

# GSCC

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

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

### Part – A

AQAR for the year *(for example 2013-14)*

2015-2016

#### 1. Details of the Institution

1.1 Name of the Institution

Government Science College,

1.2 Address Line 1

-

Address Line 2

Adjacent to NH 5

City/Town

CHATRAPUR

State

ODISHA

Pin Code

761020

Institution e-mail address

principalgsc@gmail.com

Contact Nos.

06811-262621

Name of the Head of the Institution:

Dr Pramod kumar Dwibedi

Tel. No. with STD Code:

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHCOGN 18879)

OR

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

1.5 Website address:

Web-link of the AQAR:

#### 1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B		2006	
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

01.06.2014

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

- i. AQAR 16/01/2016 (DD/MM/YYYY)4
- ii. AQAR 22/12/2016 (DD/MM/YYYY)
- iii. AQAR \_\_\_\_\_ (DD/MM/YYYY)
- iv. AQAR \_\_\_\_\_ (DD/MM/YYYY)

1.9 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College  Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financ

1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

Berhampur University\*

\*The college became part of Khallikote Cluster University from this year, hence the first year students are under the newly formed university where as the second and final year students belong to Berhampur University.

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

Autonomy by State/Central Govt. / University

NO

University with Potential for Excellence

NA

UGC-CPE

NA

DST Star Scheme

NA

UGC-CE

NA

UGC-Special Assistance Programme

NA

DST

NA

UGC-Innovative PG programmes

NA

Any other (*Specify*)

NA

UGC-COP Programmes

NA

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

07

2.2 No. of Administrative/Technical staff

Nil

2.3 No. of students

02

2.4 No. of Management representatives

NIL

2.5 No. of Alumni

Nil

2.6 No. of any other stakeholder and

02

community representatives

2.7 No. of Employers/ Industrialists

Nil

2.8 No. of other External Experts

Nil

2.9 Total No. of members

11

2.10 No. of IQAC meetings held:

12

2.11 No. of meetings with various stakeholders:

Non-Teaching Staff

02

Students

02

Alumni

01

Others

01

Faculty

06

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

If yes, mention the amount

3,00,000/-

2.13 Seminars and Conferences (only quality related)

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

Total Nos.

22

International

National

State

Institution Level

(ii) Themes

CBCS and preparation of SSR, teaching and learning process

2.14 Significant Activities and contributions made by IQAC

- IQAC has organized ten interactive seminars among the teaching staff and students to generate awareness regarding CBCS, a newly introduced syllabus.
- Students were made aware about various competitive examinations and fellowships available at national and international level.
- One student (Rakesh Kumar Muni, Department of Zoology) got selected for Summer Research fellowship organized by Indian Academy of Science and worked at Jawaharlal Nehru Centre for Advance Studies, Banglore.
- In collaboration with YRC, the IQAC encouraged the local community for social activities like blood donation and cleanliness drive.

2.15 Plan of Action by IQAC/Outcome

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

Plan of Action	Achievements
1) To facilitate newly introduced CBCS syllabus. 2) To organize departmental students' Seminar by inviting experts, as and when possible. 3) Carrier counselling meeting	1.)Two meetings for teaching staff and one meeting for students were organized during this session. 2.)A total of 36 students' seminar were organized by various departments during the year 2015-16. 3.)The IQAC along with the Carrier Counselling Cell of the college, organized a seminar for science students on "Scopes and prospects in higher studies in Science".

\* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

Proposals were placed before the college management. Suitable actions will be taken.

## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD				
PG	01	NIL	NIL	NIL
UG	03	NIL	NIL	NIL
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
<b>Total</b>	04	NIL	NIL	NIL

Interdisciplinary				
Innovative				

√

##### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	04
Trimester	
Annual	

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students

*(On all aspects)*

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure*

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

NO

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

NO



## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	16	10	06	NIL	--

2.2 No. of permanent faculty with Ph.D. 13

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	NIL		NIL		NIL		NIL		NIL	

2.4 No. of Guest and Visiting faculty and Temporary faculty 07

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	03	07	05
Presented	03	04	03
Resource Persons		01	05

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

- Smart class rooms in Science departments replaced black board teaching.
- Power point presentations on course materials were made available to students for their better understanding.
- Students of all departments were encouraged to deliver seminar talks on topics related to their course.
- Unit tests were conducted after completion of each unit to enhance the writing skill.
- Students of all departments were encouraged to prepare articles for the wall magazine to enhance their creativity.

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

180 days

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

Yes, as per university rule.

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

3 faculties were member of board of study members

2.10 Average percentage of attendance of students

83%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
BA	103	12	04	37	30	72%
BSC	55	22	18	12	12	80%
B.COM	41	20	15	12	13	98%

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

The IQAC monitor and evaluate the teaching & learning process by conducting frequent meetings with various stake holders.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	05
UGC – Faculty Improvement Programme	
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	
Others	

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	02	04	NIL	NIL
Technical Staff	04	04	NIL	NIL

### Criterion – III

#### 3. Research, Consultancy and Extension

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

Workshop has been conducted with teaching staff regarding research methodology & sources of funds.

##### 3.2 Details regarding major projects NIL

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

##### 3.3 Details regarding minor projects NIL

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

##### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	05	01	04
Non-Peer Review Journals			
e-Journals			
Conference proceedings		02	

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

Range  Average  h-index  Nos. in SCOPUS

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

	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Minor Projects				
Interdisciplinary Projects				

Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify)				
Total				

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

3.9 For colleges Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution	Level	International	National	State	University	College
	Number	NIL	NIL	NIL	NIL	NIL
	Sponsoring agencies	NIL	NIL	NIL	NIL	NIL

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

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College

Total

3.16 No. of patents received this year

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

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

Total	International	National	State	University	Dist	College
NIL	NIL	NIL	NIL	NIL	NIL	NIL

3.18 No. of faculty from the Institution who are Ph. D. Guides:  
and students registered under them

02
02

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

NIL
-----

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

JRF 

NIL
-----

    SRF 

NIL
-----

    Project Fellow 

NIL
-----

    Any other 

NIL
-----

3.21 No. of students Participated in NSS events:

University level 

01
----

    State level 

01
----

    National level 

01
----

  
International level 

00
----

3.22 No. of students participated in NCC events:

University level 

--

    State level 

--

  
National level 

--

    International level 

--

3.23 No. of Awards won in NSS:

University level 

00
----

    State level 

00
----

  
National level 

00
----

    International level 

00
----

3.24 No. of Awards won in NCC: University level  State level   
National level  International level

3.25 No. of Extension activities organized University forum  College forum   
NCC  NSS  Any other

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

- The teaching staff members were invited as guests in various institutions.
- Some teaching staff members were also invited as judges to evaluate district and state level competitions including science exhibitions and various competitions.
- Village level awareness programmes were conducted in Taraipatapur, Kumarabegapalli, Humara and purunapatna villages.

## Criterion – IV

### 4. Infrastructure and Learning Resources

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

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	4.1acres	---	---	---
Class rooms	21	07		
Laboratories	06	Nil		
Seminar Halls	01	01		
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Scientific equipments		State grant	35L
Value of the equipment purchased during the year (Rs. in Lakhs)	15L	20L		35L
Others	Nil	Nil		

#### 4.2 Computerization of administration and library

Computerization of administrative work and library automation are out sourced.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	27262	--	1190	357387	28505	--
Reference Books	5000	--	57	42613	5057	--
e-Books	--	--	--	--	--	--
Journals	500		11	6546	511	--
e-Journals	--	--	--	--	--	--
Digital Database	--	--	--	--	--	--
CD & Video	--	--	--	--	--	--
Others (specify)	--	--	--	--	--	--



#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	17	01		01				
Added	01							
Total	18							

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

Nil
-----

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

i) ICT	0.6L
ii) Campus Infrastructure and facilities	Nil
iii) Equipments	Nil
iv) Others	Nil
<b>Total :</b>	0.6L

## Criterion – V

### 5. Student Support and Progression

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

- IQAC periodically conducts meetings with different stakeholders regarding the student welfare.
- On the basis of different opinions and views, suggestions were communicated to the concerned authority for necessary action.

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

- In order to check the progression related with various aspects, the IQAC receives feedback from students in a datasheet.
- Students and parents also give their suggestions and complaints in the drop-box located near Principal's chamber.
- All the teaching staff submit online Performance Appraisal Report (PAR) to Department of Higher Education, Government of Odisha in the prescribed format..

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

UG	PG	Ph. D.	Others
546	20	---	---

(2015-16)

Sl. No.	Class	Sanctioned Strength	Enrollment
1	+3 Arts	256	230
2	+3 Science	256	248
3	+3 Commerce	256	68
4	P.G. Odia	8	8
5	P.G. History	16	12

(b) No. of students outside the state

Nil

(c) No. of international students

NIL

No	%
286	52.4%

Men

No	%
260	47.6%

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
						239	49	4			

Demand ratio 7          Dropout % 5.6%

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

Few classes were taken to encourage students for competitive examinations

No. of students beneficiaries

#### 5.5 No. of students qualified in these examinations : **Information not available**

NET     SET/SLET     GATE     CAT   
IAS/IPS etc     State PSC     UPSC     Oth

#### 5.6 Details of student counselling and career guidance

The carrier counseling cell organized a seminar for science department students on Scopes and prospects in higher studies in Science.

No. of students benefitted

#### 5.7 Details of campus placement: **None**

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
Nil	Nil	Nil	Nil

#### 5.8 Details of gender sensitization programmes

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 male and female students both have equal priority to take part in different competitions, elections and functions. One such programme on gender sensitization was conducted in collaboration with Department of Health and family welfare.

## 5.9 Students Activities

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

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

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

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

## 5.10 Scholarships and Financial Support

Type of Scholarship [Scholarship per Student in Rs.]	Number of Students		
	Male	Female	Total
<b>P.M.S. (2015-16)</b>			
Medhabruti	36	42	78
SC students	66	59	165
ST students	06	05	11
OBC students	56	43	99
PWD (Banishree scholarship)	03	01	04

	Number of students	Amount
Financial support from institution	Nil	
Financial support from government	357	Money is directly credited to their account
Financial support from other sources	05	40000
Number of students who received International/ National recognitions	Nil	Nil

5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

The Grievance Cell and the Principal listen to the complaints of the students very carefully and take necessary actions. During the session 10 grievances were settled as follows.

S. No.	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

## Criterion – VI

### **6. Governance, Leadership and Management**

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

- 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 promote skill development activities for the students and to facilitate placement of students in different sectors.
- To reach out the unreached youth population and empower them with need oriented and value-based education and to give them training to become partners of National Development Process.
- 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.

#### Mission and broad objectives

- To serve the needs of woman, minority, disadvantaged, disabled students and all sections of society to pursue higher education.
- 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 by importing quality education to meet the national and global challenges.
- To promote the use of ICT Tools in teaching and research.
- 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 promote moral values for building national and humanist character.
- To prepare the candidates for different competitive tests with respect to their part concerning reasoning ability of different sorts.
- To give students a sense of civic duty and disciplined way of life.

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

NO

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

#### 6.3.1 Curriculum Development

Three faculty members were board of studies members at Khallikote Cluster University, Berhampur. Additionally Dr B. B. Panigrahi is board of study member of SBR women's college and Phulbani Autonomous college, Phulbani.

#### 6.3.2 Teaching and Learning

- 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.

#### 6.3.3 Examination and Evaluation

The examination and evaluation process are as per the instructions of Government of Odisha and Berhampur University

#### 6.3.4 Research and Development

- The IQAC encourages faculty members to submit research projects to various funding agencies.
- The IQAC also encourages the faculties to publish quality research papers, books, research papers in refereed journals.
- The IQAC of the college motivates faculty members to organise state/national level seminar/ workshop/conference /symposium.
- Eminent scholars and speakers are invited through IQAC for delivering talks/ extra mural lectures.
- IQAC promote students to attend seminars, workshops and training programs organized at National and state level.

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

Strategies are more influenced by the government plans and action. However, computers, LCD projectors and study materials are procured, which are used for teaching.

### 6.3.6 Human Resource Management

- 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.

### 6.3.7 Faculty and Staff recruitment

Faculty and Staff members are recruited by the Government of Odisha

### 6.3.8 Industry Interaction / Collaboration

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

### 6.3.9 Admission of Students

As per the instructions of Government of Odisha and affiliating university the admission process is carried out.

### 6.4 Welfare schemes for teaching, non teaching and students.

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 leaves are Casual Leave, Earned Leave, Maternity Leave, Academic Leave, Study Leave etc. For students different scholarship schemes are available for their study.

### 6.5 Total corpus fund generated - Nil

6.6 Whether annual financial audit has been done  Yes  No

6.7 Whether Academic and Administrative Audit (AAA) has been done? Not Applicable

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	A.G., Govt. of Odisha		
Administrative	Yes			



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

For UG Programmes    Yes     No

For PG Programmes    Yes     No

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

Not Applicable

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

Not Applicable

6.11 Activities and support from the Alumni Association

The association monitors the college curriculum related with academic quality and student activities. The association also offers suggestions to improve the overall academic environment.

6.12 Activities and support from the Parent – Teacher Association

Meetings and interaction programs are organised regular basis to inform parent about the student progression and to listen the problems and suggestions from them.

6.13 Development programmes for support staff

Training programs are organised at college level as well as at State level to enhance the skill and capacity of the support staff.

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

- Plantation programs have been conducted in the campus with the help of NSS and Youth Red Cross.
- The campus is maintained polythene free.
- The campus is tobacco free.

## Criterion – VII

### 7. Innovations and Best Practices

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

- 1.) Environment Consciousness
- 2.) The college authority takes all measures to maintain eco-friendly and green environment in the campus.
- 3.) Energy and water conservation have been practised.
- 4.) Use of solar energy in the college campus.
- 5.) Massive Plantation programmes started.
- 6.) Inclusion of a course on “Environmental Studies” in the curriculum itself.

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

Action plan	Progress
Faculties and staff members to be student friendly.	Most of the staff members are student friendly which has created healthy atmosphere in the college.
Parent-teacher interface to intimate student progression.	Two parent-teacher meetings were organized by IQAC and these have tremendous impact on students.
Suggestion and assistance of Alumni association to be made use of for constructive activities.	The Alumni association has always extended their support generously.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Best practices of previous year were continued.

***\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)***

7.4 Contribution to environmental awareness / protection

The NCC students organized 30km long a cycle rally on environment consciousness and Swachha bharat abhiyan.

The students of department of zoology took part in Annual migratory waterfowl survey conducted by forest department during 11<sup>th</sup> January, 2015.

A poster on Sloth bear was prepared for the Berhampur Forest Department by one of our faculty member, which has been displayed in various villages

7.5 Whether environmental audit was conducted? Yes  No

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

Proper functioning of the Grievance Redressal Cell, Career Counseling Cell, Womens' Cell, Women Harassment Cell and anti-ragging cell and Equal Opportunity Cell.

**8. Plans of institution for next year**

- To implement continuous evaluation systems by strict adherence to Academic Calendar.
- Internal quality check up for enrichment of academic curriculum:-
- Visiting Squads to control
- Regular holding of classes and completion of course before the examination.
- Internal discipline.
- Activating Support Services.
- Dress Code for boys and girls
- Induction meeting for new entrants to make them familiar with the college vision and mission.
- To make the teaching learner centric, seminars/ group discussions/projects/viva-voice
- Industrial awareness among students by the way of field and industrial visits.
- To impart smart teaching and to equip the science laboratories with required instrumental facility according to CBCS syllabus.

Name \_\_\_\_\_

Name \_\_\_\_\_

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*Signature of the Coordinator, IQAC  
Chairperson, IQAC*

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*Signature of the*

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**Abbreviations:**

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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Best Practices of the Institution

***Best practice - I***

**1. Title of the practice: - Survey and monitor the environmental factors in the college campus.**

**2. Goal:** The objectives of the practice are to document survey and monitor the different environmental factors e.g. Biodiversity status and change in it, and Cleanliness 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 a few steps for plantation during Vanamahotsav. In combination to that, a clean environment is also maintained in the campus, which is a necessary requirement for the sustained biodiversity and better lifestyle.

**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 was done by the experts from the biodiversity board and species were preserved in the form of museum specimens and herbaria for future reference.

One of the major requirements for the above factor is to maintain a clean environment. Steps are taken to decrease the non-biodegradable waste and to manage the other wastes.

**4. The practice:** A number of good practices are adopted by the college to survey and monitor the environmental factors. These are:

Biodiversity:

- Photographs were collected during survey by students with the guidance of faculty members
- Quadrature 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.

#### Cleanliness:

- Steps are being taken to reduce the non-biodegradable waste such as polythene, plastics and metallic waste.
- Students and staff are advised not to litter in the campus and use the designated dustbins for their purpose.
- Faculties of every stream monitor the cleanliness of campus periodically.
- The dustbins are cleared by the NAC staff every week.
- Biodegradable wastes are dumped in the compost pit at the back side of the college and the compost is utilized as manure.
- The outdated electronic appliances are sold as scraps to outside agencies as per Govt. directives.
- Swachh Bharat Abhiyan programmes are made to keep the college campus clean. NCC, NSS and the student union take the leading role in these programmes.

#### 5. Evidence of success-

- There are three reports having 170 species of plants and 230 species of animals documented.
- The college campus looks neat and clean and helps to maintain the biodiversity and a better lifestyle.

#### 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. Also steps to be taken to maintain the cleanliness in the surrounding of the college.

#### 8. Remarks:

- This year there were addition of 27 species to the faunal list and 5 plant species were added to the existing floral list.

## ***Best practice – II***

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

**2. Goal-** The primary objective of this practice is to bring about awareness in the society for promoting higher education .This practice also helps in inculcating knowledge among young mass to increase interest in Science and Technology, Environmental Aspects, Societal Culture and Moral Values.

**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.
- Demonstrations of some scientific fact and other related areas.
- Students are counselled for developing analytical skills in their thinking process.
- They are encouraged to read and write fictions related to science, novels related to culture and care towards our environment.
- 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 other units to increase interest for these practical activities



**7. Note-**

- The College motivates the students to have increased involvement and participation in the higher education for the deep understanding of the societal and scientific values.

**8. Remarks**

This year 7 such programmes were conducted in various schools of Chatrapur block and 2 colleges were also covered under this programme.