

**Government Science College, Chatrapur,
Odisha - 761020
(India), Tel.No.-06811 262621**

Self Study Report (SSR)

(2nd Cycle)



13.01.2016

Submitted to:-
National Assessment and Accreditation Council
2/4 Dr Raj Kumar Road, P.O. BOX NO. - 1075,
Rajaji Nagar, Bangalore- 560010

GOVERNMENT SCIENCE COLLEGE
CHATRAPUR-761020 (ODISHA)
NAAC REACCREDITATION- SECOND CYCLE
2015

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PREFACE

Government Science College, Chatrapur is one of the premier institutions of the higher education in South Odisha. It came into existence in 1969 as a non-government college, and later, in 1982 it was taken over by the Government of Odisha. It was started with Pre-University classes in Arts and Science affiliated to the Berhampur University. Over the years, the college has grown up with providing quality education at undergraduate level in Arts, Commerce and Science and at the post-graduate level in History and Odia. At present, more than 900 students are enrolled in different courses of the college. Besides academic programmes, several co-curricular activities are open to the students. There are also provisions for the grant of scholarships, stipend and financial aids to the deserving one. The endeavor of the college during all these years has been to provide excellent academic environment necessary for nurturing the young minds and preparing them to serve the country in better way.

The college is located in Chatrapur (NAC) which is the district headquarters of the Ganjam District. Campus of the college is spread over 04.1 acres of land. To cater the academic needs of the society, education is being provided through 12 departments viz., Botany, Chemistry, Commerce, Economics, English, History, Mathematics, Odia, Philosophy, Physics, Political Science and Zoology. In order to determine the efforts are in right direction to achieve the excellence in teaching learning process and holistic growth, self evaluation is the first step. In this context, National Assessment and Accreditation Council, Bangalore (NAAC) accredited 'B' level in 2006. Again to evaluate our efforts for Cycle 2, a self study report 2015 has been prepared for the kind consideration of NAAC team.

The present Self Study Report (SSR) is drafted on the basis of evaluating seven criteria-Curricular Aspects, Teaching-learning and Evaluation, Research and Consultancy and Extension, Infrastructure and Learning Resources, Student Support and Progression, Governance, Leadership and Management, and Innovations and Best Practices. In addition to the criteria, evaluation report of each department has also been incorporated in the SSR. The efforts have been made to depict the true and fair picture of the college to get recognition by NAAC.

The college is eagerly waiting for the visit of the Peer Team of NAAC with the hope that outcomes will help in achieving the goal to become a centre of excellence.

Executive Summary

Government Science College, Chatrapur established in 1969 stands out to be one of the premier institutions of higher education in Ganjam district. Detailed information regarding various criteria for NAAC accreditation along with the evaluative report of its departments is discussed in the Self Study Report.

The college has evolved a suitable mechanism for development and implementation of curriculum. Being a government College it strictly follow the curriculum provided by the affiliated University. The faculties of different departments take part in the board of studies for UG and PG courses which are implemented only after approval from the academic council. The vision, mission and objectives of the College are communicated to the students, teachers, staff and other stakeholders. This college has now dual affiliation; till 2014-15 it was an affiliating college of Berhampur University and since 2015-16 it has been taken up as an affiliated college under Khallikote Cluster University. Hence the students are now following two different course curriculums. The students joined during 2015-16 academic session are following CBCS pattern with semester pattern examination, whereas the previous batches (now studying in second and third year) are following the traditional curriculum provided by Berhampur University with annual examination pattern.

The college follows a transparent admission system. The entire admission process is managed through Student Academic Management System (SAMS) regulated by Department of Higher education, Government of Odisha. The academic pursuit of each session in the institution is carried out strictly in accordance with the guidelines of the academic calendar. Every faculty is asked to work out lesson plan and progress register of the portion of the curriculum allotted to him. Strict appraisal of the progress is scrutinized by HODs of the department and academic audit cell. The progress is finally monitored by the principal at the end of every month. The Internal Quality Assurance Cell (IQAC) collects feedback from students, faculty members, Allumini and other stake to improve academic atmosphere of the college. Quality enhancement of the teachers is achieved through participation in orientation programmes, refresher course, seminars, workshop, etc. Semester system of examination has been introduced since this academic session (2015-16). Greater transparency in the evaluation system has been ensured through coding of answer sheets.

The institution encourages and extends all possible help to promote research activities. Laboratory with modern equipments and basic infrastructure, well stocked library with modern texts are provided to promote research. Selected journal are procured as per the requirement of staff and students. Internet facility is also provided to all PG Departments to promote research. Academic leave and study leave are availed by the faculty members as per Government guidelines. Some of our faculty members are invited as experts/ resource persons to deliver talks in state level, national and international forum. The college authority provides all moral support and encourage

The college has enough physical infrastructure to handle the current academic curriculum. The college has 4.1 acres land. There are sixteen spacious classrooms, six laboratories, one botanical garden and other rooms for administration set up in the college. It may be noted that construction of three more classrooms, six new laboratories, six more store rooms, three staff rooms, three computer labs and one conference room is on the verge of completion. Besides, in the campus, there is a library of 750 sq.mts. which has more than twenty seven thousand text books, five thousand reference books and eleven hundred journals and periodicals for the students and staff. So far as IT infrastructure is concerned, the college has modest number of computers and accessories. However, very soon college campus will be fully Wi-Fi and other ICT means initialised.

The college broadcasts all relevant information through its website and the college calendar which are updated in every academic session. Students get all available benefits regarding reservations as per government rules. Post-matric scholarship of state and national level are availed by the students and nearly 35% of the students take advantage of these schemes. Basically students of SC, ST, economically weaker sections, physically challenged students and meritorious students get these benefits. Free laptops are distributed to meritorious students under Biju Yuba Sasaktikaran Yojana, a Government of Odisha scheme. Self defense training to girl students, NCC, NSS, and YRC are some of the important student support services provided by the college. Our students participate in all state and national level competitions and are guided by various committees constituted by the authority.

Carrier counseling has been provided to the stake holders in the selection of the career. Workshop on Communication skill and personality development has been implemented to enhance the employability of the students. The language laboratory established in the college to bring about improvement in skill of the stake holders has been engaging students in competence building and skill improvement.

The college has broader vision to attain and serve the society in more comprehensive way. The vision of the college has been translated to mission and objectives within the purview of college attributes. These vision, mission and objectives guide the college to make plan and strategies. For execution of the plans and strategies, leadership is involved with the help of forming different committees, cells and designation and also involving teaching and non teaching staff, students, alumni and other stakeholder to bring effective leadership in the college curriculum. For effective communication and decision making, internal organization has been well defined. In order to bring improvement in teaching-learning, research and development, community engagement, human resource and industry interaction, various strategies at managerial level, at operational level and departmental level have been developed and executed. For smooth conduct of college funds are collected through the DHE, Odisha, UGC, Tuition fees and other fees. The funds have been utilized for operational purpose of the college. For periodically review the quality of the college at several parameters IQAC was established in 2014. The cell is headed by the principal and experienced teaching member is the coordinator of the cell. All the representatives of departments are the members of it and two other external eminent personalities are also

members of the cell. To bring good governance in the college curriculum many steps have been taken. Some of them are introducing college website, establishment of IQAC and academic audit.

The Institute is conducting green audit for its campus and the thrust areas are reflected in the college administration and policy, education/ curriculum, purchasing policies and infrastructural development. The college strictly follows the guidelines for energy and water conservation, water harvesting, plantation programmes and hazardous waste management. A number of innovative practices have been initiated in the college such as grievance redressal cell, Anti ragging Cell, RTI Cell and women harassment redressal cell have been constituted in the college to look into the problems of students. Self-defense training programme for girl students is imparted as per government directives. The college is conducting two in-house programmes as “best practice”, such as “Survey and monitoring of Biodiversity inside the college campus” and – “Inculcation of knowledge among the rural school and colleges for promoting science education and higher education”. The results of the best practices have tremendous impact on the students.

SWOC analysis of Government Science College, Chatrapur

STRENGTHS

1. Situated at the district head quarter of Ganjam, the college caters the need of students from backward classes and rural villages of Ganjam and Gajapati districts.
2. The college has existing infrastructure and learning resources such as library, reading room, Girl's Common Room, Boy's Common Room, SAMS Lab, NCC Room, U.G. Laboratories, one Computer Lab, one open air pandal, Toilet facility for Girls & Boys, Smart classroom, Students union room, Games and sports room, Arts Block, Commerce Block, Science block and P.G. block in Odia and seminar hall etc.
3. The college is well connected by rail (SE railway), road (NH-16) and the nearest airport is at the state capital Bhubaneswar, located at a distance of 150km.

WEAKNESSES

1. Acute shortage of teaching and non-teaching staff.
2. College campus is having very small area (only 4 acres) and there is no hostel facility, lack of security personnel and there is no permanent water supply, electrical connection and wi-fi internet facilities.
3. Lack of library management due to shortage of staff and lack of technological implementation.
4. Lack of departmental computer labs, seminar room and departmental library
5. No departmental rooms for teaching staffs, seminar hall, seminar library for each department.
6. Lack of laboratories for research purposes.
7. Lack of training and orientations programs for the teachers.

OPPORTUNITIES

1. This is only Government college having Degree & P.G. teaching facilities of the sub-division having its existence at the head quarter of the Ganjam District.
2. Admissions are purely on the merit basis and as per government rules and regulations.
3. It provides equal opportunities to all students without any discrimination on the basis of class, creed and gender.
4. College has dedicated teaching and non-teaching staff members.
5. An active old student association.
6. There are large number of leading Schools and Jr. Colleges in the Sub-division creating a competition among the students for admission.

CHALLENGES

1. Due to saline climate the building including furniture and fixtures are badly affected and need more maintenance.
2. Due to paucity of staff and infrastructure facility the library with more than 40,000 books are under threat of damage.

3. Unavailability of employment courses in form of Diploma/ Certificate and short term courses.
4. No proper infrastructure leads to moving of meritorious students to neighbouring colleges with better infrastructural facilities.
5. Quality of education and competitive ability may deteriorate if students don't get proper facilities

Part-II

Profile of the College

1. Name and Address of the Colleges:

Name:	GOVERNMENT SCIENCE COLLEGE		
Address:	CHATRAPUR, DIST. GANJAM Pin: 761020		
City:	CHATRAPUR (GANJAM)	State: ODISHA	
Website:	www.gscchatrapur.ac.in		

2. for communication:

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Dr. Pramod Kumar Dwibedi	06811262621	9692245655		principalgsc@gmail.com
Vice Principal	-	O: R:	-	-	-
Steering Committee Co-ordinator	Mr. Kishore Chandra Ray	O: R:	9439155794		kcray27101956@gmail.com

3. Status of the Institution:

Affiliated College

✓

Constituent College

Any other (specify)

--

4. Type of Institution:

a. By Gender

- i. For Men
- ii. For Women
- iii. Co-education

✓

b. By Shift

- i. Regular
- ii. Day
- iii. Evening

✓

5. It is a recognized minority institution?

Yes

✓

No

If yes specify the minority status (Religious/linguistic/any other) and provide documentary evidence.

--

6. Sources of funding:

Government
Grant-in-aid
Self-financing
Any other

✓

7. a. Date of establishment of the college: **10/08/1969 (dd/mm/yyyy)**

b. University to which the college is affiliated / or which governs the college

(if it is a constituent college) **Berhampur University, Ganjam**

c. Details of UGC recognition: Certificate attached

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2f	11.09.1970	
ii. 12 B	11.09.1970	

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/ approval by statutory / regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.) – **NA**

Under Section/clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.				
ii.		NIL		
iii.				
iv.				

(Enclose the recognition/ approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition:(dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes

No

If yes, Name of the agency and

Date of recognition:(dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location *	SEMI URBAN
Campus area in sq. mts.	16592.1sq. mts.
Built up area in sq. mts.	7256 sq. mts.

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in suing any of the listed facilities provide information on the facilities covered under the agreement.

- **Auditorium / seminar complex with infrastructural facilities:** No
- **Sports facilities**

– Play ground	<input type="checkbox"/>
– Swimming pool	<input type="checkbox"/>
– Gymnasium	<input checked="" type="checkbox"/>

- **Hostel**

*Boys' hostel

i. Number of hostels 01

ii. Number of inmates 90

iii. Facilities (mention available facilities) –

<input type="checkbox"/>
<input type="checkbox"/>

*Girls' hostel

i. Number of hostels

ii. Number of inmates

90

iv. Facilities (mention available facilities)

*Working women's hostel No

i. Number of inmates

ii. Facilities (mention available facilities)

- **Residential facilities for teaching and non-teaching staff (give numbers available-cadre wise) Teaching-No**

- **Cafeteria- Yes**

- **Health centre -No**

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

Health Centre staff –NA

Qualified doctor

Full time

Part-time

Qualified Nurse

Full time

Part-time

- Facilities like banking, post office, book shops - **Nil**
- Transport facilities to cater to the needs of students and staff - **Nil**
- Animal house- **Nil**
- Biological waste disposal- **Nil**
- Generator or other facility for management / regulation of electricity and voltage- **Nil**
- Solid waste management facility- **NA**
- Waste water management- **NA**
- Water harvesting - **NA**

12. Details of programmes offered by the college (Give data for current academic year)

Sl. No.	Programme Level	Name of the Programme/Course	Duration	Entry Qualification	Medium of instruction	Sanctioned approved Student strength	No. of students admitted
1	Under-Graduate	BA, BSc, B COM	3 YEARS	+2 Arts/ Science & Commerce	English	Arts – 256 Sc.-256 Com.-256	236 245 068
2	Post-Graduate	MA	2 YEARS	+3 Arts	English & Odia	History-16 Odia-08	12 08
3	Integrated Programmes PG	Nil					
4	Ph.D.	Nil					
5	M.Phil.	Nil					
6	Ph.D.	Nil					
7	Certificate courses	Nil					
8	UG Diploma	Nil					
9	Any Other (specify and Provide details)	Nil					

13. Does the college offer self-financed Programmes?

Yes

No

If yes, how many?

14. New programmes introduced in the college during the last five years if any?

Yes		No	<input checked="" type="checkbox"/>	Number	<input type="text"/>
-----	--	----	-------------------------------------	--------	----------------------

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments	UG	PG	Research
Science	Physics, Chem., Botany, Zoology, Math.	Yes	No	No
Arts	Odia, English, Economics, Political Science, and History	Yes	Odia, History	No
Commerce	Commerce	Yes	No	No
Any Other (Specify)				

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

- | | | |
|----|------------------|---------------------------------|
| a. | Annual system | <input type="text" value="04"/> |
| b. | Semester system | <input type="text" value="04"/> |
| c. | Trimester system | <input type="text" value="--"/> |

17. Number of Programmes with-

- | | | |
|----|---|---------------------------------|
| a. | Choice Based Credit System | <input type="text" value="04"/> |
| b. | Inter/Multidisciplinary Approach | <input type="text" value="--"/> |
| c. | Any other (specify and provide details) | <input type="text" value="--"/> |

18. Does the college offer UG and / or PG programmes in Teacher Education?

Yes No

If yes,

- a. Year of Introduction of the programme(s)(dd/mm/yyyy)
and number of batches that completed the programme b.

NCTE recognition details (if applicable)

Notification No.:.....

Date:

(dd/mm/yyyy) Validity:

.....

- c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

- a. Year of Introduction of the programme(s)(dd/mm/yyyy)
and number of batches that completed the programme b.

NCTE recognition details (if applicable)

Notification No.:.....

Date:

(dd/mm/yyyy) Validity:

.....

- c. Is the institution opting for assessment and accreditation of Teacher

20. Number of teaching and non-teaching position in the Institution

Positions	Teaching faculty						Non-teaching staff	Technical staff		
	Professor		Associate Professor/ Reader		Assistant Professor/ Lecturer					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/University/State Government	01 (Principal Post)		NIL		34		44		01	
Recruited			04 ***	---	07	04	21	03	01	

***All sanctioned teaching posts are Lecturer posts. The existing readers have been promoted from lecturer post.

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	Nil	Nil	-	-	-	-	-
Ph.D.	Nil	Nil	03		06	03	12
M.Phil.	Nil	Nil					02
PG	Nil	Nil	01		01	0	02
Temporary teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

22. Number of Visiting Faculty / Guest Faculty engaged with the College.

08

23. Furnish the number of the students admitted to the college during the last four academic years. (Figures are inclusive of all classes in a year)

ARTS*

Categories	(2011-12)		(2012-13)		(2013-14)		(2014-15)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC					16	09	14	14
ST					01	04	04	01
OBC					----	---	---	---
General					32	24	43	55
Others					---	---	---	---
	Information not available category wise. Total number of the admitted students = 52		Information not available category wise. Total number of the admitted students = 58					

SCIENCE*

Categories	(2011-12)		(2012-13)		(2013-14)		(2014-15)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	Information not available category wise. Total number of the admitted students = 28		Information not available category wise. Total number of the admitted students = 26		05	01	03	02
ST					05	---	04	01
OBC					---	---	---	---
General					20	19	35	36
Others					---	---	---	---

COMMERCE*

Categories	(2011-12)		(2012-13)		(2013-14)		(2014-15)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	Information not available category wise. Total number of the admitted students = 12		Information not available category wise. Total number of the admitted students = 12		01	01	01	04
ST					---	---	01	---
OBC					---	---	---	---
General					25	09	21	21
Others					---	---	---	---

(ARTS + SCIENCE + COMMERCE)*

Categories	(2011-12)		(2012-13)		(2013-14)		(2014-15)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	Information not available category wise. Total number of the admitted students = 97		Information not available category wise. Total number of the admitted students = 96		22	11	18	20
ST					06	04	09	02
OBC					---	---	---	---
General					77	52	99	112
Others					---	---	---	---

* Figures shown in the table include all three years of UG Students.

24. Details on students enrollment in the college during the current academic year (2015-16):

Type of students	UG	PG	M.Phil	Ph.D	Total
Students from the same State where the college is located	548	20	---	---	568
Students from other states of India	---	---	---	---	---
NRI students	---	---	---	---	---
Foreign students	---	---	---	---	---
Total	548	20	---	---	568

25. Dropout rate in UG and PG (average of the last two batches)

UG **15%**

PG **10%**

26. Unit Cost of Education

(*Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled*)

- (a) including the salary component
- (b) excluding the salary component

Rs. 23156/-

Rs. 2022/-

27. Does the college offer any programme/s in distance education programmes of another University?

Yes

No √

If Yes, Give the detail below

- a) Is it a registered centre for offering distance education programmes of another University. NA

Yes

No

- b) Name of the University which has granted such registration.

NA

- c) Number of programmes offered

NA

- d) Programmes carry the recognition of the Distance Education Council. NA

Yes

No

28. Provide Teacher-student ratio for each of the programme/course offered

Arts – 01:70

Science – 01:53

Commerce – 01:76

29. Is the college applying for

Accreditation:	Cycle 1	Cycle 2	<input checked="" type="checkbox"/>	Cycle 3	<input type="checkbox"/>	Cycle 4	<input type="checkbox"/>
Re-Assessment:	<input type="checkbox"/>						

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: 17 / 10 / 2006 (dd/mm/yyyy) Accreditation Outcome / Result : **B**

Cycle 2:(dd/mm/yyyy) Accreditation Outcome / Result.....

Cycle 3:(dd/mm/yyyy) Accreditation Outcome / Result.....

**Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.*

31. Number of working days during the last academic year.

241

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

189

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC- 01/06/2014

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR -2014-15 – Submitted on Date Not Submitted

AQAR- 2013-14- Submitted on Date NA

AQAR- 2012-13- Submitted on Date NA

Criterion I – Curricular Aspects

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

History of the college

Government Science College, Chatrapur is the only Government College of the District Head Quarter and also of the Chatrapur Sub-division. The untiring efforts of a few dedicated and enlightened citizens of Chatrapur for over a decade resulted in the establishment of Science College, Chatrapur in 1969 under private management and imparted teaching in pre-university ARTS and SCIENCE streams. The college then made rapid strides. The First Year Degree Class in Arts and the pre professional class in Science were started in 1970. The college was accorded affiliation for the second year Degree Arts Classes during the session 1970-71 and in 1971-72 this college became a full-fledged Degree college with provision for teaching in the Arts stream. Science classes at the Degree pass stage were started in 1976-1977 with 32 seats each in MPC and CBZ combination. Honours classes in Economics and Political Science were started in 1977 and 1978 respectively. During the session 1980-1981 the college recorded a significant progress with the starting of commerce classes at the PU stage. During the same session History and Zoology Honours classes were started and English Honours classes were started in the following session.

A new era in the History of the college began when the college management was taken over by the Government in the year 1982. Teaching provisions in a number of Honours and Post Graduate Departments were introduced thereafter. This momentous event ushered in a new ray of hope and optimism with the switch over to the 10+2+3 pattern of education. Higher Secondary Classes were started in 1983 and 3 year Degree course was introduced in 1985. Honours classes in Physics and Chemistry were started in the year 1989-1990.

The College was accorded affiliation in Commerce stream at the Degree Level during the session 1990-1991. Honours in Botany were also started in 1991-1992. Mathematics honours in both Arts and Science streams, Odia honours in Arts Stream and Commerce Honours started from the session 1993-1994. This is a matter of pride for the college that the post graduate classes in both Odia and History started from this 1993-94 session and the college has been declared as one of the lead colleges of Government of Odisha and created a streak of opportunity for significant development in the field of Higher Education.

The college started its early child life at Onslow Institution and till 1980 this was functioning there. In the year 1980, the college had an establishment of its own. By this time a new block named as Commerce Block, one library building, P.G. Department of Odia have been added. Now the Government has sanctioned Rs. 3.15Crore for construction of a new Science Block, Reading Room and one Auditorium.

Vision

Government Science College, Chatrapur aims at having transformational impact on students of various sectors, enabling them to discover their inner potentialities through modern education and inculcating qualities of human values, competence, confidence and excellence.

Mission

- To inspire students and develop skilled human resource for a competing world.
- To develop scientific temperament and information technology among the young quest learners.
- To motivate and promote social ethics, multidimensional personality, multi-tasking capability and leadership potential among the students.
- To build up consciousness towards law abiding, social concerns, social responsibilities, human rights, gender equity and environmental awareness.

The objectives of the college are

- To develop knowledge and understanding by teaching and extension activities.
- To provide moral based education.
- To develop qualities to compete keeping pace with the modern demands of the society.
- To fulfil the higher educational needs of the people.
- To preserve and disseminate culture.
- To establish an effective, efficient and transparent system of examination and evaluation.
- To realize and adopt social relationship.

Communication to Stakeholders:

The vision, mission and objectives of the College are communicated to the students, teachers, staff and other stakeholders through the Annual Prospectus, college calendar and the Website. Time to time meeting/interaction with the stakeholders and governing body are planned and conducted by the College.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The college is one of the constituent colleges of Khallikote cluster University since 2015-16 and was earlier affiliated to Berhampur University. Hence the curriculum design and development of action plans are prepared by the Khallikote Cluster University (KCU) from the session 2015-16 and the same was followed for second and third year as per Berhampur University. For developing curriculum the senior faculty members of this college are taking part as members of Board of Studies as invited by KCU and BU. In various meetings for curricula development, the faculty members of this College are also taking effective role.

For the implementation of the designed curriculum, our Principal calls for staff meetings in the beginning of each session and semester, where the planning of the implementation committee is conveyed. All heads of the departments (HODs) are members of the committee and they also review the implementation process every month. HODs take the role to divide the syllabus and the number of classes among the faculties. Every teacher prepares a monthly lesson plan and teaches accordingly to complete the courses in time. In exceptional cases, teachers also take extra classes to complete the course. Along with the courses, they also give importance to students' out learning. Tutorial classes

are also conducted for honours courses. Special attention is paid for educationally weaker students for pass and honours courses before the examination schedule.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

Occasionally KCU and BU organize orientation programs and workshops to facilitate effective teaching. The faculties of the college also give their views regarding the issues related to curriculum, if any, while participating in the meetings of the Board of Studies. Faculties of our college also participate in the Orientation/ Refresher Courses/ Workshops/ Seminars organized by other state Universities to update their knowledge and to improve the teaching practices. The teachers are also encouraged to refer to reference materials such as Journals, Magazines, teaching models and softwares to ensure modern teaching practices.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other Statutory agency.

For effective curriculum delivery this college has taken up initiatives in providing modern teaching facilities through internet in the computer lab. The college authorities also encourage the faculty members to participate in special lectures organized by the College/other Colleges/affiliating University. LCD projector and PowerPoint presentations are used in classroom instructions

Science departments conduct seminars related to course curriculum followed by brain storming group discussions. Study tours and exposure visits are planned during each session to generate scientific temperament among students.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

The HR managers of various industries located in the district such as Tata, IREL and Jayashree Chemicals are invited to the college to interact with the students. They also organize various inter-college competitions in our campus. Senior faculty members of private institutions also visit our college to interact with the students and promote technical and management studies.

Time to time eminent scientists, academicians and research personnel are invited to visit the college to encourage and motivate the students. Students and faculty members are also benefited from the seminars and extra mural lectures delivered by the dignitaries.

The faculty members of the college are also motivated to take up research projects initiated by the affiliating university or the UGC. Additionally the faculties of the college are collaborating with various research institutions. Young faculties of the college are initiating process for getting research funding from different government and private funding agencies such as BRNS, DST, DBT, forest department and NGOs.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

There is limited scope to modify the syllabus on its own. However, faculties of some departments are representing the academic bodies of the KCU and participate in the process of designing the syllabus. During this session faculties from three departments were part of board of studies for developing syllabus related to Choice Based Credit System. They give their views and suggestions regarding curriculum development to meet the present teaching trends.

Teachers also take the students' feedback in a semi-structured datasheet to analyse their teaching skills. Informally faculty members of other departments also collect feedback from students. Parent-teacher meetings are convened by the college administration, which is taken into consideration while forwarding suggestions to the board of studies.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Being an affiliated college, there is no scope to develop curriculum for any other courses. The college runs as per the curriculum provided by the affiliated university. However the college has planned to introduce some self financing courses in near future.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

The faculty members of the Departments sit from time to time for the successful implementation of the curriculum. Unit tests, home assignments and revision of the previous class are conducted on regular basis in the class rooms to ensure the students' understanding of the topic. In any case if the college authorities realize that the laid objectives are not fulfilled, they take remedial actions to bridge the gaps, if any.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

Till 2014-15 the college was running as per the curriculum prescribed by Berhampur University. From 2015-16, the college came under Khallikote Cluster University and is now following CBCS curriculum.

Keeping in mind the growing needs at state, national and global level and considering the unprecedented need of making the environment eco friendly, the college imparts education at Graduate Degree Level in all branches, of Arts, Commerce and Science with basic knowledge of computers and Post-graduate Degree in few subjects. Following is the List of Courses offered by the Institution-

Programmes offered from Berhampur University

B.A	Honours: Odia, English, Economics, Political Science and History Elective: Landmarks in Indian History, Indian Polity, Indian Economics, Indian Philosophy Compulsory: English, Odia, Indian Society and Culture, Environmental Studies
B.Sc	Honours: Physics, Chemistry, Botany, Zoology, Mathematics Major Elective: Industrial Chemistry, Physics, Mathematics Minor Electives: Mathematics, Biology Compulsory: English, Odia, Indian Society and Culture, Environmental Studies
B.Com	Honours: Commerce (Accountancy: Specialized Accounting, Advance Costing and Management Accounting, Company Accounts, Income Tax, Accounting Standards and Accounting theories, Security Analysis and Portfolio Management) Pass: Financial Accounting, Business and Company Law, Business Statistics, Banking Law and Practices, Cost Accounting, Management Accounting, Auditing, Company Accounts, Income Tax, Quantitative Techniques and Business Mathematics Compulsory: Communicative English, Business Economics, Indian Society and Culture, Environmental Studies
Post Graduation	Odia and History

Programmes offered from Khallikote Cluster University (from 2015-16)

B.A	Core course: Odia, English, Economics, Political Science and History Generic Elective: Landmarks in Indian History, Indian Polity, Indian Economics Compulsory: English, Odia, Environmental Studies
B.Sc	Core course: Physics, Chemistry, Botany, Zoology, Mathematics Generic Elective: Chemistry, Physics, Mathematics, Botany, Zoology Compulsory: English, Odia, Environmental Studies
B.Com	Core course: Financial Accountanting, Business law, Business organization and management, Corporate law, Business mathematics, Income Tax laws and practices, Human Resource management, Indirect Tax, Cost and management accounting, Computer application in business, Corporate accounting, Principles of Marketing, Auditing and corporate governance and fundamentals of financial management. Generic Elective: Micro economics, Business Statistics, Macro

	<p>economics, Indian economy performance and policies.</p> <p>Discipline specific elective course: Financial markets, Institutions and services, Financial statement analysis and reporting, Corporate tax planning, Business research methods and project work.</p> <p>Skill enhancement course: E-commerce and entrepreneurship.</p> <p>Ability Enhancement Compulsory course: Business communication (English, Hindi & Odia) and Environmental Studies</p>
Post Graduation	Odia, Political Science, Commerce and Mathematics

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

The college does not offer dual degree programmes but as per government rules the students may pursue certificate courses in vocational programmes and other distance courses from IGNOU and other open universities. The faculties of college support such students, on request, in terms of guidance.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

Range of Core / Elective options offered by the University and those opted by the college

The core options are compulsory and are combined with elective options. Students studying from the session 2013-14 (those in final year) and from 2014-15 (those in second year) are following the course offered by BU. The students studying from 2015-16 (those in first year) are following the courses offered by KCU. As per the KCU syllabus the students are offered CBCS pattern.

Under Berhampur university in B.A. there are honours in five subjects, such as Odia, English, Mathematics, Economics, Political Science and History. The students take elective subjects as Landmarks in Indian History, Indian Polity, Indian Economics and Indian Philosophy. They also clear English, Odia, Indian Society and Culture and Environmental Studies as compulsory subjects. In Science stream (B.Sc.) there are five honourse subjects such as Physics, Chemistry, Botany, Zoology and Mathematics. The students take Industrial Chemistry, Physics and Mathematics as Major Electives and Mathematics and Biology as Minor Electives. The science students take English, Odia, Indian Society and Culture, Environmental Studies as compulsory subjects. In Commerce (B.Com) there is honourse in Accountancy and the students study subjects like Specialized Accounting, Advance Costing and Management Accounting, Company Accounts, Income Tax, Accounting Standards and Accounting theories, Security Analysis and Portfolio Management. In B.Com. Pass students study Financial Accounting, Business and Company Law, Business Statistics, Banking Law and Practices, Cost Accounting, Management Accounting, Auditing,

Company Accounts, Income Tax, and Quantitative Techniques and Business Mathematics as Pass subjects. The commerce students take Communicative English, Business Economics, Indian Society and Culture and Environmental Studies as Compulsory subjects.

b) Choice based credit system. (C.B.C.S.): The College follows the CBCS system from the session 2015-2016, as being affiliated to Khallikote Cluster University. The following courses are offered under this system.

The students joined from the session 2015-16 are studying CBCS curriculum and have Semester examination. In Arts stream Odia, English, Economics, Political Science and History are core courses. In Generic Elective the students have to take Landmarks in Indian History, Indian Polity, Indian Economics and that of English, Odia, Environmental Studies are taken as Skill Development course/ compulsory subjects. In Science Stream Physics, Chemistry, Botany, Zoology and Mathematics are studied as core course and based on discipline (Physical/ Biological Sciences) the students take up Chemistry, Physics, Mathematics, Botany and Zoology as Generic Elective. The science students study English, Odia, Environmental Studies as Compulsory subjects. Similarly the Commerce students study Financial Accounting, Business law, Business organization and management, Corporate law, Business mathematics, Income Tax laws and practices, Human Resource management, Indirect Tax, Cost and management accounting, Computer application in business, Corporate accounting, Principles of Marketing, Auditing and corporate governance and fundamentals of financial management as Core Course; Micro economics, Business Statistics, Macro economics, Indian economy performance and policies as Generic Elective; Financial markets, Institutions and services, Financial statement analysis and reporting, Corporate tax planning, Business research methods and project work as Discipline specific elective course; and as Skill Enhancement Course (SHE) E-commerce and entrepreneurship are the subjects. Additionally Business communication (English, Hindi & Odia) and Environmental Studies are studied as Ability Enhancement Compulsory courses.

Skill Development Course

The college has so far not offered any skill development course.

Credit transfer system and accumulation facility:

Credit transfer and accumulative facility exists as per Khallikote Cluster University guidelines.

Courses offered in modular form:

Courses are provided unit wise and are arranged in the modular form at department level by academic committees comprising of HOD's, staff and Principal. The modules so arranged are also used for testing the students in the exams, (1st Terminal, 2nd Terminal and Special tests).

Lateral and vertical mobility within and across programmes & courses:

No lateral mobility within and across the programmes exists, however, vertical mobility exists. A student may have to take fresh admission from 1st year if he/she wants to change discipline.

Enrichment courses

The existing courses are enriched by preparing the students to design small projects and presentations related to theory work. Language Lab constructed by the Centre for Advanced Communication, IIT, Kharagpur facilitates students to develop the communication skills among the students. To add, lectures by the experts and eminent persons are also organized from time to time to update the linguistic knowledge of our students.

1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

No, there is no such provision in the college.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

The college regularly conducts Personality Development Programmes which enhance the IQ level and communication skills of the participants. The college also invites Guest speakers from the industry which provides regional and global employment opportunities for the students. Special classes are taken for communication skills taking into considerations the rural backgrounds of the students.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

No, the university does not allow the flexibility of combining conventional face to face and distance mode of education.

1.3. Curriculum Enrichment:

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

The institution being an affiliated college of Berhampur University and KCU (since 2015-16), it does not have the freedom of formulating its own curriculum. Still, the courses run at UG and PG levels have their relevance to the institution’s goals and objectives. The college imparts teaching and overall development of the students as per the prescribed curriculum. The college academic calendar is prepared every session with the active involvement of the heads of various departments and the college authorities. Some of the faculty members are also involved in the Board of Studies meeting and they take utmost care to give their suggestions to meet Institution’s goals and objectives.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

The college strictly adheres to the syllabus designed by Berhampur University and KCU but while delivering this syllabus content to the students, our faculties enrich the students with innovative ideas based on their own expertise and experience. This helps students in getting a knowhow about the modern trend.

Syllabus has been recently revised, so as to enable the students to compete in the global employment market facing All India level examinations like IAS, IES, NET, GATE, Banking/ UPSC etc.

The institution is computerized to meet the requirement of staff and students. The Computer lab and department computers are used by the students. ICT facilities, OHP, Computers, LCD Projectors have been used for effective communication and teaching.

Recently since 2015-16 session choice based credit system and semester pattern have been introduced in all UG and PG programmes.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

The cross cutting issues find ample space when it comes to applying them positively into the curriculum.

- The college organizes self-defence training for girls, as per the directive of Government.
- The college organizes seminars, awareness programmes and workshops to address these issues. Video shows related to Active Citizenship and other environmental issues are screened in the college.
- The college organizes seminars on women empowerment, female foeticide.
- The College has been celebrating ‘Van Mahotsava’ every year during the first week of July. During 2014 Division level ‘Van Mahotsava’ celebration was organized at our college with the support of the forest department. In 2015 a Neem Garden was developed in our college campus during Vana Mahotsava week and named as “*Nabakalebara Nimba Vatika*”, commemorating the Nabakalebara year of Lord Jagannatha.
- The faculty members of our college deliver lecture and present paper on the relevance of Human Rights and Public Interest Litigation etc.
- The subject of environment education is a part of the college curriculum. It is compulsory for all the students, irrespective of any stream, to clear the paper termed as EVS (Environmental Studies).

1.3.4 What are the various value-added courses/programmes offered to ensure holistic development of the students?

Moral and ethical values: Extra classes on Yoga-Pranayam, Meditation and Satsangs are organized in the college campus as healthy practice.

Employable and life skills: Career Counselling cell of the college works rigorously round the year to provide information on employment opportunity available suitable to the courses and the information are displayed at the college notice board. Government of Odisha has made mandatory to establish the placement and counselling cell. The College understands life-skill and believes in “help ever, hurt never” principle. Students are not just part of the ongoing activities in the institution but are given responsibility to discharge with accountability in organizing various events and activities such as cultural programmes, competitions, seminars, workshops etc.

Better career options: There is no formal system in the College.

Community orientation: The NSS unit, Red Ribbon Club, NCC (Naval and Army wing), Science Society and Commerce Society encourage the students to participate in community service oriented programmes such as village cleaning, Rescue operation, awareness programmes and beach cleaning activities.

1.3.5. Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

The college organizes meeting of the students and parents and takes their suggestions and tries its best through the member of board of studies to incorporate them in the curriculum. After getting feedback from all the stakeholders of the institution the college has enriched the curriculum by inducting the following programmes

- The college is providing Spoken English classes for interested students through our existing faculties.
- Yoga, Pranayam and Satsanga classes are conducted in consideration of the feedback from parents/guardians of the students.

1.3.6. How does the institution monitor and evaluate the quality of the enrichment programmes?

The Principal inspires leadership and creates a community work culture in which different bodies like student advisory body, Governing Body, Alumni Association and Parent/guardian associations with the college staff representatives. The Staff Council also monitors and evaluates the success of these enrichment programs. The Institution makes sure that the programmes offered in the curriculum include contribution to national development, fostering global competencies among students, promoting the use of technology and quest for excellence.

1.4. Feedback System:

1.4.1 What are the contributions of the institution in the design and development of curriculum prepared by the University?

Practically the college has no role to play in design and development of the curriculum prepared by the University but some faculties are members of Board of Studies of the University who develop curriculum of respective subjects. They give their suggestions during the meetings and the curriculum is developed accordingly.

1.4.2 Is there a formal mechanism to obtain feedback from students and stake holders on Curriculum? If ‘yes’, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

There is no formal mechanism to collect feedback from students on curriculum but feedbacks are collected during parent-teacher meetings and Alumini meetings. To introduce new programmes, the College is planning for Vocational courses but at present setup under Khallikote Cluster University new programmes are planned.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?) Any other relevant information regarding curricular aspects which the college would like to include.

No new courses/programmes have been introduced by the college during the last four years.

CRITERION-II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity & transparency in the admission process?

Admission processes from the session 2015-16 are performed through the e-Admission of Khallikote Cluster University, whereas in the previous years these were done through that of department of higher education, Govt. of Odisha. Notifications for the admission process are widely circulated through the website khallikotecollege.org and dheodisha.gov.in respectively and also published in leading national and regional daily newspapers. The notification contains detailed information about number and range of courses, eligibility, process of admission and academic as well as supporting facilities. Prospectus giving all the academic, administrative and financial aspects related to admission process is made available to students. In future, the same information are planned to flash in the college website gscchatrapur.ac.in

Transparency:

The college follows the time restrictions provided in the e-admission process. It collects applications processed through the corresponding website management system and also in hard copy. List of selected students are prepared in the merit basis by the selection committee through the help of e-calculations. The list thus prepared is displayed in the websites and a printed copy also is also pasted on the notice board of the college. As the admission process is totally opened through the e-Admission process, it ensures the transparency in the system.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

The Students' admission into different courses is carried out in the basis of marks obtained in their last qualifying exam as decided by the department of higher education of Odisha. For P.G. courses, as decided by KCU, the selections of students are done through their marks secured in their honours subject in bachelor degree. However, earlier to this session, based on the rules of BU, the selections in P.G. courses were performed through their average marks obtained in degree exams, along with preferences to the students, who were having honours in the same subject.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating Universities within the city/district.

For the session 2015-16 under the affiliation of Khallikote Cluster University please refer to the following table

Table. Minimum and maximum percentage of marks for the session 2015-16

Sl. No.	Stream	Govt. Science College Chatrapur	
		Min (%)	Max (%)
1	+3 Science	45	82
2	+3 Arts	45	67
3	+3 Commerce	45	74
4	P.G. Odia	50	65
5	P.G. History	50	67

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

Principal and admission-in-charge looks after the admission process in the college as directed by DHE Odisha and the respective universities. However, this is not meant for the improvement of admission process, rather it conveys the difficulties faced in the e-admission process by the college to the respective committees.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion SC/ST, OBC, Women, Differently abled, Economically weaker sections, Minority community, Any other

As this is a government college, it follows the policies of Government of Odisha for reservations seats for different categories of students as follows.

- SC – 8 % of total seats +4% over &above the sanctioned strength
- ST – 12 % of total seats + 6 % over &above the sanctioned strength
- Differently abled – 3 % of total seats
- Women - Nil
- NCC/Scouts - 5/10% extra weightage for ‘B’ & ‘C’ Certificates respectively
- Scout - Certificate from State Governor’s Certificates 5% weightage
- President’s Certificate 10% weightage.
- Sports & Games – For State level cert. 5% weightage & for National level cert. 10% weightage is given.
- Minority Community - Nil

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Details about number of applicants and students applied and admitted are provided in the following table.

Table. Details about number of applicants and students applied and admitted in the college

Programmes	No. of Applications				No. of Students Admitted				Demand Ratio*			
	14-15	13-14	12-13	11-12	14-15	13-14	12-13	11-12	14-15	13-14	12-13	11-12
U. G. Arts	610	464	526	--	131	86	58	--	5:1	6:1	9:1	--
U.G. Science	1197	865	701	--	81	50	26	--	15:1	18:1	27:1	--
U.G. Com	284	266	227	--	48	36	11	--	6:1	8:1	21:1	--
P.G. Odia	39	23	14	14	08	08	08	08	5:1	3:1	2:1	2:1
P.G. History	24	21	12	10	08	08	08	08	3:1	3:1	2:1	2:1

* Demand ratio = No. of students applied/ no. of students admitted

2.2 Catering To Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to govt. policies in this regard?

The college tries to the best to adhere to the Government policies to cater the needs of differently-abled students. As per the Government norms, during the admission processes, required seats are reserved for these students. For the students with physical disabilities, the classes are held on the ground floor . Also ramps have been constructed to enter in to verandah with a particular height. During examination time, the students with visual disability are provided writers to write the exam and also they are given a half an hour extra time. Proposals have been sent to Govt. to provide brail machines for the visually challenged students.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

No, there is no such provision in the college. However, the college tries to bridge the knowledge gap after the commencement of programme.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

The college teachers give special attention to the academically weaker students during the classes. Also the teachers give special time to those students personally, and if required, special classes are organized to clear their doubts. In few cases college organizes remedial classes to cope with the programme.

2.2.4 How does the college sensitize its staff and students on issues such as gender inclusion, environment etc.?

The institution has a vision to find a new generation, which is well equipped with moral values, equity and kindness towards nature along with the higher education. For this regard the college has provisioned for the new teachers to be aware of this with the vision and also to the students through special meetings. It also takes the help of teachers and other staff to regulate the students. The college is a co-educational institute, where students of each category complete their higher education. This, in the beginning stage sensitizes every staff and students on the issues of gender equity. Celebration of women's day by teachers and students is also a part of the same tradition. Also both male and female students have equal priority to take part in different competitions, elections and functions. The college, at its own level and with the assistance from UGC and other bodies like ICSSR etc. make arrangements for seminars and conferences of state and national levels on the issues of environment, climate change, role of science and technology in different issues and also on social issues. The invited talks and presentations really help the staff and students to move in the directions of vision of college. The college also conducts different competitions through the elected candidates to make aware the students on different issues. Besides that, each department also conducts departmental seminars, group discussions and wall magazines and also arrange invited talks to aware the students.

2.2.5 How does the institute identify and respond to special education needs of advanced learners?

The advanced learners are noticed by the teachers in class rooms by their prompt answers and involvement in study. They are also identified through class tests in oral and writing. Based on their

performances and interests in further learning, teachers suggest and assist them to collect more study materials to go deep in to the subject, collect information from internet and to discuss among themselves and teachers for further understanding. Teachers discuss and help them too to solve the questions of different entrance examinations such as for higher studies, NET, SLET and public service commission. They are also encouraged to participate in some research level activities such as summer courses in different national level institutes and internship projects. Career counseling cell of college with the help of motivated teachers engage with this type of students to help them up to maximum extent for their career development.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

The academic performance of students from different disadvantaged sections of society, physically challenged, slow learners and economically weaker sections are identified by the proctors through their evaluation processes. The evaluation processes are basically different class tests and interactions. The identified students are counseled and the problems in learning process are detected. Special cares are taken by the individual teachers for the academic progress. They are helped through various ways, such as providing extra time for teaching, different books with easy learning etc. Students who seem not to cope up with the pace of learning are counseled and advised by the teachers and in a few case especially by grievance cell to improve themselves. The parents of the students are also informed to support them to improve themselves. In overall, college creates a friendly environment for the improvement of the students.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning & evaluation schedules (Academic Calendar, Teaching plan, evaluation blue-print etc.)?

The college follows the academic calendar developed by the Government of Odisha for the working days, election and Holidays. For the effective teaching in the college, teachers have to prepare monthly lesson plans to complete the course in due time and the lesson plans are regularly reviewed by the head of department and Principal. To evaluate the students' progress, teachers regularly conduct unit tests, monthly exams and college conduct internal and semester examinations. Science departments also conduct oral exams in their practical classes to improve the students for viva-voce examinations.

2.3.2 How does IQAC contribute to improve the teaching-learning process?

IQAC plays a major role for the development of teaching quality, awareness among teachers and defines various requirements of academic and administrative activities of the college. It imparts knowledge through team work at relentless efforts through various meetings and seminars. It promotes the research and consultancy, develops state of art infrastructure and synergetic relationship with the industry and society. It also ensures timely, efficient and progressive performance of academic, administrative and financial tasks. This cell monitors improvements in teaching processes, implementation of modern research-oriented teaching styles, and development in Co-curricular and Extra-curricular activities of the institution. The IQAC also works to enhance the learner's knowledge, capacity and personality.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The college provides a lot of support to make the learning process more student-centric. In the first phase, the library with a large stock of books and periodicals provide a huge support to both teachers and students to improve their knowledge. The library also manages a reading room, where students are issued books and go for self-studies as well as group studies. They also prepare their study materials and share with each other to improve their knowledge in a collaborative way. Along with this, a computer lab with internet facility is available in college, where staff and students collect the information and study materials from different reputed institutional websites and research institutes. Besides these, teachers, in a personal way and with the help of institute, collect some study tools such as molecular models, pictorial materials and other models etc. to teach students in an effective manner. Teachers encourage and arrange seminars, group discussions and functions for the participation of students both in independent and collaborative manner for personality development and better understanding. For this purpose, the college allows to use its model smart class room with projector facility and the language lab with a lot of technical facility. Students are also encouraged to prepare topics for departmental wall magazines. To collect the study materials from net easily, the college is planning to make its campus connected fast Wi-Fi facility.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

To improve the critical thinking, creativity and scientific temper among the students, the college encourages them to participate in intra and inter college extra mural activities. Our students also participate in district and state level competitions and own a lot of prizes. In the college various type of competitions are organized such as debates, essays, scientific writing, seminars, group discussions etc in which students explore new ideas. Along with this, in respective departments, teachers encourage students to increase their critical thinking and creativity through different activities such as scientific writing, to deliver seminar topics, group discussions on various scientific topics and recent issues. Departments also help students to nurture their scientific temper and research interest through practical. Teachers also encourage students to participate in different state and national level internship projects and summer courses.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Faculties use the modern multi-media teaching aids like OHP, multimedia projectors computers, internet facility available in college. They collect different information from internet, and e-books and translate them in their teaching. They take the help of the projectors to show them different audio-visual files to increase their interest in the particular subject. Specially faculties of science departments take the advantages of modern technology available in the institute. The college teachers are also connected with students through internet and mobile to provide assistance in learning.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

College and its departments organize invited lectures by experts from different institutes, where the guests are requested to deliver topics on recent developments and research areas. Various state and national level seminars and conferences are also organized in the college. Our teachers also participate in departmental seminars with recent areas and their own research topics. College also encourages and allows teachers to go for refresher and orientation courses and to attend various international/national/state level workshops, seminars and conferences to improve their knowledge. In department levels teachers along with students go for educational tours. A few teachers carry small scale researches in college and present papers in conferences. Specially, newly joined young faculties are in processes to apply for funding to open and carry out research projects, which is another part to improve their own and students' knowledge.

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling / mentoring/academic advise) provided to students?

Departments of the college carry out proctorial systems in which a proctor is assigned a group of students. The proctor acts as an advisor and assists the students for their academic improvement. They also help them for the selections and preparation of topics of seminars, wall magazine and projects.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faulty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The college insists teachers to keep themselves in touch with recent advancement in their topics. For this purpose, library collects periodicals and journals and also recent edited books. The college also has a central computer facility, in which, the teachers collect the advance information in their respective topics. Maximum no. of teachers are with higher qualifications and they are aware of the computer technology. This helps them to be in touch with the recent developments and also assist students to be acquainted with the same. With the help of modern technology, teachers create their own teaching aids such as pictorials, videos and power point presentations to make easier to teach students. They also take the help of chats, recent data, molecular model, permanent slides and museum specimens in biology. The faculty members are also encouraged to attend the conferences and seminars. The faculties who attend such seminars/ conferences share their experience with students and faculty with latest information.

2.3.9 How are library resources used to augment the teaching-learning process?

The institution has a library with a large number books, periodicals, magazines etc. The library takes the help of faculties of different departments to order for new books for the academic purpose in each year. Awareness services are arranged through notices in order to help the users to know about the recent entries in library such as new books, new periodicals, new items etc. Library also provides support to each department-seminars. Faculties and students use the library very effectively. To provide equal facility to everyone, each person is issued only a fixed number of books. Each student is issued a library card through which he can collect library books and gets the reading room facilities. Digitalization of details of books and other items are in process. Completion of this process will help

student and faculty to find the types of books available in library. This will also help to find the users to know about the status of books e.g. issued or in the stock.

2.3.10 Does this institution face any challenges in completing the curriculum within the planned time and calendar? If ‘yes’, elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes, the institution faces the challenges in completing the curriculum within the planned time and calendar due to shortage of staff. The present strength of staff is overburdened with curricular as well as extracurricular activities and they also face difficulties to complete the course. Also in some cases college remains closed due to some natural calamities such as cyclones etc. and some local disturbances. To overcome these difficulties, the faculties request to take some extra classes and also college appoints some guest-lecturers to decrease the burden of college faculties.

2.3.11 How does the institute monitor & evaluate the quality of teaching-learning?

IQAC conduct different interaction systems with teachers and students and collect feedback of teaching-learning in college. It prepares a report on this and submits to principal to take appropriate action. Except this, college also conducts several internal and semester examinations to evaluate the quality of teaching and learning. Head of each department also looks after in this point in their corresponding departments. Principal also visit, in a regular manner to departments and classrooms to evaluate the process. Department faculties also individually take some class-exams through written and orally and give importance on the required area for better understanding of students.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

Government of Odisha recruits the human resource for colleges based on the candidates' career performances and different competitive tests. Therefore college does not have any role in recruitment of staff. However college regularly send its requirements to the department of higher education for the better performances in teaching and learning.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes / modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

No such programmes are run in the college. However college is planning to introduce some self-financing courses along with its regular courses. Except this, college and individual departments invite qualified senior faculties from different institutes and research laboratories to introduce the recent topics and modern areas of learning to students. Also each department conducts seminars in which faculties and students deliver talks on recent areas of learning, which motivate students to choose different fields of education in their higher education.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

Academic Staff Development programmes	Numbers of Faculty nominated.
1. Refresher Courses	Nil
2. Orientation Programmes.	Nil
3. Workshops	07
4. HRD Programmes	Nil
5. Staff training conducted by the University	Nil
6. Staff training Conducted by other institutions.	Nil

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning: **Nil**

- Teaching learning methods/approaches
- Handling new curriculum
- Content/knowledge management
- Selection, development and use of enrichment materials
- Cross cutting issues
- Audio Visual Aids/multimedia
- OER'
- Teaching learning material development, selection and use

c) Percentage of faculty

- Invited as Resource person in Workshops / Seminars / Conferences by external professional agency – **33 %**
- Participated in external Workshops / Seminars / Conferences recognized by National / International bodies – **66 %**
- Presented papers in Workshops / Seminars / Conferences conducted by recognized agencies – **46%**

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

Faculties get full support from the college to recharge themselves in recent developments for their academic purpose and also their professional benefits. As per the regulations of Government of Odisha, faculties are allowed to go with study leaves to attend different national/international conferences, seminars and workshops. The college also deputes teachers to attend refresher and orientation programs organized by other institutes, universities and research organizations. College too allows to faculties to go for study tours to industries, protected areas of animals and birds and other areas to enhance their knowledge in particular areas. The college is also in process to conduct seminars and conferences and invite specialized lectures for the benefit of faculties and students. The newly joined young faculties,

in permission with college are planning to apply for research grants from different national/state level funding agencies.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Not Applicable.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

The college evaluates teachers through the feedback of students and their guardians, also by heads of departments and principal in a surprise visit to the class rooms. The feedback back form is filled-in by students and their guardians mentioned about the teaching quality of individual faculty in terms of presentation style, contents covered and innovative practices. If any faculty does not meet the required quality of teaching they are counseled by the senior members for his/her better performance.

2.5 Evaluation process and Reforms:

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculties are aware of the evaluation process?

The evaluation process is an integral part of teaching-learning process. College and the university try their best to aware the stakeholders. The stakeholders basically get the ideas about the syllabus to be studied and the possible pattern of questions for the examinations, respectively from the curriculum and the previous year examination question papers available in the college library. Details of evaluation process are also available in the university website and also in the college library. Any change in the above items and also any other information regarding these, are promptly informed through flashed notices in the website and also through a special letter to the college. The college puts the copies of notices on the students' notice boards, teachers' guard file and also instructs teachers to inform students regarding the changes. College also follows the regulations predescribed by the parent university. For this purpose, periodically, college calls for staff council meeting to make teachers aware of it.

2.5.2 What are the major evaluation reforms of the University that the institution has adopted and what are the reforms initiated by the institution on its own?

NIL.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

Recently no such evaluation reforms have been brought in by the respective parent universities. However, the college evaluates students' academic progress through class exams, unit tests and a main qualifying tests in the year- end-exam. The existing regulations for the evaluation rules laid by the affiliating Universities are strictly followed by the college.

2.5.4 Provide details on the formative & summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

The College, through its faculty members, conduct class exams, unit tests and a main test in month of December to count the students' progress and the students are given feedback on their performance. The summative evaluation by the Berhampur University is done every year during the months of March to May, whereas by CBCS system, KCU conducts it in every six months.

2.5.5 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The college evaluates the students' progress through class tests by the individual teachers and based on their marks obtained in the exams they are guided for their better performances. The copies of class tests, after evaluation, are showed to the students to know their mistakes in the examination. College also conducts a main qualifying test for the year end exam. If any student does not qualify in the main test exam, as per the rule of university, they are not allowed to sit in the year end exam. To monitor the students' performance during an academic year, an examination/evaluation board is constituted in the college. The board keeps track on students' progress and in some cases (for weaker students), the parents are also informed through letters and even telephonically.

2.5.6 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

Under Berhampur University, there is no such internal assessment system. However, under KCU, through CBCS pattern, the college is conducting internal assessment from the current academic year.

2.5.7 What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

As this college is affiliated to Berhampur University and KCU, the graduate attributes are determined by the concerned universities as per the need felt by them for each type of programme. The college makes aware their faculties regarding these attributes and encourages them to convey the students and also to assist them.

2.5.8 What are the mechanisms for redressal of grievances with reference to evaluation both at the college & the University level?

In case of the class tests, students having grievances with evaluation process are made clear by showing the answer sheets to them. However for the main qualifying test, a re-evaluation fee is collected for the grievances made by the student. Controller of examination, head of departments and principal as a committee redress every grievance of students and if needed the exam copies are re-evaluated by the concerned teacher. Very similarly at the university level, there is a provision to reevaluate the examination copy with some re-evaluation fee.

2.6 Student performance and learning outcomes

2.6.1 Does the College have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?

The learning outcomes are stated by the affiliating universities for each of the programme in a different manner. The courses of study are designed based on these perspectives. To go through statements, the teachers and students follow the syllabi available in library or from the respective websites of university to fulfill.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The college monitors students through various tests both written and oral during the programme. The results of class tests are informed to the students in the classes and also evaluated answer scripts are shown to them by the respective faculties. The result of main test exams are published on the main notice board meant for students. The result of examinations conducted by universities is displayed in the respective university website.

Courses	2011-12		2012-13		2013-14		2014-15	
	Appeared	Passed	Appeared	Passed	Appeared	Passed	Appeared	Passed
B.A.	79	51	84	82	89	61	101	62
B.Sc.	35	29	52	50	49	22	64	51
B.Com	19	16	19	19	34	29	41	36
P.G. Odia	08	07	10	08	12	11	08	Results not yet published
P.G. History	06	05	05	03	06	03	06	Results not yet published

List of students securing Top Ten positions In the University:

Courses	2011-12	2012-13	2013-14	2014-15
B.A	02	03	02	03
B.Sc	03	03	04	02
B.Com	01	Nil	01	02
P.G. Odia	-	-	-	-
P.G. History	-	-	-	-

The details of the students appeared and passed in the final year examination for last four years are shown in the above table along with a following table of number of students secured position in the top ten in the university examinations. The trends of passing rates of students are almost maintained in the last four years.

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

To facilitate the achievement of the intended learning outcomes the faculties takes the special interest to gear up the processes of teaching, learning and assessment. A committee made up of Principal, Academic Bursar and Heads of Departments monitor all the processes. IQAC of college also plays a major role in monitoring and facilitating the processes.

2.6.4. What are the measures taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

The faculties take the major role to encourage students in these regards. Along with this, the college invites experts and scientists from different fields such as different industries, research labs, Department of Forest, Social Workers and entrepreneurs to interact with the students. The invited personalities encourage students and in some cases, they also give chance to perform motivated students in guidance of them.

2.6.5. How does the institution collect & analyses data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The college takes a lot of care on teaching-learning processes of the system. In this regard faculties play a major role in collecting data of students' progress in terms performances in class tests. They analyze the data with the fellow colleagues and the respective Head of Department and take steps accordingly. In few cases they personally counsel the weaker students and assist them to perform better. They also take the help of advanced teaching methods such as chats, videos, pictorials, teaching aids e.g. molecular models and tools e.g. projectors and audio-visual gadgets etc. to give a better understanding about the subject. The IQAC of the college also assist in the process through various meetings with students.

2.6.7. Any other relevant information regarding Teaching, Learning & Evaluation which the College would like to include.

There is no such further information regarding the above areas. However, the information are discussed above are summarized below.

- I. The College has a transparent admission process through e-Admission
- II. The students are motivated to use general library, study room, seminar library and internet facility for further reading
- III. The students are encouraged to involve in different extracurricular activities and also to participate in departmental seminar and wall magazine writings.
- IV. The teachers take the help of different advanced methods such as through help of different teaching aids and computer technology
- V. The teachers are also encouraged to attend seminars, conferences, workshops, orientations and refresher course. They are also in process to conduct seminar, conferences and also collect research funding for different projects.

CRITERION-III: RESEARCH, CONSULTANCY AND EXTENSION

3.1. Promotion of Research

3.1.1. Does the institution have been recognized as research centre of the affiliating University or any other agencies?

No, this institution has not been recognized as research centre of the affiliating University or any other agencies.

3.1.2. Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, the college has a committee for “Promotion of Research Activities and Seminars”.

Additionally, the UGC committee looks after promotion of research.

3.1.3. What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

- **Autonomy of the principal investigator:** There is no ongoing research project in the college; however, the college will adhere to the norms laid down by the Department of Higher Education, Govt. of Odisha regarding implementation of research schemes/ projects.
- **Timely availability or release of resources:** The College adheres to the norms laid down by the Department of Higher Education, Govt. of Odisha regarding implementation of research schemes/ projects.
- **Adequate infrastructure and human resources:** This College does not have outstanding infrastructure facilities for research, but has basic facilities in the science departments in terms of instruments and research space. However, the College is planning to establish a central research laboratory where advanced equipments of various science departments will be installed.
- **Time-off, reduced teaching load, special leave etc. to teachers:** The faculties can avail duty leave/ academic leave, as per the government norms, for presenting research paper in various state/national/international level seminar/conference/ workshop after getting due permission from the Principal.
- **Support in terms of technology and information needs:** The College supports its faculties in terms of technology and information needs through computer with internet facilities.
- **Facilitate timely auditing and submission of utilization certificate to the funding authorities:** There is no ongoing research project in the college, however the accounts section of the college helps the faculty as and when required, in timely auditing and submitting the utilization certificate to the funding agencies as it has done in the past.
- **Any others:** NA

3.1.4. What are the efforts made by the institution in developing scientific temper and research culture among the students?

The principal and Academic Bursar of the college insist all the faculty members to develop scientific temperament and research culture among students. Science faculties of the college, organize tours to research institutions including universities to interact with the scientists and research scholars at their own capacity. The students of science departments are trained

regarding preparation of seminars and scientific write-ups for wall magazines by referring to scientific journals and papers.

Various departments of the college also organize seminars by inviting eminent personalities to develop **scientific temperament and research culture among the students** create curiosity among the students as well as to get a chance to meet with the distinguished persons of the related area.

In PG Departments each student has to submit a dissertation based on primary surveys and literature review, which helps in developing research culture among the students. In science departments the faculties also take special care while conducting the experiments, to develop the creative attitude of the students.

3.1.5. Give details of the faculty involvement in active research. (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

Currently one research student is carrying out PhD programme under Dr Ajay Kumar Tripathy (as co-supervisor).

One faculty member of Department of Economics is continuing her Ph.D. work in Utkal University.

3.1.6. Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

No such workshop is being organized recently.

3.1.7. Provide details of prioritized research areas & expertise available with the institution.

We do not have any research Centre but our faculty members are involved in the research at individual/collaborative level. Following is the detail along with research areas and expertise of the different faculty members

Chemistry: Molecular spectroscopy, Molecular modeling, Catalysis and Nuclear science.

Botany: Biotechnology, Ethno-pharmacology.

English – Linguistics & Teaching of English.

Physics: Solid state Physics, Space radiation and spectroscopy

Zoology: Animal Taxonomy (Morphology and Molecular), Biodiversity Conservation, Evolution and Phylogeny, Traditional knowledge and its conservation.

3.1.8. Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The college organizes the annual function of Science Society in a grand manner and invites eminent researchers as Guests. Furthermore,

Prof. S. N. Jena, retired Professor of Berhampur University, presently Principal of Gandhi Institute of Technology visited during 2015-16 and interacted with students.

Dr Sidharth Panda, Associate Professor Berhampur University visited during September-2015.

Department of Chemistry invited **Dr Panchanan Gauda**, Reader and Head-of the Department, Khallikote Cluster University during 5th January, 2016.

Department of Botany invited **Dr S. K. Das**, Retired Professor of Berhampur University visited during October-15 to the college and interacted with the students.

Other eminent scientists like **Dr Bijay Kumar Mohanty**, Reader and head of the department, Department of Botany, Khallikote Cluster University visited during January, 2016.

Dr Swetapadma Dash, OIC Zoological Survey of India, Gopalpur visited during 2014.

Prof. Sushil Kumar Dutta was invited as Chief Guest for the Annual Science Society function during 2015.

Dr Bivas Pandav, Scientist-E of Wildlife Institute of India visited the department during September, 2014 and interacted with the students.

Dr Karthik Sankar of Centre for Environmental Studies, Indian Institute of Science, Bengaluru also visited our college during 2014. Among others, scientists from Odisha Biodiversity Board visited our college and interacted with our students during 2014.

3.1.9. What percentage of the faculty has utilized sabbatical leave for research activities?

How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Nil.

3.1.10. Provide details of the initiatives taken up by the institution in creating awareness / advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)-

Department of Botany has taken initiative to establish an ex-situ conservation of the germplasm of valuable medicinal plants in the departmental botanical garden. People from nearby locality visit the botanical garden of our college.

Apart from class room teaching the students are exposed to various field and practical oriented training. Our students were taken to various protected areas to learn about the management strategies followed for biodiversity conservation. During 2015 the students visited Lakharivalley wildlife sanctuary and submitted reports. They were given on-field assignments to study quadrates and sampled various taxa. For ecology related practical, they regularly carryout field surveys and generate firsthand information from field. In the college Lily pond, in situ study on larval development of frogs and other insects are carried out.

3.2. Resource Mobilization for Research

3.2.2. What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

There is no special budgetary provision for research work at College level, the College receives grant from UGC exclusively for research, seminars and workshops.

3.2.2. Is there a provision in the institution to provide seed money to the faculty for research?

If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

No.

3.2.3. What are the financial provisions made available to support student research projects by students?

No financial support is available for any dissertation work.

3.2.4. How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The Principal of the college and UGC committee have always been encouraging to take up interdisciplinary research. However, such activities are in planning stage and are to be implemented soon.

3.2.5. How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

As per the circular of Department of Higher Education, Government of Odisha, instruments in non-workable condition were discarded and new equipments have been purchased as per the need of the syllabus. With these basic facilities research activities are carried out.

3.2.6. Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

No, there is no such provision in the college. To update and to purchase the latest technology, the college is receiving state grant and UGC grant.

3.2.7. Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

Nil

3.3. Research Facilities

3.3.1. What are research facilities available to the students and research scholars within the campus?

This college is providing undergraduate degree courses in Arts, Commerce and Science faculties along with post graduation in Arts faculty. The PhD scholars and other visiting research scholars only visit the college to consult with our faculty members. However, basic research facilities available in the science departments are used by the faculties. Internet connectivity has also been provided to many departments to enable the students to refer scientific publications. Following are the lists of major equipments in the college:-

3.3.2. What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The college has now a new built up area for science faculty. Four new laboratories are under construction which will meet the needs of research workers.

3.3.3. Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments / facilities created during the last four years.

No.

3.3.4. What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

No such facilities are available.

3.3.5. Provide details on the library / information resource centre or any other facilities available specifically for the researchers?

In the college campus the following infrastructure exists which can be utilized for teaching as well as research-

- Laboratories in science departments
- Library
- Departmental seminar library
- Reading room
- Computer laboratory

There is a reference section in the Library which caters to the research needs of the teachers and students. The college is also subscribing some journals, which are helpful to researchers.

3.3.6. What are the collaborative research facilities developed/created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

No such laboratories, Library etc. have been developed by any other research institute on collaboration.

3.4. Research Publication and Awards

3.4.1. Highlight the major research achievements of the staff and students in terms of Patents obtained and filed (process and product) – No patent have been filed by any of the faculty members.

Original research contributing to product improvement

- Dr Imtihan Saha has developed Odia transliterations software programme, which is of immense use in popularizing Odia language. It will help people to learn odia language quite easily.
- Dr. Pratyush P. Mohapatra, Department of Zoology is working on expression of Transient Receptor Potential cation channel, subfamily Melastatin, member 8, which is involved in detection of cold temperature, different noxious compounds and in execution of thermo- as well as chemo-sensitive responses at cellular levels. This research propose that expression of TRPM8 in sperm cell and its role in regulating sperm function are important factors that have guided its molecular evolution, and that these understandings may have medical importance. He is also working on documentation of faunal diversity of Eastern and Central India, focusing mostly on threatened fauna and developing conservation action plans for such species. His works on biodiversity conservation has direct benefit to the society. Additionally, he has initiated snake rescue programmes in Odisha, which has attracted many volunteers to work independently towards snake conservation and spreading awareness to minimize snakebite related deaths.
- Students of Zoology department have communicated two research papers (original articles) to journals.

3.4.2. Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The college doesn't publish or partner in publication of any research journals.

Give details of publication by faculty. – Please see the departmental profiles.

Publication per faculty

Number of papers published by faculty and students in peer reviewed journals (national/international)

Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - Directory, EBSCO host, etc.)

Monographs

Chapter in Books

Books Edited

Books with ISBN/ISSN numbers with details of publishers

Citation Index

SNIP

SJR

Impact factor

h-index

3.4.4. Provide details (if any) of Research Awards received by the faculty – NIL.

Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally –

Dr Pratyush P. Mohapatra was Honorary Wildlife Warden for Khurda District, selected by Government of Odisha, Department of Environment and Forests for the year 2012-2014.

He is also member of Viper Specialist Group, International Union for Conservation of Nature and Natural Resources for the year 2013-2016

Incentives given to faculty for receiving state, national and international recognition for research contributions. NA.

3.5. Consultancy

3.5.1. Give details of the systems and strategies for establishing institute-industry interface?

At present the college has no consultancy facilities / service.

3.5.2. What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

NA.

3.5.3. How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

NA.

3.5.4. List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

No such services were provided by the institute till date. Thus no revenue is generated during the last four years.

3.5.5. What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

The institute is not generating any income from such consultancy.

3.6. Extension Activities and Institutional Social Responsibility (ISR)

3.6.1. How does the institution promote institution-neighborhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The college organizes different extension activities in and outside the campus to engage students in different community based social services. For holistic development of the students, the College has active NSS unit, Red Ribbon Club (RRC), NCC male wing, Naval wing, Youth Red Cross, Commerce Society and Science Society. The College has more than 75 volunteers of NSS unit, run by a faculty member as Programme Officer. Under YRC unit there is a Red Ribbon Club which is funded by State AIDS Control Society, sister concern of the NACO.

NSS organizes/participates/observes different activities/programmes as part of regular activities and special camp activities and also participates in many programmes organized by different schools units and sub-divisional unit. Red Ribbon Club works for awareness building among the students and community people about HIV/AIDS. NCC and Naval wing cadets participate in various special camps where basic military training in small arms and parades are given to develop capacity among students to meet emergencies and natural disasters. Our NCC and NSS students were also deployed during super cyclones Phailine and Hudhud during 2013 and 2014 respectively. Their regular activity is to practice parades and they also participate in state/national level parades on Independence Day, Republic Day aiming to develop a sense of national integration among students.

Moreover, our faculty members are being invited for conducting various district level competitions and evaluation of various projects at school and college level as judges. Faculties from science departments are also delivering special talks at nearby schools to promote higher studies among students.

3.6.2. What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

The college organizes debate, group discussion, self-defense programme for women, drama, and rally etc. on various social issues like National Unity, AIDS Awareness, Women Empowerment, Environment, Blood donation camp by YRC etc. Members of staff of the college are in-charge of such activities and student participation is encouraged.

3.6.3. How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The goals and objectives of the College are prominently displayed in the Information Bulletin and college calendar provided to the students at the time of admission. Information related to the college and time to time updates regarding activities are provided in the college website.

The college involves various stakeholders by forming different committees, Alumni Association and Science Club with a fair representation of Students. The IQAC works on the feedback collected from the entire stakeholder to prepare road maps for development.

Students:

- The opinions of students are valued and actions are taken on priority basis.
- One student of each Class is nominated as Class representative. In science departments the seminar secretary is the students' representative. He/She communicates students' requirements and problems to the respective teacher/ head of department/ Principal. The seminar secretary conducts the seminar, writes the minutes and maintains the seminar register.
- A Suggestion box is placed near Principal's chamber, which is accessible to all the students and parents.
- Students have the freedom to approach the Principal during working hours without prior appointment.

Parents:

- The faculties of each department are in direct touch with the parents. Each department maintains a telephone directory of parents to contact them in case of emergency.
- The parents are informed regarding academic performance of the students.
- Attendance records and academic performances are also discussed during parent-teacher meetings.
- The college takes consent of parents prior to planning for any out-of-station exposure visits of students.
- Parents and guardians of any student are allowed to meet the Principal and teachers on any working day to make any suggestions or complaints.

Staff:

- Meetings of staff council, comprising teaching and non-teaching staff, are conducted at regular intervals.
- In case of emergencies, urgent staff meetings are held to resolve the matter.
- Decisions related to any matter of the college are taken only after consultation with the staff during staff meeting.

NSS regular activities:

- Swachha bharat abhiyan, Active citizenship programme, plantation programmes, cleaning of beach, cleaning of water bodies and village ponds, cycle rally etc.
- The NSS volunteers take part in various institutional activities to manage crowd during college admission, college annual functions, seminars, annual sports and any other large gathering-cultural programmes.
- Observation of Independence Day celebration, Republic Day celebration, International Non-violence Day celebration, Road safety week, vigilance awareness day, Education Day celebration in the college campus.

NSS & RRC Activities:

The activities of NSS and RRC are as follows.

- Celebration of World AIDS Day in the College campus in collaboration with RRC and NACO. The activities include seminar, invited talks, blood donation camps, health

camps etc. involving YRC society, NSS programme officer, staff members and Principal.

- Organizing World AIDS Day awareness programme.

3.6.4. How does the institution plan and organize its extension and outreach programmes?

Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The college is regularly organizing a number of outreach activities which relate to academic, social, cultural, community service, adventure etc and all culminating in building a healthy society contributing to nation building. The college with the help of many voluntary organizations and NGOs organizes the outreach programs. The NCC unit has conducted several blood donation camps and tree plantations. The expenditures for the same are generally borne by such organizations but over and above if need arises, it is reimbursed by college. In the past 4 years the following extension and outreach programmes have been conducted by the college:

3.6.5. How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

At the time of admission the students are made aware about the programmes running in the college. Efforts are made by providing college calendar, leaflets, etc about the various extension activities and their advantages particularly in the job market.

The details of the program are also displayed on the notice board and an interaction of students is organized with NSS officer, NCC officer and Youth Coordinator of the college.

3.6.6. Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

No such survey has been conducted.

3.6.7. Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The prime objectives of the extension activities are to inculcate social responsibilities and “help others” attitude among students.

The extension activities definitely help students to develop leadership quality along with academic learning experience. The students involved in such activities are in general humble, amicable and skillful. It helps in developing friendly relationship with the faculties too. These activities refresh the environment of the institute as well.

Outcome:

The results of the participation in the various socially relevant activities have resulted in inculcating the feeling of being socially awakened citizens in the students. The students who have been a part of this process have been spreading awareness in the institution and motivating other students as well to stand tall for the cause of social upliftment.

3.6.7. How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The College and local community share a very good rapport and are in constant touch with each other. Besides, public representatives, expert doctors of district hospital, various departmental officials, YRC, RRC, NACO, NSS sub-divisional committee, NGOs help the college with their expertise time to time on various extra-curricular and extension and outreach activities/programmes of the College. Some of the major initiatives undertaken by the College involving various communities are as follows:

Blood Donation Camp

The NSS, YRC, NCC and Students' Union of the college and alumni association organize blood donation camp in the college premises regularly in coordination with the District Blood Bank. The local communities, different NSS units of Chatrapur district are also invited to attend the camp and to become aware of the importance of blood donation.

Health camps

The YRC of the college has organised health camps. The students and people residing in the nearby areas were diagnosed by physicians and were distributed free medicines during the camps.

Youth Red Cross

The YRC in the college organizes Aids awareness programme, blood donation camp, Health and Hygiene, Swachhata Abhijan every years.

3.6.8. Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The institution has developed contacts with various Government departments to carryout extension activities. The blood donation camps are organized with the help of District Headquarter Hospital, Chatrapur. The NSS and NCC wings co-ordinate all activities under the norms of the University. The units organize tree plantation, village cleanliness, Awareness activities like, Environment Pollution, Effects of pesticides on human life with the help of NGOs & Govt. organizations in the district.

3.6.9. Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

No such awards are received by the college.

3.7. Collaboration

3.7.1. How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives – collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The college is providing under-graduate courses and there are only two post-graduation programmes. Hence research activities at the students' level have not been undertaken as research is not a part of the curriculum. However, there are quite a few non-formal collaborations in terms of sharing of research ideas and publications. There is no such formal agreement with such collaborators.

3.7.2. Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

At present the College has no official collaborations with research laboratories and industry for research activities.

3.7.3. Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

None.

3.7.4. Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Nil.

3.7.5. How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

- Curriculum development/enrichment
- Internship/ On-the-job training
- Summer placement
- Faculty exchange and professional development
- Research
- Consultancy
- Extension
- Publication
- Student Placement
- Twinning programmes
- Introduction of new courses
- Student exchange
- Any other

The College has not signed in any formal MOUs and agreements.

3.7.6. Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

The college does not have any formal collaborations or linkages, however such activities are planned in future.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

Nil.

Criterion IV – Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

For the purpose of creation and enhancement of existing infrastructure that can facilitate effective teaching and learning environment in the college, resolutions are passed through Principal, Academic Committee, Governing body and UGC committee.

For the new construction, a proposal of Academic and UGC committees of the college has been sent to the Department of Higher Education, Government of Odisha. For creation of other curricular, co-curricular and extra-curricular infrastructures under RUSA that facilitate effective teaching and learning, a request has been made to UGC through proposal.

Regarding Physical infrastructure for curricular activities like new construction of buildings, classrooms, laboratories, staff rooms, administrative block, hostel etc. fund has been sanctioned by the Directorate of Higher Education of Government of Odisha and the job is done by the P.W.D., Government of Odisha. At presently, following projects are in progress:

- Construction of three Classrooms
- Construction of six New Laboratories
- Construction of six Store Rooms
- Construction of three Staff Rooms
- Construction of three Computer Labs
- Construction of one Conference Room

4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities-

Classrooms – 16

Classroom	Seating Capacity
02	120
05	30
06, 07 and 19	60 each
16,17,18 and 22	40 each
Science Block 1 and Science	120 each
Library 1 and Library 2	200 each
Odia Department	24

Technology enabled learning spaces:

Number/Technology	Seating Capacity
Smart Classroom	40
Classrooms with LCD Projector (Language Lab)	32

Seminar Halls –

Number/Technology	Seating Capacity
Nil	Nil

Tutorial Spaces – No

Laboratories – 06: Physics Lab-02, Chemistry- 01, Botany- 01 and Zoology-01 and computer lab-01

Botanical Garden – 01

Special Facilities for teaching & learning – Projector Laptop and PCs are available and used for the purpose of teaching and presentation.

b) Extra-curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

The available facilities for extra-curricular activities are:

Sports & Gymnasium:

One well equipped Gymnasium is available in the college.

Auditorium: Nil.

Outdoor and indoor games: The facilities are available for both outdoor and indoor games for boys and girls. Facilities are available for cricket, badminton, athletics, chess, carom boards, table tennis etc.

National Service Scheme: NSS activities are made under the direction of programme coordinator

National Cadet Corps: Available under Army Wing and Naval Wing

Rovers and Rangers: Available

Communication skills development: Language Lab is established for this purpose

Health and hygiene: In college campus, safe drinking water facility through water purifiers is available for students and staffs. Cleanliness is maintained in toilets regularly. There is no facility for health care within the College campus. However in case of emergency, first aid is used and when required, the students and staff are admitted to District Headquarter Hospital which is very near to the college.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

To utilize existing infrastructure for regular classes and other curricula, academic committee and time-table committee together develop the plan and allot the classes to respective department. At present classes of + 2 and +3 Commerce classes are being run from 8:00

AM to 01:15 PM and +3 arts, science and PG classes are being run from 11:00 AM to 04:00 PM.

So far as infrastructure development is concerned, a request in this regard is sent to the Government of Odisha. Later, if the request is accepted, it is developed and managed by the PWD, Government of Odisha

Please see the Master Plan of the college as Appendix –I.

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The college is concern for the students with physical disabilities. Such students are very few in numbers but college provides every possible support to them. For their convenience, classes are organised at ground level of the premise with slop way facility.

4.1.5 Give details on the residential facility and various provisions available within them:

- Hostel Facility – Not Available
- Recreational facilities – Not Applicable
- Computer facility including access to internet in hostel – Not Applicable
- Facilities for medical emergencies – Not Applicable
- Library facility in the hostels – Not Applicable
- Internet and Wi-Fi facility – Not Applicable
- Available residential facility for the staff and occupancy – Not Available
- Constant Supply of safe drinking water – Not Applicable
- Security – Not Applicable

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

There is facility available for the students and staff in terms of health care in the campus. Off the campus, district hospital is available at the distance of 01 kilometer. In case of emergency, ambulance service can be availed or college administration admits the student and staff.

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

- IQAC – Yes.
- Grievances Redressal Unit – Yes.
- Counseling & Career Guidance – Yes.
- Placement Unit - No. Health Care – No. Canteen - Yes.
- Recreational Spaces for staff and students – Yes. Safe drinking water facility – Yes.
- Auditorium – No.

4.2. Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, the Library has a “Library Advisory Committee” with the following composition.

Principal – Chairman

OIC Library – Member Secretary

Three teaching staff of the College – Members

Librarian – Member

The committee guides and supervises the functioning of the library. It also monitors availability and conditions of Books and journals. Besides, the committee also assesses the requirements of furniture, communicative aids, books, journals etc and fund for the smooth running of library.

4.2.2 Provide detail of the following.

Total area of the Library in Sq. Mts.	750 Sq. mts.
Total seating capacity	40 students(study room)
Working Hours	i) 10.00 a.m. to 4.00 a.m. (working days, before examination days) ii) Closed (holidays and vacation)
Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)	-----

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Library books are purchased either from publishers' house or local suppliers by Library purchase committee in consultation with the librarian and departmental faculty members. Following purchases were made during the last four years:

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- * OPAC - Nil
- * Electronic Resource Management package for e-journals- Nil
- * Federated searching tools to search articles in multiple databases - Nil
- * Library Website - Nil
- * In-house/remote access to e-publications- Nil
- * Library automation – Under progress
- * Total number of computers for public access - Nil
- * Total numbers of printers for public access - Nil
- * Internet band width/ speed 2mbps 10 mbps 1 gb (GB) - Nil
- * Institutional Repository - Nil
- * Content management system for e-learning – Nil
- * Participation in Resource sharing networks/consortia (like Inflibnet) – Nil

4.2.5 Provide details on the following items:

- * Average number of walk-ins – 100 students per day.
- * Average number of books issued/returned – 200 books per day
- * Ratio of library books to students enrolled – 1 : 34
- * Average number of books added during last three years - 99
- * Average number of login to opac (OPAC) - NA
- * Average number of login to e-resources - NA
- * Average number of e-resources downloaded/printed - NA
- * Number of information literacy trainings organized - Nil
- * Details of “weeding out” of books and other materials – Nil

4.2.6. Give details of the specialized services provided by the library

- * Manuscripts – No.
- * Reference- Yes
- * Reprography – No
- * ILL (Inter Library Loan Service) – No.
- * Information deployment and notification (Information Deployment and Notification) – No.
- * Download – No.
- * Printing – No
- * Reading list/ Bibliography compilation – No.
- * In-house/remote access to e-resources – No.
- * User Orientation and awareness – No.
- * Assistance in searching Databases – No.
- * INFLIBNET/IUC facilities – No.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Library access is provided to students and staff on every normal working day. It is opened for 6 hours (10:00 AM to 04:00 PM). For accessing the books and periodicals, a list of books and periodicals are provided to the students and teachers. For issuing the books, registers are maintained separately for students and the staff.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

Special attention is given to visually/physically challenged persons. Proposal has been sent to DHE, Odisha to provide brail machine to the college. Ranks have been erected for physically challenged students. Library staff provide them list of books and periodicals. Seating arrangement is managed for them when they visit to library. All the possible assistance is provided to them by library staff and college administration regarding library access.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Library collects feedback from the students and teaching staff through maintaining suggestion register and informal conversation. These inputs are placed before library committee for further improvements. The suggestions and other inputs are analysed within the purview of existing infrastructure and funds, and accordingly decision is taken. Some of the decisions are executed immediately and some are sent to higher authority for necessary permission.

4.3. IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- Number of computers with Configuration (provide actual number with exact configuration of each available system) – 27 computers are loaded with windows 7, XP, windows 8.
- Computer-student ratio – 1:86
- Standalone facility- No
- LAN facility – Partially in SAMS Lab only.
- Wi-Fi facility - Yes
- Licensed software – Yes.
- Number of nodes/ computers with Internet facility – 10

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

In college, a computer lab is equipped with internet facility and it is available for the students and staff. The college does not provide and off-campus computer and internet facility.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The college has plan to make entire campus Wi-Fi, to provide computers with internet facility to all the departments and to increase the degree of automation in the office.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years): NIL

Year	2011-12	2012-13	2013-14	2014-15
ICT, Maintenance of Computer				
Maintenance of Equipments				
Campus Infrastructure				

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

The college encourages students to use computer for their given assignments and motivates teaching staff for using ICT resources for the teaching purpose. For them, computer lab is provided for above task and projector is also provided for the same.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

At the department level, seminar and talk are organised for the students regularly. In such activities, students and staff are encouraged to use the ICT means for their materials and presentations. Teaching staff provide all the possible technological assistance to the students.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of? -

- No

4.4. Maintenance of Campus Facilities

4.4.1. How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

Maintenance and upkeep of building, furniture, equipment and others are managed by the Government of Odisha. Hence, concerned department of the Government prepares the budget and allocate the funds. The college has no information in this regard.

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Since the college is a Govt. college the PWD of the State Govt. has been assigned the repairing work of different parts of the building. The PWD in consultation with the college prepares the budget for maintenance of the building.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

Existing equipments and instruments are maintained by the experienced technical staff regularly. Important instructions are conveyed to students to use equipments and instruments. Periodically, results are tested and matched with other instruments in order to ensure the accuracy is given by the instruments.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)? Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

In order to maintain constant electric voltage to the instruments, appropriate stabilizers are installed along with the instruments. For water, separate water tank and reserve water tank are made in this regard, which is connected with 24 hours water supply connection. Besides, water purifiers have also been installed at every important place. Additionally, a technical staff regularly visits the installed equipment places and monitors and ensure the working of the it.

CRITERION-V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus / handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Being a Government College, the prospectus is provided by the Department of Higher Education, Government of Odisha in their website. On the other hand the college publishes a calendar annually, which is made available to all the students taking admission. The calendar includes the following important information.

- History of the College
- Admission
- Information for admission (P.G. and U.G.), such as academic programmes/ courses offered.
- Facilities and Activities (NCC, Naval wing, NSS, YRC and sports activities)
- College rules and regulations
- Department staff and contact details

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

There are several scholarship and freeships available to the students as per Government rules and specifications. During the last four years such financial aid was available and disbursed on time.

Table: Students Scholarship Profile

Type of Scholarship [Scholarship per Student in	Number of Students			Amount Disbursed
	M	F	T	
P.M.S. (2015-16) to Medhabruti				
SC students	66	59		Under process
ST students	06	05		165
OBC students	56	43		11
PWD (Banishree scholarship)	03	01		99
				04
P.M.S. (2014-15) to Medhabruti				
SC students	11	21		32
ST students	46	35		81
OBC students	12	04		16
PWD (Banishree scholarship)	67	31		98
	03	00		03

P.M.S. (2013-14) to				
Medhabruti	-	-	-	-
SC students	55	21	76	
ST students	11	02	13	
OBC students	66	32	98	
PWD (Banishree scholarship)	-	-	-	
P.M.S. (2012-13) to				
Medhabruti	-	-	-	-
SC students	33	17	50	
ST students	05	-	5	
OBC students	47	23	70	

5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?- 30%

Approximately 35% (average of last three academic sessions from 2012-13 till 2014-15) of all students receives financial assistance from state government or central government.

Table: Financial Assistance (Scholarship) Profile

Sources	Number of Students Received			
	2012-13	2013-14	2014-15	2015-16
State government schemes(PMS)	125	187	230	
Central government schemes UGC		-	-	-
Other national agencies	-	-	-	-
Total				

5.1.4 What are the specific support services/facilities available for

- **For SC/ST, OBC and economically weaker sections-** The backward class students of the college such as ST, SC, OBC and economically weaker sections are receiving scholarships from state Government. Additionally the Jyoti Fellowship provided by TATA foundation for SC/ ST students are selected through entrance test are receiving scholarships along with Tablets for students securing top 10 positions. For them special coaching classes/ remedial classes are organized.
- **Students with physical disabilities-** Students with physical disabilities are given special weightage during admission as per Govt. rules. In the college there is ramp facility leading to the class room for the physically challenged students. During examination special arrangements are made to facilitate them. The blind students are provided with scribe, as per government rules. Staff members of the college also assist them in getting in to class room. Financial benefits are also provided as per Govt. rules.
- **Students to participate in various competitions/National and International-** The Students' Union organizes various competitions such as Essay, Debate, Quiz, Dance, Song, Drawing, Rangoli Competitions in the college and sponsors students to participate in the District level and Inter-College Competitions organized by the

Sambalpur University. They are also encouraged to take part in National/ International Seminars.

- **Anti-Ragging-** The college has formed an anti-ragging squad in our college along with keeping vigil to prevent every type of ragging inside the campus. As of now, we don't have any problems regarding ragging in our college. The committee comprises four members.
- **Sexual Harassment-** The College has a ‘Women Harassment and Redressal cell’ consisting of six women faculty members of the college. The Cell/ committee inquires into issues pertaining to sexual harassment cases and to recommend necessary steps and action.
- **Medical assistance-** Red Cross wing of the college organizes health checkup and Blood Donation camps at regular intervals. Besides, the college take the privilege of being situated close to the District HQ Hospital, Chatrapur, which is less than 1km from the college. Furthermore, there is facility for first-aid treatment available in the college and maintained by the YRC Society.
- **Organizing Coaching Classes for competitive exams-** There is no provision for special coaching classes but the faculties encourage the students for competitive examination in the respective class rooms through the topics covered in the syllabus.
- **Skill Development (spoken English, computer literacy, etc.,)-** Through the language laboratory of the college the students are provided training for skill development on **spoken English and computer literacy**. Faculties from other institutions are also invited to deliver lectures on skill development of students.
- **Support for “slow learners”-** Remedial coaching classes are organized for “Slow learners”. The faculty members of each department devote more time, apart from class room teaching, for the slow learners.
- **Exposures of students to other institution of higher learning/corporate/business house etc.-** Students are encouraged to visit other institutions, corporate/business houses through field studies organized by various departments.
- **Publication of student magazines-** The College publishes a magazine annually, named “**Rushikulya**”, in which the students are encouraged to contribute articles. Additionally some departments such as department of Physics, Botany, Zoology, Chemistry and Odia have wall magazines in their respective departments. The students provide articles for the wall magazine at regular intervals, which is displayed for students of other departments also.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

The college makes efforts for overall development of its students, including entrepreneurial skills. In the course curriculum for Commerce, there are courses such as Business communication Entrepreneurial development.

- 5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

Additional academic support- Students of this college take part in sports, games, various cultural competitions organized by different sectors, quiz competitions, essay competition, debate and group discussions. Cultural programmes are arranged by the College in regular intervals. Students representing the college in various sports events or any other co-curricular activities at the District level, University level, state level, National level get relaxation in attendance and the Unit Test or Test Examination.

Special support- Sports Uniform, materials are supplied to the team representing the college and Daily allowance for food are paid during the period of such representation by the Athletic Association of the College.

Flexibility in Examination- For the students representing college in games, sports & other co-curricular activities, the College organizes special examinations as and when necessary.

Any other:- Weightage during the time of admission is given as prescribed by the Govt. rules.

- 5.1.7 Enumerating on the Support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, ATE/CAT/GRE/TOFEL/GMAT/Central/ State services, Defense, Civil Services etc.**

Faculty members use to take proper care to support and guidance to those promising students aspiring to prepare for state level and National level competitive examinations. However, the exact number of aspirants has not been recorded by the office.

- 5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)**

The college has a career counseling cell and one students' advisory bureau comprising senior faculty members of the college. The students get guidance from other faculties as well.

- 5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).**

Although the College has not a structured mechanism for career guidance and placement of its students, however students get opportunities sometimes through campus selection organized by some external agencies.

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

There is a “Students’ grievance redressal cell” in the college headed by a senior faculty member. Additionally the students directly lodge complaints to the Principal through the College union or individually in writing. The Grievance Cell and the Principal listen to the complaints of the students very carefully and take necessary actions. During the last four years as many as 22 grievances were settled. The most important grievances are listed as follows.

Table:

	Grievances	Actions taken
1	Hostel	Under construction
2	Teaching aids	Provided
3	Maintenance of black boards	Provided
4	Digital class room	In Labs there is constant water supply which is being maintained by the PHD, department of the state Govt.
5	Arranging more ceiling fans in the classroom	Provided in class rooms.
6	Provision for lights in the class rooms	Provided
7	Provided green glass boards/ white boards to all Departments and interactive Smart board facility	Green Glass board-Nil; White board- 5; Smart board- Nil
8	Drinking water facility in the college	Provided
9	Provision for new buildings	Under process
10	Provision for a day watchman	Provided

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

There is a separate cell named as “Women Harassment and Redressal Cell” to resolve issues pertaining to sexual harassment, comprising six lady faculty members. However, no such case was reported in last four years. The committee organizes awareness campaign time to time. There is also a Self Defense Wing in the college, which organizes self-defense trainings to the girl students. The programme started as an initiative of Central Government after the Nirbhaya case. The Women Harassment and Redressal Cell also celebrates national girl-child day, world mother’s day etc. to generate awareness among students.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

There is an anti-ragging and discipline committee in the college. So far it has not received a single case of ragging during the last four years.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

There are several welfare schemes such as Post-Matric Scholarships for meritorious students (Medhabruti), SC, ST, OBC and Physically challenged students provided by the state and central government. Additionally TATA Steel provides Jyoti Fellowship for SC/ ST students through entrance test for the students of Chatrapur, Ganjam and Rangeilunda block of Ganjam district and the students securing top ten positions in the entrance test are provided with a free Tablet.

In the college there are also various committees for students' welfare as follows

- **Scholarship committee:** This committee informs students about various scholarships and freeships available for the students. It also makes aware about various other scholarships available online. The committee notifies all these information in the college notice board.
- **Anti-Ragging Cell:** This cell is vigilant against any kind of ragging activities in the college premises. However, no ragging cases have been recorded so far.
- **Minority cell:** The Minority Cell is headed by a three member committee. This cell handles cases related to students of Minority category.
- **Women harassment and redressal Cell:** The Women Harassment and redressal cell” consisting of six women faculty members of the college. The Cell/ committee inquire into issues pertaining to sexual harassment cases and to recommend necessary steps and action.
- **Students' Grievance and Redressal Cell:** Grievance Redressal Cell actively interacts with the students to help them sort out their grievances. It attends to both registered and unregistered grievances of the students.
- **Self-defense Training:** The committee is run by four faculty members and it imparts self-defense training to girl students. For this purpose some senior girl students get training on Martial Arts and become Master trainers. The master trainer trains other students in the college.
- **Student's advisory Bureau:** This Cell advises and counsels students regarding career options. This Committee is headed by senior faculty members of the college.
- **Career Counseling Cell:** The Cell covers meetings, workshops for students to make them aware of their careers so that the students will be able to build the career of their choice.

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions, for institutional, academic and infrastructure development?

Yes. There is a registered Alumni Association in the College. It extends its helping hand to the college whenever it is required by the college administration. Its major contributions were the organizational support it gave during the NAAC Peer Team’s Visit to the college, helping in resolving the land dispute of the college etc. The last meeting of the association was held on 09.08.2015.

5.2. Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

The College provides under graduate courses and there are post-graduation programs only in two Arts subjects. The College does not have a tracking system to systematically record the progress to higher education/employment profile of all its graduating students. Every year many students, especially most of the honours graduation students, take admission at the PG level courses in various Universities of the state. Some students of the last four batches got employment in State/ central Government services. Although there is no provision for regular campus selection in the college, the students are advised to attend Job mela and other off-campus job hunting programmes.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Programme	Institute	Academic Performance: A Comparative Picture of Part III Results				
		Pass (%)	2012	2013	2014	2015
B.A	GSCC	70	69	66	75	
B.Sc	GSCC	74	77	75	78	
B.Com	GSCC	92	89	82	84	
M.A	GSCC	69	76	74	81	
Total		76.25	77.75	74.25	79.5	

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The college facilitates student progression to higher level at every step. All the faculty members take special care towards encouraging students for higher education in the class and off-class. Eminent personalities, researchers and

scientists from diverse fields are invited to interact with the students. Personality development programmes are also organized time to time.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Special support is provided to the students to rule out failures and drop-outs. The institution is committed to bring down the dropout rate. To deal with the socio cultural problems, the counseling cell and grievance cell address the problems of the students and sometimes the matters are discussed with the parents too. In the college the faculties carry out Counselling through respective proctors, information to parents about poor performance and poor attendance of the students, special classes are organized and individual attention was paid by the subject teachers if required. The students are also provided with lecture notes to perform better in the examinations.

5.3. Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

The college organizes several activities on games & sports, cultural and other extracurricular activities for the students in the college. The different committees of the college also give training/guidance to the students for participating in these activities organized by other institutions. The available facilities for these activities are:

Games & Sports

There is an Athletic committee in the college to encourage sports activities. for participation in various intra-collegiate competitions and inter-collegiate cricket, football, volleyball, table tennis, chess, judo tournaments at college/university/state/national level competitions.

- This college does not have its own ground but our students use the District ground which is situated at a distance of 500m from the college.
- Girls' common room is provided with indoor games facility like carom, chess, ludo, Chinese checker, etc.
- In the Boys' common room indoor games facilities such as Table tennis, Carom, Chess etc are provided for recreation of the students.
- There is a football ground, cricket ground, volleyball court in the college campus.

Cultural:

In the college there is a Cultural Association headed by senior faculty members as Vice Presidents of the association. In this category there are two committees, Cultural association committee and Drama and Music Committee.

Competitions like Essay Writing and Debates (English, Hindi and Odia), Quiz and G.K.Test, Song, Dance, Rangoli, Art Competitions etc. are organized by the committees. Besides students are regularly deputed to participate in District level competitions and Inter-College competitions.

Other Extra-curricular Activities

The college has many units like NCC, Naval wing, Youth Red Cross Society, NSS unit, Science Society and Commerce Society, which organize extracurricular activities throughout the year.

- 5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.**

Achievements of Students in the Field of Sports and Games:

List of Events	Level	Award	Year
Volleyball	Inter-College		
Volleyball	Inter-College		

Achievements of Students in Cultural Activities: NIL

List of Events	Level	Award	Year

Achievements of NCC Cadets: NCC cadets (Army and Naval wing) attend state/regional/national level camp and various activities organized by the camp. Following are the details of participation and achievements of cadets in major events:

i) Participation of NCC Cadets/ Army Wing:

Name of the student	List of Events	Year
Sagar satapathy	Republic Day Parade	2013-14
Sumit Raj Panda	Republic Day Parade	2013-14

ii. Participation of Naval wing:

Name of the student	List of Events	Year
G. Satyanarayan Dora	Republic Day Parade	2014-15
Prabin Nandan Acharya	Nausainik, Vishakhapatnam National	2014-15
Ranjit Sahu	Nausainik, Vishakhapatnam National	2014-15
G. Lokanath Rao	Nausainik, Vishakhapatnam National	2014-15

5.3.3. How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

No systematic format is used for seeking such feedback. The college seeks data and feedback from its graduates and employers on personal contact basis and through stakeholders on its institutional performance. District Collector, local MLA and their representatives make visits to the college and give their feedback. The data is used after having a discussion among members of the staff for improvement/implementation. Graduates seek data from the Alumni association profile.

5.3.4. How does the College involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

There is a committee for College Magazine in this college, which promotes students and members to provide articles. In our college magazine, named Rushikulya, articles in Odia, English and Hindi languages are published every year. Additionally there are Wall magazines in department of Odia, Physics, Chemistry, Botany and Zoology. Students of these departments provide articles on current research topics.

Another committee for promotion of research activities and seminars headed by senior faculties also promotes students to deliver seminar talks and the summary of the topics are displayed in the wall magazines of the respective department.

Following are the articles published in the College magazine and Department Wall magazine in last two years.

Name of the magazine	No. of articles published			
	2012-13	2013-14	2014-15	2015-16
Rushikulya (College Magazine)	32	--	38	48
Pratibimba: Department of Odia	--	--	27	21
Focus: Department of Physics	--	--	10	23
Aroma: department of Chemistry	--	--	8	22
Tulia: Department of Botany	--	--	12	18
Zoological Scripta: Dept. of Zoology	--	--	25	34

5.3.5 Does the College have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The college has a students' Union, which is constituted by an elected body of office bearers and guided by an Officer-in-Charge, College Election. The OIC handles all election related matters as per the instruction provided by Department of Higher Education, Government of Odisha. The principal monitors the overall progress and development in election. The Discipline Committee also helps the Election committee in maintaining discipline during election.

Selection and Constitution:

The Council is elected through election for an academic session. The office bearers of the Council are elected by the voting of general candidates. The class representatives are elected by the voting of particular class. The Council consists of 18 members as Office bearers – President; Vice president; General Secretary & Assistant Secretary; Athletic Secretary & Assistant Secretary; Secretary & Assistant Secretary of boys Common Room; Secretary & Assistant Secretary for girls Common Room; Secretary and Asst. Secretary of Science Society; Secretary and Asst. Secretary of Commerce Society, Secretary and Asst. Secretary of Day Scholar; & Secretary and Assistant Secretary Drama and music and the class representatives.

Activities:

The Students' Union Council consists of both boys and girls students from all streams of the college to represent the whole students' body. The members as class representatives help the administration in smooth running of the college. The union members take active participation in various activities of the college like Drama/Debate, Games, Sports, etc. They are also active members of different committees like Magazine Committee, Sports Committee, IQAC, etc. It organizes various compositions among students and organizes functions such as Inaugural Function & Annual Function.

Funding:

The funding of the Union is constituted by a fixed amount collected from each bonafide student, who is a member of the Union.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

There are no officially recognized academic and administrative bodies which have student representatives.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The College networks with the Alumni through the activities of the Alumni Association. The faculty members of the College maintain a good relation with the former faculty members also. The institute networks with them through the activities of the College like foundation ceremony of the College etc. The former faculty members are also invited as resource person in the technical session of the seminar organized by the College.

Any other relevant information regarding Student Support and Progression which the college would like to include.

Nil

CRITERION-VI: -GOVERNANCE, LEADERSHIP & MANAGEMENT

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

The vision and mission of the college are:

Vision

- To make The Government Science College, Chatrapur as an academic and Research hub with all platforms to expand the Educational activities.
- To develop the college into an Educational institution with a sufficient academic, administrative and infrastructural facilities for students and staff members of the college.
- To establish a second campus for expanding and upgrading infrastructural capacities.
- To make accessible all sources of knowledge either academic or non-academic to all students.
- To facilitate placement of students in different sectors.
- To promote skill development activities for the students.
- To reach out the unreached youth population and empower them with need oriented and value-based education.
- To give them training to become partners of National Development Process.
- To emerge as a globally recognized college with state-of-art infrastructure for disseminating knowledge.
- To provide a unique platform for learning that will best serve the society at large.
- To focus on adherence to social commitment in order to effect purposeful social transformations.
- The college will start new faculties, departments, centers and start new Post-Graduate Courses and initiate research in some of these core areas.

Mission and broad objectives

- To serve the needs of woman, minority, disadvantaged and disabled students.
- To provide leadership set policy and advocate for positive transformation in student's life.
- To provide a wide variety of educational, training, research to meet the personal and professional needs of the students.
- To import quality education to meet the national and global challenges.
- To provide access to all sections of society to pursue higher education.
- To promote the use of ICT Tools in teaching and research.
- To inculcate right values among students while encouraging.
- To nurture and develop the talents of students and to create applicable knowledge in order to support social and economic advancement.

- To provide quality higher education with emphasis on educating the public by offering respected, relevant, accessible and affordable, student-focused programs.
- To prepare students for service and leadership in a diverse cultural base like India.
- To promote moral values for building national and humanist character.
- To develop the critical analysis ability to comprehend conceptual issues along with foundational rational insight into different domain of human knowledge and activity.
- To prepare the candidates for different competitive tests with respect to their part concerning reasoning ability of different sorts.
- To make higher education more accessible to people particularly living in remote areas.
- Stimulating creative thinking and dynamism.
- To develop healthy mindset of students.
- To provide opportunity to demonstrate their true potential.
- To awaken mental inspiration and to cheer them up to higher mentality.
- To give students a sense of civic duty and disciplined way of life.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality, policy and plans?

The college is controlled by the DHE Odisha. The college follows the guidelines and instructions laid down by the DHE Odisha. The DHE Odisha does recruitment of teaching and non teaching staff, allocation of funds, remuneration to staff, admission schedule and process, etc. for the college. The Principal has a central role for all correspondence with the management. The Principal is the administrative Head of the college. The Academic Bursar coordinates the execution of all the academic activities. Heads of various Departments synchronize regular administration of the Departments. Principal and faculties of the college develop and execute the plan of academic curriculum. In order to maintain and enhance the quality, different programs are designed and implemented through different committees at college as well as at department level.

6.1.3 What is the involvement of the leadership in ensuring:

- i. The policy statements and action plans for fulfillment of the stated mission.
Principal and different committees develop the plans and programs within the purview of stated mission and objectives.
- ii. Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan. Formulated plans are executed through heads of different department and administration level.
- iii. **Interaction with stakeholders.**
Regular meetings are organised with administration and teaching staff, administration and non-teaching staff and administration and students ‘union to ensure smooth conduct of college curriculum.

- iv. Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.
College infrastructure and funds are provided to conduct meeting and event with stakeholders

V. Reinforcing the culture of excellence.

In order to enhance culture of excellence, teaching faculties are instructed to interact regularly with students, try to counsellng them and to develop their skills. Teaching faculties are motivated to participate in different workshop and seminars to sharpen their research abilities.

- vi. Championing organizational change.

From every academic and non academic department, experienced persons have been selected as key persons to support different college events, programs and responsibilities. Their proper training is also ensured at the management level

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

At the beginning of the academic year, various duties and roles are assigned to the officers as Secretary of Staff Council and Staff Club, Administrative Bursar, Accounts Bursar, Academic Bursar etc. Principal of the college with the consultation of staff council and administrative bursar different committees are formed for examination, college election, admission, UGC, NAAC, RUSA, IQAC, Development, Furniture, Purchase, Library, Public Information, Scholarship, College Magazine, College Calendar, College Timetable, Discipline, Anti-ragging, Minority, Women Harassment and Redressal, Student Grievances and Redressal, Career Counselling, NSS, NCC, Youth Red Cross, Rovers and Rangers, etc.

The Principal, HODs and respective OIC of the committee evaluate framed policies and plans regularly and corrective measures, if required, are taken and executed.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The academic leadership is provided to the faculty by way of establishing numerous committees and cells in the college. In general following committees and cells are formed every academic year:

- (1) Development Committee
- (2) Purchase Committee
- (3) Library Committee
- (4) Discipline Committee
- (5) Promotion of Research and Seminar activities Committee
- (6) UGC Committee
- (7) NACC Committee
- (8) Drama/Debate Committee
- (9) NCC- Army and Naval Wing
- (10) NSS

- (11) Youth Red Cross
- (12) Anti Ragging Cell
- (13) Women Harassment and Redressal Cell
- (14) Student Grievances and Redressal Cell
- (15) Career and Counselling Cell.

6.1.6 How does the college groom leadership at various levels?

The College's different committees and cells are formed with the help of experienced faculty members and young faculty members. The combination of the experienced and young faculties creates dynamic leadership at various levels. Students' Union Council consists of elected representatives of students of the college. The College also grooms leadership in students through NCC, NSS, Youth Red Cross, via regular training and programs.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

Operational autonomy is given to the various departments and committees to administer the college curriculum. The College administration is decentralized and functioning in following manner:

- Principal is the internal sanctioning authority of the finance of the College.
- The administration frames the policies for smooth running of academic activities.
- The Head of Departments execute and monitor the different and academic and administrative programs.
- The several committees and cells in consultation with the Principal take its own decisions regarding various co-curricular, extra-curricular and extension activities.
- Official activities are under the control of the establishment section of the college.
- Student Union Council takes care of the affairs of the students and brings it to the notice of competent authority.
- HODs propose the requirement of the department to the competent authority of the college and they are also empowered to regulate various departmental acitvities.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

Yes, the College promotes a participatory management culture in all activities and programs of the college.

6.2. Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, the College has a formally stated quality policy, mentioned in the vision and mission statements of the College. The Principal in co-ordination with staff and council designs the various strategies to accomplish the quality policies regularly. The Principal, secretary of staff council and staff club, administrative bursar,

academic bursar, teaching staff, librarian, student representatives from the Students' Union are involved in the quality activities making process.

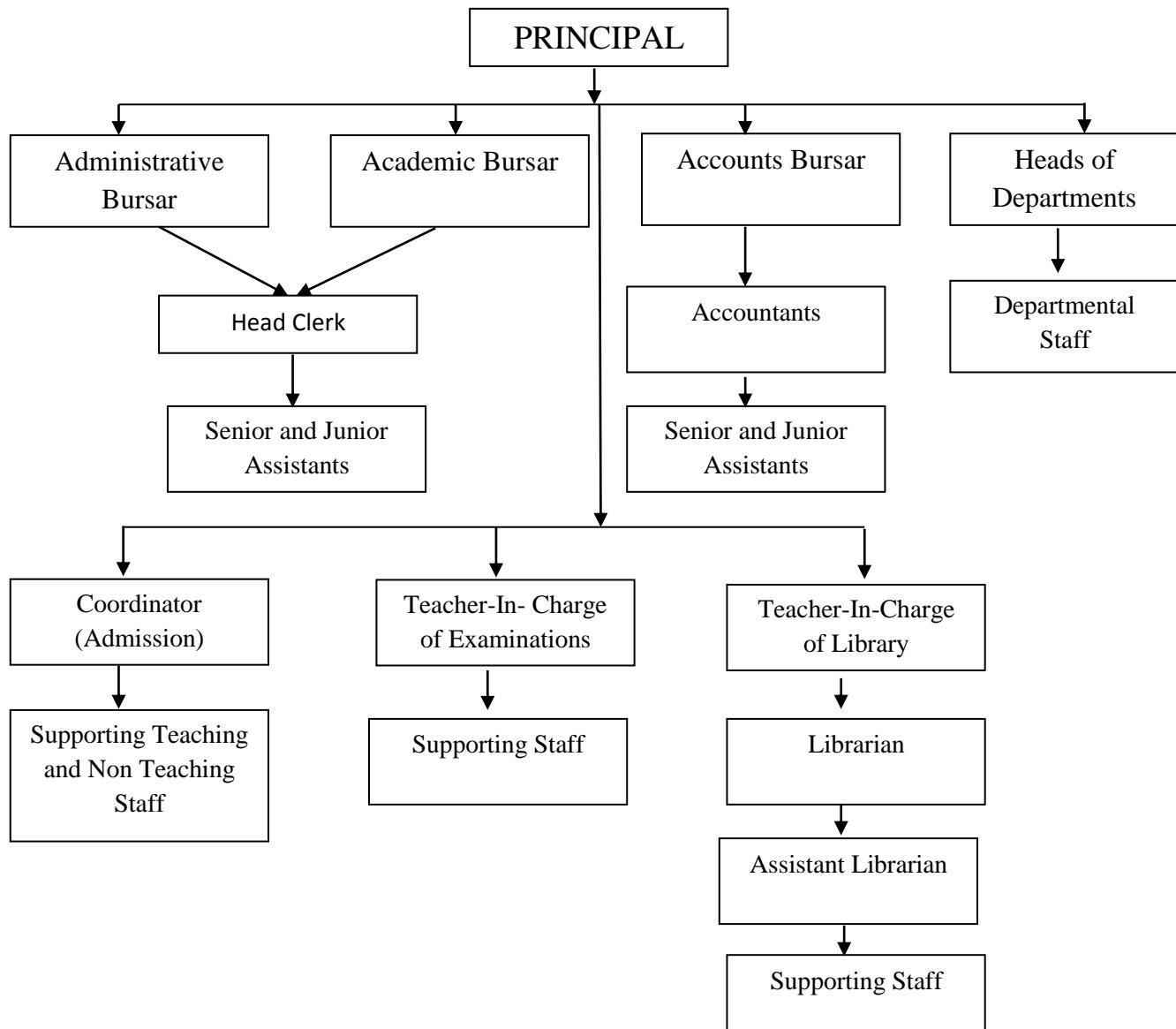
6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, the College has a perspective plan for development. The major plans are:

- A. To get autonomous status from the UGC
- B. To construct hostels for boys and girls
- C. To Convert Existing buildings into disabled friendly buildings
- D. To construct more classrooms, library and laboratory facilities
- E. To acquire more ICT tools and use it in teaching-learning processes
- F. To make entire campus equipped with Wi-Fi
- G. To achieve the Student teacher ratio of 1:15
- H. To acquire the Teaching to Non-Teaching ratio of 1:1.1
- I. To construct additional building for Science Department
- J. To construct staff quarters and Principal's quarters

6.2.3 Describe the internal organizational structure and decision making processes.

Internal Organizational Structure:



Decision Making Process:

As it is a Government College, all external major decisions such as annual budget allocation, teaching staff and non-teaching staff recruitment, physical infrastructure development, student support and welfare scheme are managed and controlled by the Department of Higher Education, Government of Odisha in consultation with the Principal.

The internal decision-making process is participatory in nature. The members of different committees use various data and information obtained from the feedback from students, HODs, faculties and other stakeholders in decision-making. In case of important matters and issues the Principal calls for meeting to discuss on the subjects and makes final decision. The decisions are then circulated to all concerned stakeholders for implementation.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following- a) Teaching & Learning b) Research & Development c) Community engagement d) Human resource management e) Industry interaction.

The quality improvement strategies of the College in teaching & learning, research & development, community engagement, human resource management, industry interaction are described broadly as under:

Strategies to improve the quality of Teaching & Learning process:

- To bring transparency in the admission process through the publication of selected admission merit list in the College notice board before the commencement of admission.
- To organise induction classes for newly admitted students in order to provide them various vital information about the courses, the department and the college.
- To organise special classes for weaker students for their understanding to be enhanced.
- To facilitate modern means for learning like smart classrooms, projector, well-equipped laboratories with lab assistants, well-stocked library with reading room etc.
- To motivate faculty members for seminars, orientation programmes, refresher courses, etc.

Strategies to improve the quality in Research & Development:

The College has a Research Committee. The committee performs following functions:

- To encourage faculty members to submit research projects to various funding agencies; to publish quality research books, research papers in refereed journals.
- To motivate faculty members to organise state/national level seminar/ workshop/conference /symposium.

- To invite eminent scholars and speakers for delivering talks/ extra mural lectures.
- To promote students to attend the seminar, workshops and training programs.

Strategies to improve the quality in community engagement:

The College has active NSS unit, NCC army wing and naval wing, Youth Red Cross unit, Rovers and Rangers unit. The units have its own calendar on thrust areas in which different extension activities are organized in and outside the College campus. The students are engaged in different community oriented activities throughout the year. The NSS unit conducts various awareness campaign and programs in collaboration with different organizations like RRC, NACO, The NCC army and naval wings participate in various state level and regional level parades and special camps which are designed to develop capacity among students to meet emergencies and natural disasters. Faculties and students are encouraged to participate in various seminars and discussions related with current societal problems and their roles and responsibilities in society.

Strategies to improve the quality in human resource management:

To improve the quality of human resource of the college, following initiatives are taken:

- Encouraging faculty members to attend various Faculty Development Programmes.
- Providing UGC pay scale to teachers with annual increments and promotion to the faculty as per UGC norms.
- Initialising Self-Appraisal Reporting system for faculty members at the time of promotion and increment in grade pay.
- Promoting students to attend seminar/symposium/workshop/ invited lectures in order to enrich them.

Strategies in industry interaction:

For keeping update student with the industry practices, different professionals are invited, visiting different industrial places with teachers and short videos related to modern developments are shown.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Principal, head of the institution, and different committees collect the feedback from teachers, students and other stakeholders regarding the quality of teaching, curriculum, extracurricular activities and infrastructural demands. In the formal meeting of the Committees the information gathered from different

sources are discussed. As per the discussion and deliberation, the existing facilities and activities of the institution are reviewed and decisions are taken for further plan and action. Information are compiled and recorded on these regards and addressed.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

Though it is a Government college, DHE Odisha involves teaching members in its various training and orientation programs in order to enhance their ability to perform institutional jobs comprehensively. Apart from that at college level, teaching staff are encouraged to participate in various workshops, training programs, seminars etc., to sharpen their skills in all respect.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Department of Higher Education, Odisha takes and implement the resolution for the college. Last year, resolutions to initialise Wi-Fi in entire campus, to acquire land for Boys Hostel and construction of new science building in the campus have been passed. The necessary steps are being taken for all above resolutions.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

No

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

At college level two cells are formed to handle the complaints/ grievances. These are Students' grievance Redressals Cell and another is Women Harassment Redressal Cell. The Students' grievance redressal cell is headed by a senior faculty member. Additionally, the students may directly lodge complains to the Principal through the Students' union or individually in writing. The Grievance Cell and the Principal listen carefully the complaints of the students and take necessary actions to resolve the grievances effectively. There is another cell a Women Harassment Redressal Cell" to resolve issues pertaining to sexual harassment, comprising of six lady faculty members. The cell properly considers the complaints, analyse the different factors, discuss with principal and experienced persons and accordingly suitable actions are taken in this regard.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No, during the last four years there has been no court cases filed by and against the college.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the outcome and response of the institution to such an effort?

To collect the feedback from the students, a feedback form is filled in by the students. These forms are analysed first at departmental level by respective faculty members and then findings are discussed among principal and academic bursar with senior faculty members from the concerned departments. At last, important decision is made in order to improve the quality and effectiveness of the institutional performance.

6.3. Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

In order to develop the professionalism in teaching and non teaching staff, they are encouraged to participate regularly in staff development programs, faculty development programs, orientation programmes, refresher courses, seminars, workshops, conferences, training programs on automation, etc.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

The strategies adopted by the College to empower faculty members are:

- To encourage them to attend Orientation Programme, Refresher Courses, Seminars, Workshops, Conferences, Symposium, and short-term training.
- In order to attend the different programs duty leave is also permitted to them.
- To motivate them to send proposal for research project/individual research to the funding agencies, like UGC etc.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

As per the direction of the Directorate of Higher Education, Odisha, every faculty member has to submit Performance Appraisal Report every year in which he/ she needs to show work-load, participation in various seminars, conferences, workshops and symposia and his/ her active involvement in co-curricular, extra-curricular activities etc. The Reports are evaluated confidentially by the Principal and then are sent to the DHE for approval. The College also appraises the performance of its non-teaching staff at the time of promotion recommended by the Principal and approval by the DHE.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The submitted Performance Appraisal Report (PAR) by the teaching staff is reviewed by authority and then forwarded to the higher authority for future

course of action. Promotion and new grade pay are based upon the PAR approved by the higher authority. Decisions are communicated to the appropriate stakeholders in case of adverse remarks.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The various welfare schemes are available for teaching and non-teaching staff. These are Government Loan facilities, Group Insurance Scheme, Vehicle Loan, Education Loan, Health Insurance, House Construction Advance, Reimbursement of Medical Scheme and Festival Advance for Class III and Class IV employees, Group Provident Fund etc. Leaves are also provided to them. Some of leaves are Casual Leave, Earned Leave, Maternity Leave, Academic Leave, Study Leave etc. Such benefits almost all staff have availed during the last four years.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

To attract and to retain the eminent faculty, Institution has no role to play as it is controlled by the State Government.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Accountant General of Government of Odisha monitors and ensures the effective and efficient use of allotted financial resources to the college.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Regarding the internal audit, the fund sanctioned by various agencies like UGC is audited by the Chartered Accountants. So far as external audit is concerned, a periodic audit is conducted by Accountant General of Government of Odisha. In the last audit, internal and external, no objection was reported.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of receipts/funding of the College are:

- DHE Odisha
- UGC Grant
- Tuition Fees
- Other Fees

Income Statement

Particulars	2011-12 (Rs)	2012-13 (Rs)	2013-14 (Rs)	2014-15(Rs)
Salary	02,47,03,373	02,18,53,691	01,82,09,872	02,02,88,680
Non-salary	01,86,243	10,30,544	08,66,584	19,41,285
Books	18,000	18,000	20,000	13000

Expenditure Statement

Particulars	2011-12 (Rs)	2012-13 (Rs)	2013-14 (Rs)	2014-15(Rs)
Salary	02,47,03,373	02,18,53,691	01,82,09,872	02,02,88,680
Non-salary	01,86,243	10,30,544	08,66,584	19,41,285
Books	18,000	18,000	20,000	13000

During the four years, there was no deficit occurred.

- 6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

NA

6.5. Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a) **Has the institution established an Internal Quality Assurance Cell (IQAC)? If ‘yes’, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes? –**

Yes, the college has established an Internal Quality Assurance Cell (IQAC)
Following is the composition of the same:

Composition of the IOAC

Dr. Pramod Kumar Dwibedi:	Principal
Dr. Ajay Kumar Tripathy:	Coordinator
Sri K. C. Ray:	Member
Dr Amit Verma:	Member
Dr Pratyush P. Mohapatra:	Member
Dr Sujata Mallick:	Member
Dr Sarita Das-Mohapatra:	Member
Dr Rojita Mishra:	Member
Sri Rabindra Kumar Das:	Member, Retd. Principal (Educationist)
Er. Ramachandra Pattnaik:	Member, Industrialist

The college has established IQAC for the quality assurance in curricular aspects, teaching, learning and evaluation process, research, consultancy and extension activities, infrastructure and learning resources, student support and progression, governance, leadership and management and innovation. Keeping

in view the stated aspects, different policies are designed at college level and the same are executed with utmost care. Periodical review of the policy provides the gap between actual result and desired result. This gap is filled with newer policies and strategies.

b) How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?-

Recommendations by the IQAC have been sent up and it is under the process of approval.

c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.-

There are two external members in the IQAC Committee. Please refer to section 6.5.1.(a).

d) How do students and alumni contribute to the effective functioning of the IQAC?-

Students play a vital role in assuring academic quality in the college. They actively attend the lecturer and participate in discussion regularly. They approach to the teachers for the doubt clearing. The students also approach to either head of the department or the principal directly for the redressal of their problems. IQAC is conducting regular meetings with the Alumni association. The students and alumni members offer positive suggestions for improving the functioning of IQAC.

e) How does the IQAC communicate and engage staff from different constituents of the institution?-

IQAC offers suitable suggestions to the head of the college to incorporate in education and curriculum policy. With the consent of head of the college different decisions are communicated through various committees and competent staff members are engaged with the consultation of academic bursar and HODs.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalization.

Yes, the academic and administrative activities of the college are based on the directives of Directorate of Higher Education Odisha and Berhampur University Berhampur and Khallikote Cluster University, Berhampur.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

Yes. The college ensures that the suitable actions based on the findings of the IQAC will be accepted by the Academic management of the college. For effective implementing the Quality assurance procedures, respective members are to update themselves through seminar, orientation programs, workshops, interaction with senior faculties.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?

Yes. Progress report is prepared by each faculty and submitted to the Principal. The Principal monitors the academic progress through the report and physically visits the department to vouch the progress via dialog with the students. If any discrepancy is found, the necessary action is taken with the consultation of the academic bursar.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

In the case of the college the external regulatory authority is the affiliating university i.e. Berhampur University. The college compliances with the directives of the university and maintains its internal quality assurance mechanism.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The college has instituted the mechanism to continuously review the teaching learning process. It is enumerated in following manner:

Structure	<p>Interaction and meeting :</p> <ul style="list-style-type: none"> – Principal Academic Committee and HODs – Principal and Examination Committee – Principal, Academic and Routine Committees – Principal and Students’ union – Principal and Library Advisory Committees – HOD and teaching staff (department level)
Methodologies of Operation	<ul style="list-style-type: none"> – Academic Committee monitors the teaching learning curriculum. – HODs monitor the concerned departments activities via the interaction with students and teachers, internal assessment and University examination – Examination Committee assists in smooth conduct of all internal assessment and university examination. – Routine Committee prepares class schedule of the departments – Class representatives describe problems directly to the notice of the Principal and HOD – Library Advisory Committee pays attention on improvement of the library services

Outcome	<ul style="list-style-type: none"> – Effective learning environment in every department – Motivated teaching members – Coordination among the departments – Attentive students – Participative culture developed – More use of modern tools of teaching
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6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders? Any other relevant information regarding Governance Leadership and Management which the college would like to include.

The college communicates internal stakeholders mainly by circulars, notice boards, college website, academic committee, various meeting among Principal, HODs, teaching staff, non teaching staff and students. On the other hand, external stakeholders are communicated through events, functions, programs, college website and meeting.

The college has a governing body. The District Collector is the Chairman of the Body. Other members are the University nominee, one govt. nominee, local MLA, two local persons of reputation & two senior staff members. The governing body also meets time to time and provides directions and suggestions to the college administration on issues relating to planning, governance & implementation.

CRITERION-VII: INNOVATION AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes, the Institute is conducting green audit for its campus since last two years. Despite its small campus and less impact on environment, Green audit activities are practised to inculcate good practices among the students and staff members. Like every survey, a baseline data on biodiversity and various environmental parameters has been generated by the faculties of Biological sciences involving the students during 2014-15 academic years. The survey report identified thrust areas in need of improvement. The assessment provides students with valuable hands-on learning opportunities and a real sense of benefiting their local and global communities. The college authority takes all measures to maintain a healthy, eco-friendly and green environment in the campus. The developmental works in the college are planned, without damaging much to the existing tree cover. The thrust areas of green audit of this campus are listed below.

- **College administration and Policy**

The college administration has advised all the stakeholders of the college to contribute towards making use of most of the vacant spaces for plantation of native species, as far as practicable. This work has been undertaken by the NSS, NCC and individual staff of the college.

- **Education**

In the under graduate curriculum, Environmental studies is a compulsory subject to make aware every citizen about the environment. The students and the staff members are also made aware about effective management of our environment through celebrating environment related days and also environment related matters .

- **Purchasing policies**

The college sticks to eco-friendly principles in purchasing of new goods. As far as practicable, recycled and eco-friendly goods are purchased. Strict instructions have been given by the college authority not to use polythene packets which are prone to create environmental pollution. Also we see to consume less paper in order to avoid unnecessary wastage.

- **Built environment**

The college authority is very much careful during infrastructural development to avoid unnecessary cutting of trees.

7.1.2. What are the initiatives taken by the college to make the campus eco-friendly?

As mentioned in the previous section, the college authority takes all measures to make the campus eco-friendly. The following initiatives are practiced

- **Energy and water conservation**

All the stakeholders of the college are aware about the importance of electric energy and water. It has now become a practice of most of the staff members to conserve energy as far as practicable. The college authority and senior faculty members are very much vigilant towards this and have successfully controlled unnecessary consumption of electricity. This practice has also been inculcated in to the minds of the students. Similarly the students and staff members are equally conscious about water conservation. The waste water is used for watering the plants in the garden and that of the Air-conditioner is used to water the flower pots in the corridor. Local students are encouraged to use bicycles instead of motor bikes to ensure a pollution free campus. Similarly students coming from far-off places are encouraged to come by public transport.

- **Use of renewable energy:**

Proposals are sent to Government and other Private sector agencies to install Solar power plant in the campus.

- **Water Harvesting:** The College is situated close to a very large water body, the Tampara Lake, for which the water table is very high. Also due to shortage of area, no water harvesting structures are made. However, there are two water storage tanks in the college premises and the water is used for the gardening and ground water recharge.

- **Check-dam Construction:** There is no need of Check-dam construction in this college.

- **Efforts for Carbon Neutrality:** The following initiatives have been taken to reduce carbon footprint in the college campus.

- **Plantation programmes**

The NSS & NCC units of College organize awareness programmes on global warming, Green environment, and acid rain. Also the forest department is kind enough to maintain the plantation in the college.

The Botany department of the college takes the charge of maintaining botanical garden & medicinal plants.

- **Hazardous waste Management**

The college produces very less non-biodegradable waste. The wastes are dumped in the designated dustbins and are cleared every week by the NAC staff. Biodegradable wastes are dumped in the compost pit at the back side of the college and the compost is utilized as manure. Hazardous wastes of Chemistry and zoology department are disposed underground for the time being. The sweeper of the college takes all necessary safety/ precautionary measures while handling waste materials. The college authority is also trying its level best to make the college campus a polythene free zone. The outdated electronic appliances are sold as scraps to outside agencies as per Govt. directives. The college authority organizes Swachha Bharat Abhiyan almost every month to keep the college campus clean.

- **E-waste Management:** Electronic gadgets are repaired and used as far as

practicable. Other e-waste are kept in the store room for proper disposal.

7.2. Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

A number of innovative practices have been initiated in the college during the last four years.

Innovations in students support system:

- Grievance redressal cell, Anti ragging Cell, RTI Cell and Anti-Sexual Harassment Cell have been constituted in the college to look into the problems of students.
- The placement cell constituted in the college helps the students in getting placement in various sectors.
- Self-defense training for girl students was organized and 150 girl students were trained by self-defense instructors.

Innovations in teaching learning process: The College is an affiliated constituent of Berhampur University. Hence, in matters relating to introduction of curriculum, it follows the curriculum prescribed or modified by the University from time to time. Furthermore, the college is currently affiliated to Khallikote Cluster University since 2015-16 and is following the curriculum of CBCS as developed by KCU.

In teaching learning process some of the innovative practices followed in the college are as follows.

- Use of field oriented practical classes.
- Use of ICT materials, OHP and LCD Projectors in the colleges for teaching.
- The curriculum making body of the university is provided with adequate feedback time to time by the college in the form of suggestions to revise or update the syllabus keeping in mind the needs of the changing times.
- Internet connectivity to all science departments to facilitate web-based learning.
- Industrial awareness among students by the way of field and industrial visits.
- Organization of personality development programmes to improve soft skills of the students.
- Encouragement of students to use power point presentation during seminars.

Innovations in examinations and evaluation process:

Apart from normal class room teaching, regular class tests, unit Tests and doubt clearing classes are conducted to facilitate continuous evaluation and assessment of students' performance.

Innovations in Research, Consultancy and Extension:

The college authority encourages all the departments for innovation in research and extension activities and supports in the following ways. There is also a committee for Promotion of research activities and Seminars to encourage faculties and students to do innovative and basic research. The college authority encourages faculties to attend various Regional, National and International Conferences and Workshops. Thrust has also been paid to publish research articles in reputed journals. The Committee for Promotion of research activities and Seminars reviews the progress of each faculty.

Innovations in infrastructure:

The College has developed a number of infrastructural innovative in recent past.

- Computers have been provided to different departments of the college to facilitate the teaching and learning process.
- Arrangements have been made for smart teaching rooms in the science department.
- The library is well maintained and well equipped. The library houses a number of rare and valuable books to cater to the needs of the students as well as members of the staff. Steps have been taken for library automation.
- Initiatives have been undertaken to make the campus green and eco-friendly.

7.3. Best Practices:

7. 3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best practice - I

1. Title of the practice-Survey and monitoring of Biodiversity inside the college campus.

2. Goal: The objectives of the practice are to document survey and monitor the Biodiversity status of the college campus. Biodiversity is the total amount of species varieties available in a particular region which is highly essential for the survival of human beings and its better growth in terms of ecological context. This

practice mainly aims in the green audit of the campus and simultaneously it has taken few steps for plantation during Vanamahotsav.

3. The context: This place is highly prone to natural calamities. Since last three years as consequences of this, many changes have taken place in the natural habitat of plants and animals. This affects the flora and fauna of this region. A group is encouraged for actively participating in the documentation and survey of the campus since last three years. We are monitoring regularly about the biodiversity of college campus and best steps have been taken to maintain its biodiversity. Identification of organisms were done by the experts from the biodiversity board and species were preserved in the form of museum specimens and herbaria for future reference.

4. The practice: A number of good practices is adopted by the college to survey and monitoring of biodiversity inside the college campus. These are:

- Photographs were collected during survey by students with the guidance of faculty members
- Quadrat studies were conducted to find the ecological distribution of species
- Identification of plants and animals species was confirmed by local experts of biodiversity board and they are preserved in the form of herbarium and specimen.
- Awareness among the students was developed by conducting seminars and smart classes related to importance of biodiversity.
- Plantation of various native species was carried out inside the college campus during Vanamahotsav to compensate loss during Phailin and Hudhud.
- New disease specifically fungal, bacterial and viral disease that is destroying the inhabitant flora and fauna is monitored which is very important in the conservation of the endemic fauna and flora.
- A repository of herbarium is maintained inside the botany department.
- A good collection of museum specimen are deposited and maintained in Zoology department.
- Soft copy of the photographs was maintained inside the Biology Department for future reference.
- *Hydrilla* and aquatic plant species are kept inside the college premises in a pond.

5. Evidence of success-

- There are three reports having 170 species of plants and 230 species of animals documented.

6. Problems encountered and resources required-

- The infrastructure and man power are inadequate to implement all the plans and programmes.

7. Notes –

- Steps to be taken for inculcation of knowledge regarding the importance of Biodiversity and conservation of local flora and fauna.

Best practice – II

1. Title of the Practice- Inculcation of knowledge among the rural school and colleges for promoting science education and higher education

2. Goal- The primary objective of this practice is to bring about an awareness in the society for promoting higher education .This practice also helps in inculcating knowledge among young mass to increase interest in Science .

3. The Context- In modern times it is observed that due to poor fund of knowledge of existing society towards science education and higher education in neglected area, for which the educated youth of today has been facing many problems. Hence, the need for counselling among school students and conducting popular lectures in the rural schools of nearby places of Chatrapur and Ganjam is highly necessary. To cater to these needs, special visit programmes are conducted by students and faculty members to different primary and upper primary schools which encourage school teachers to impart quality knowledge to children for higher education and to make science as a career.

4. The Practice- A number of good practices has been introduced in the college for inculcation of knowledge among the rural school and colleges for promoting science education and higher education

These are:

- Good communication and interaction among the faculty members and students
- Local language is usually used while delivering popular lecture
- PowerPoint presentations and printouts are given to students for future use.
- Students are counselled for developing analytical skills in their thinking process.
- They are encouraged to read and write fictions related to science.
- College teachers regularly visit to about 30 schools in and around Chatrapur and Ganjam for developing good education practice and utilisation of higher education system and science education.

5. Evidence of Success-

- Some of the students are in regular touch with the faculties
- Photographs are documented as evidence of proof.
- Appreciation letters are given by principal of the schools as a feed back for the success of the programme.

6. Problems encountered and Resources required-

- Less number of faculty members and lack of time are the main constraints
- Some funds should be sanctioned by government or academy of science to increase interest in science

7. Note-

- The College motivates the students to have increased involvement and participation in the higher education and science education.

Part-III

Evaluative Report of the Department of Botany

- 1. Name of the department:** Department of Botany
- 2. Year of Establishment:** 1970-71
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** U.G. (BSc, Honours)
- 4. Names of Interdisciplinary courses and the departments/units involved:** NA
- 5. Annual/ semester/choice based credit system (programme wise)**
 - BSc first year (2015-16): CBCS, semester system
 - BSc second year and final year: Annual system
- 6. Participation of the department in the courses offered by other departments**
 - Environmental studies for BCom and BA
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA**
- 8. Details of courses/programmes discontinued (if any) with reasons:** Nil
- 9. Number of teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	Nil
Assistant Professors/ Lecturer	3	1

- 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.)**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Dr Rojita Mishra	PhD	Lecturer	Botany, phyto-chemistry and Plant Biotechnology	2	5	Nil

- 11. List of senior visiting faculty:** Nil
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Nil
- 13. Student -Teacher Ratio (programme wise):** 96 :1(Hons.)
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Sl. No.	Name of the post	Sanctioned	Filled
1	Demonstrator	2	1
2	Asst store keeper	1	1
3	Mechanic	Nil	Nil
4	Lab Attendant	1	1

- 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:**

- Dr Rojita Mishra, M.Sc., M.phil, PhD

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

Publication per faculty: Dr. Rojita Mishra

- Number of papers published in peer reviewed journals (national / international) by faculty: 16
- Number of publications listed in International Database: 14
- Monographs: Nil
- Chapter in Books: 1
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: 1
- Citation Index: 7
- SNIP: Nil
- SJR: Nil
- Impact factor: 4
- h-index: 1

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

- a) National Committee: 2
 - i. Odisha Botanical Society
 - ii. National society for medicinal and aromatic plants
- b) International Committees: Nil
- c) Editorial Boards: Nil

22. Student projects:

- Percentage of students who have done in-house projects including inter departmental/ programme: 100% of our students carryout in-house projects for their practical session.
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students :

G C Satpathy memorial award for securing highest mark in M.Sc First year

24. List of eminent academicians and scientists / visitors to the department:

- Dr. S.K.Dash
- Dr.B.K.Mohanty
- Dr.Swetapadma Dash
- Dr.Satpal Singh Bisht

25. Seminars/ Conferences/Workshops organized & the source of funding:

- a) National: Nil
- b) International: Nil

26. Student profile programme/course wise:

Name of the course/ programme	Applications received	Selected/ Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading of Biological science as in KCU rules.	63	45	19	NA

27. Diversity of Students:

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
Botany (Hons.)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. : Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	50 %
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	NA
• Other than campus recruitment	10 %
Entrepreneurship/Self-employment	40 %

30. Details of Infrastructural facilities

- a) Library: A seminar library is functional in the Department with more than 60 books.
- b) Internet facilities for Staff & Students: Staff and Students use Computer and internet service available in the common Computer Lab.
- c) Class rooms with ICT facility: Special classes are taken in the language lab and smart room which are equipped with projector and other modern teaching aids. For teaching, faculty use chats, pictorials, videos and other teaching aids such as different specimens to teach students
- d) Laboratories: One

31. Number of students receiving financial assistance from college, university, government or other agencies:

All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.) and Differently abled students of the department receiving financial assistance from the state Government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

All the students are delivering seminar talk which is mostly attended by external experts.

33. Teaching methods adopted to improve student learning:

Teacher assists students both curricular and out of the curricular activities. For this purpose, the teacher, during the normal classes describe the importance of the topic in different areas. The teacher also takes the help of various teaching aids and modern technology to teach students. Students are

advised and encouraged to use internets to go more deep in the subjects. They are also motivated to give seminar talks to improve their critical learning approach. The department also arrange special invited talks for the interaction of students with the expertise personnel.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The faculty members are actively involved in delivering lectures in the nearby schools and villages

35. SWOC analysis of the department and Future plans

Strengths: The present faculty of department is a doctorate who has completed her PhD in plant biotechnology. The department has good academic records previous years. Now the number of seats has been increased in present session.

Weakness: Lack of senior and experienced of faculty members, improper space for laboratory facility is the two major weakness of the Department.

Opportunities: We prepare our student to compete with the world by giving them special attention for participation in national level exams such as IIT JAM, JNU entrance Exam, other exams conducted by central universities for exploring good opportunities in higher studies.

Challenges: Major challenges faced by our department is Low standard of students .This is really a very difficult task to counsel them and to motivate them for higher studies in Science. Second challenge is to make them capable enough for facing national competition at each level.

36. Publications and other details of faculty: Dr. Rojita Mishra

a) Publications:

1. **Mishra .R**, 2006. In vitro propagation of *Asparagus racemosus* with reference to its therapeutic properties in cardio vascular abnormalities, Plant Sc. Res.vol.28 (1&2):42-45.
2. **Rojita Mishra** and Satpal Singh Bisht, (2011).Antioxidants and their characterization. Journal of Pharmacy Research. Vol.4 (8)2744-2746. ISSN: 0974-6943.
3. Satpal Singh Bisht, **Rojita Mishra**, Koustava K Panda,AmritaKumari Panda, B .Praveen and AjitRoutray (2011) Phytoremediation studies on coal mine waste and coal fly ash by Leucaenaleucocephala. International Journal of Bioscience, Biochemistry and Bioinformatics. (4) 252-255, ISSN: 2010-3638.
4. SatpalBisht , **Rojita Mishra**, Amrita Panda ,B.Praveen ,Koustava Panda and TriptiSahu (2012) Evaluation of indicator and antioxidant activity of hybrid rose (*Rosa hybrida*). Journal of Pharmacy Research,Vol.5(1)428-429. ISSN: 0974-6943.
5. Satpal Singh Bisht, **Rojita Mishra** and KasturiKumari (2012) Antimicrobial and free radical scavenging activity of Chamomile flower, essential oil. Asian Journal of Pharmaceutical Sciences and Health sciences. Vol.2 (1)283-285.ISSN: 2231-234xs.
6. **Rojita Mishra** and Satpal Singh Bisht (2012) Medicinal values of skunk vine (*Paederiafoetida L.*)-An Overview. E-Planet, Vol.9 (1) 56-59.ISSN 0974 – 4398 / 2008
7. **Rojita Mishra** and Satpal Singh Bisht (2012) Characterization of few medicinal plants from southern orissa for their free radical scavenging property. Int J Pharm Bio Sci 2012 Oct; 3(4): (B) 669 – 675,ISSN 0975-6299.
8. **Rojita Mishra** and Satpal Singh Bisht(2014) Investigation on antioxidant potential of

Careya arborea. Proceedings of UGC-SERO – Sponsored National Conference on “Biodiversity, Environment Hazards –Therapeutic approaches and Drug Design ”pp 61-72. ISBN:978-93-84648-32-9

b) *Conference/ souvenirs/abstracts:*

1. **Mishra .R**, Panda.A.K, Bisht.S.P and Bodana.P, 2008, In vitro propagation and ex –situ conservation strategy for two medicinally important endangered herbs: *Asparagus racemosus*and *Boerhaavia diffusa* in the souvenir of National symposium on Plant Biotechnology for conservation characterization and crop improvement , pp.141
2. **Mishra .R**, Panda.A.K, Bisht.S.P and Bodana.P ,2008,*Investigation on in vitro propagation and ex- situ conservation strategy for two medicinal plants in the abstract* IVth National Interactive meet at CIMAP,pp.34.
3. **Mishra R.**,Bisht S.P.S,Panigrahy.A.K,2010,Genetically modified plants and food security : An overview, in the abstract of UGC sponsored national seminar on Application of animal and plant biotechnology for human needs, at Godavarismahavidyalaya, Banapur, Orissa. During 14th 15th Dec, 2010,pp78.
4. **Rojita Mishra** and Satpal Singh Bisht ,Free radical scavenging activity of few medicinal plants of the Ganjam district of Orissa, India In the abstract of the International symposium on genomics
5. **Rojita Mishra** and Satpal Singh Bisht ,Biochemical profiling of *Careyaarborea* for evaluation of antioxidant and antimicrobial activity in the abstract of 37th Annual conference of Orissa Botanical society and P.Parija memorial National conference on recent advances in Plant Biotechnology held at Ravenshaw university during 22nd and 23rd Dec,2012,pp51.(Oral presentation)
6. **Rojita Mishra** and Satpal Singh Bisht,Biochemical profiling of *CareyaarboreaRoxb*. For free radical scavenging properties in the abstract of National Conference on Exploring strategies for enhancement of secondary metabolites in Medicinal Plants held at University of pune during 13th -14th February,2013,p.29

c) *Seminars & workshops attended:*

1. Participated and presented poster in the National Symposium on Plant Biotechnology for conservation characterization and crop improvement & 29th annual meeting of plant tissue culture association (India) 8-10 February, 2008 at Department of Biotechnology, MohanlalSukhadia University, Udaipur, Rajasthan.
2. Participated in National workshop on Electron microscopy held at Burdwan University on April 8-11, 2008.
3. Participated and presented paper in the National Seminar on Biotechnology for human welfare & prosperity held on 22-23 rd March, 2009 at Hinjilicut Science College, Ganjam, Orissa.
4. Participated in the workshop on Bioinformatics in Genomics and Proteomics held from 9-10th October, 2009 at IIT,Kharagpur.
5. Participated in the National conference on sustainable production and utilization of medicinal and aromatic plants: Current trends and future prospects at Bhubaneswar, Orissa during 8th - 9th April, 2010.

6. Participated and presented a paper in the UGC sponsored national seminar on Application of Animal and plant biotechnology for human needs, at GodavarisMahavidyalaya, Banapur,Orissa.During 14th 15th Dec, 2010.
7. Participated a two weeks refreshers course from 28th Feb 2011 to 16th March 2011 on Advances in biotechnology by NIRRH, Mumbai and organized by National academy of Sciences of India.
8. Participated and presented a poster in the DBT sponsored International symposium on genomics of crops, medicinal plants and microbes, at Kerala University,. During 29 -31st May, 2011.pp51. (Won Best poster award).
9. Participated a two weeks WinterSchool for 8th -22nd August, 2011 on Plant Tissue Culture Applications in the UGC –Networking Resource Centre in Biological Sciences, MaduraiKamrajUniversity .Madurai.
10. Attended the workshop Advanced studies and hands on training on plant DNA fingerprinting organized by Bose institute Kolkata during 20th to 4th October,2012.
11. Attended the workshop on Molecular phylogenetics and evolution held from 26th to 28th Nov,2012 in the DBT-BIF centre,Departement of Biotechnology,MizoramUniversity,Aizwal sponsored by DBT,Govt. of India,New Delhi.
12. Attended the 37th Annual conference of Orissa Botanical society and P.Parija memorial National conference on recent advances in Plant Biotechnology held at Ravenshaw university during 22nd and 23rd Dec,2012.
13. Attended the National Conference on Exploring strategies for enhancement of secondary metabolites in Medicinal Plants held at University of pune during 13th -14th February,2013.
14. Attended National conference on “Biodiversity, Environment Hazards – Therapeutic Approaches And Drug Design-Behtdd”, 26th -27th July ,2014 and presented a paper entitled Investigations on Antioxidant potential of *Careya arborea*.

Evaluative Report of the Department of Chemistry

- 1. Name of the department:** Department of Chemistry
- 2. Year of Establishment:** 1970-71
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** U.G. (BSc, Honours)
- 4. Names of Interdisciplinary courses and the departments/units involved:**
Physics, Mathematics, English and Odia departments
- 5. Annual/ semester/choice based credit system (programme wise)**
BSc first year (2015-16): CBCS, semester system
BSc second year and final year: Annual system
- 6. Participation of the department in the courses offered by other departments**
 - a) Annual system : Industrial Chemistry as an elective course for BSc (Hons - Mathematics, Botany and Zoology) and Chemistry as an elective course for BSc (Hons - Physics)
 - b) CBCS System: Chemistry as Generic Elective for the all departments under science stream (Botany, Mathematics, Physics and Zoology)
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA**
- 8. Details of courses/programmes discontinued (if any) with reasons:** Nil
- 9. Number of Teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	Nil
Assistant Professors/ Lecturer	4	2

- 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.)**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Dr. Sujata Mallick	PhD	Lecturer	Catalysis	4	6	Nil
Dr Bishnu Prasad Kar	PhD	Lecturer	Spectroscopy	1	8	Nil

- 11. List of senior visiting faculty:** Nil
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Nil
- 13. Student -Teacher Ratio (programme wise):** 65:2 (Chemistry-Hons.)
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Sl. No.	Name of the post	Sanctioned	Filled
1	Demonstrator	2	1
2	Comp. Asst.	1	1
3	Laboratory attendant	1	1
4	Store Keeper	1	1
5	Peon	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

- Dr Sujata Mallick, MSc, PhD
- Dr Bishnu Prasad Kar, MSc, PhD

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

Publication per faculty: Dr Sujata Mallick

- Number of papers published in peer reviewed journals (national / international) by faculty: 22
- Number of publications listed in International Database: 22
- Monographs: Nil
- Chapter in Books: Nil
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: Nil
- Citation Index: 58
- SNIP: Nil
- SJR: Nil
- Impact factor: 27
- h-index: 5

Publication per faculty: Dr Bishnu Prasad Kar

- Number of papers published in peer reviewed journals (national / international) by faculty: 8
- Number of publications listed in International Database: 8
- Monographs: Nil
- Chapter in Books: Nil
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: Nil
- Citation Index: 38 (as per the Google Scholar)
- SNIP: Nil
- SJR: Nil
- Impact factor: 14
- h-index: 4

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

National committees b) International Committees c) Editorial Boards : Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/ programme: 100% of our student's carryout in-house projects for their practical session and seminars.
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students

Dr Sujata Mallick received the following awards and recognitions as follows:

- Assistant Professor in Regional Institute of Education, Bhubaneswar (August 2011-March 2014)
- CSIR-SRF, (May 2006-May 2010)
- CSIR-RA, (April 2011-July 2011)

Dr Bishnu Prasad Kar received the following awards and recognitions as follows

- JRF - Department of Atomic Energy
- SRF- Department of Atomic Energy
- PDF in IISER Mohali, India
- PDF in Ruhr-Universität Bochum, Germany

24. List of eminent academicians and scientists / visitors to the department:

- Dr. Panchanan Gouda, Reader and Head of Chemistry Department, Khalikote University

25. Seminars/ Conferences/Workshops organized & the source of funding:

- National: Nil
- International: Nil

26. Student profile programme/course wise:

Name of the course/programme	Applications received	Selected/Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading of Physical science as per university rules.	47	36	11	NA

27. Diversity of Students

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
Chemistry (Hons.)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. : Nil

29. Student progression:

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	Nil
• Other than campus recruitment	30%
Entrepreneurship/Self-employment	30%

30. Details of Infrastructural facilities

- Library: A seminar library is functional in the Department with more than 70 books.
- Internet facilities for Staff & Students: Staff and students use common computer lab.
- Class rooms with ICT facility: Special classes are taken in the language lab and smart room which are equipped with projector and other modern teaching aids. For

teaching, faculty use chats, pictorials, videos and other teaching aids such as molecular models to teach students

d) Laboratories: One

31. Number of students receiving financial assistance from college, university, government or other agencies: All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.) and differently disabled students of the department receiving financial assistance from the government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

All the students are delivering seminar talk which is mostly attended by external experts.

33. Teaching methods adopted to improve student learning:

Faculties take the help of teaching aids such as Molecular models, chats, pictorials, videos and modern technology etc. to make the student better understand. They regularly carry some class tests to evaluate the students' progress and treat differently the advanced learning students and the academically weaker students for their better performances. They also encourage students to take the help of internet and to search more books to understand the topic in deeper. They also advice the students to go through different topics of recent developments in Chemistry and Science and also to prepare sidewise for different competitive examination. The department arranges some invited talks of experts from different institutes, industries etc. to discuss with the students on recent topics and also on opportunities present after the course. In department-seminars, the students also deliver some beautiful talks on recent developments which help them to improve their critical thinking. The department is also planning to go for study tours to different industries and research institutes to increase their research tempers. The department faculties also planning to collect some research funding and help to keep the students' research temper alive.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The faculty members are actively involved in delivering lectures in the nearby schools and villages

35. SWOC analysis of the department and Future plans

- **Strengths:** Highly qualified teachers with good research experience are present in the department. A few students with very good academic records. Good Co-operation between staff and students.
- **Weakness:** Poor teaching lab facility. Lack of senior faculties. No such research lab. Most of the students are comes in the category of having weak and very weak academic strength.
- **Opportunities:** The department find the opportunities in the students to make them better in academic. As it is placed nearer to different Universities, institutes and industries, the department find a better opportunities to start research collaborations.
- **Challenges:** The College is situate nearly 2 kms away from the Bay-of-Bengal, which is more prone to the vulnerable calamities e.g. storm and super cyclone. These natural calamities and the saline environment has destroyed many of our lab facilities. It is very difficult to maintain the instruments in active mode. In this condition research is big challenge. Completion of large curriculum in proper time.

36. Publications and other details of faculties:

Faculty : Dr. Sujata Mallick

Publications:

1. Studies on manganese nodule leached residues 1. Physicochemical characterization and its adsorption behavior toward Ni^{2+} in aqueous solution K. M. Parida, Sujata Mallick, B. K. Mohapatra, V. N. Mishra J. Coll. Inter. Sci. 277 (2004) 48-54. (Impact Factor-3.0)
2. Adsorption of aqueous phosphate on manganese nodule leached residue K. M. Parida, Sujata Mallick and S. S. Dash J. Coll. Inter. Sci 290 (2005) 22-27. (Impact Factor-3.0)
3. Effect of heat-treatment on the physicochemical properties and catalytic activity of H_2O_2 decomposition of Manganese nodules leached residue K. M. Parida, S. S. Dash, Sujata Mallick and J. Das J. Coll. Inter. Sci. 290 (2005) 431-436. (Impact Factor-3.0)
4. Studies on manganese nodule leached residue 4. Physicochemical characterization and atalytic activity of acetic acid treated manganese nodule leached residue S.S. Dash; Sujata Mallick, K. M. Parida and B. K. Mohapatra J. Coll. Inter. Sci. 294 (2006) 117-121. (Impact Factor-3.0)
5. Adsorption of Hexavalent chromium on Manganese nodule leached residue obtained from $\text{NH}_3\text{-SO}_2$ leaching Sujata Mallick, S. S. Dash, and K. M. Parida J. Coll. Inter. Sci 297 (2006) 419-425. (Impact Factor-3.0)
6. Zirconia supported phosphomolybdic acid as a solid catalyst for esterification of Acetic acid Sujata Mallick, K. M. Parida and S. S. Dash J. Coll. Inter. Sci.300 (2006) 237-243. (Impact Factor-3.0)
7. Studies on heteropoly acid supported zirconia. III. Oxidative bromination of phenol using phosphotungstic acid supported on zirconia Sujata Mallick, K. M. Parida and S. S. Dash J. Mol. Cata. 261 (2006) 172. (Impact Factor-3.1)
8. Studies on heteropoly acid supported zirconia II. Liquid phase bromination of Phenol and various organic substrates Sujata Mallick and K. M. Parida Catalysis communication 8 (2007) 889-893. (Impact Factor-3.1)
9. Nitration of phenol over silicitungstic acid supported zirconia Sujata Mallick and K. M. Parida Catalysis communication 8 (2007) 1487–1492. (Impact Factor-3.1)
10. Catalytic activity of silicotungstic acid supported on zirconia towards the esterification of acetic acid with various alcohols K. M. Parida and Sujata Mallick J. Mol. Cata. 275 (2007) 77–83. (Impact Factor-3.1)
11. Hydroxylation of phenol over molybdovanadophosphoricacid modified zirconia K. M. Parida and Sujata Mallick J. Mol. Catal. A: Chemical 279 (2008) 104–111. Impact Factor-3.1)
12. Acylation of anisole using 12 heteropoly acids of tungsten and molybdenum promoted zirconia , K. M. Parida, Sujata Mallick and G. C. Pradhan J. Mol. Catal. A: Chemical 297 (2009) 93-100. (Impact Factor-3.1)
13. Phosphotungstic acid promoted zirconia-alumina mixed oxides: A stable and reusable catalysts for epoxidation of *trans*-stilbene K. M. Parida and Sujata Mallick Catalysis communications 11(2009)51-57. (Impact Factor-3.1)
14. A facile method for synthesis of amine-functionalized mesoporous zirconia and its catalytic evaluation in Knoevenagel condensation K. M. Parida*, Sujata Mallick, P. C. Sahoo, S. K. Rana Applied catalysis A: General 381 (2010)226-232. (Impact Factor-3.1)

15. Cesium salts of heteropoly acid immobilized mesoporous silica: An efficient catalyst for acylation of anisole K. M. Parida*, S. K. Rana Sujata Mallick and D. Rath Journal of colloid and interface science (Accepted) (Impact Factor-3.0)
16. A facile method for synthesis of polyamine-functionalized mesoporous zirconia and its catalytic evaluation towards Henry reaction Surjyakanta Rana, Sujata Mallick and K. M. Parida Industrial & Engineering Chemistry Research 50(2011)2055-2064 (Impact Factor-1.85)
17. A facile method for synthesis of copper modified amine-functionalized mesoporous zirconia and its catalytic evaluation in C-S coupling reaction Sujata Mallick, Surjyakanta Rana and Kulamani Parida Dalton Transations 40(2011)9169-9175 (Impact Factor-4.1)
18. Liquid phase hydrodechlorination of chlorobenzene over bimetallic supported zirconia catalyst Sujata Mallick, Surjyakanta Rana and K. M. Parida Industrial & Engineering Chemistry Research 50(2011) 12439-12448 (Impact Factor-1.85)
19. Selective oxidation of benzaldehyde by molecular oxygen over molybdovanadophosphoric acid supported MCM-41Surjyakanta Rana, Sujata Mallick and K.M. Parida Journal of porous material 19(2012)397-404 (Impact Factor-3.1)
20. A facile method for the synthesis of phosphomolybdic acid supported on zirconia-ceria mixed oxide and its catalytic evaluation in Solvent-free oxidation of benzyl alcoholSujata Mallick, Surjyakanta Rana and Kulamani Parida Industrial & Engineering Chemistry Research 51(2012) 7859-7866(Impact Factor-1.85)
21. A facile method for synthesis of Keggin type cesium salt of iron substituted lacunary phosphotungstate supported on MCM-41 and study of its extraordinary catalytic activity Surjyakanta Rana ,Sujata Mallick, L. Mohapatra, G. Bidita and Kulamani Parida Catalysis today 198(2012)52-58 (Impact Factor-3.1)
22. Characterization of novel Cs and K Substituted phosphotungstic acid modified MCM-41 catalyst and its catalytic activity towards acetylation of aromatic alcohols. S. K. Rana Sujata Mallick, D. Rath and K. M. Parida Journal of chemical science 124(5) (2012)1117-1125 (Impact Factor-3.1)

Conference/Seminar Attended:

1. International conference on “Innovative application of chemistry in pharmacology & technology”February 6-8,2015 at Berhampur University, Odisha
2. National workshop on development of novel materials for hydrogen production and photocatalysis”, 26-27th March, 2010 at IMMT, Bhubaneswar, India
3. Futuristic materials as catalysts and adsorbents National workshop on catalysis, 18-20th February, 2008 at IMMT Bhubaneswar,India.
4. Catalysis for future fuels 18th National Symposium & Indo-US seminar on catalysis, April 16-18, 2007 at IIP Dehardun,India.
5. National Workshop on heterogeneous catalysis and kinetics, 12-21th june 2006 at BHU, Varanasi, India.
6. Orientation course on “Mineral characterization and beneficiation practices, 23rd-28th October 2006

Faculty: Dr. Bishnu Prasad Kar

Publications:

1. **Hydrogen Bonded Complexes of Acetylene and Boric Acid: A Matrix Isolation Infrared and *ab initio* Study**, K. Sundararajan, N. Ramanathan, Bishnu Prasad Kar, K.S. Viswanathan, *Journal of Molecular Structure*, 2011, 991, 35-41.
2. **Matrix Isolation FTIR Studies of Non-Planar Trans-Stilbene**, Bishnu Prasad Kar, N. Ramanathan, K. Sundararajan, K. S. Viswanathan, *Journal of Molecular Structure*, 2011, 994, 364-370.
3. **Conformations of Trimethyl Phosphite: A Matrix Isolation Infrared and *ab initio* Study**, N. Ramanathan, K. Sundararajan, Bishnu Prasad Kar, and K. S. Viswanathan, *Journal of Physical Chemistry A*, 2011, 115, 10059–10068.
4. **Conformations of Dimethyl Carbonate and its Complexes with Water: A Matrix Isolation Infrared and *ab initio* Study**, Bishnu Prasad Kar, N. Ramanathan, K. Sundararajan, K. S. Viswanathan, *Journal of Molecular Structure*, 2012, 1024, 84-93.
5. **A Matrix Isolation Infrared and *ab initio* study of the Trimethylphosphite-Hydrogen Chloride Interaction: Hydrogen bonding versus nucleophilic substitution**, N. Ramanathan, Bishnu Prasad Kar, K. Sundararajan, K. S. Viswanathan, *Journal of Physical Chemistry A*, 2012, 116, 12014–12023.
6. **Matrix Isolation and DFT study of the Conformations of Diethylcarbonate**, Bishnu Prasad Kar, N. Ramanathan, K. Sundararajan, K. S. Viswanathan, *Journal of Molecular Structure*, 2014, 1072, 61-68.
7. **Understanding the Ionic Liquid [NC₄H₉]₄N][NTf₂] from Individual Building Blocks: An IR-Spectroscopic Study**, Kenny Hanke, Matin Kaufmann, Gerhard Schwaab, Martina Hohenith, Conrad T. Wolke, Olga Gorlova, Mark A. Johnson, Bishnu Prasad Kar, Wolfram Sander, Elsa Sanchez-Garcia, *Physical Chemistry Chemical Physics*, 2015, 17, 8518-8529.
8. Reversible Carbene Formation in the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate by Vaporization and Condensation, Bishnu Prasad Kar, Wolfram Sander, *ChemPhysChem*, Accepted, DOI: 10.1002/cphc.201500729.

Conference presentations:

1. **Non-planar trans-stilbene trapped in inert gas solids**, Bishnu Prasad Kar, K. S. Viswanathan, Poster presentation, Discussion Meeting on Spectroscopy and Dynamics of Molecules and Clusters, Goa, India, February 18-21, 2010.
2. **Conformations of dimethyl carbonate and its complexes with water: A matrix isolation and *ab initio* study**, Bishnu Prasad Kar, K. Sundararajan, N. Ramanathan, K. S. Viswanathan, Poster presentation, Discussion Meeting on Spectroscopy and Dynamics of Molecules and Clusters, Uttarakhand, India, February 18-20, 2011.
3. **Conformations of dimethyl carbonate: A Matrix isolation infrared and *ab initio* study**, Bishnu Prasad Kar, N. Ramanathan, K. Sundararajan, K. S. Viswanathan, Oral presentation, Chemistry Research Scholar's Meet, Indira Gandhi Centre for Atomic Research, Kalpakkam, India, July 14-15, 2011.
4. **Conformations of diethyl carbonate: A Matrix isolation infrared and *ab initio* study**, Bishnu Prasad Kar, N. Ramanathan, K. Sundararajan, K. S. Viswanathan, Poster presentation, International Conference on Vistas in Chemistry, Indira Gandhi Centre for Atomic Research, Kalpakkam, India, October 11-13, 2011.

5. **Conformations of diphenyl carbonate: A Matrix isolation infrared and *ab initio* study,** Bishnu Prasad Kar, N. Ramanathan, K. Sundararajan, K. S. Viswanathan, Poster presentation, Discussion Meeting on Spectroscopy and Dynamics of Molecules and Clusters, Bengaluru, India, February 17-19, 2012.
6. **Protic Ionic Liquid n-propylammoniumformate: A low temperature Study,** Bishnu Prasad Kar, Wolfram Sander, Oral Presentation, 32th European Congress on Molecular Spectroscopy 2014, Heinrich Heine Universität, Düsseldorf, Germany, August 24-29, 2014.
7. **Reversible Carbene Formation in the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate by Vaporization and Condensation,** Bishnu Prasad Kar, Wolfram Sander, Poster Presentation, International Conference on Frontiers of Materials Science and Technology 2015, National Institute of Science and Technology, Berhampur, India, December 10-12, 2015.
8. **Stable eclipsed conformers of methoxy silanones: A Computational study,** Tarun Kumar Sahoo, Bishnu Prasad Kar, Himansu Sekhar Biswal, International Conference on Frontiers of Materials Science and Technology 2015, National Institute of Science and Technology, Berhampur, India, December 10-12, 2015.

Evaluative Report of the Department of Commerce

- 1. Name of the Department:** Department of Commerce
- 2. Year of Establishment:** 1980-81
- 3. Names of Programmes / Courses offered:** B.Com (Hons.)
- 4. Names of Interdisciplinary courses and the departments/units involved:** NA
- 5. Annual/ semester/choice based credit system (programme wise)**
 - B.Com (2015-16): CBCS, semester system
 - B.Com Second year and final year: Annual system
- 6. Participation of the department in the courses offered by other departments:** NA
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA**
- 8. Details of courses/programmes discontinued (if any) with reasons:** Nil
- 9. Number of Teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	Nil
Assistant Professors/ Lecturer	3	2

- 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.)**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Dr Amit Verma	PhD, M.Com, UGC NET-JRF	Lecturer	Marketing	2	5	Nil
Miss Shubhra Panda	M. Phil, M.COM, MBA	Lecturer	Marketing	1	---	Nil

- 11. List of senior visiting faculty:** Nil
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** NA (All classes are taken by department teaching faculty)
- 13. Student -Teacher Ratio (programme wise):** 152:2 (BCom)
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil
- 15. Qualifications of teaching faculty with DSc/ D.Lit. / Ph.D/ MPhil / PG.:**
 1. Dr Amit Verma, Ph.D, M.Com
 2. Miss Shubhra Panda, M.Com, M.B.A, M. Phil
- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil
- 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
- 18. Research Centre /facility recognized by the University:** Nil
- 19. Publications:**

Publication per faculty: Dr. Amit Verma

- Number of papers published in peer reviewed journals (national / international) by faculty : 16
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil
- Monographs: Nil
- Chapter in Books: Nil
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: Nil
- Citation Index: NA
- SNIP: Nil
- SJR: NII
- Impact factor: NA
- h-index: NA

Publication per faculty: Miss Subhra Panda

- Number of papers published in peer reviewed journals (national / international) by faculty: Nil
- Number of publications listed in International Database: Nil
- Monographs: Nil
- Chapter in Books: Nil
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: Nil
- Citation Index: Nil
- SNIP: Nil
- SJR: Nil
- Impact factor: Nil
- h-index: Nil

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees:

- Life Member in Indian Accounting Association
- Life Member in Indian Commerce Association

b) International Committees c) Editorial Boards : None

22. Student projects

- A. Percentage of students who have done in-house projects including inter departmental/ programme: NA
- B. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students:

Dr. Amit Verma:

- UGC Research Fellowship
- UGC Junior Research Fellowship

24. List of eminent academicians and scientists / visitors to the department:

- a) Dr. S N Pathi

b) Prof. Parshuram Mishra

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

a) National

b) International

26. Student profile programme/course wise:

Name of the course/programme	Applications received	Selected/Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading of KCU	68	46	22	NA

27. Diversity of Students

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
B.Com	95	5	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: Nil

29. Student Progression:

Student progression	Against % enrolled
UG to PG	Information not available
PG to M.Phil.	Information not available
PG to Ph.D.	Information not available
Ph.D. to Post-Doctoral	Information not available
Employed • Campus selection • Other than campus recruitment	<ul style="list-style-type: none"> • NIL • Information not available
Entrepreneurship/Self-employment	Information not available

30. Details of Infrastructural facilities

- a) Library: There is no departmental library
- b) Internet facilities for Staff & Students: Department is well equipped with Wifi internet facility for students and staff members.
- c) Class rooms with ICT facility: No such facilities available in the class rooms
- d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies

All eligible General, OBC, SC and ST students have been awarded State Scholarship Schemes.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Students of the department participate regularly in departmental level Seminar. At departmental level seminar resource persons are invited from different arena of subject experts.

33. Teaching methods adopted to improve student learning

In order to improve student learning, various teaching methods are applied. Apart from the teaching in the classroom, students are motivated to participate in classroom discussion, role

play and case studies are given to enhance their analytical ability. For weaker students, special tutorial classes are frequently organised. Besides, as per the requirement of the topic, Black board and Visual aids are used.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL

35. SWOC analysis of the department and Future plans

Strengths: Qualified, Self-Motivated and Committed Teaching Staff.

Weakness: Lack of adequate teaching staff, no separate building and facilities for the department and lack of modern programs.

Opportunities: To conduct special career oriented programs, to motivate students for higher and professional studies, to organise skill development program, to create awareness among students to make career in CA, CS, Government Jobs and to encourage staff and students for research activities.

Challenges: Limited Infrastructure, Lack of proper fund, to accomplish academic and non academic jobs within stipulated time with few staff.

Future Plan: The department has plan:

- To occupy separate building,
- To Introduce PG program,
- To organise national seminar, and
- To make collaboration with industry to make internship for the students.

36. Publication and other details of faculty:

Faculty: Dr. Amit Verma

Publications:

Sl. No.	Title	Name of the Journal	Number	Volume	Year of Publication	Page No From- To	National/ International
1.	Radio Frequency Identification: A novel technology in the field of retail industry	E-Business	0972-5180	Vol.41 No. 03	2009	pp.31-37	National
2.	Category Management: Merchandise Buzz in Retail Operations	Marketing Mastermind	0972-5156	Vol. X Issue 07	2010	pp.18-21	National
3.	An Introduction of e-tailing to Explore the Opportunities in Indian Market	Shodh Drishti	0976-6650	Vol.1 No.4	2010	pp. 85-92	National

4.	Unethical Issues in Advertising	Indian Journal of Marketing	0973-8707	Vol.41, No.03	2011	pp.33-43	National
5.	A Comprehensive Analysis of M-Banking	Jigyasa	0974-7648	Vol. VI, No. 1	2013	pp.223-231	National
6.	Private Labels- The Future Weapon of Indian Retailers	Marketing Mastermind	0972-5156	Vol.XI, Issue 04	2011	pp.42-45	National
7.	Processed Food Retail Sector in India	Shodh Prerak	231-413X	Vol.III Issue 02	2013	pp.18-23	National
8.	Tourism in India: An Analysis of FTAs and FEEs	Vaichairki	2249-8907	Vol.III, Issue01	2013	pp.57-60	National
9.	Service Marketing	Shodh Pravaha	2231-4113	Vol III, Issue 01	2013	pp. 124-129	National
10.	Emerging Supply Chain Issues in Retail Business	The Indian Journal of Research 'Anvikshiki'	0973-9777	Vol. 05, No. 02	2011	pp.19-26	National
11.	An Evaluation of Communication Objectives of Retailers Operating in Varanasi	Anukriti	2250-1193	Vol. 03, Year 03	2013	pp. 133-135	International
12.	Retailing in India: An Analysis of Indian Retail Sector	International Journal of Financial Footprints	2319-6262	Vol.1 No.02	2013	pp.5-11	International
13.	Challenges and Issus in Indian Retail Sector	Shodh Drishti	0976-6650	Vol.04, Year 04	2012	pp. 176-178	National
14.	Impact of Tourism on Economic Growth and Development in World	Anusilana	0973-8762	Vol. XLVII, Year 9	2013	pp.176-178	National
15.	Rural Tourism in India: Opportunities and Challenges	Paripreknya	2278-0602	Vol. V, Year: 2	2013	pp.45-49	National

16.	An Analysis of Pricing and Practices in unorganized Food and Grocery Retail Sector- A Case Study	Interdisciplinary Journal of Contemporary Research	2393-8358	Vol.2 No.1	2015	pp.35-40	National
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Seminar/Conference/Symposium/Workshop Attended:

Sl. No.	Seminar/Conference/ symposium/ workshop	Name	Sponsoring Agency	National/ International	Paper Presented/ Subject of Seminar
1.	Seminar	59 th All India Commerce Conference	Indian Commerce Association Faculty of Commerce and Management, Andhra University	National	Paper Presented on Brand Equity
2.	Seminar	60 th All Indian Commerce Conference	Indian Commerce Association Department of Commerce, Osmania University	National	Paper Presented on Business Process Outsourcing: An Overview
3.	Seminar	60 th All India Commerce Conference	Indian Commerce Association Department of Commerce, Osmania University	National	Supply Chain Management in Retailing
4.	Seminar	2 nd International conference on Management Sciences and Arts	Faculty of Management Studies, Gurukul Kangri University	International	Paper Presented on E-retailing: A Comprehensive Marketing Tool for Retailers
5.	Seminar	61 st All India Commerce Conference	Indian Commerce Association Dhanwate National College, Nagpur	National	Paper Presented on SEZ: Engine of Growth
6.	Seminar	61 st All India Commerce Conference	Indian Commerce Association Dhanwate National College, Nagpur	National	Paper Presented on Customer Relationship Management A Strategic Issue in Indian Retail

7.	Seminar	Corporate Management Practices in Globalised Era	Department of Commerce MGKVP	National	E-CRM: An emerging face of CRM
8.	Seminar	Growth of Banking Industry in India	UGC D N Jain College, Jabalpur	National	Bancassurance: A futuristic model in Indian Banking and Insurance Industry
9.	Seminar	Globalisation: Emerging Challenges for the Indian Economy	Department of Business Economics VBS Purvanchal University	National	Indian Banking in Globalised Era
10	Seminar	Globalisation: Emerging Challenges for the Indian Economy	Department of Business Economics VBS Purvanchal University	National	Indian Insurance Industry in the Era of Globalisation
11.	Seminar	Banking and Insurance in 21 st Century	Faculty of Commerce, BHU	National	Impact of Globalisation on Indian Insurance Industry
12.	Seminar	62 nd All India Commerce Conference	Indian Commerce Association MDS University	National	E- Governance
13.	Seminar	62 nd All India Commerce Conference	Indian Commerce Association MDS University	National	Ethical/unethical practices in Insurance Market in the context of Insurance Principles
14.	Seminar	Recent Global Developments in Management and Information Technology: Prospects and Perspectives	SMS	National	Application of Ancient Chinese War Strategies in Retail to Combat in Globalised Era
15.	Seminar	Entrepreneurship Development: Challenges and Opportunities	UGC and ICSSR	National	Emerging Issues in Retailing of India
16	Seminar	Emerging Innovative Strategies in Management, Commerce, Education and other disciplines	IMEI	International	Factors Responsible in the Growth of Indian Economy
17.	Workshop	Research Methodology	Faculty of Commerce, BHU	National	Workshop attended
18.	Workshop	Research	Centre for the	National	Workshop

		Methodology in Area Studies	Study of Nepal, BHU		Attended
19.	Seminar	Conflict Management, Peace Economics and Peace Science	Department of Sociology, MGKVP	International	Paper Presented on International Legal Environment
20.	Seminar	Role of FDI in Multi-Brand Retailing: Opportunities and Threats	ICSSR SB PG College, Varanasi	National	Paper Presented on Indian Retail Sector after FDI
21.	Workshop	Case Teaching and Case Writing	SHEPA	National	Workshop Attended
22.	Seminar	Retrospect of Economic Thoughts	UGC MGKVP	National	Paper Presented on International Business Economic System
23.	Seminar	Organised Retailing in India: Issues and Concerns	UGC Department of Commerce, University of Lucknow	National	Retail Marketing in Indian Scenario
24.	Seminar	Indian Banking Today: Search For A Better Tomorrow	UGC Department of Commerce Marwari College, Bhagalpur	National	E- Banking: Emerging Challenges
25	Seminar	Sustainable Development: Issues and Challenges	UGC MPC Autonomous College	National	Micro Insurance in India
26.	Seminar	Recent Trends in Business Education and Employability	UGC MPC Autonomous College	National	Remodeling of Commerce Education: An Integrated Approach
27.	Seminar	Banking: Emerging Trends, Challenges and Opportunities 2015	UGC Department of Commerce Ravenshaw University	National	Indian Banking Sector Under Technological Transformation

Evaluative Report of the Department of Economics

1. **Name of the department:** Department of ECONOMICS
2. **Year of Establishment:** 1970-71
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** BA (Honours)
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Annual/ semester/choice based credit system (programme wise)**
 - BA first year (2015-16): CBCS, semester system
 - BA second year and final year: Annual system
6. **Participation of the department in the courses offered by other departments:** NA
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	1 (PP)
Assistant Professors/ Lecturer	3	1

*(PP- stand for 'Personal Promotion')

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.)**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Dr Amiya Chandra Panda	PhD	Reader	Micro-economics	31	6	NA
Smt. Sasmita Behera	M.A., M.Phil	Lecturer	Statistics	1	-	NIL

11. **List of senior visiting faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** NIL
13. **Student -Teacher Ratio (programme wise):** 190:2 (Hons.)
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil
15. **Qualifications of teaching faculty with DSc/ D.Litt/ PhD/ MPhil / PG.:**
 - Dr Amiya Chandra Panda, MA, PhD
 - Smt. Sasmita Behera, M.A., M.Phil
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil
17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
18. **Research Centre /facility recognized by the University:** Nil
19. **Publications:** NA

- Publication per faculty:
- Number of papers published in peer reviewed journals (national):
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):
- Monographs:
- Chapter in Books:
- Books Edited:
- Books with ISBN/ISSN numbers with details of publishers:
- Citation Index:
- SNIP:
- SJR:
- Impact factor:
- h-index:

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Board: NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: NIL

b) International: NIL

26. Student profile programme/course wise: NA

Name of the course/ programme	Applications received	Selected/ Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading Arts steam as university rules.	68	46	22	NA

27. Diversity of Students: NIL

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
Economics (Hons.)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. ? NA

29. Student progression

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	NIL
• Other than campus recruitment	NA
Entrepreneurship/Self-employment	38%

30. Details of Infrastructural facilities

- a) Library: A seminar library is functional in the Department with 30 books.
- b) Internet facilities for Staff & Students: Staff & Students avail internet facility at the common computer lab.
- c) Class rooms with ICT facility: Special classes are taken in smart room which are equipped with projector and other modern teaching aids.
- d) Laboratories: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies: All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.) and Differently abled students of the department receiving financial assistance from the government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Students are delivering seminar talk which is mostly attended by external experts.

33. Teaching methods adopted to improve student learning

The faculty members are actively involved in delivering lectures in the College.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

- **Strengths:** Experienced faculty and disciplined student
- **Weakness:** Lack of staff and Computer facility in the Department.
- **Opportunities:** There are opportunities for the students to pursue higher studies and get job.
- **Challenges:** Major challenges faced by our department is Low standard of our students

Evaluative Report of the Department of English

- 1. Name of the department:** Department of English
- 2. Year of Establishment:** 1970-71
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** BA (Honours)
- 4. Names of Interdisciplinary courses and the departments/units involved:**

Other departments of Arts stream are involved to teach the elective courses

- 5. Annual/ semester/choice based credit system (programme wise)**

- BA first year (2015-16): CBCS, semester system
- BA second year and final year: Annual system

- 6. Participation of the department in the courses offered by other departments:**

English as compulsory subject is being taught to the students of every stream (Science, Arts and Commerce)

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA**

- 8. Details of courses/programmes discontinued (if any) with reasons: Nil**

- 9. Number of Teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	Nil
Assistant Professors/ Lecturer	3	1 (Deployed)

One teacher has been deployed by the DHE and the classes are managed by the hiring guest faculties.

- 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.):**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Sri Pradeep Kumar Bramha	M.A.	Lecturer	Literature	32 years	-	-

- 11. List of senior visiting faculty: Nil**

- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 25 % (39 classes per month)**

- 13. Student -Teacher Ratio (programme wise): 23:1 (Hons, 01 Guest faculty)**

- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Sl. No.	Name of the post	Sanctioned	Filled
	Demonstrator	NIL	NIL
	Laboratory attendant	NIL	NIL
	Specimen Collector	NIL	NIL

- 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications: NA

- Publication per faculty:
- Number of papers published in peer reviewed journals (national):
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):
- Monographs:
- Chapter in Books:
- Books Edited:
- Books with ISBN/ISSN numbers with details of publishers:
- Citation Index:
- SNIP:
- SJR:
- Impact factor:
- h-index:

20. Areas of consultancy and income generated:

21. Faculty as members in

National committees b) International Committees c) Editorial Boards: Nil

22. Student projects : Nil

- a) Percentage of students who have done in-house projects including inter departmental/ programme: Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

- a) National:
- b) International:

26. Student profile programme/course wise:

Name of the course/ programme	Applications received	Selected/ Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading Arts steam as university rules.	4	4	0	NA

27. Diversity of Students: NIL

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
English (Hons.)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. : NIL

29. Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	Nil
• Other than campus recruitment	NA
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

- a) Library: One library
- b) Internet facilities for Staff & Students: available
- c) Class rooms with ICT facility: No
- d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.) and Differently abled students of the department receiving financial assistance from the government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

All the students are delivering seminar talk which is mostly attended by experts from outside institutions.

33. Teaching methods adopted to improve student learning:

Modern teaching tools are used for teaching

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

Strengths: Students, how very limited, are very sincere and responsible

Weakness: Number of students joined is very poor, no staff and no seminary facility.

Opportunities: Given chances, scope for research will be made possible.

Challenges: Motivation among the students for pursuing a career in English literature can be made, infrastructure can be developed for accommodation for using library and opening Seminar library, Post Graduation course should be introduced to induce more and more students.

Evaluative Report of the Department of History

1. **Name of the department:** Department of HISTORY
2. **Year of Establishment:** 1970-71
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** BA (Honours) , P.G.
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Annual/ semester/choice based credit system (programme wise)**
 - BA first year(2015-16): CBCS, semester system
 - BA second year and final year: Annual system
6. **Participation of the department in the courses offered by other departments:** NA
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	Nil
Assistant Professors/ Lecturer	3	Nil

No teacher has been deployed by the DHE hence the classes are managed by the hiring guest faculties.

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.):** NA

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
-	-	-	-	-	-	-

11. **List of senior visiting faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Two guest faculties take classes of the department (Each 39 classes per month)
13. **Student -Teacher Ratio (programme wise):** 112:3 (Hons.; Guest faculty)
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil
15. **Qualifications of teaching faculty with DSc/ D.Litt/ PhD/ MPhil / PG.:** NIL
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil
17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
18. **Research Centre /facility recognized by the University:** Nil
19. **Publications:** NA
 - Publication per faculty:
 - Number of papers published in peer reviewed journals (national):
 - Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):

- Monographs:
- Chapter in Books:
- Books Edited:
- Books with ISBN/ISSN numbers with details of publishers:
- Citation Index:
- SNIP:
- SJR:
- Impact factor:
- h-index:

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

National committees b) International Committees c) Editorial Boards: NIL

22. Student projects: Nil

- a) Percentage of students who have done in-house projects including inter departmental/ programme:
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

- a) National: NIL
- b) International: NIL

26. Student profile programme/course wise:

Name of the course/programme	Applications received	Selected/Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading Arts steam as university rules.	63	48	15	NA

27. Diversity of Students: NIL

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
History (Hons. and PG)	100 %	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: NIL

29. Student progression

Student progression	Against % enrolled
UG to PG	45%
PG to M.Phil.	5%
PG to Ph.D.	3%
Ph.D. to Post-Doctoral	0%
Employed • Campus selection • Other than campus recruitment	NIL NA
Entrepreneurship/Self-employment	25%

30. Details of Infrastructural facilities

- a) Library: A seminar library is functional in the Department with 30 books.
- b) Internet facilities for Staff & Students: Staff & Students avail internet facility at the common computer lab.
- c) Class rooms with ICT facility: Special classes are taken in language lab and smart room which are equipped with projector and other modern teaching aids.
- d) Laboratories: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies: All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.)and differently abled students of the department receiving financial assistance from the government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Students are participating in different seminars, debates and other type of competitions.

33. Teaching methods adopted to improve student learning

The faculties follow modern teaching approaches.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

- **Strengths:** Disciplined students.
- **Weakness:** Paucity of the staff.
- **Opportunities:** Higher study.
- **Challenges:** Poor educational quality of the students.

Evaluative Report of the Department of Mathematics

1. **Name of the department:** Department of Mathematics
2. **Year of Establishment:** 1970-71
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** BA, Honours, B.Sc.
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Annual/ semester/choice based credit system (programme wise)**
 - BA first year (2015-16): CBCS, semester system
 - BA second year and final year: Annual system
6. **Participation of the department in the courses offered by other departments:**

Elective courses for Physics and Chemistry Department

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	1(PP)
Assistant Professors/ Lecturer	2	Nil

*(PP- stand for 'Personal Promotion')

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.)**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Sri Kishore Chandra Ray	M.Sc	Reader	Complex Analysis	34	-	-

11. **List of senior visiting faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** 40% (39 classes per month)
13. **Student -Teacher Ratio (programme wise):** 43: 2 (Hons. , 01 Guest faculty)
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil
15. **Qualifications of teaching faculty with DSc/ D.Litt/ PhD/ MPhil / PG.:**

Sri Kishore Chandra Ray, M.Sc.

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil
17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
18. **Research Centre /facility recognized by the University:** Nil
19. **Publications:** Nil
 - Publication per faculty:
 - Number of papers published in peer reviewed journals (national):

- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NIL
- Monographs: Nil
- Chapter in Books: Nil
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: NIL
- Citation Index: NIL
- SNIP: NIL
- SJR: NIL
- Impact factor: NIL
- h-index: NIL

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

National committees b) International Committees c) Editorial Boards: NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme: 80% students in Honours classes done are carrying out in-house projects for their exam session.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students

State level Summer Course on Mathematics in Sambalpur University, a workshop cum conference, Organised by Department of Higher Education.

State level Conference, Organised by Odisha Mathematical society- Life Member

National Seminar, INSC, Life Member.

Refresher/ workshop at Dept. Of Math

- Utkal University
- Sambalpur University
- Punjab University, Chandigarh.

24. List of eminent academicians and scientists / visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding:

- a) National: NIL
- b) International: NIL

26. Student profile programme/course wise:

Name of the course/ programme	Applications received	Selected/ Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading Science and Arts steam as university rules.	24	21	03	NA

27. Diversity of Students:

Name of the course	% of students from the	% of students from other	% of students from

	same state	states	Abroad
Mathematics (Hons.)	100%	Nil	Nil

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: NIL**

29. **Student progression:**

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	NIL
• Other than campus recruitment	NA
Entrepreneurship/Self-employment	28%

30. **Details of Infrastructural facilities**

- a) Library: Nil
- b) Internet facilities for Staff & Students: Staff & Students avail internet facility at the common computer lab.
- c) Class rooms with ICT facility: Special classes are taken in the smart room which are equipped with projector and other modern teaching aids.
- d) Laboratories: No separate Lab.: No such special lab, however the lab-works done with computers present in SAMS.

31. **Number of students receiving financial assistance from college, university, government or other agencies:** All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.) and Differently abled students of the department receiving financial assistance from the government.

32. **Details on student enrichment programmes (special lectures / workshops / seminar) with external experts**

Special lectures are organised for enrichment of students by inviting exports from other institutes.

33. **Teaching methods adopted to improve student learning**

Special classes are taken to improvement of student learning by the faculties.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil

35. **SWOC analysis of the department and Future plans**

- **Strengths:** Experienced faculty with disciplined student
- **Weakness:** Paucity of staff, Class rooms are not adequate member.
- **Opportunities:** Students are encouraged to go for higher studies
- **Challenges:** Department needs a separate room to accommodate its lab-work and materialising the plans for benefit of students.

Evaluative Report of the Department of Odia

1. **Name of the department:** Department of ODIA
2. **Year of Establishment:** 1970-71
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** BA (Honours), BA (Pass), P.G.
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Annual/ semester/choice based credit system (programme wise)**
 - BA first year (2015-16): CBCS , semester system
 - BA second year and final year: Annual system
6. **Participation of the department in the courses offered by other departments**
Odia as MIL (compulsory course) for students of all other departments.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	1 (PP)
Assistant Professors/ Lecturer	4	3

***(PP- stand for 'Personal Promotion')**

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.)**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Dr. Pramod Kumar Dwibedi	PhD	Reader	1) Translation and Editing 2) Satyabadi Literature	33	15	02
Dr. Ajaya Kumar Tripathy	PhD	Lecturer	-		6	NIL
Dr. Imtihan Saha	PhD	Lecturer	Linguistic (Computer Application and Transliteration in Odia Language)	2	5	NIL
Dr.(Smt.) Surachita Pattnaik	PhD	Lecturer	Folklore and Ramyarachana	2	5	NIL

11. **List of senior visiting faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** NIL
13. **Student -Teacher Ratio (programme wise):** 75:4 (Hons.)

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil
15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:**
 - a) Dr. Pramod Kumar Dwibedi, MA, Ph.D
 - b) Dr. Ajaya Kumar Tripathy, MA, Ph.D
 - c) Dr. Imtihan Saha, MA, Ph.D
 - d) Dr. (Smt.) Surachita Pattnaik, MA, M.Phil. Ph.D
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil
17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
18. **Research Centre /facility recognized by the University:** Nil
19. **Publications:**

Publication per faculty: Dr. Pramod Kumar Dwibedi

- Number of papers published in peer reviewed journals (national): 25
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NA
- Monographs: Nil
- Chapter in Books: 15
- Books Edited: 02
- Books with ISBN/ISSN numbers with details of publishers: 06
- Citation Index: NA
- SNIP: NIL
- SJR: NIL
- Impact factor: NA
- h-index: NA

Publication per faculty: Dr. Ajay Kumar Tripathy

- Number of papers published in peer reviewed journals (national): NA
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NA
- Monographs: Nil
- Chapter in Books: NA
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers:
- Citation Index: NIL
- SNIP: NIL
- SJR: NIL
- Impact factor: NIL
- h-index: NIL

Publication per faculty: Dr. Imtihan Saha

- Number of papers published in peer reviewed journals (national) : 4

- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NIL
- Monographs: Nil
- Chapter in Books: NIL
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: 1
- A.K. Mishra Publisher, Cuttack
- Citation Index: NA
- SNIP: NIL
- SJR: NIL
- Impact factor: NA
- h-index: NA

Publication per faculty: Dr. Surachita Pattaniak

- Number of papers published in peer reviewed journals (national): 03
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NIL
- Monographs: Nil
- Chapter in Books: NIL
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: NIL
- Citation Index: NA
- SNIP: NIL
- SJR: NIL
- Impact factor: NA
- h-index: NA

20. **Areas of consultancy and income generated:** Nil

21. **Faculty as members in**

National committees b) International Committees c) Editorial Boards: NIL

22. **Student projects**

- a) Percentage of students who have done in-house projects including inter departmental/ programme: 100% students in PG classes done are carrying out in-house projects for their exam session.
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. **Awards / Recognitions received by faculty and students**

- Dr .Pramod Kumar Dwibedi has received Nilakantha fellowship, Utkal University
- Dr .Ajaya Kumar Tripathy received the following awards and recognitions as follows : NA
- Dr .Imtihan Saha received the following awards and recognitions as follows

Reorganization

- a) Visual Studio Odia Clip Project, Microsoft

b) Oriya Caption language Interface Pack for Visual Studio 2010, 24th May 2010, Microsoft
Fellows

Maulana Azad National Junior Research Fellowship and Senior Research Fellowship, UGC, New Delhi

Achievement in other field

- a) Shresta Sahitya Pratibha Puraskar, U.N. College, Adaspur, Cuttack 2001
- b) Rajya Puraskar (Governor Award)- (Odisha States Scout and Guide)
- c) Apreciation certificate of Director of language technology centre, Ravenshaw University for the working of the English to Odia and Hindi to Odia translation projects.
- d) Secure Top position in +2 Odia (Opt.) U.N. College
- e) Secure Top position in +3 Odia (Hon.) U.N. College, Utkal University
- f) Secure Tenth position in +3 Odia (Hon.) Utkal University
- g) Secure Top position in PG (Part One) Ravenshaw (Auto.) College

- Dr .Surachita Pattaniak received the following awards and recognitions as follows

Seminars

Participated In National & State Level Seminars, which was Organized by Indian Institute Of Mass Comunication (IIMC), Dhenkanal, Odisha and Bhanja Vihar University, Brahmapur, Odisha

Achievements

- a) Sahitya Sri Samman by Odiya Sahitya Samaj, Ganjam.
- b) Best Women Reporter Award by Press Club of Ganjam.

Participated in National & International Carom Championship

- Pune District Carom Association
- Delhi Carom Association
- Odisha Carom Association

24. List of eminent academicians and scientists / visitors to the department

- Dr Niranjan Pattanayak

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National: NIL
- b) International: NIL

26. Student profile programme/course wise:

Name of the course/ programme	Applications received	Selected/ Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading Arts steam as university rules.	48	27	21	NA

27. Diversity of Students:

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
Odia (Hons. and P.G.)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. : NIL

29. Student progression

Student progression	Against % enrolled
UG to PG	75%
PG to M.Phil.	20%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	0%
Employed • Campus selection • Other than campus recruitment	NIL
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

- a) Library: A seminar library is functional in the Department with 95 books and 20 Journals.
- b) Internet facilities for Staff & Students: Staff & Students avail internet facility at the common computer lab.
- c) Class rooms with ICT facility: Special classes are taken in language lab and smart room which are equipped with projector and other modern teaching aids.
- d) Laboratories: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies: All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.) and differently abled students of the department receiving financial assistance from the government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

All the students are delivering seminar talk which is mostly attended by external experts.

33. Teaching methods adopted to improve student learning

Faculties use the modern teaching aids and modern technology to teach students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The faculty members are actively involved in delivering lectures in the nearby schools and villages

35. SWOC analysis of the department and Future plans

a) Strengths:

- The Faculty members of our department are highly skilled with different field of specialisations. Similarly the students are disciplined and motivated.
- Dr Pramod Kumar Dwibedi has field of specialisation in editing and translation. He has worked extensively on Satyabadi Literature.

- Dr Ajaya Kumar Tripathy has fine skill of anchoring and working on Folklore in south Odisha, which will popularise this culture in national and international forum.
 - Dr Imtihan Saha has developed Odia Transliteration software programme, which will be of immense use in Popularising Odia language. It will also help people from other languages to read and learn Odia.
 - Dr Surachita Pattnaik was earlier working in media sector and served 8 years as reporter in electronic media. She has specialisation in Folklore and Ramyarakchana.
- b) Weakness:** Paucity of staff, Lack of Computer facility in the Department.
- c) Opportunities:** There are opportunities for the students to pursue higher studies and get job.
- d) Challenges:** As this college is situated in semi urban area we are not getting students of higher standard, hence the faculties have to devote more time in guiding the students.

36. Publications and other details of faculties:

Faculty: Dr Pramod Kumar Dewibedi

Books:

1. Sahitika Samalochana- Prabhat Book Store, Berhampur, 1993
2. Odia bhasa o sahityara bikash dhara- Taratarini pustakalaya, Berhampur, 1997
3. Odia sahityara gathana riti- Taratarini pustakalaya, Berhampur, 2002
4. Kichakabadha o Kabi gangadhar meher- Sangam Publication, Berhampur, 1997
5. Rasakalola- Taratarini pustakalaya, Berhampur, 2001
6. Madhu Barister- Taratarini pustakalaya, Berhampur, 2006
7. Satabdira Shreshtha Galpa- Silapadma prakashani, Berhampur, 2000
8. Kabita Lata(Editied) - Taratarini pustakalaya, Berhampur, 2000
9. Gadya Upabana (Edited)- - Taratarini pustakalaya, Berhampur, 2000

Research Paper and Articles

1. KanhuCharanak Upayasare Naricharitra- Konark, 38th Edition, 1979
2. Gopabandhu Sahityare Prema- Sahityaputra, 1977
3. Odishare Sri Jagannath- Sri Jagannath, January-March 1982
4. Nilakantha Kabyakruti- Dasa Nayak- Konark, 48th Edition, 1982
5. Adhunika Pariprekhire ‘Bharat’ Eka Drustipata- Lipi, 1982
6. MangalBaria Sahitya sansada o Fatura Nanda- Nilakantha parikrama, December, 1983
7. Kabi Nilakantha- kaala o Kala- Lipi, 1984
8. Pandita Nilakantha o Jagannath Dhama- Nilakantha Smaraki, 2nd Edition 1984
9. Aitihasika Kabya- Kharabela:- Konark, 53rd Edition 1984
10. Punascha Pruthivi- Ek Adhyana- Lipi 1985
11. He Mora Kalama o kabi godabarisha-Aalochana Aaloka, 1987
12. Nilakantha kabyakrutiire Jatiyatabada- Konark, 64th Edition, 1987
13. Andhadiganta egdhidas- Surendra Parikrama, January, 1988
14. Sahityara Aadhyatmikata- Konark, 102nd Edition 1997
15. Odia Samalochana Sahitya- Aadhunika Odia gadya Sahitya-2001
16. Natakara Kathabastu- Ek Adhyana Study Material: Sambalpur University-1982
17. Utkala Divasara Anuchinta- Smaranika, 2003
18. Aitihasika Krishnachandra Panigrahi-Srujanasilpi, 2006
19. Kathakar Bhubaneswar Behera- Srijansilpi, 2006

20. Anama o oupanyasika gopinatha- Amrita Swakhyra, 2007
21. Odia Bhagabatare samajika Abedana- 2009, Rajyastariya Aalochana Chakra Smaranika
22. Swadhinata Parabarti Odia natakare bibartanara Swara-Jatiya Aalochanachakra Smaranika, 2009
23. Swadhinata Parabarti katha sahityare nari Jagaranara Swara O Swakhyra- Jatiya Aalochanachakra Smaranika, 2011
24. Pandita Nilakanthaka Jatiyatabodha- Legendary Nationalist of Odisha, 2012
25. Kruti Gangadhara Mehera- Saptarshi, 4th Edition, 2012
26. Aitihasika kavya Kharabela- Nilakantha Bisesanka, 2015
27. Jagannath Dharma-Samanwaya- Nabakalebara Bisesanka, 2015

Seminar and workshop

1. Attended state level seminar on 2009 at Khaira College, Balasore.
2. Attend National seminar on Odia Drama on 2009 at Science college, Hinjilikat.
3. Attended National seminar on 2009 at Khaira College, Balasore.
4. Attended National seminar on 2013 at Berhampur University.
5. Attended state level workshop on 2015, Quality enhancement in higher education of Odisha.

Faculty: Publications of Dr Ajaya Kumar Tripathy

Publications

1. Edited One Book Titled as " Bimugdha Mati Amalina srasta,Apanna Parichha,f!kaAkalana
2. Hrushikeshiya Upanyasara Bibartana o Dasyu-Jhankara .
3. Ananya Abhibykta Swakhyara -Sarata Babunka gali,Amruta Swakhyara,Edited by
4. Dr Prasanna Ku Swain,Berhampur University
5. Chirantana Chetanara Atmalipi-Tantrikara,Amruta Swakhyara, Edited by Dr Prasanna Ku Swain, Berhampur University
6. Mukta Akasara Klanta Bihanga- Hansagiti – Kathakara Surendra , Edited by Dr Kanhu Charana Satapathy
7. Writers Profile of Gajapati, Cultural Heritage of Gajapati, Edited by Dr Gopinatha Mcihanty and others.
8. Ganjamra Prachina Lokanaty- Dasakathia Mardaraj
9. Swatantra Utkala Pradesh gathana o Maharaja Krushna Chandra Gajapati Narayana Dev Published in Gajapati Utsav Smaranika
10. Kalinga ra Saiba Parampara o Mahendragiri Mardaraj
11. Bilupta Samskruti o Jagrata Prahari- Gajapati Utsav Smaranika
12. Harihara Mardaraja - Samuka Edited by Dr Devi Prasanna Pattanaik .
13. Role of Women Freedom Fighter of Ganjam District in Freedom Fight – Souvenirs of UGC Sponsored Seminar, TSD College, B D Pur Ganjam

Faculty: Dr Imtihan Saha

Books

1. Dictionary of Abbreviation and Acronyms (In Press)
2. Short questions book of Odia literature (In Press)

Articles

1. Ananta Pattnaiakn Samyabadi Swara: Nija bandana padhe (Essay) - ravenshawvian 2005-06
2. Mastrani- Adhunika nari jiban o mrutyu chetanara jibanta Alekhya (Book review)- Sahakar, Rathasankhya, 2008
3. Maheswara Dashanka saha antaranga alaap (Sakhyatkar)- Uttisthata, March 2008
4. Akhi(Poetry)- sahakar, May 2008
5. Kabinra Tume (Poetry)- Sahakar, Smrutisankhya August 2007
6. Draft (Story)- Janasudha, July 2014
7. Asha (Maithili Poetry)- Jhardkhandak Sandesh, Jharkhand, Jan.-March 2010

Workshop attended

1. Attend the workshop of Natural Language Processing (NLP), CIIL, CDAC
2. At Ravenshaw University, Cuttack from 21.01.2014 - 25.01.2014

Faculty: Publications of Dr Surachita Pattanaik

Publications

1. An Article “ GANJAM RE LAXMIPUJA” has been published in 8th edition book fair Magazine
2. Odiya Lokagalpara Kalabinya.
3. An Article “GANJAMRA KALA SANSKRUTI (THAKURANI YATRA)”. Published in “THE ISTAHAAR” Magazine.
4. Short Poem “NABABARSHA”, Published in Odiya Magazine “THE MADHULITA”

Evaluative Report of the Department of Physics

1. **Name of the department:** Department of PHYSICS
2. **Year of Establishment:** 1970-71
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** BSc (Honours)
4. **Names of Interdisciplinary courses and the departments/units involved:**
 - a) Chemistry (Pass) b) Electronics (Elective) c) Math (Pass)
5. **Annual/ semester/choice based credit system (programme wise)**
 - BSc first year (2015-16): CBCS, semester system
 - BSc Second year and final year: Annual system
6. **Participation of the department in the courses offered by other departments**
Physics as an elective course for Mathematics and Chemistry Honours students
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	1 (PP)
Assistant Professors/ Lecturer	3	1

*(PP- stand for 'Personal Promotion')

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.)**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Dr B B Panigrahy	M Phil, PhD	Reader	Solid State Physics	33	7	-
Dr Jubraj Choudhary	M Phil, PhD	Lecturer	Space Radiation	18	5	-

11. **List of senior visiting faculty:**
 - Prof. (Dr) S. N. Jena
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** NIL
13. **Student -Teacher Ratio (programme wise):** 70:2 (Hons.)
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Sl. No.	Name of the post	Sanctioned	Filled
1	Demonstrator	2	1
2	Asst store keeper	1	1
3	Mechanic	1	1
4	Lab Attendant	2	2

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:**

1. Lt.Cdr(Dr) B B Panigrahy M Sc, M Phil, PhD

2. Dr Jubaraj choudhary M Sc, M Phil, PhD
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:

Publication per faculty: Dr. Bana Bihari Panigrahi

- Number of papers published in peer reviewed journals (national): 07
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NA
- Monographs: Nil
- Chapter in Books: NIL
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: 01
 - a) Engineering Physics. Amrita Publications, Sakthi Nagar, Link Road, Cuttack.
- Citation Index: NA
- SNIP: NIL
- SJR: NIL
- Impact factor: NA
- h-index: NA

Publication per faculty: Dr. Jubaraj Choudhury

- Number of papers published in peer reviewed journals (national): 04
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NA
- Monographs: Nil
- Chapter in Books: NIL
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: Nil
- Citation Index: NA
- SNIP: NIL
- SJR: NIL
- Impact factor: NA
- h-index: NA

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

National committees b) International Committees c) Editorial Boards:

Dr Bana Bihari Panigrahi

- Orissa Physical Society
- American Physics Society

Dr Jubaraj Choudhary

- Orissa Physical Society

- Optical society of india

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/ programme: 100% of our students carryout in-house projects for their practical session.
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students

- Dr B B Panigrahi has received Best ANO Award (1991,2000), Director General Commendation Award(2009, 2011)
- Dr B B Panigrahi & Dr J Choudhary are invited as resource person by different institutions to attend different science projects & debate competitions.

24. List of eminent academicians and scientists / visitors to the department

- Prof (Dr) S N Jena , Retd.Professor,Berhampur university
- Dr Sidharta Panda , ASSO Professor,Berhampur university
- Dr Sukant Tripathy,Professor, NIST,BERHAMPUR
- Dr Monaj ku Muni,HOD IN PHYSICS,SMIT,BERHAMPUR

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

- National
- International

26. Student profile programme/course wise:

Name of the course/ programme	Applications received	Selected/ Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading Physical Science steam as university rules.	46	34	12	NA

27. Diversity of Students

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. : NA

29. Student progression

Student progression	Against % enrolled
UG to PG	57%
PG to M.Phil.	10%
PG to Ph.D.	3%
Ph.D. to Post-Doctoral	0%
Employed	Nil
• Campus selection	
• Other than campus recruitment	4%
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

- Library: A seminar library is functional in the Department with more than 110 books.

b) Internet facilities for Staff & Students: Staff and Students use Computer and internet service available in the common Computer Lab.

c) Class rooms with ICT facility: Special classes are taken in the language lab and smart room which are equipped with projector and other modern teaching aids. For teaching, faculty use chats, pictorials, videos and other teaching aids.

d) Laboratories: Two

31. Number of students receiving financial assistance from college, university, government or other agencies:

All SC, ST, OBC (OBC students who have secure above the 50% Mark in last exam.) and differently abled students of the department receiving financial assistance from the government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

All the students are delivering seminar talk which is mostly attended by external experts, on every Wednesday and Saturday.

33. Teaching methods adopted to improve student learning

Modern teaching aids and technologies used by the faculties for the easy understanding of students. The faculty members are actively involved in delivering lectures in the nearby schools and villages

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

- **Strengths:** Experienced faculty and disciplined student
- **Weakness:** Paucity of staff, Lack of Computer facility in the Department.
- **Opportunities:** Encourage students for the higher studies and research
- **Challenges:** Low Standard of the Students.

36. Other activities of departments and faculties

*Seminars and conferences attended or delivered by faculties: * please refer below*

1. Seminar talk on “ANVANCED NANO TECHNOLOGY” given by Dr. B B Panigrahi
2. Seminar talk on GLOBAL WARMING Dr. B B Panigrahi
3. Attended seminar in Berhampur University Dr. B B Panigrahi
4. Seminar talk on “EFFECT OF SPACE RADIATION ON DIFFERENT MATERIALS USED IN SPACE MISSION” given by Dr. J. Choudhury
5. Dr J Choudhury attended seminar at NIST, SMIT and completed a REFRESHOR CORSE at INSTITUTE OF PHYSICS.

Seminar topics delivered by students in the department seminar:

Seminars organised in regular intervals in department by the students under the guidance of faculties. The following seminar topics are delivered in the current session (2015-16).

1. Five Pen Technology
2. Driverless Car
3. Blue Eyes Technology
4. Wearable Technology
5. Global Positioning System

6. Sonar and Radar
7. Accident Prevention Technology
8. Robotics
9. Nanorobots
10. E –Waste Recycling
11. Virtual Laser Keyboard
12. Origin Of Moon & Lunar Eclipse
13. Mobile T.V
14. Blue Brain

* Dr. B.B.Panigrahi participated in :

1. National Seminar on Energy Trends in chemical Sciences(B.U. & Odisha Chemical Society)
2. UGC sponsored National Seminar in Trends in Climate Change, challenges for Humanity
3. Faculty Deptt. Programme on Developing presentation skill as an effective teaching tool
(Srushi Academy of Management, BBSR, Odisha)

Training courses in :

1. Financial & Accounts Management at Gopabandhu Academy of Administration, BBSR
2. E_Payment online bill submission at district treasury, Chatrapur, Odisha

Evaluative Report of the Department of Political Science

1. **Name of the department:** Department of POLITICAL SCIENCE
2. **Year of Establishment:** 1970-71
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** BA (Honours)
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Annual/ semester/choice based credit system (programme wise)**
 - BA first year (2015-16): CBCS, semester system
 - BA second year and final year: Annual system
6. **Participation of the department in the courses offered by other departments:** NA
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	Nil
Assistant Professors/ Lecturer	3	Nil

No teacher has been deployed by the DHE hence the classes are managed by the hiring guest faculties.

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.):** NA

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
-	-	-	-		-	-

11. **List of senior visiting faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** NIL
13. **Student -Teacher Ratio (programme wise):** 109:3 (Hons., 02 Guest Faculty)
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** Nil
15. **Qualifications of teaching faculty with DSc/ D.Litt/ PhD/ MPhil / PG.:** NIL
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil
17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
18. **Research Centre /facility recognized by the University:** Nil
19. **Publications:** Nil
 - Publication per faculty: Nil
 - Number of papers published in peer reviewed journals (national): Nil
 - Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NIL
 - Monographs: Nil

- Chapter in Books: Nil
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: NIL
- Citation Index: NIL
- SNIP: NIL
- SJR: NIL
- Impact factor: NIL
- h-index: NIL

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

National committees b) International Committees c) Editorial Boards: NIL

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/ programme: Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

- a) National: NIL
- b) International: NIL

26. Student profile programme/course wise:

Name of the course/ programme	Applications received	Selected/ Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading Arts steam as university rules.	64	33	31	NA

27. Diversity of Students:

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
Political Science (Hons.)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: NIL

29. Student progression:

Student progression	Against % enrolled
UG to PG	56%
PG to M.Phil.	NA%
PG to Ph.D.	NA%
Ph.D. to Post-Doctoral	NA%
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	NIL NA
Entrepreneurship/Self-employment	35%

30. Details of Infrastructural facilities

- a) Library: A seminar library is functional in the Department with 30 books.
- b) Internet facilities for Staff & Students: Staff & Students avail internet facility at the common computer lab.
- c) Class rooms with ICT facility: NA
- d) Laboratories: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies:

All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.) and differently abled students of the department receiving financial assistance from the government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Students are participating in seminar, debate and other competitions.

33. Teaching methods adopted to improve student learning

Faculties use modern teaching aids for teaching.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

No such activities are presently done

35. SWOC analysis of the department and Future plans

- **Strengths:** Receptive and disciplined students.
- **Weakness:** Paucity of Staff
- **Opportunities:** Higher study of the students.
- **Challenges:** Improve the educational quality and the vision of the students.

Evaluative Report of the Department of Zoology

1. **Name of the department:** Department of Zoology
2. **Year of Establishment:** 1970-71
3. **Names of Programmes / Courses offered** (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): U.G., BSc, Honours
4. **Names of Interdisciplinary courses and the departments/units involved:**
Botany and Chemistry Departments are involved
5. **Annual/ semester/choice based credit system (programme wise)**
 - BSc first year (2015-16): CBCS, semester system
 - BSc Second year and final year: Annual system
6. **Participation of the department in the courses offered by other departments**
Department teaches Zoology as an elective course for Botany department and Environmental studies for students of BA and BCom streams
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts:**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors/ Reader	Nil	Nil
Assistant Professors/ Lecturer	3	1

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ PhD/ MPhil etc.)**

Name	Qualification	Designation	Specialisation	No. of years of Experience		No. Of PhD students guided for the last 4 years
				Teaching	Research	
Dr Pratyush P. Mohapatra	PhD	Lecturer	Animal taxonomy, Wildlife biology	2.0	6	Nil

11. **List of senior visiting faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** 25% (Maximum 39 classes per month)
13. **Student -Teacher Ratio (programme wise):** 99:2 (Hons., 01 Guest Faculty)
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sl. No.	Name of the post	Sanctioned	Filled
	Demonstrator	2	1
	Laboratory attendant	1	1
	Specimen Collector	1	1

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:**
Dr Pratyush P. Mohapatra, MSc, PhD
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

- 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
- 18. Research Centre /facility recognized by the University:** Nil
- 19. Publications:**

Publication per faculty: Dr Pratyush P. Mohapatra

- Number of papers published in peer reviewed journals (national / international) by faculty and students: 28 by faculty and 01 by students
- Number of publications listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 20
- Monographs: Nil
- Chapter in Books: 08
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: 07
- Citation Index: 36
- SNIP: Nil
- SJR: Nil
- Impact factor: 06
- h-index: 03

- 20. Areas of consultancy and income generated:** Nil

- 21. Faculty as members in**

National committees b) International Committees c) Editorial Boards....

- Dr Pratyush P. Mohapatra is member in the following national and International committees/ Organisations
- Member, IUCN-Viper Specialist Group.
- Member, Emergency Network (ERN), Wildlife Trust of India and International Foundation for Animal Welfare (IFAW). ID number: ERN/EA/0105.
- Member, Utkal University Zoological Association, Odisha, India
- Executive body member, Nature Environment, Wildlife Society, Angul, Odisha.
- Executive body member, Centre for Biodiversity Conservation, Odisha, India.
- Advisor, Snake Research Organization, Ujjain, Madhya Pradesh.

- 22. Student projects**

- a) Percentage of students who have done in-house projects including inter departmental/ programme: 100% of our students carryout in-house projects for their practical session.
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

- 23. Awards / Recognitions received by faculty and students**

Dr Pratyush P. Mohapatra has received the following awards and recognitions as follows

- a. Honorary Wildlife Warden, Khurda District, Ministry of Environment and Forests, Govt. of Odisha, w.e.f. 31st August, 2012
- b. First prize for Poster presentation during 21st International Conference on Bear Research and Management (IBA-2012), held at New Delhi during 26-30 November-2012.

- c. "Green Hero Award" by CMS Vatavaran, Environment and Wildlife Film festival forum, Bhubaneswar
- d. Commended for outstanding work in protection of wildlife in Orissa by Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden, Orissa
- e. "Snake conservation awareness award" by Orissa Environmental Society, Bhubaneswar, Orissa.
- f. Honored with a name of an Opilion (Arachnida) *Indiacarus pratyushi*.

Reference: Das, N. P. I and Bastawade, D. B. (2007): The first report of the acarine suborder Opilioacarida from India, with description of new genus, Indiacarus, and a new species, Indiacarus pratyushi. *Acarologia*, 47: 3-11. ISSN 0044-586-X
http://fr.wikipedia.org/wiki/Indiacarus_patyushi

International Awards/ Grants

- g. Charles Stearn's Grant-in-Aid for Herpetological Research. California Academy of Sciences, San Francisco, USA.
- h. Travel Grant. National Museum of Natural History, Smithsonian Institution, Washington-DC, USA.

24. List of eminent academicians and scientists / visitors to the department

- Prof. Sushil Kumar Dutta
Professor Emeritus
Indian Institute of Sciences, Bengaluru
- Dr Bibhas Pandav
Scientist-E
Wildlife Institute of India, Dehradun, Uttarakhand, India
- Dr Karthik Sankar
Centre for Environment Conservation
Indian Institute of Sciences, Bengaluru, India
- Mr Asish Behera
Divisional Forest Officer
Berhampur Division
- Dr Prasad Kumar Dash
Botanist, Odisha Biodiversity Board, Bhubaneswar, Odisha
- Dr. Satyanarayan Mishra
Curator, Indiragandhi Zoological Park, Rourkela
- Dr Satya Ranjan Behera
Zoologist, Odisha Biodiversity Board

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National: Nil
- b) International: Nil

26. Student profile programme/course wise:

Name of the course/ programme	Applications received	Selected/ Admitted 2015-16	Enrolled (2015-16)		Pass percentage (approximately)
			Male	Female	
Honours	Not Clear, because all the applications are receive under heading Biological science steam as university rules.	62	31	31	NA

27. Diversity of Students

Name of the course	% of students from the same state	% of students from other states	% of students from Abroad
Zoology (Hons.)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc. : Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	62 %
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	Nil
• Other than campus recruitment	10 %
Entrepreneurship/Self-employment	28 %

30. Details of Infrastructural facilities

- a) Library: A seminar library is functional in the Department with more than 110 books.
- b) Internet facilities for Staff & Students: Department is well equipped with Wi-fi internet facility for students and staff members.
- c) Class rooms with ICT facility: The class room is equipped with projector and other modern teaching aids. For teaching use of charts, photographs, posters and presentations are used.
- d) Laboratories: One

31. Number of students receiving financial assistance from college, university, government or other agencies

All SC, ST, OBC (OBC students Who have secure above the 50% Mark in last exam.) and differently abled students of the department receiving financial assistance from the government.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

All the students are delivering seminar talk which is mostly attended by external experts.

33. Teaching methods adopted to improve student learning

Apart from class room teaching the students are exposed to various field and practical oriented training. The students are trained to prepare models of biochemical molecules, amino acids, nucleotides etc. related to their course. They are also taken to nearby industries, farms and community driven small scale industries to get a thorough idea about the subjects. Our students were taken to various protected areas to learn about the management strategies followed for biodiversity conservation. During 2015 the students visited Lakharivalley wildlife sanctuary and submitted reports. They were given on-field assignments to study quadrates and sampled various taxa. For ecology related practical, they regularly carryout field surveys and generate firsthand information from field.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The faculty members are actively involved in delivering lectures in the nearby schools and villages. The students take part in various wildlife censuses carried out by the forest department. The faculty and the students have conducted nine snake awareness programmes in different villages of Chatrapur and Ganjam block so far. In the programmes the local villagers were explained about potentially dangerous snakes of Odisha and the methods for first-aid treatment to reduce snakebite deaths. These programmes were conducted in collaboration with the Youth Red Cross and Science Society of the college.

35. SWOC analysis of the department and Future plans

Strengths:

- The department encourages students for higher studies and are updated with various branches of biological sciences.
- The demonstrator of the department, Dr Mansi Rani Bisoy, is a Ph.D holder and has expertise in Cytogenetics.
- The students are disciplined, sincere and have developed research bent of mind.
- The department is maintaining healthy practices in terms of environment consciousness, attitude and welfare.
- Qualified and experienced teaching faculty with more than 15 years of research and teaching experience.
- Round the year assessment of students including online doubt clear.
- Very friendly atmosphere in the department and the students are encouraged to be in touch with the faculties through modern communication systems such as googlegroups and whatsapp.

Weakness:

- Inadequate staff
- Shortage of laboratories
- No infrastructure for seminar library

Opportunities:

- Scope for higher studies and pursue research as a carrier
- Scope for research and horizontal movement
- Research Collaboration

Challenges:

- As this college is situated close to the coast it is always vulnerable to storm/ cyclone related natural calamities and due to saline environment it is difficult to maintain specimens and chemicals in the laboratory. In last two super cyclones (Philine and Hudhud) the department was completely devastated and most of the museum specimens, chemicals and equipments were damaged. Hence it is difficult to maintain the laboratory in the old building. However the college authorities have now planned to shift the department to the science block.
- Having a well equipped animal house and museum is a real challenge. In the CBCS curriculum the students have to carry out practical related to animals.
- Producing students with updated knowledge in the field of Zoology and allied subjects.

36. Publications and other details of faculty: Dr Pratyush P. Mohapatra

Journals

1. Mohapatra, P. P., K.D. Schulz, N. Helfenberger and S. K. Dutta (2015: Accepted). A contribution to the *Coelognathus helena* complex – With the description of a new species from the Eastern Ghat ranges of India (Serpentes: Colubridae). *Sauria*, Berlin.
2. Mohapatra, P. P., S. K. Dutta, A. Das, B. H. C. K. Murthy and V. Deepak (2015: communicated). A new species of *Ahaetulla* Link, (Serpentes: Colubridae) from Oriental region. *Zootaxa*.
3. Majhi, R. K., S. Saha, A. Kumar, A. Ghosh, N. Swain, L. Goswami, P. Mohapatra, A. Maity, V. K. Sahoo, A. Kumar and C. Goswami (2015). Expression of temperature-sensitive ion channel TRPM8 in sperm cells correlates with vertebrate evolution. *PeerJ* 3:e1310 <https://dx.doi.org/10.7717/peerj.1310>.
4. Palei, H. S. and P. P. Mohapatra (2015). Unusual death of two Sambar stags (*Rusa unicolor*) in Similipal Tiger Reserve, Odisha – Eastern India. *Indian Forester*, 141 (10) : 1102, 2015
5. Debata S., H. S. Palei, P. Mohapatra and S. K. Palita (2015). Additional records of Cantor's Leaf-Nosed Bat *Hipposideros galeritus* Cantor, 1846 (Mammalia: Chiroptera: Hipposideridae) in eastern India: Odisha. *Journal of Threatened Taxa* 7(8): 7477–7479; <http://dx.doi.org/10.11609/JoTT.o4247.7477-9>.
6. Mohapatra, P. P. and H. S. Palei (2014). Further record of Large Indian Civet *Viverra zibetha* Linnaeus, 1758 from Odisha. *Journal of Bombay Natural History Society*.
7. Dash, P. K., A. Bhattacharjee, P. Kumar and Pratyush Mohapatra (2015). *Cheirostylis* Blume (Orchidaceae), A new generic record for the Eastern Ghats, India. *Journal of threatened taxa*, 7 (1), 6826-6829.
8. Sajan, S. K. &P. P. Mohapatra (2014). New Record of Lesser Blue Wing *Rhyothemis triangularis* Kirby, 1889 (Odonata: Libellulidae) From Odisha, India. *J. Bombay Nat. Hist. Soc.*, 111(1), pp. 60.
9. Nayak, A. K., M. V. Nair and Pratyush P. Mohapatra (2014). Stripe-necked Mongoose *Herpestes vitticollis* in Odisha, eastern India: a biogeographically significant record. *J. Small Carnivore Conservation*, IUCN, 51, pp: 71-73.
10. Majhi R. K., Saha S, Kumar A, Swain N, Goswami L, Mohapatra, P., Maity, A. A., Sahoo, V. K., Kumar, A. and Goswami, C. (2014). Sperm specific expression of temperature-sensitive ion channel TRPM8 correlates with vertebrate evolution. *PeerJ PrePrints* 2:e440v1 <http://dx.doi.org/10.7287/peerj.preprints.440v1>
11. Mohapatra, P. P., H. S. Palei and S. A. Hussain (2014). A report on the occurrence of Asian small-clawed otter *Aonyx cinerea* (Illiger, 1815) in Eastern India. *Current Science*, 107, No. 3, pp. 367-370.
12. Palei, H. S., Debata, S., P. P. Mohapatra and H. K. Sahu (2013). Indian wolf predation on domestic livestock in Hadgarh Wildlife Sanctuary, Eastern India. *Indian Forester* 139 (10): 895-898, 2013.

13. Agarwal, I., M. Wilkinson, P. P. Mohapatra, S. K. Dutta, V. Giri and D. J. Gower (2013). The first teresomatian caecilian (Amphibia: Gymnophiona) from the Eastern Ghats of India – a new species of *Gegeneophis* Peters, 1880. *Zootaxa*. <http://dx.doi.org/10.11646/zootaxa.3693.4.7>.
14. Debata, S., H.S. Palei, P. P. Mohapatra and A. K. Mishra (2013). First record of Lesser False Vampire bat (*Megaderma spasma*, Linnaeus, 1758) from Sundergarh, Odisha, India. Small Mammal Mail Small Mammal Mail - Bi-Annual Newsletter of CCINSA & RISCINSA 27 (5) Number 1, pp. 26-27.
15. Palei, H. S., P. P. Mohapatra and H. K. Sahu (2013). Dry Season Diet of the Sloth Bear (*Melursus ursinus*) in Hadagarh Wildlife Sanctuary, Eastern India. Proceedings of the Zoological Society, Zoological Society, Kolkata, India, Springer, New York. DOI 10.1007/s12595-013-0070-7
16. Datta-Roy, A., Pratyush P. Mohapatra, Sushil K. Dutta, Varad B. Giri, Deepak Veerappan, Simon T. Maddock, Prudhvi Raj, Ishan Agarwal, & Praveen Karanth (2013). A long-lost relic from the Eastern Ghats: Morphology, distribution and habitat of *Sepsophis punctatus* Beddome, 1870 (Squamata: Scincidae). *Zootaxa*, 3670 (1): 055–062. <http://dx.doi.org/10.11646/zootaxa.3670.1.4>
17. Palei, H. S., A. K. Mishra, P. K. Dash and P. Mohapatra (2013). Biodiversity of Sacred Groves of Koliposh Range in Bonai Division, ORISSA, India, *e-planet* 10 (1) : 20 - 30
18. Palei, H. S., P. P. Mohapatra and H. K. Sahu (2012). Birds of Hadagarh Wildlife Sanctuary, Odisha, Eastern India. *World Journal of Zoology*, 7 (3), pp: 221-225.
19. Palei, H. S. and P. P. Mohapatra (2011). Sighting of Black-bellied tern in Samal Reservoir of Angul District, Odisha. *Newsletter for Birdwatchers*, 51 (4), pp. 61.
20. Palei, H. S., P. P. Mohapatra, S. K. Dutta, L. A. K. Singh, H. K. Sahu, S. D. Rout (2011). Avifauna of Karlapat wildlife sanctuary, Southern Orissa, India, *Indian Forester*, 137 (10): 1197-1203.
21. Mohapatra, P. P. (2011). *Bungarus caeruleus* (Common Krait): scavenging. *Herpetological Review*, 42 (3): 436-437.
22. Kar, N. B., P. P. Mohapatra, A. Das and S. K. Dutta (2011). *Hylarana malabarica* (Fungoid frog): predation. *Herpetological Review*, 42 (2): 259.
23. Mohapatra, P. P. (2010). Notes on Feeding Behaviour of *Sibynophis sagittarius* (Cantor, 1839) (Serpentes: Colubridae). *Hamadryad*. 35 (1): 109-111.
24. Das, A., P. P. Mohapatra, J. Purkayastha, S. Sengupta, S. K. Dutta, M. F. Ahmed and F. Tillack (2010). A contribution to *Boiga gokool* (Gray, 1835) (Reptilia: Squamata: Colubridae). *Russian Journal of Herpetology*, 17 (3): 161-178.
25. Mohapatra, P. P., S. P. Parida and S. K. Dutta (2010). Report of *Xenochrophis schnurrenbergeri* Kramer, 1977 (Serpentes: Natricidae) from Orissa, India. *Russian Journal of Herpetology*, 17 (2): 94-97.
26. Mohapatra, P. P., A. Das and S. K. Dutta (2010). *Psammodynastes pulverulentus*, range extension from Eastern Ghats, Andhra Pradesh. *Herpetological Review*, 41 (1), 111.

27. Dash, P. K., P. P. Mohapatra and Y. Giri Rao (2009). Diversity and distribution pattern of tree species in Niyamgiri hill ranges, Orissa, India. *Indian Forester*, 135 (7), pp. 927-942.
28. Mohapatra, P. P., A. Das, F. Tilak and S. K. Dutta (2009). Taxonomy, Natural History and distribution of *Boiga forsteni* (Dumeril, Bibron et Dumeril, 1854) (Serpentes: Colubridae) from Orissa, India. *Russian Journal of Herpetology*, 16 (4), pp. 243-252.
29. Mohapatra, P. P., S. Parida, S. Mishra and S. Ranjanee (2007). Managing urban snake menace : a rescue model employed in Bhubaneswar. E-Planet, 5 (1) : 28-32.
30. Mohapatra P. P. and S. K. Dutta (2004). Venomous snakes and snake bites in Orissa. E-Planet, 2 (2) : 117-120.

Books

31. *Odishara Saapa Katha* (2015). Pratyush P. Mohapatra, Sushil Kumar Dutta and Cuckoo Mahapatra. Nature, Environment and Wildlife Society, Angul, Odisha. PP-58.
32. *Ecotourism- A biodiversity management initiative of Odisha Forestry Sector Development Project* (2014). P. P. Mohapatra, D. Singh, A. C. Panda, P. K. Dash and V. Sarkar. OFSDP, Department of Environment and Forests, Govt. of Odisha, Bhubaneswar, pp.140.
33. *Glimpses of Biodiversity of Odisha* (2015). Odisha Biodiversity Board, Regional Plant Resource Campus, Nayapalli, Bhubaneswar, Odisha, pp. 85.
34. *Biological diversity of Regional Plant Resource Centre, Bhubaneswar* (2014). P. C. Panda, P. P. Mohapatra, C. Kalidass and A. K. Biswal. RPRC, Bhubaneswar, Odisha. pp. 1-80. ISBN 978-81-927791-3-3
35. *Amphibians of Nandankanan Biological Park* (2013). P. P. Mohapatra, M. V. Nair and S. Panda. Director, Nandankanan Biological Park, Govt. of Odisha, pp. 1-57, ISBN 13-978-920657-0-3.
36. *A Field guide for beginners: Butterflies of Bonai, Odisha.* (2012). P. P. Mohapatra, V. Sarkar, A. K. Mishra and M. V. Nair. Odisha Forestry Sector Development Project, Government of Odisha, Ministry of Environment and Forests, Bhubaneswar, Odisha, India. Pp. 1-212.
37. *Vertebrate Fauna of Hadgarh Wildlife Sanctuary, Odisha* (2012). H. K. Sahu, P. P. Mohapatra, B. K. Parida, H. S. Palei and S. K. Dutta. Himalaya Publishing House Pvt. Ltd.
38. *Saapa (=Snakes) in Odia language.* P. P. Mohapatra (2012). Nature Environment Wildlife Society, Angul, Odisha, India. Pp. 1-29.
39. *Biodiversity diary: TRB Iron ore Mines, Tensa, Sundargarh, Orissa* (2011). P. P. Mohapatra, H. S. Palei, A. K. Mishra, S. Mishra and S. K. Dutta. Jindal Steel and Power Limited, India. pp. 1-36.
40. *Amphibians and Reptiles of Simlipal Biosphere Reserve* (2009). S.K. Dutta, M.V. Nair, P.P. Mohapatra and A.K. Mahapatra. Regional Plant Research Centre, Ministry of Environment and Forests, Bhubaneswar, Odisha, India, pp. 1-174. ISBN: 81-900920-7-3.

Book Chapters

41. Mohapatra, P. P. and S. R. Behera (Accepted). Threatened animals of Odisha; in *Faunal diversity of Odisha*. Odisha Biodiversity Board, Bhubaneswar, Odisha.
42. P. P. Mohapatra (Accepted). Mammals of Odisha; in *Faunal diversity of Odisha*. Odisha Biodiversity Board, Bhubaneswar, Odisha.
43. S. K. Dutta & P. P. Mohapatra(Accepted). Reptile fauna of Odisha; in *Faunal diversity of Odisha*. Odisha Biodiversity Board, Bhubaneswar, Odisha.
44. S. K. Dutta & P. P. Mohapatra(Accepted). Amphibian fauna of Odisha; in *Faunal diversity of Odisha*. Odisha Biodiversity Board, Bhubaneswar, Odisha.
45. Mohapatra, P. P., P. W. J. Choudhury and S. K. Dutta (2010). Mahendragiri: the herpetofaunal refuge in Eastern Ghats. In "Mahendragiri", Published by Orissa Environmental Society, pp. 145-171. ISBN: 81-900256-9-4
46. Mohapatra, P. P., B. Mohanty and S. K. Dutta (2009). Fresh water turtles and tortoises of Orissa. In *Fresh water turtles and tortoises of India*, edited by K. Vasudevan, published by ENVIS, Wildlife Institute of India, Dehradun, India, Chapter 8, pp. 73-80. ISSN: 0972-088X.
47. Dash, P. K., S. Sahoo, P. P. Mohapatra and D. K. Sahu (2008) Biodiversity of Mangrove ecosystems of Orissa and its conservation, with special reference to Bhitarkanika National Park. In "Biodiversity: Impact and Assessment", edited by P. C. Trivedi, Pointer Publishers, Jaipur, India, ISBN: 81-7132-580-1.
48. Mohapatra, P. P., Dutta S. K. and Mohanty A. K. (2007). Living with the snakes: a dwindling art. In "Biodiversity", Asiatic Publishing House, New Delhi. ISBN: 978-81-313-0267-5.

Proceedings

49. Mohapatra, P. P. (2014). On the verge of extinction: status of endangered species in Odisha. In workshop on biodiversity conservation. Organized by Aranyani and supported by Ministry of Environment and Forests, Govt. of India on 19th Feb, 2014 at Bhubaneswar, Odisha, pp. 26-33.
50. Mohapatra, P. P., S. Mishra, A. K. Mohanty and S. K. Dutta (2006). Snakes of Medical importance in Orissa. Proceedings of the 10th Orissa Bigyan Congress, Bhubaneswar, pp. 86-90.

Popular science articles

1. P. Mohapatra (2015). Understand value of Environment to bring about reformation. My City Links (June 5-18), pp. 6.
2. Mohapatra P. P. (2008). *Ahiraj sapa*. Bana barata, 42: 29
3. Mohapatra P. P. (2008). *Odishara sapa- eka sankhipta chirana* . Bana barata, 40: 32-33.
4. Mohapatra P. P. and B. Mishra (2007). *Egara mouza ra prakrutika sampada*. Bana barata, 38: 20-21.
5. Mohapatra, P. P. (2007). Unravelling Dhamra's secrets. Sanctuary Asia, 27 (4). 54-55

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Post-Accreditation Report

The Peer Team, after observing the strengths and weaknesses of Government Science College, Chatrapur, made the following recommendations for its future development:

- 1. The College should introduce need-based and job-oriented courses either as elective subjects or as add-on options. The College may start self-financing courses on Communicative English and Computer Applications. Training programmes in tailoring, food processing, mushroom cultivation, handicrafts etc. may motivate students to go for self-employment. A short programme on entrepreneurship may also be helpful to the graduating students.**

In regard to recommendation number 1, letter of request to the Director of Higher Education, Odisha has been sent to see changes in the syllabus pattern so that need-based and job-oriented courses can be included in the curriculum. Communicative English is one of the courses in the new CBCS pattern introduced by Khallikot Cluster University, a newly formed university functioning from 2015. Steps have been taken to introduce computer application course as one of the self-funding courses. The infrastructural facility of the college is not adequate to conduct any training programme or introduce any add-on course. Still, we will try to seek the best opportunity to introduce possible courses in near future. Time to time different seminars has been conducted to help facilitate avenues for students aspiring promising career for entrepreneurship.

- 2. There is a possibility of industrialization of the area in near future. The College should gear itself to provide suitable manpower for the industries and also cater to the academic needs of the children of the industrial townships.**

The NAAC Peer team's visualization of the possible industrialization of this area has really been translated and Tata Company, of late, has started building up an industrial park around 10 Kms. from Chatrapur. Another enterprise namely Saraf Titanium is coming into production of its goods shortly. In the mean time student strength has been noticeably increased and in tune with the present necessity, the course structure of the college has been tailored such a way so that maximum could be harvested by the students. Thus, they will be self-sufficient and independent. Besides, the students of college may be able to cater to the academic needs of the children of the industrial township.

- 3. The departments teaching at post-graduate level may be strengthened by appointing more whole time teachers so that expertise in different specializations in the subjects is available. Some guest teachers may also be invited to deliver series of lectures to supplement the regular classes.**

The recommendation citing the strengthening of post-graduate department by appointing more whole time teachers can only be fulfilled at the level of the apex body i.e. Department of Higher Education, Government of Odisha. Many letters from this college have been sent to fill the vacancy, but the situation has improved to a very little extent. Of late, the PG department of Odia has been able to have four teachers including Principal.

But in case of the PG Department of History, there is none as a regular staff. The department is just managed by three guest lecturers being appointed as guest lecturers, their duration of service is very short and thus they are unable to fulfill the demands of the students of history. The situation can be improved only by the conducive step to be taken at Government level. On this ground of scarcity of the teachers, student-strike has a common feature in the campus. Still, we hope that, on the basis of the recommendation of OPSC, Lecturer posting will be made for this college.

4. The College may introduce coaching classes for students intending to appear in competitive examinations.

The course structure of the affiliating universities viz., BU and KCU has been prepared in the tune of the various competitive examinations at state and national level. Classroom teaching is offered, keeping in view, the pattern of questions set in competitive exams. The students desirous of appearing in such exams are grouped separately for special coaching.

5. Students of B.Sc. have no exposure to the laboratory during the first year of study. The College may try to introduce some laboratory work for these students to train them in laboratory practices.

The college is affiliated to Berhampur University which has made this provision of not keeping laboratory work for the students of first year degree class. However, from this academic session 2015-16, this college has come under Khallikot Cluster University and as per its new course structure, the first year degree students have practical in both the semesters. In their first semester, they are preparing for practical exam in respective laboratories.

6. The College may make an effort to impart Value Education through invited lectures. Lectures on secularism, convergence of religious thought, human rights, evils of dowry system, eradication of superstitions, social equality and justice, environmental issues, etc. may be organized on regular basis.

The college has taken initiative to conduct seminars, workshops etc. in order to inculcate awareness towards human rights, eradication of superstitious activities prevailing in the society. On social equity and justice, meetings have been held inviting the judges to deliver talks. Environmental awareness programmes are held usually in the month of June every year, after the reopening of the college i.e. in the third week of June.

7. The College has a qualified whole-time teacher of Physical Education. It may try to involve more students to participate in sports and physical education activities. Girls in particular may be encouraged to join sports activities.

The college already has a qualified whole-time PET. He takes due care to involve the students with the university-sponsored matches in hockey, volleyball, cricket etc. The annual sports of the college are carried out under his guidance. He has developed sports

spirit among the students who have won many medals and prizes in inter-college and inter-university competitions.

8. Though quite a few of the teachers are involved in research, the College may encourage other teachers to undertake research projects, preferably on topics that are relevant to local and present day needs.

The college encourages the teachers to undertake research projects. However, due to transfer policy of the Government many young teachers have to suffer and they fail to continue their research work. Sometimes, their undertaken projects are to be dropped.

9. The College may try to provide computers for teachers of all departments, either by creating a centralized computer facility or by providing each department with at least one computer. Teachers, who are not familiar with computers may be given training in computer use. They should also have access to the Internet.

The recommendation of the Peer Team has been carried out by providing computers to many departments especially, the science departments. It had been planned to execute a computer-literacy programme among the student, but due to unforeseen natural disasters, this programme was postponed.

10. Frequent replacement of the Head of the College has affected the development of infrastructure, especially the construction of new buildings in the past. The Governing Body may constitute a standing committee to prepare and pursue proposals for building construction.

It is a fact that the frequent changes of the Head of the institution severely affect the development procedure, academic atmosphere as well as infrastructural works. But the college is undone at this point. It is at government level that, the replacement of principals is made.

11. The College draws students from distant places. It may try to develop the existing snack shop into a proper canteen. A Canteen Committee may be established to look after the cleanliness of the canteen and quality and price of the food served. Many students would be benefited if the College provides hostel accommodation. The College may seek UGC assistance for construction of hostels, especially for girls.

The college has already acquired land for building of Boys' hostel. The process has been delayed due to some unforeseen natural disaster like Phailin and Hudhud. A canteen has been set up to meet the need of the students coming from distant places. The college has taken steps to construct a hostel for girl students.

12. There is scope for enhancing the greenery of the campus. Plantation of trees yielding timber would be beneficial for the environment and profitable in the long run.

Steps have already been taken for enhancing the greenery of the campus. However, the green- scenario inside the campus has been shattered by the natural calamities in the years 2013 and 2014. However, plantation scheme has again been undertaken to recently.

13.The Alumni Association may be motivated to contribute to the development of the College in a suitable manner.

The Alumni Association of this college is a registered organisation. The members of Alumni Association visit the college and discuss with the principal and senior members on the topics based on students' interest and overall development of the college.

Recommendations of the Hon'ble Peer Team have been found valuable to us. The College has benefited much by implementing the guidelines as shown in above points.

Declaration

I certify that the data included in the Self-Study Report of Government Science College, Chatrapur, Odisha are true to the best of my knowledge. The SSR is prepared by the institution after internal discussion and no part thereof has been outsourced.

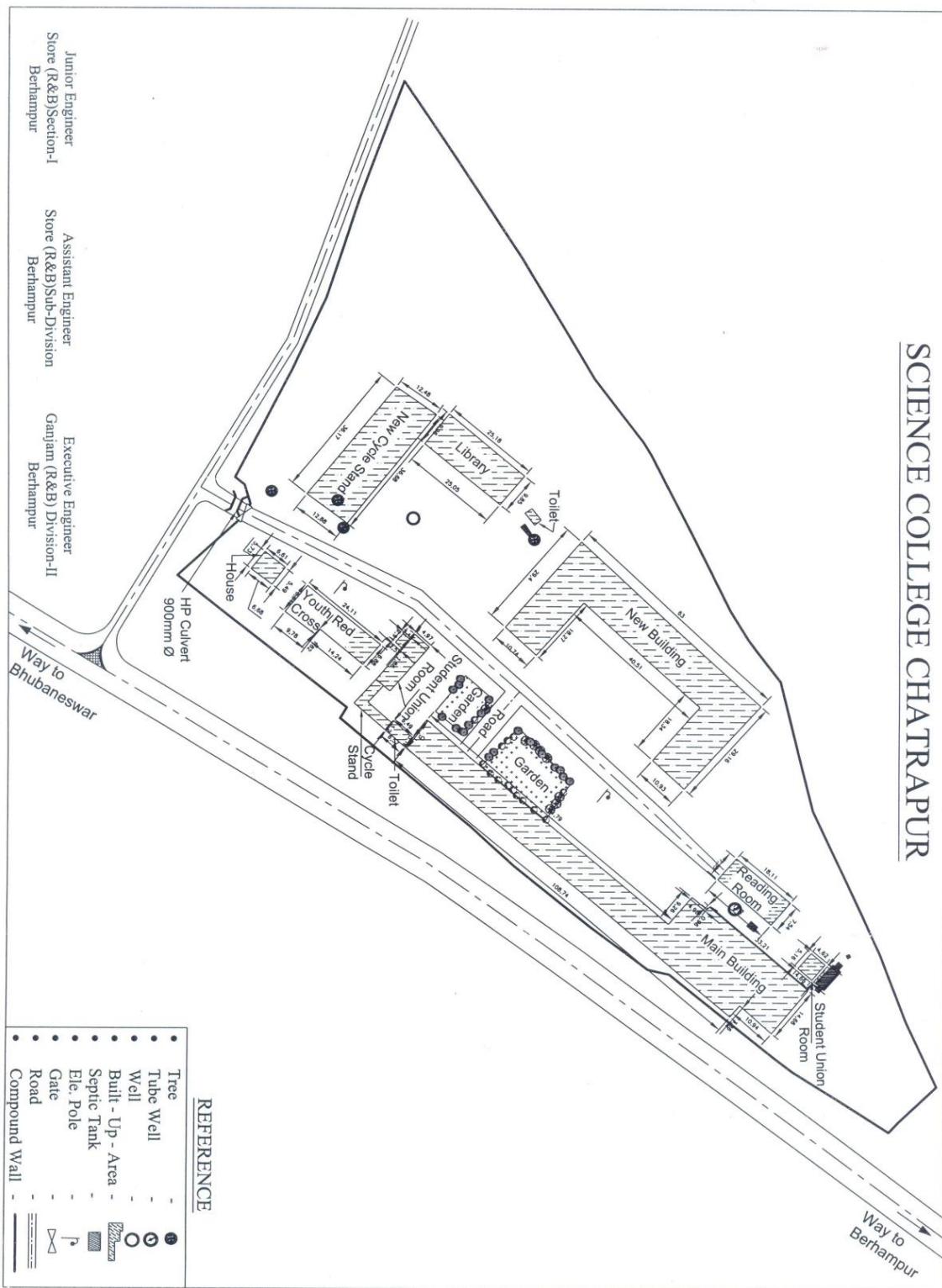
I am also aware that the Peer Team will validate the information provided in the SSR when they visit the college.



12.1.2016
Principal
(Dr Pramod Kumar Dwibedi)

Annexure-1

Master Plan of Government Science College, Chatrapur



Annexure-1
NAAC Accreditation certificate



Quality Profile

Name of the Institution : Government Science College
Place : Chatrapur, Dist. Ganjam, Orissa

Criterion	Criterion Score (C _i)	Weightage (W _i)	Criterion X Weightage (C _i x W _i)
I. Curricular Aspects	70	10	700
II. Teaching-learning and Evaluation	70	40	2800
III. Research, Consultancy and Extension	84	05	420
IV. Infrastructure and Learning Resources	72	15	1080
V. Student Support and Progression	70	10	700
VI. Organisation and Management	65	10	650
VII. Healthy Practices	70	10	700
	100		$\Sigma C_i W_i = 7050$

$$\text{Institutional Score} = \frac{\sum C_i W_i}{\sum W_i} = \frac{7050}{100} = 70.50$$


K. Karanad
 Director

Appendix-3
2(f) and 12 B certificate

Berhampur University, Berhampur

Name and address of the college	Status	Year of Estb.	Nature of Affiliation	Teaching Upto	Govt or Non Govt	Aided or Unaided
Governmnet Science College Chatrapur District Ganjam Odisha	2(f) and 12(B)	1969	Permanent	Bachelor's	Non Government	
Gunupur College Gunupur District Rayagada Odisha	2(f) and 12(B)	1976	Permanent	Master's	Non Government	
Hill-Top Degree College Mohana – 761 015 Dist. Gajapati Odisha	2(f) and 12(B)	2000	Permanent	Bachelor's	Non Government	Aided
Jeypore Law College Jeypore District Koraput Odisha	2(f) and 12(B)	1981	Permanent	Bachelor's	Non Government	
K.S.U.B. College Bhanjanagar District Ganjam Odisha	2(f) and 12(B)	1960	Permanent	Bachelor's	Non Government	
Kabi Samrat Upendra Bhanja College of Teacher Education Bhanjanagar (Ganjam) Odisha	2(f) and 12(B)	1981	Permanent	Bachelor's	Government	
Kabisurya Baladev Vigyan Mahavidyalaya Kabisurya Nagar, Ganjam 761 104 Odisha	2(f) and 12(B)	1990	Permanent	Bachelor's	Non Government	
Kalinga Mahavidyalaya G. Udayagiri District Kondhmalal Odisha	2(f) and 12(B)	1980	Permanent	Bachelor's	Non Government	
Khallikote (Autonomous) College Berhampur (Ganjam) District Ganjam Odisha	2(f) and 12(B)	1978	Permanent	Bachelor's	Government	
Khallikote Evening College Berhampur District Ganjam - 760 001 Odisha	2(f) and 12(B)	1963	Permanent	Bachelor's	Government	