SELF STUDY REPORT

CYCLE-2
(RE-ACCREDITATION)

Submitted By

The Principal

Talcher College, Talcher
(Autonomous)
ODISHA-759107

To
The Director
National Assessment and Accreditation Council
P.O.Box No. 1075, Nagarabhavi

ācāryah pūrvarūpam,
antevāsy uttarrupam,
vidyā sandhih, pravacanas sandhanam:
iti adhividyam (taittiriyopanisad 1-3-3)

[The teacher is the prior form ; the pupil is the letter form, knowledge is their junction ; instruction is the connection. Thus with regard to knowledge.

Declaration by the
Head of the Institution

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer teem visit.

Place: Talcher   (Dr. Girija Shankar Mahapatra)
Date: 30.07.2015   Signature of the Head of the institution
                                                              with seal

STEERING COMMITTEE

Sl No	Name & Designation	Position
1	Dr. Girija Shankar Mahapatra, Principal	Chairman
2	Dr. Yashobanta Narayan Behera, Reader & Head, Dept. of Botany	Co-ordinator
3	Dr. Adwait Kumar Pradhan, Reader & Head, Dept. of Chemistry	Member
4	Dr. Prasanta Kumar Rath, Reader& Head, Dept. of Odia	Member
5	Sri Ashok Kumar Sharma, Reader & Head, Dept. of Commerce	Member
6	Dr. Poulasti Sahoo, Reader & Head, Dept. of Mathematics	Member
7	Sanatan Samal, Controller of Examinations	Member

CONTENTS

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STUDENT CHARTER
TALCHER COLLEGE

A) Responsibilities of the College towards its students:

Talcher College will strive;

i.   To communicate its goals and objectives clearly to all students

ii.   To offer a wide range of programmes with flexibility

iii.   To facilitate effective running of teaching, learning programmes

iv.   To use feedback from students in the initiation, review and redesign of programmes

v.   To implement a well conceived plan for monitoring student progress continuously

vi.   To provide clear information to students about the admission and completion requirements for all programmes, the fee structure, financial aid and student support services

vii.   To ensure well run support services to all students

viii.   To promote values, social responsibilities and good citizenry in all students

B) Students' Responsibilities of Learning:

i.   Appreciate the goals and objectives of the college and contribute to their realization by participating in relevant college activities

ii.   Understand the teaching-learning strategies and evaluation system

iii.   Follow the time schedule, rules, and regulations

iv.   Undertake regular and intensive study of learning materials

v.   Make optimum use of the learning resources and other support services available in the college

vi.   Give feedback for college improvement

vii.   Have faith and ability to pursue lifelong learning

ix.   Live as worthy alumni of the college

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PREFACE

Replete with rich coal mines, coal based industries, known as Black Diamond City, Talcher has occupied an enviable place of distinction in the map of India. Talcher College, Talcher ideally located in a sylvan surrounding enjoys equally the pride and the glory of Angul district. Standing on a spacious campus beside NH-200, sprawling out into the flora and fauna of Rani Park with an atmosphere highly conducive to teaching and learning,it has lived up to the expectations of the people of the area.

The belated but laudable efforts of the enthusiasts in the direction of providing a scope for higher education to the young boys and girls of Talcher made a tutorial college possible at Talcher in 1969 in a rented building. Subsequently, it obtained government concurrence and University affiliation for opening of Intermediate Arts from the academic session 1970-71. Much water has flown in the river Bramhani since then. In course of time it has grown into a fully fledged Degree College with all streams and honours teaching facilities in all affiliated subjects under Utkal University. The decent looking, MCL sponsored double storied, well furnished Gents' Hostel with 100 seats behind the college in a serene and tranquil atmosphere and a women's' Hostel with 80 seats welcomes its inmates with bouquets and promise for laurels. The rich well equipped library has been the fountain of learning for teachers and students as well. It will not be out of place to fondly cherish the memories of the untiring and selfless efforts of some benevolent and magnanimous locals of Talcher but for whose contribution this institution would not have grown into what it is now. The College has preserved a part of Rani Park, which was a dense forest during the reign of the king of Talcher

The hazy picture of persistent endeavor to set up a college and ungrudging nourishment of late Dr. Bikram Das during its infancy spontaneously flashes into our eyes. A monument of sacrifice, iron will and determination, Dr. Das will be ever remembered. Can we throw into oblivion the contribution of late Brundaban Mohapatra who had donated an amount of Rs.20,510/- in those days for its

foundation and up-keep? We have no words to eulogize Raja Saheb Soubhagya Chandra Dev who was generous enough to donate a part of his Rani Park to facilitatethe shifting of the college to the present site in 1976. The college isconsiderably indebted to late Pabitra Mohan Pradhan, the former DeputyChief Minister of Odisha, Smt. Chitrakala Dibya, Narsingh Das, RahimKhan, for their financial assistance and invaluable service. The College, its manifold handicaps albeit, is proud of its heritage. We make sincerest endeavor to elevate the academic standard of the students. Apart from grooming several luminaries, this garden can boast of its age defying flowers; legislators and parliamentarians, Hon'ble Sj. Dharmendra Pradhan, Minister, Petroleum and Natural Gas, Govt.of India, Hon'ble Sj. Bibhudendra Pratap Das,Ex-MLA,Pallahara, Hon'ble Sj. Mahesh Sahoo, MLA pallahara , Hon'ble Sri Braja Kisore Pradhan, MLA, Talcher and Hon'ble Rabi Narayan Pani, Ex-MLA, Pallahara & former MP, Deogarh who have kept its honour aloft. All have contributed their might for all round development of the college. The Hon'ble Ex-Prime Minister Sri Atal Bihari Vajpayee's sojourn in this blessed institution on 18.09.1999 is the harbinger of new hopes and strides for us..

The NAAC has accredited this college with B+ Grade which incidentally is the highest accreditation status among all the Govt. and Non-Govt. degree colleges of Angul district. Moreover, the Autonomous Status conferred by the UGC will hopefully go a long way in enhancing the pride and prestige of the college. Let us strive to make it more glorious.

This institution desired to examine its goals and activate itself. The principal and senior members of the staff sensitized other members of staff regarding the necessity, objectives and procedure of re-accreditation. Members of staff examined the strength, area of concern and potential of this institution. A steering committee was constituted, who interacted with the stakeholders, members of the staff and alumni of this college. Several committees of members of staff were also formed. After careful deliberation over the vision, mission of the institution the committee finalized the contents of the SSR.

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SUMMARY

The college was established in the year1969 by the enthusiastic enlightened members of Talcher to spread the lights of learning. It has grown into its present stature in the erstwhile forest of the area, ranipark, on the outskirt of the town. Presently it has 1200 students on its roll in degree stage. It has 59 members of teaching and 49 numbers of nonteaching staff.

Curricular aspects

The college has visualised new goals and vision considering the aspirations of the stakeholders. The college has introduced several multidisciplinary courses like Environmental studies, Population studies, Indian Polity and Core courses like geology, education, M.A.in Odia for the benefit of the students. It has a special study center of IGNOU to offer career-oriented courses. The college was conferred autonomy in 2010 as a result of which new programmes inUG and PG in Odia have been started on a regular basis.

The syllabi for all UG courses have been revised and restructured in 2011, 2013 and 2014. The revision is made after thorough discussions at the department level, UGC syllabus etc. Then, they are placed before the Boards of Studies and finally approval from Academic Council is obtained. The present component of Internal Assessment is 20%.

The Boards of Studies and Academic Council will have experts from outside and also from Alumni, Industry as per UGC guidelines.

The College is also a partner in the University administration Members have acted as members of Board of studies, affiliation committee and the college is also a valuation zone of the university.

Thus the college since the last accreditation has made concerted efforts to sustain and enhance academic quality in all respects.

Teaching Learning Evaluation

It has a transparent admission policy. Students are admitted through Student Academic Management System (SAMS), a single window system for admission. An "Admission Committee" consisting of the Principal, Chairman (Academic) and three senior faculty is constituted to look into the process of admission. On the basis of merit, reservation policies of the Government and performance in the previous qualifying examination, the seats are allotted. The college has a team of competent teachers. Out of 59   numbers of teaching staff, 13   numbers have Ph.D. degree,   10 numbers have M.Phil degree, and 09   members are pursuing research for Ph.D. degree Teachers are trying to update their knowledge by attending refresher course and presenting papers in conferences. Teachers are also publishing articles in Books and journals.

Besides regular teaching, teachers also take up Tutorial, Remedial Coaching and also to offer Bridge courses. Every teacher is allotted a 20 number of students who will be Mentored. The records of Mentorship are preserved which will help in assessing progress made by the students. The discipline committee members along with the hostel superintendent counsel the students both in the College and the Hostel. This has effectively resulted in more motivated students. The controller of examination, the assistant controller and a host of others will supervise the smooth conduct of examination. The continuous evaluation system which is introduced in the college consists of test, skill development / record component, seminars, practical, field work/project work. The valuations of answer books are done by the external examiners. The examination, both theory and practical, are conducted as prescribed in the guidelines for Conduct of Examination, prepared by the examination cell including the regulation as approved and ratified by the Academic Council in the college.

Teachers prepare lesson plans and maintain records of progress. The heads of departments and the principal monitor the progress of the course regularly.

Research, Consultancy & Extension

The College tries to promote research culture among teachers, teachers are provided with infrastructural facilities by the college. One senior research fellow is operating

research project funded by UGC, two members have obtained Ph.D. degree and one has submitted his thesis for Ph.D. Two members have registered for Ph.D. work Some of the staff are pursuing research on Photosynthesis, Environmental pollution, Ethno botany, Economic activities in the SC,ST, Political behaviour of the SC,ST and rural elites. The College is publishing a research journal. In this journal many of our faculties have published research findings. To inculcate research culture among students, a paper on Research Methodology will be offered to both UG and PG students. The students of B.Com, BA, B.Sc and PG have to submit project report.

Students and staff are engaged in extension activities to generate awareness among the people against social evils and communicable diseases. Blood donation camp was organised to sensitise people to donate blood to save lives. This college is trying to motivate the people to plant trees, to protect and sustain environment.

A special Study center of Indira Gandhi National Open University is attached to the college. The college conducts contact classes in all arts courses during weekends and Government holidays.

Collaboration with industries and organisations like MCL Ltd., NTPC, NALCO, Victor Technology have been initiated with regard to laboratory expertise and computerisation. Consultancy is provided on honorary basis to farmers and to mining companies.

Infrastructure and Learning Resources.

The College is trying to augment its infrastructure with the assistance of its alumni in different fields. Two class rooms, one laboratory & two toilets were constructed with the assistance of UGC under 11th plan assistance and two new class rooms are being constructed under 12th plan assistance. A separate Women's' hostel was constructed from the UGC special assistance. The total area of the campus is31 acres. The built up area of the college including hostel is 12386 Sq.mt. The total number of classrooms is 20, which have good ventilation and lighting facility. Among the 20 classrooms, 02 rooms have ICT enabled facilities. Apart from this there are 09 Science Laboratories, 01 Computer Science labs. In addition to this Computer Science department is equipped with 16 no. of computers. It is well

equipped with server, scanner, printer, Wi-Fi facility and other necessary learning resources. The whole college has been provided with Wi-Fi facility.

There are two hostels (Boys & Women) in the campus which accommodates 200 students. The total built in area of the office establishment is 193 Sq.mt. Each supporting staff is provided with a computer and a printer with LAN facility. The college building is covered with CCTV Cameras. It has a good library with 31968 books. Books, reference works, texts, Xerox copy, books under suggested reading category and reference works are kept in the library. Library is automated with e-granthalaya.

All Science laboratories are well equipped with equipment.

Student Support and Progression

The College offers UG and PG programs. During the year 2014-15, the total strength in UG was and 16 in PG. The dropout rate during the last 5years is 0.2%. About 52% of students are from rural, semi urban and economically weaker sections. In spite of these diverse features the college has been maintaining a steady progress in results which is much higher than any other affiliated college or nearby autonomous college.

The Alumni Association is rendering its service silently in mobilising resources and organising meetings/seminars etc. The College has installed water coolers in all the floors and wash basins have been provided near the water coolers. Potable drinking water is supplied to the students. Common room facility has been provided to the students. In the Girl's common room a lady attendant has been deputed to look into the needs of the students.

Financial assistance along with student scholarships provided by both central and state governments and several merit- cum-means scholarships are given to the students. Also, a good number of students go for higher learning including B.Ed, PG and Diploma Courses. The Career counselling Cell is periodically organizing training programmes to motivate our students to enrol themselves in various placement drives. It also conducts training programmes such as communication skill, soft skill, aptitude, the techniques to face interviews and group discussion

dynamics. Such training programmes help our students to participate in campus recruitment drive arranged in the college where companies take part.

The library extends all support to students. The examination cell helps the students immensely. Tests and Examination are held strictly according to the calendar of events published in the prospectus. Announcement regarding the commencement of exams, days and dates of examination are notified at least one month before. The suggestions given by the students are considered for further improvements.

Governance and Leadership

The activities of the college are being monitored by the governing body and the Principal. The Administrative Bursar, Academic Bursar and the Heads of different departments share responsibilities for increasing efficiency.

There is decentralisation of authority to enhance quality of administration and teaching.

The College has framed a student charter as a mark of its commitment to quality. It has a quality assurance cell to enhance the quality of teaching and learning.

Through teaching and extramural lectures, students are provided with value education to be good citizens and to acquire scientific temperament.

In 2006, the college was accredited by NAAC with B+ grade. Autonomy was conferred by UGC in the year 2010 and implemented from the session 2011-12. After the conferment of Autonomous status, the College opened new programmes on MA in Odia, Hons in Geology & Education. The decisions pertaining to Administration, Academic and Finance are being taken in the meetings of statutory bodies. The statutory bodies are

1. Governing Body
2. Academic Council
3. Boards of Studies and
4. Finance Committee (Recommendatory Body)

These are constituted as per the statutes of Utkal University. The present composition of Governing Body and Academic Council are given below.

GOVERNING BODY

Sl No.	Name	Designation	Category
1.	Sj. Mahesh Sahoo *Hon'ble M.L.A*	President	State Govt. nominee
2.	Sri Braja Kishore Pradhan *Hon'ble M.L.A*	Member	State Govt. nominee
3.	Dr. GirijaShankar Mahapatra	Principal-cum-Secretary	
4.	Sj. R.I.Tiga	Member	Sportsperson
5.	Sj. Jadumani Sahu,(Advocate)	Member	
6.	Meera Singh	Member	Lady representative
7.	Er. Dhaneswar Behera(Retd.)	Member	
8.	Dr. Bana Bihari Rath	Member	Educationist
9.	Prof. B. B. Pradhan, *SNDT University*	Member	UGC nominee
10.	Prof. S. Maharana Utkal University	Member	University Nominee
11.		Member	Teacher's Representative
12.		Member	Teacher's Representative

ACADEMIC COUNCIL

Sl No	Category	members
1.	Principal / Chairman	Dr. G.S.Mahapatra
2.	All the heads of departments	
3.	Two Senior Teachers of the College	B.K Sahu, Capt. S.K Das
4.	Two Experts nominated by Governing Body	Sj. Jadumani Sahu (Advocate) Er. Dhaneswar Behera
5.	Member Secretary	Academic Bursar
6.	University Nominee	Prof. Kitibhusan Dash, Dept of Com. U.U Prof. Satyaban Jena, Dept. of Chem. U.U Prof. Narottam Gaon, Dept. of Pol.Sc. U.U

The college mobilizes its resources through different channels. Salaries of the permanent teachers whose posts are sanctioned and approved by the Government are paid by the Government of Odisha. Financial assistance allocated by UGC, Grant received under Autonomous schemes from the UGC, grants from MCL Ltd. NTPC, NALCO are other sources of resource mobilization.

The resource mobilization from UGC for the period 2011-12 to 2014-15 is given below:

Sl No	Year	Amount(Rs)			Balance
		Allocated	**Released**	**Utilised**	
1.	2011-12	6338252	4772426	4996280	Nil
2.	2012-13	3985300	2698400	2700348	Nil
3.	2013-14	3325000	3073651	3073651	Nil
4.	2014-15	8829450	7184000	4399420	2784580

The important features of decentralized character of administration in the college is reflected on the working of different committees and sub committees constituted in the college.

Innovation and Best Practices

The College has a healthy practice of encouraging the non-teaching staff to acquire higher education to move upwards in their career.

This College has framed a student charter to indicate the responsibility of the college towards its students and to stress on the duties of the students to lifelong learning.

The College organized All Orissa Botanical Society conference in which learned professors delivered enlightening discourses and took part in scholarly discussions.

Regular and peaceful elections are being held to make the students responsible participants in the management of the college. Several programmes are undertaken to generate awareness among the people against social evils and guide the students to work among the people.

The college has the potential to scale greater heights. It possesses active , committed members of staff. It is marching towards the new directions in spite of facing financial constraints.

Criterion	Best Practices
Curricular Aspects	Extensive Academic Courses, Programs, Options and Electives.
Teaching Learning Evaluation	ICT enabled teaching-learning. Modern methods of teaching. Examination reforms-Grading, CBCS and CGPA Over all result above 85%. Participation of students and faculty in Workshops, Seminars and Conferences. Project work
Research Consultancy & Extension	Social Services and extension activities.
Infrastructure & Learning Resources	Installation of CCTV at prominent places.
Student Support & Progression	Celebration of Annual day, National festivals and Union functions
Governance & Leadership	Decentralization
Innovations	Assignment of groups, Dress code, interaction with stakeholders

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Self-Study for Autonomous Colleges

B. Profile of the Autonomous College

1. Name and address of the College:

  Name : TALCHER COLLEGE, TALCHER

  Address: Po : Talcher Town, Dist- Angul, Odisha -759107.

  Website : www.talchercollege.org.

  e-mail ID : talcher_college@yahoo.co.in

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. G.S Mohapatra	O:06760-240293 R:	9777577683		talcher_college @yahoo.co.in
Vice Principal		O: R:			
Steering Committee Co-ordinator	Dr. Y.N Behera	O:06760-240293 R:06760-249315	9437146570		Ybehera59@ gmail.com

3. Status of the Autonomous College by management.

 i. Government

 ii. Private Non-Govt. aided ☑

 iii. Constituent College of the University

4. Name of University to which the College is Affiliated   **UTKAL UNIVERSITY**

5. a. Date of establishment, prior to the grant of 'Autonomy' (01-06-1969)

 b. Date of grant of 'Autonomy' to the College by UGC: (25/05/2010)

6. Type of institution:

a. By Gender
    i.   For Men
    ii.   For Women
    iii. Co-Education   ☐ ✓

b. By shift
    i.   Regular
    ii.   Day   ☐ ✓
    iii. Evening

c. Source of funding
    i.   Government
    ii.   Grant in Aid   ☐ ✓
    iii. Self-Financing
    iv.   Any Other (Please Specify)

7. Is it a recognized minority institution?   Yes

    No   ☐ ✓

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

8. a. Details of UGC recognition:

Under Section (dd-mm-yyyy)	Date, Month & Year (If any)	Remarks
i. 2 (f)	17-06-1972	
ii. 12 (B)	17-06-1972	

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

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE,NCTE,MCI,DCI,PCI,RCIetc.)

Under section/ clause	DD/MM/YY	Validity	Programme/institution	Remark
i			Three year B.A Hons (Eng,Odia,Pol.Sc,Hist,Phil,Sans)	Permanent
ii			Three year B.A Pass (Edu)	Permanent
iii			Three year B.Sc Hons (Phy,Chem,Math,Zool,Bot)	Permanent
iv			Three year B.Sc Pass (Geol)	Permanent
v			Three year B.Com Hons(Acct)	Permanent
vi			Three year B.Com Hons (Mgmt)	Temporary
vii			Three year B.A Hons (Anth,Eco)	Temporary
vii			Two year M.A Odia	

9. Has the College been recognized

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

Yes [ ]   No [✓]

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

c. For its contributions/performance by any other governmental agency?

No [✓]

If yes, Name of the agency …………………… and

Date of recognition: …………………… (dd/mm/yyyy)

10. Location of the Campus Area.

Location	Municipality Area
Campus Area in Sq.Mts or Acres	31.945 Acres.
Built up Area in Sq. Mts.	12386 sq.mts

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

11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex
- Sports facilities -
  - ❑ playground ✓
  - ❑ swimming pool
  - ❑ gymnasium ✓
- Hostel -
  - ❑ Boys 'Hostels ✓
  - ❑ Girls' hostels ✓
- Residential facilities-
  - ❑ for teaching staff ✓
  - ❑ for non-teaching staff ✓
- Cafeteria ✓
- Health centre-
  - ❑ First aid facility ✓
  - ❑ Inpatient facility
  - ❑ Outpatient facility
  - ❑ ambulance facility
  - ❑ emergency care facility
- Health centre staff -
  - ❑ Qualified doctor Full time Part-time ✓
  - ❑ Qualified Nurse Full time Part-time ✓
- Otherfacilities -
  - ❑ Bank
  - ❑ ATM
  - ❑ post office
  - ❑ book shops
- Transportfacilities -
  - ❑ for students
  - ❑ for staff
- Power house ✓
- Waste management facility ✓

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

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student intake	No. of students admitted
1.	UG	B.A/B.Sc/ B.Com	3 years/ 6 semester	10+2	English	1440	1177
2.	PG	M.A., Odia	2Years/ 4 semester	10+3	Odia	16	16
3.	Integrated Masters						
4.	M.Phil.						
5.	Ph.D.						
6.	Integrated Ph.D.						
7.	Certificate						
8.	Diploma						
9.	PG Diploma						
10.	Any other (please Specify)						

13. Does the institution offer self-financed Programmes?

    No

    If yes, how many ? | 01 |

14. Whether new programmes have been introduced during the last five years ?   N.A

    | Yes | | No |

    If yes

    | Number | | 03 |

15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)

Particulars		Number	Number of Students
Science Bot,Che,C.Sc Geo,Mat Phy,Zool	Under Graduate Post Graduate Research centre(s)	O7	258
Arts Anth, Eco, Edn, Eng, Hist, Odia, Phil, PSc,Sans.. M.A. Odia	Under Graduate Post Graduate Research centre(s)	09 01	598 16
Commerce B.Com	Under Graduate Post Graduate Research centre(s)	01	
Any Other (please specify)	Under Graduate Post Graduate Research centre(s)		

16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details.

No

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, M Sc, BCom etc.)

a. Annual system | -- |

b. semester system | 04 |

c. trimester system | -- |

18. Number of Programmes with

   a. Choice Based Credit System   04

   b. Inter/multi disciplinary approach

   c. Any other (specify)

19. Unit Cost of Education

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

   (a) including the salary component   Rs.35286.00

   (b) excluding the salary component   Rs. 1823.00

20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Education? : **No**

   If yes,

   a. How many years of standing does the department have?

       ……… years

   b. NCTE recognition details (if applicable) Notification No.:

       ……………………………………

       Date: ………………………… (dd/mm/yyyy)

   c. Is the department opting for assessment and accreditation separately?

       Yes   No

21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?   : **NO**

22. Whether the College is offering professional programme?

       Yes   No

   If yes, please enclose approval / recognition details issued by the statutory body governing the programme

23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon. **No**

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24. Number of teaching and non-teaching positions in the College

Positions	Teaching Faculty						Non-Teaching Faculty		Technical Staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government Recruited Yet to recruit	NIL	NIL	13	00	17	14	25	06	13	05
Sanctioned by the Management / Society or other authorized bodies Recruited Yet to recruit	NIL	NIL	NIL	NIL	03	06				

*M- Male   ***F-** Female

25. Qualification of the Teaching Staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teacher							
D.Sc. / DLitt.							
Ph.D.			06		04	03	13
M.Phil					04	06	10
PG			06	01	11	09	27
Temporary Teacher							
Ph.D.							
M.Phil							
PG							

Part Time Teacher

Ph.D.							
M.Phil							
PG					03	06	09

26. Number of Visiting Faculty/ Guest Faculty engaged by the College.

   Visiting Faculty   -   Nil

   Guest Faculty   -   10

27. Students enrolled in the College during the current academic year, with the following details:

Students	UG		PG		Integrated Masters		M.Phil		Ph.D		Integrated Ph.D D.Litt/DSc. Certificate		D.Litt/ DSc. Certi- ficate		Certificate		Dipl- oma		PG Dipl- oma	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
From the state where the College is located	528	624	06	10																
From other states of India	18	07																		
NRI students	Nil	Nil																		
Foreign students	Nil	Nil																		
Total	542	635	06	10																

   *M- Male ***F-** Female

28. Dropout rate in UG and PG (average for the last two batches)

   | 0.02 | UG | Nil | PG

29. Number of working days during the last academic year. : 270Days.

30. Number of teaching days during the last academic year :270 Days

31. Is the College registered as a study centre for offering distance education programmes for any University ?   Yes ☐ ✓   No ☐

    If yes, provide the

    A.   Name of the University
    Indira Gandhi National Open University

    B.   Is it recognized by the Distance Education Council?

            Yes ☐ ✓   No ☐

    Indicate the number of programmes offered   -07

32. Provide Teacher-student ratio for each of the programme/course offered
    1:18

33. Is the College applying for?
Accreditation: Cycle 1 ☐ Cycle 2 ☑ Cycle 3 ☐ Cycle 4 ☐
Re-Assessment

34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)
    Cycle 1: …02/02/2006   Accreditation outcome/results-B+ (76.05)
    Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation

35. a. Date of establishment of Internal Quality Assurance Cell (IQAC)
     27/07/2005
    b. Dates of submission of Annual Quality Assurance Reports (AQARs).
        (i)   AQAR for year 2010-11…………… on (22/07/2015)
        (ii) AQAR for year 2011-12…………… on (22/07/2015)
        (iii) AQAR for year 2012-13…………… on (22/07/2015)
        (iv) AQAR for year2013-14 …………… on(22/07/2015)
        (v) AQAR for year2014-15 …………… on(22/07/2015)

36. Any other relevant data, the College would like to include. (Not exceeding one page)
        ∎

C. Criteria-Wise Inputs

C R I T E R I O N : I

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

VISION:-

To provide Quality higher education for fostering humane values, igniting the spirit of enterprise, to strive for excellence in all activities and to imbibe scientific temperament.

MISSION

Talcher College cherishes:-

1. *To provide higher education at affordable price in competitive global milieu.*

2. *To undertake research in various fields for raising the standard of living of the people.*

3. *To strive to raise the capacity of youths for gainful employment.*

4. *To generate awareness among the people against social evils, diseases and to protect and sustain environment.*

5. *To provide education on values.*

6. *To cherish the rich heritage of our composite culture.*

7. *To encourage all-round development of personality of the students.*

1.1.1 How are the institutional vision / mission reflected in the academic programmes of the College?

Talcher College, a premier educational institution of higher learning in the undivided Dhenkanal district, has been functioning with a vision of value based quality education to everyone. The college has initiated measures to run the best academic programmes continuously inspiring teachers to update their knowledge and catch up with the latest developments in their respective disciplines. The endeavor is to provide free access to students of all communities and also catering to the specific needs. Thus, the college is attracting students from rural areas.

Students specialize in academics; gradually move from content areas to contemporary disciplines. The college provides ample access to channelize in various art and cultural forums like music, dance, dramatics and other activities to ensure proper development of personality. Students have access to gymnasium, indoor games, athletics and all other outdoor games. The NSS / NCC units and various other forums have created platforms to bring out hidden talent. Established in the year 1969, the college is one of the premier institutes of higher learning in Angul district. Situated very close to the Rani park & the river Brahmani, the college has a campus spread over 31acres. The college prides itself in having a large and aesthetically appealing campus. Started with a meager strength of 28 students in the year 1969, the college has blossomed, over the years, into a premier institution of higher learning in the coal city. Presently over 1200 students are on the roll. The college has been able to contribute substantially in offering higher education to poor students and those from rural areas. The number of programmes offered at the undergraduate level provide for innumerable permutations and combinations which the students can choose from.

1.1.2. Describe the mechanism used in the design and development of the curriculum? Give details on the process. (Need Assessment, Feedback, etc).

The curriculum is designed and developed by the Board of Studies (BOS) of the concerned department keeping in view the aspirations and needs of the ever changing times. The members of the faculty who are on BOS participate in the curriculum design and development process. As and when the need arises, the suggestions regarding change in curriculum are conveyed to the appropriate authority. The curriculum is finally approved by the Academic Council.

The mechanism used in the design and development of the curricula is as follows:

- Feedback is obtained from stakeholders such as students, alumni and parents.
- Suggestions for commencement of new programmes are obtained from external experts from academia, society and industries during their participation in GB, ACand BOS meetings.

- Faculty members attend Faculty development programmes such as refresher courses, workshops and seminars which help them to gain an insight into new developments in their fields and incorporate the same in the curriculum.
- Based on the above, need assessment and feasibility studies are undertaken to take decisions about introducing new programmes.
- Department meetings are held frequently to prepare draft curriculum.
- The draft curriculum is discussed in the subject-wise workshops in detail and necessary changes are incorporated.
- BOS meetings are conducted to fine-tune and approve the curriculum.
- Final approval is obtained from Academic Council.

1.1.3. How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the College benefit through the involvement of the stakeholders?

The Board of Studies (BOS) of each department has experts from the allied industries, national level research institutes and social workers. The Academic Council also has experts of different subjects. The college is immensely benefited by these experts in the design and development of the curriculum

1.1.4. How is the following aspects ensured through curriculum design and development?

* Employability
* Innovation
* Research

The statutory bodies like BoS, Academic Council and Governing Body and IQAC include experts from academics, industry, research bodies and civil society.

▸ Experts from industry and academia are invited as resource persons to Seminars/workshops/conferences organized by the college.

Benefits for the college through the involvement of the stakeholders:

▸ The involvement of experts from academia and industries helps to update syllabus to suit current requirement and enhance the placement opportunities and participate in the seminars organised by the college.

▶ Employers and recruiting agencies conduct counselling programmes/ campus interviews.

▶ Involvement of stakeholders, especially experts from research establishments have helped in the promotion of research.

The college and the teaching faculty have taken many initiatives for effective delivery of the curriculum. The college faculty is trained by the computer department to make them familiar with the use of computers so that they are able to use the modern technological resources, internet, LCD projectors and OHP's etc. to supplement their class room lectures. The college has created a reading room for the use of teachers and students wherein all the latest books are made available to the faculty for their reference. In addition to the regular subject classes, the college also organizes special lectures by inviting experts from various fields to share their knowledge with the students. The college also organizes special Personality Development Programs for its students. The students are also taken out for educational tours such as industries, exhibitions and places of historical importance to provide them first-hand knowledge of various things. Furthermore, for effective curriculum delivery, the college has got the provision of special/ remedial classes for slow learners. Special classes are conducted for those students, who could not attend the classes on account of NCC camp or participation in the sports or extra-mural activities to make up their loss.

1.1.5.How does College ensure that the curriculum developed address the needs of the society and have relevance to the regional / national developmental needs? The curricular programmes are planned and prepared to sensitize the students tolocal, regional, national and global needs and create interest in higher education

▶ Inclusion of papers like Indian Society & Culture intend to create general awareness among the youth.

▶ Being situated in an industrially vibrant area,compulsory subject on Environmental Science creates awareness about energy conservation, pollution control and the hazards of exploiting natural resources.

▶ Papers related to national development like Population studies, I.T.are taught in BA, B.Com programmes.

▶ Community outreach programes of NCC, Youth Red Cross, Scouts and Guides contribute to the community development and also help students to learn beyond classrooms.

▸ ICT based subjects are mandatory to make the students Computer Literate.

▸ Extension programmes are aimed to bridge the gap between the institution and the society.

The curriculum designed addresses the national developmental needs.

1.1.6. To what extent does the College use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the College been instrumental in leading any curricular reform which has created a national impact?

▸ The curriculum is developed as per the model curricula and guidelines of the University Grants Commission, New Delhi, and Utkal University from time to time with a deviation of up to 20% to accommodate regional issues and recent developments.

▸ College has introduced CBCS-CGPA Scheme at PG level.

▸ College has introduced CBCS-CGPA Scheme at UG level from the session 2015-16.

▸ The college is going to introduce vocational subjects at UG level

1.2. Academic Flexibility

▸ The college offers diversified combinations in UG programs. In BA 09 combinations are offered where in student can choose 3 major subjects. In Science stream 06 combinations are offered with equal thrust to 3 subjects along with one minor elective .

1.2.1 Give details on the following provisions with reference to academic flexibility.

a. Core / Elective options

The college offers the following core subjects in various combinations for undergraduate programs as per regulations of Utkal University and Govt of Odisha. However students will have choice for selecting any 2 Optional in Humanities and Science streams along with any 2 languages offered.

Humanities

Economics, Political Science, History, Odia,

English, Anthropology, Philosophy, Sanskrit, Education, Indian Polity,

Science

Physics, Chemistry, Mathematics, Botany, Zoology, Computer Application, Geology,

B.Com

Compulsory papers approved by respective Boards of Studies.
Students have to study Indian Society & culture and Environmental Studies as Core papers.

PG Courses

CBCS introduced. Elective and open electives form part of the regulations. A student has to compulsorily study one course of his choice. Credit transfer and accumulation facility, Credit accumulation across discipline, is permitted as per regulations of CBCS.

Lateral Mobility:

UG level:

Courses like ES/IT/PS/ISC provide all students an opportunity to move across streams and take up courses of their interest.

PG level:

PG students have flexibility in choosing the elective and open elective courses offered by the department.

ii) Vertical Mobility:

Vertical mobility is facilitated as the college offers16 undergraduate programmes. Students passing from this college take admission in different Universities.

1.2.2. Have any courses been developed specially targeting international students? If so, how successful have they been? If 'no', explain the impediments.

No

Lack of sufficient infrastructure

1.2.3. Does the College offer dual degree and twinning programmes? If yes, give details.

No

The courses run at UG and PG levels have their relevance to the institution's goals and objectives. The college aims to impart such knowledge as may be necessary for the all-round development of the character of students thereby making them capable of being better employed and at par with the highly competitive job markets.

1.2.4. Does the College offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

Yes.

The College offers management Hons at B.Com. level under self-financing mode. Policies regarding admission, fee structure, teacher qualification and salary are on par with the university regulations for aided programmes.

1.2.5. Has the College adopted the Choice Based Credit System (CBCS)? If yes, how many programmes are covered under the system?

Yes

CBCS has been implemented at PG level. At UG level it has been introduced from the session 2015-16

1.2.6. What percentage of programmes offered by the College follows:
* *Annual system   NIL
* *Semester system   100%
* *Trimestersystem   Nil

1.2.7. What is the policy of the College to promote inter-disciplinary programmes? Name the programmes and what is the outcome?
The college ensures inter-disciplinary programmes both at UG and PG levels. At UG level, Indian Society & Culture, Indian Constitution, Population Studies, LMHI(Landmark History of India), Environmental Studies and Computer Applications are offered by the other departments of Arts/Sc/ Com as compulsory papers. The outcome of the inter-disciplinary Programme has made our students self confident.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the College reviewed for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?
Curricula is reviewed once in 2 years to meet the emerging needs of students and other stakeholders

1.3.2. How many new programmes at have been introduced UG and PG level during the last four years? Mention details.

*Inter-disciplinary -Env.Studies, Indian Society & Culture.

*programmes in emerging areas-Geology Hons, Education Hons at UG level & Odia at P.G.Level

1.3.3 What are the strategies adopted for revision of the existing programmes? What percentage of courses underwent a major syllabus revision?

The UG programs run by the college deal with the basic courses in science/ arts/commerce followed by discipline specific core/elective courses and invariably they are reviewed and revised once in 2 years.

25% to 30% courses underwent a major syllabus revision.

1.3.4. What are the value-added courses offered by the College and how does the College ensure that all students have access to them?

The Department of English regularly conducts student seminars/ talks and trains the participants in presentation skills. The NCC/NSS wing of the college engages the students in community development activities which motivate the students to take up the cause of Social Service. The institution as such does not offer any value added courses. However there are many enrichment programmes which are regularly organized to develop different skills of the students along with the course work.

Moral and Ethical values:

The college NCC/NSS team regularly visits surrounding areas and villages where people are provided awareness on various social, moral, ethical principles and ways of life. The Students are also motivated by way of special lectures so as to instil moral and ethical values in them.

Employable and Life Skills:

The college understands that the need of communication skills is vital for the students for better career options. Therefore the institution arranges Verbal and Written Communication Skills workshops. Group discussions, Essay writing, Recitation of poetry, Declamation contests are held at a regular intervals both in Odia and English language in the institution. Students are also allotted the different

responsibilities in organizing various events and activities such as cultural programmes, competitions, seminars, workshops etc. In this way they improve their team building and organizational skills.

Better Career Options:

The college provides regular computer classes for all students to develop their skills of basic computer operating principles which include Basic Computer Operation, MS office, Internet operations etc.

Community Orientation:

For community orientation college provides personality development sessions, debate competitions and computer coaching classes for other members of society so that society can get advantages of these programs. The college students of different departments regularly visit surrounding areas and villages where people are provided awareness on various social, moral, ethical principles and ways of life. Issues like Gender, Climate Change, Environment Education, Human Rights etc, find an ample space when it comes to applying them positively into the curriculum. The college, at its own level and with the assistance from UGC and College make arrangements for seminars and conferences of national level where in the experts are invited to share and deliver their experiences and knowledge. The college regularly organizes state level seminars on AIDS awareness, women empowerment, female foeticide, Cleanliness programmes. The College has been celebrating 'Van Mahotsava' with the support of the staff and the local forest department& has been maintaining the college forest. One of our faculty member from Botany Dept. has surveyed the flora of the nearby forest. Some medicinal plants have been identified. One of our faculty members has delivered lecture and presented 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 of environment. Similarly the college offers the paper of ICS i.e. Introduction to Computer Science, to the students of the college whereby enabling them to learn the latest technology which can help them make a better future.

> 1.3.5. Has the College introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?
>
> No

1.4 Feedback System

1.4.1. Does the College have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

The college collects inputs about the curricula as well as the need for enrichment from students through feedback. The feedback is taken into consideration in the process of design and development and up gradation of curricula.

1.4.2. Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback.

Formal and Informal Feedback from academic peers have been obtained. The inputs from the same have been considered for curriculum revision and update.

Impact of Feedback

Recent developments in respective fields were incorporated in the curricula. Curricula is designed to suit job requirements.

1.4.3. Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.

‣ Representative from management, industry experts, professionals and academicians are nominated to Governing Body and Academic Council - Feedback is collected.

‣ Alumni, professionals and academicians are nominated in Boards of Studies-Feedback is collected.

‣ Career Counseling Cell interact with recruiters for eliciting their opinion on suitability of the curriculum to the present scenario.

‣ Industry Experts are invited as resource persons to seminars / conferences /workshops organized by the college to understand the current trends in various disciplines.

‣ The quality inputs received from all the above sources are used for curriculum enrichment.

1.4.4. What are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring effective development of the curricula?

The college strives to provide quality education through holistic academic advancement at all levels. Quality control mechanisms exist at every stage to ensure effective development of the curriculum. The college undertakes the following measures to ensure quality sustenance and enhancement.

▶ IQAC monitors the entire process of quality sustenance and enhancement.

▶ Before introducing CBCS to PG programmes a workshop was conducted to design the curriculum.

▶ Internal academic audit has helped in the sustenance and enhancement of quality.

▶ Changes in the curriculum are reviewed at department and college level prior to the implementation.

▶ Faculty members attend workshops/seminars/conferences at state/national/international levels which help them to keep abreast of cutting edge developments in their field and incorporate the same in their curriculum.

▶ College encourages teachers and students to take up research projects. The finding of these projects indirectly facilitate curriculum development.

▶ College conducts training programmes, workshops, seminars and conferences to update teachers about recent developments in their respective fields and also provides training to use computers and sophisticated equipment.

Any additional information regarding Curricular Aspects, which the institution would like to include.

The college intends to expand the horizon of its services through the introduction of special programme Bachelor of Vocation (B Voc) as per Govt. order. The revision of syllabus for UG will be made to implement CBCS.

■

CRITERION: II

CRITERION II:
TEACHING-LEARNING AND EVALUATION

2.1.   Student Enrolment and Profile

The college has witnessed a significant increase in student enrollment since last accreditation. During the session 2014-15, 1177students at UG level &16 students at PG level are on the roll.

2.1.1. How does the College ensure publicity and transparency in the admission process?

Admission to UG programmes are done by the STUDENTS ACADEMIC MANAGEMENT SYSTEM (SAMS) of Govt. of Odisha, Dept. of Higher Education.

Students are admitted to PG through advertisement.

The College ensures publicity in the admission process through

- Advertising in the local / regional dailies.
- Annual Prospectus

Transparency is maintained to the highest level and the following steps are adopted.

- Invite applications
- Applications scrutinized by admission committee
- announcing the merit list

2.1.2. Explain in detail the process of admission put in place for UG, PG and Ph.D. programmes by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the College?

Admission to UG programmes are done by the STUDENTS ACADEMIC MANAGEMENT SYSTEM(SAMS) of Govt of Odisha, Dept. of Higher Education.Students are admitted to PG through advertisement. **The admission soft ware prepares the merit list of the applicants as per their choice.**

2.1.3. Does the College have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

Since the admission is done through SAMS, the students profile is only reviewed.

2.1.4. What are the strategies adopted to increase / improve access to students belonging to the following categories

*SC/ST

*OBC

*Women

*Different categories of persons withdisabilities

*Economically weaker sections

*Outstanding achievers in sports and extracurricular activities

Reservation guidelines framed by the govt. is strictly followed. The SAMS software has been designed accordingly for reservations.

2.1.5.Furnish the number of students admitted in the College in the last four academic years.

Categories	Year 1 (11-12)		Year 2 (12-13)		Year 3 (13-14)		Year 4 (14-15)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	23	27	41	30	51	42	90	43
ST	05	07	11	07	20	13	23	15
OBC	22	10	38	11	50	19	47	11
General	248	328	262	391	309	425	382	566
Others (minor)	--	--	--	--	03	03	--	--

2.1.6   Has the College conducted any analysis of demand ratio for the various programs offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease.

Programmes	Number of applications	Number of students admitted	Demand Ratio
UG 1.B.A	406	273	2:1
2.B.Sc	504	185	3:1
3.B.COM	96	76	1:1
PG 1.M.A(Odia) 2. 3. 4.	42	08	5:1
Integrated Masters 1. 2.			
M.Phil. 1. 2.			
Ph.D. 1. 2.			
Integrated Ph.D. 1. 2.			
Certificate 1. 2. 3.			
Diploma 1. 2. 3.			

PG Diploma 1. 2. 3.			
Any other (please Specify)			

2.1.7. Was there an instance of the College discontinuing a programme during last four years?   No

If yes, indicate the reasons.

2.2 Catering to Student Diversity

The college is catering to student's diversity through vertical and horizontal mobility.

2.21 Does the College organize orientation / induction programme for fresher's? If yes, give details of the duration of programme, issues covered, experts involved and mechanism for using the feedback in subsequent years.

　　　Yes

The college has conducted both orientation and induction programmes.

Orientation Programmes

Orientation programme is organized at the beginning of the academic year, normally during the last week of July. It is organized mainly to inform the newly admitted students about the college, its environment, the curricula and the infrastructure along with the Calendar of Academic Events. The practice of senior students arranging welcome function to fresher's are also encouraged.

The programme normally revolves around the following items:

- Vision and Mission of the institution
- Functioning of Autonomous structure
- Moral code of conduct.
- Requirements of the students
- Procedures to be followed
- Curriculum pattern
- Evaluation method
- Payment of fees as prescribed
- Attendance

- Student support services like NCC, NSS, Youth Red Cross,Scouts & Guides
- Cultural Forum, Extension activities, Field Visit, project work.

Induction programme

- The head or the senior faculty member in the Department conducts this programme at seminar level
- The students are introduced to the Curriculum pattern, Evaluation method and extension activities related to the curriculum
- Normally the suggestions provided by the students in such Induction programmes are taken into consideration
- Opinions and suggestions are sought from distinguished Alumni, Senior Academicians and the practice of inviting the senior students is also considered as healthy practice.

2.2.2 Does the College have a mechanism through which the "differential requirements of student population" are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes

Though the college is located in a municipality area it caters to the educational needs of marginalized class and communities from rural, semi - urban and urban localities. Hence, attempts are made to identify the differential needs of such students by going into their previous academic records and later at the second level. Through Induction programme care is taken to see that each marginalized stake holder is given justice.

2.2.3 Does the College provide bridge /Remedial /add - on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

The department of Commerce conducts *Bridge courses* for non-commerce students at the beginning of the academic year. Basics of Accounts are taught. Similarly, department of Computer Science conducts Bridge Course for non computer students where basics of Computers are taught.

Remedial classes are conducted in all the departments where slow learners are motivated. These classes are conducted for SC / ST students by utilizing grants from UGC.

2.2.4. Has the College conducted a study on the incremental academic growth of different categories of students; - student from disadvantaged sections of society, economically disadvantaged, physically handicapped and slow learners etc.? If yes, give details on how the study has helped the College to improve the performance of these students.

        Yes.

The college offers 3 years (6 semesters) Undergraduate Degree programmes and 2 years (4 semesters) Postgraduate degree programmes. The entry level qualification is (+2)Higher secondary for the former and Bachelor Degree for the latter. The students who have been admitted to these courses are expected to acquire a fair knowledge about these programmes. Their incremental academic growth is mainly tested and verified through examinations conducted at the end of every semester. Similarly the internal evaluation system has been adopted in the system of examination to help in this.

Incremental Academic Growth Analysis

- After the semester examination results are announced, a study on the incremental academic growth analysis is conducted.

- This is discussed in faculty meeting in the department and generally in the staff meeting.

- The next step is to point out certain drawbacks where the student has erred and the mentoring system is implemented so that individual attention can be given to each student.

- Continuous evaluation programmes and assessment system has been implemented both at UG and PG levels. Internal Assessment marks are awarded based on the performance of the students in tests conducted periodically, Seminars, Viva-Voce, Group Discussions and Project work.

- For PG programmes the CBCS and CGPA methods have been introduced which helps in measuring the academic growth. For UG programme CBCS will be introduced from the session2015-16.

2.2.5. How does the institution identify and respond to the learning needs of advanced learners?

Advanced learners who seek admission to the College will have naturally high expectations and ideals about the college. The college identifies these in the following manner.

- By their academic endeavours in the previous years
- By observing them in the classroom
- By their performance in the curricular and co-curricular activities

The college after identifying the advanced learners follows certain methodologies to meet their pedagogical needs such as follows.

- Motivate them to spend more time in studies
- Keep the library open for extended time to help them
- Help them to borrow more book from the library than allowed
- They are encouraged to get involved in the workshops / seminars conducted by the college.

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

Allotment of extra time during the examination & by creating differentially able friendly environment.

2.3. Teaching-Learning Process

The college has adopted more meaningful and vibrant teaching - learning system.

2.3.1 How does the College plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan and evaluation blue print, etc.)

- The draft of the Academic Calendar is prepared by the Principal in consultation with the Academic Bursar & controller of Examinations.
- The draft is discussed and finalized in the meeting of Heads of Department then placed before the Examination Committee and is approved in Academic Council Meeting.
- It is printed in the Prospectus which is given at the time of admission to all students

Teaching plans:

Before the commencement of classes, every year certain plans are chalked out as follows.

- Committee constituted to prepare the general time table.
- The copies of the time table distributed among the concerned departments.
- Subject classes and laboratory classes are distributed
- Lesson plans are prepared by each faculty member.
- The teaching plans are prepared and finalized at the department level.
- The teaching plans and the plan of action are noted down

Evaluation Blue Print:

This includes the following

- Syllabus oriented evaluation method is adopted.
- PG programmes have CBCS.

2.3.2   Does the College provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes.

- The college provides the course outlines and schedules before the commencement of the academic session.
- The teachers in the concerned department workout the teaching hours and make allocations of hours.
- The plans are also discussed in the meetings held at department levels.
- The heads and the Academic Bursar will discuss the modalities involved.
- The teaching and working plan are verified periodically to ensure smooth and effective running of the classes.

2.3.3 What are the courses, which predominantly follow the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?

In all the courses of PG and UG programmes Lecture method is primarily followed. Apart from lecture method and class room interactions several other methods are also followed. The following tables provides the methods and the learning experiences.

Methods	Learning Experiences
Lecture method	Updation of knowledge
ICT enabled teaching	Enrichment of knowledge
Tutorials	Focused attention
Practical's conducted at laboratories	On hand experience
Work assignments	Writing skill
Skill development records	Writing / comprehensive skill
Project work	Exposure to practical problems
Viva -voce	Interaction and personality development
Seminars	Competence building
Field Visit	Practical knowledge
Group Discussion	Leadership quality
Industrial Visit	Practical knowledge
Role play	Assuming responsibility

2.3.4. How is 'learning' made more student-centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

- Student centric ambience is created
- Student centric infrastructure
- Curriculum is student centric
- Students friendly class rooms
- Interactive sessions in the classrooms
- Problem oriented papers are taught with student's interaction

The following activities are normally implemented to internalize the learning system

- Seminars
- Group Discussion
- Field visit
- Visit to Laboratories

- Plant collection
- Participation
- Quiz programmes
- Visit to Institutions
- Debates

2.3.5. What is the College policy on inviting experts / people of eminence to provide lectures / seminars for students?

The college ensures quality enhancement in teaching by inviting experts / people of eminence to share their knowledge with students. In concurrence with this the college adopts the following

- Every department organizes at least one Special Lecture programmes in one semester.
- Syllabus is prepared in consultation with the experts in the field.
- People of eminence are invited to deliver lecture and to share their knowledge with the students regularly.
- Resource persons are invited based on the themes of the lecture or special lecture programmes being conducted

2.3.6. What are the latest technologies and facilities used by the faculty for effective teaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.

- LCD projectors
- Interactive White Board
- Internet Facility
- Wi-Fi
- Software.

2.3.7. Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.

          Yes

Mentor system is implemented to monitor the overall progress of the students. Under this system, a group of 16 students is assigned to a teacher/demonstrator. The mentors give due attention to the following-

- Monitoring the performance of the student in academic matters.
- Remedial classes for slow learners.
- Tracking the students attendance
- Bringing student's attendance and academic record to the notice of the parents.
- Guide students to choose electives
- Provide personal counselling
- Motivating the students to participate in social activities.

2.3.8.   Are there any innovative teaching approaches/methods/practices adopted/ put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Yes.

Innovative teaching methods have been adopted in the college. In the last five years more thrust has been made to adopt latest methods of teaching. These practices have been found to be fruitful and successful in making teaching more vibrant and relevant. Some of these innovative practices are listed below.

Undergraduate Programmes

- History students visit to different temples & monuments to gain knowledge on skill development
- Visit to anthropogenic sites by anthropology students to excavate different stones and to write a brief report.
- Students studying Political Science visit local self-governing Institutions and Legislative Council and Assembly to know how administration flows.
- Students of Economics visit Banks to get an in house experience.
- Commerce and Management students visit industries and corporate sectors for field exposure.
- Science students are taken to laboratories.
- Life Science students are taken to view and analyse the collection of plants in and around Talcher area, They are also taken to visit Herbal garden and medicinal plant garden

- Project work is assigned to Commerce, Management and Business Administration students.

- Postgraduate students undertake project work and make case presentations.

Outcome

Improvement in Learning.

2.3.9. How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?

Since the vision of the college is to provide quality education & to imbibe scientific temperament, every care is taken to sustain creativity and to motivate scientific temperament and attitude among the students. The learners attain these at the following levels.

- Science Exhibition / Quiz programme / Essay Competition

- Intercollegiate Quiz Competition

- One to one contact within the campus

- Co-curricular activities

- Participation in Seminars / Workshops / Conferences

- Interaction with academicians and scholars

- Exposures to wall papers, college annual magazine

- Participation in the activities of various co-curricular forums in the college

2.3.10. Does the College consider student projects a mandatory part of the learning programme? If so, for how many programmes is it made mandatory?

- ❖ Number of projects executed within the College

- ❖ Names of external institutions associated with the College for student project work

- ❖ Role of the faculty in facilitating such projects

Yes

The college considers the project works of the student as mandatory part of the learning programmes for the following courses

- B.Com, B.A., BSc, MA (Odia), students at the end of their Semesters takeup one project work which is compulsory.

Role of Faculty as facilitators

- The faculty in the Department hold a meeting to choose topics
- Normally the Head and the senior faculty in the department will allot students and the teachers to guide the projects
- Communication is established with the Industries / Corporate Houses / Association NGO's / Industry partners, if required.
- The faculty in the concerned department will provide guidelines regarding the work, the students have to complete and also discharge their duties as facilitators.
- After the collection of data the faculty helps the students to analyse and interpret the same.

2.3.11. What efforts are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials? What are the facilities available in the College for such efforts?

- The college has been making attempts to orient and equip the teachers in learning / handling computer aided teaching and learning materials. They are
- Periodical training is conducted

Faculty have been provided with computer and printer. Some are having their own laptops or the one provided by the institutions

- Deputing teachers to workshops or computer up gradation programmes in teaching learning material
- ICT enabled teaching facilities have been extended with more thrust on technology
- Some Software are available and help in the extension of technology
- Computer Laboratory is also utilized to provide technological or computer aided training

2.3.12 Does the College have a mechanism for evaluation of teachers by the students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?

Yes,

The college has adopted a mechanism to evaluate the teachers by following methods

- The feedback by the students

- The feedback which is collected is analysed by a committee

- The collection and analysis of the feedback and the process of evaluation of teachers have yielded good results

2.3.13 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes elaborate on the challenges encountered and the institutional approaches to overcome these.

Normally the college does not face any problem in completing the curriculum within the time frame. In exceptional circumstances the following correctional methods are adopted.

- Extension of the last day of closure of either even or odd semester

- Engaging special classes and extra classes

- Converting Laboratory classes into Theory classes

- Extending the lecture hours beyond time frame

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

The Chitrakala Library in the college caters the needs of both UG and PG programmes.Some of the salient features of our library are as follows.

- The main sections are the reference sections, stack area, the counter, newspapers section, journals and periodicals

It functions from 8 am to 5.00 pm and during the time of examination it worksfrom 8 am to 7 pm.

- Racks are maintained to store books with open access system

- Rare books and reference books are kept separately.

- Around 3000 books are procured to strengthen the Reading Room. Dictionaries and encyclopaedias are available in separate racks.

- Books and reference works for competitive examinations are kept.

- Books and reference works purchased under SC / ST schemes are kept and issued to the students on the production of membership cards

- Both UG and PG students are issued membership card

- The procurement of books is done on the basis of recommendations of the Heads of the departments, Senior faculty and members of the library committee.

- Preference is given to the needs of the students
- The library subscribe to weekly, fortnightly and monthly magazines
- Newspapers are procured
- Journals in the various disciplines like monthly, quarterly and half yearly are subscribed by the Library.
- A browsing centre is attached with 02 systems
- E-mail can be accessed.
- Every year feedback is collected from the students.
- Book exhibitions are encouraged to motivate the students to buy books and inculcate reading habits
- Entry register is maintained. Likewise reference register is also maintained

2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and the effect on student performance.

Continuous and comprehensive evaluating mechanism is systematically implemented. On the basis of this reporting is done on the quality of teaching and teaching methodologies adopted. It is also responsible for the classroom environment and makes a study of it on the performance of the students. Since this is cyclical the following steps are followed

- Obtaining feedback from students who are primary stakeholders.
- Receiving feedback from secondary stake holders, the Parents - during parents meeting
- The feedback, both general and particular, is referred to the concerned committees, Heads of the Departments and senior faculty.
- Correctional methods are initiated.
- Principal and Academic Bursar along with Heads of the departments usually monitor this.
- The Heads of the departments normally share this with the rest of the teachers in the concerned department.

2.4   Teacher Quality

2.4.1   What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the state?

Faculty strength: 59

Faculty strength from outside state: Nil

Faculty strength (UG) 2014-15

Sl.No	Designation/position	Sanctioned			Filled		
		UGC/ state	Manag- ement	Total	UGC/ state	Manag- ement	Total
1.	Lecturers					10	10
2.	Asst. Professors	49			26		
3.	Associate Prof.	13			13		
4	Professors	Nil	Nil	Nil	Nil	Nil	Nil
	Total	62			39	10	10

Total Sanctioned Posts: 62

Number actually working against sanctioned posts: 59

Appointed by the management against government sanctioned post: 10

Full time teachers appointed by the management: 10

Total Strength of the faculty: 59

2.4.2. How are the members of the faculty selected?

The college provides its requirements

- Govt. appoints faculty from among the selected Service selection Board candidates.

    The Management also fills the posts which are vacant which are not sanctioned by the Government

    The management calls for applications from eligible candidates who fulfils the eligibility Criteria prescribed by the UGC/ State Government. Advertisement is published in Local dailies. The applications are scrutinized and eligible applicants are called to appear before the interview committee or selection committee,only after it is permitted to conduct such interviews by the Government. The committee is constituted as per the guidelines issued by the Government. Selection is done on the basis of teaching capability, knowledge and depth in the concerned subject, vocabulary, communication skills, research bent of mind and demonstration.

- Selected candidates are short listed

- The Board of Management / State Government endorses the list.

2.4.3.Furnish details of the faculty

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	--	--					
Ph.D.			06		04	03	13
M.Phil.					04	06	10
PG			06	01	11	09	27
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG					03	06	09

2.4.4   What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?

Qualification	Number	Percentage
UGC - CSIR - NET	01	06
UGC - NET	--	--
SLET	02	12
PhD		
M.Phil		
P.G		
Total	03	18

2.4.5   Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details.

Yes

Faculty are recruited as per UGC/State Govt. guidelines

Department	% of faculty who are product of the same College	% of faculty from other Colleges within the State	% of faculty from other States	% of faculty from abroad
Arts/Sc/Com	20	80	Nil	Nil

2.4.6   Does the College have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?

      Yes.

But for PG programme , the requirement has been communicated to the govt.

2.4.7.   How many visiting Professors are on the rolls of the College?

1.   Dr. Ban BihariRath, Dept. of Odia.

2.   Dr. Naresh Ch. Pany, Dept. of Odia.

3.   Purusottam Das, Dept. of History

4.   SarojMohanty, Dept. of Botany.

5.   K.C.Parija, Dept. of Philosophy

6.   Premananda Sahu, Dept. of Commerce.

2.4.8. What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/international conferences/ Seminars, in-service training, organizing national/international conferences etc.) Permanent teachers are provided leave facility to pursue PhD under UGC - FIP

- The teachers are nominated from the college to present papers at National / International Conferences / Seminars /Workshops / Symposia and travel grant (to and fro) including the registration fee are reimbursed.

- Teachers are motivated to write to UGC and other funding agencies for matching grant

- Faculty members are deputed to attend Workshops / Orientation / Refresher courses conducted by Academic Staff Colleges of UGC

- Teachers are motivated to participate in inservice training programmes which helps them in teaching methodology.

- The teachers are assisted by the institutions to apply for research projects

- Institution also organizes Seminars / Workshops and Conferences to recharge the faculty regularly.

2.4.9. Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years.

1. B.N. Samal, Lect in Odia has been honored with

2.4.10 Provide the number of faculty who have undergone staff development programmes during the last four years. (Add any other programme if necessary)

Academic Staff Development Programmes	Number of faculty
Refresher courses	17
HRD programmes Orientation programmes	02
Staff training conducted by the College	08
Staff training conducted by University/other Colleges	05
Summer / winter schools, workshops, etc	08
Any other (please Specify)	--

2.4.11 What percentage of the faculty have

been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies	08%
participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	63%

presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	17%
teaching experience in other universities / national institutions and others	------
industrial engagement	------
international experience in teaching	------

2.4.12 How often does the College organize academic development programmes for its faculty, leading to enrichment of teaching-learning process?

Details	Duration
Curricular Development	Once in a year
Teaching-learning methods	Once in a year
Examination reforms	Need based
Content / knowledge management	Continuous
Workshops	Once in a year
ICT Enabled teaching	Once in a year

2.4.13. What are the teaching innovations made during the last five years? How are innovations rewarded?

- Adoption of ICT
- Adoption of Smart Class rooms
- Project work
- Student seminars
- Field study

2.4.14. Does the College have a mechanism to encourage

* Mobility of faculty between institutions for teaching?

* Faculty exchange programmes with national and international bodies?

If yes, how have these schemes helped in enriching quality of the faculty?

No

2.5   Evaluation Process and Reforms

2.5.1   How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?

Through the Calendar of Academic Events it reaches the stake holders. It is also conveyed to the students during the time of Orientation and Induction programme.

2.5.2 What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system? Evaluation reforms are initiated periodically.

The office of the Controller ofExamination held two -day seminar on examination reforms dated 2nd & 3rd Sept2014 and accordingly reforms are being introduced periodically. Some of them are as follows:

- Analysis of results & review of answer scripts from external examiners.
- Introduction of for PG programmes.
- Introduction of 80: 20 components for continuous evaluation.
- Conduct of two mid-sem Exam

2.5.3 What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?

Continuous Assessment done through Test and Internal Assessment and Viva Voce component. Periodically Mid sem exams are conducted.

2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?

The percentage of IA marks is 20 which consists of Long type - 12, Short type-08. B.A., BSc., B.Com. & PG students have Project Work.

2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?

Yes

2.5.6 What is the average time taken by the College for declaration of examination results? Indicate the mode / media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.

The examination results of the UG programmes are announced within 45 days after the last day of examination by the Controller of Examinations in presence of the Principal & some members of examination committee.

2.5.7 Does the college have an integrated examination platform for the following processes?

* Pre-examination processes - Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc. ? Examination process - Examination material management, logistics.

* Post examination process - attendance capture, OMR based exam result, auto processing, generic result processing and certification.

Pre-examination processes

- Payment of examination fee by the students
- Students who have paid examination fee are considered as registered candidates
- Time table is announced
- The Head or the senior faculty in the Department in consultation with the Principal and Controller of Examination, appoints members of Board of Examiners
- Chairperson is appointed
- Notice of the meeting of the BOE is served
- Necessary stationeries procured from the office of the Controller of Examination
- Question paper requirement is passed on to the BOE Chairperson for the ensuingexamination
- Question papers are procured
- Meeting of the BOE is conducted where question papers in the form of manuscripts are scrutinized, checked and passed on to the office of the Controller of Examination
- Admit Cards are issued to candidates .
- Invigilators are appointed to conduct examination
- Members are enlisted to the squad team .
- Post examination process

- Coding officers to code the answer scripts are appointed
- Answer scripts are coded and they are sent to the External Examiners for valuation duly appointed by the Controller of Examination .
- After the computation of marks results are declared and announced. Press statement is issued to newspapers regarding the announcements of the results

2.5.8 Has the College introduced any reforms in its Ph.D. evaluation process?
N.A.

2.5.9 What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/ section?

The college has been trying to streamline its operations in the working of the office of the Controller of Examination where fair, smooth and confidential work is carried.

- Pre and post examination process(wherever necessary) have been computerized and automated
- Transparency is maintained wherever possible without disturbing the confidential aspects related to the various process of conduct of examinations
- Faculty and administration staff is given training periodically regarding the conduct of examinations.

2.5.10. What is the mechanism for redressal of grievances with reference to evaluation?
Transparency and confidentiality are maintained in the examination section. The grievances, if any, are brought to the notice of the Controller of Examination and the Principal. Re-addition of marks, when required is done by appointing a committee.

2.6. Student Performance and Learning Outcomes

2.6.1 Does the College have clearly stated learning outcomes for its programmes? If yes, give details on how the students and staff are made aware of these?
Yes.

Every year the learning outcomes are analysed at the meetings of heads of departments. Also, they are thoroughly discussed in the meetings of Academic Council and Governing Body. The suggestions made at these meetings are brought to the notice of the concerned staff. In fact, the College is answerable to the Govt. in case of poor performances and the departments faring not well have been issued notices and explanations have been called for.

2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?

The student centric teaching, learning and evaluation methods ensure the achievement of learning outcomes of the students.

2.6.3 How does the institution collect and analyse data on student learning outcomes and use it for overcoming barriers of learning?

- By collecting the data of the marks scored by the students
- By retaining of the track-records of the students
- By inputs provided by stakeholders
- By opinions suggested by academicians

2.6.4. Give Programme-wise details of the pass percentage and completion rate of students.

Course wise / Programme wise Results (in %)

Programme Course	2010-11	2011-12	2012-13	2013-14	2014-15
B.A.	87	95	96	83	96
B.Sc.	83	78	91	91	91
B.Com.	100	100	86	41	86
M.A					100

BA

Year	Candidates Registered	Candidates Appeared	Candidates Passed	Distinction	I Class	II Class	Pass
2010-11	67	67	67	9	11	30	17
2011-12	97	97	93	24	17	49	27
2012-13	51	51	46	13	09	21	16
2013-14	83	83	78	18	15	57	06
2014-15	102	102	96	34	62	30	04

B.Sc.

Year	Candidates Registered	Candidates Appeared	Candidates Passed	Distinction	I Class	II Class	Pass
2010-11	53	53	42	08	23	13	08
2011-12	82	82	82	21	48	23	11
2012-13	56	56	46	24	19	16	11
2013-14	91	91	65	39	27	21	17
2014-15	84	84	74	43	43	28	03

B.Com

Year	Candidates Registered	Candidates Appeared	Candidates Passed	Distinction	I Class	II Class	Pass
2010-11	20	20	20	03	03	15	02
2011-12	24	24	24	06	04	13	07
2012-13	33	33	25	03	04	15	06
2013-14	41	41	25	02	00	19	06
2014-15	44	44	38	06	08	12	18

M.A

Year	Candidates Registered	Candidates Appeared	Candidates Passed	Distinction	I Class	II Class	Pass
2014-15	08	08	08				

Any additional information regarding Teaching, Learning and Evaluation, which the institution would like to include.

The results in the college have always exceeded 90% which is much higher than the University average.

■

CRITERION: III

CRITERION III
RESEARCH, CONSULTANCY AND EXTENSION

3.1   Promotion of Research

3.1.1. Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes.

The college has a Research Committee with due representation from Science, Humanities & Commerce constituted under the leadership of Principal. This guides faculty and give suggestions for making policy decision regarding research among faculty and students. The College publishes research Journal.

3.1.2. What is the policy of the College to promote research culture in the College?

The Young Teachers are encouraged to apply for minor/major research projects and register for PhD programmes. The college had arranged a workshop on Research Methodology for the benefit of young teachers.

3.1.3. List details of prioritized research areas and the areas of expertise available with the College.

Dept.	Thrust area	
Botany	Chloroplast senescence, Microbial interaction. Study of Rare, endangered/threatened species of wild life of Satkosia	Dr.Y.N.Behera R.N.Rath
Chemistry	Polymerisation,Solvent extraction	Dr.A.K.Pradhan J.Panigrahi
Odia	Odia Drama,	B.N Samal
Physics	Acoustics, Water pollution in industrial area	Dr S.K.Rath Dr. P.M.Nanda
Mathematics	Univalent & Multivalent functions	Dr. P.Sahoo
Pol.Sc	Local self Govt, Empowerment of civil Society	Dr. K. Boity Basant Naik

3.1.4.   What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/projects?

* advancing funds for sanctioned projects

The college supports the requirements of the researchers by meeting the travelling and others expenditure involved in preparation, presentation and submission of project proposals. All other incidental funding, if any, are met by the college

* providing seed money.

All the infrastructure facilities with internet and Wi-Fi, for taking up the research work are made available by the college.

* autonomy to the principal investigator/coordinator for utilizing overhead charges.

The principal Investigator is given independence and ample flexibility to execute research projects.

* timely release of grants.

The principal is given full freedom to release the grants for research as and when required by the principal investigator.

* timely auditing.

Expenditure and receipts are audited from time to time by certified Chartered Accountants engaged by the College.

* submission of utilization certificate to the funding authorities

Utilization certificates in respect of all completed minor research projects have been sent to UGC in time.

3.1.5.   How is interdisciplinary research promoted?

* between/among different departments of the College and

The college encourages and motivates to undertake interdisciplinary research. Members of Botany & Zoology are doing interdisciplinary research.

* collaboration with national/international institutes / industries.

utilization of instrumental expertise, and lab experiments are done in collaboration with the MCL Ltd. & NTPC.

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

The college has organized special lecture programs for the benefit of students from eminent scholars and resource persons from reputed institutions and research laboratories.

List of researchers of eminence who visited the college during the last five years on various occasions

Sl No	Name	Designation and Address
1.	Prof. R.C.Mohanty	Prof emeritus , UtkalUniversity
2.	Prof. B.C.Tripathy	Vice Chancellor, Ravenshaw University
3.	Prof .P.K.Mahapatra	Prof emeritus , Sambalpur University
4.	Prof. B.B.Mishra	Prof. Microbiology, OUAT, BBSR
5.	Prof. NiranjanBehera	Prof. Life Sc., Sambalpur University
6.	Prof, P.K.Mohanty	Prof emeritus, JNU, New delhi
7.	Prof Banchanidhi Mishra	Retd. Prof. Berhampur University
8.	Dr.Akshya Nanda	Retd prof of Botany
9.	Dr. satyaban Jena	Prof.P.G. Dept of Chemistry, Utkal University
10.	Prof S.Mohanty	Prof. Dept. of Math, IGIT, Sarang
11.	Prof. N.K.Choudhury	Prof. Dept. of Math, IGIT, Sarang
12.	Prof. Sunakar Panda	Prof. Dept of Chem, Berhampur University
13.	Prof Sadasib Pradhan	Prof. Dept of Archeology & Ancient History, Utkal University
14.	Prof Asok Kumar Pattnaik	Prof. Utkal University
15.	Prof S.N.Srinivasan	Indian Academy of Science, Bengaluru
16.	Prof. A.K. Basa	Prof. Dept. of Anthropology, UU

3.1.7. What percentages of faculty have utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?

No faculty has availed sabbatical leave. However teachers are allowed flexible teaching hours to facilitate research.

3.1.8. Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events. College highlighting the names of eminent scientists/scholars who participated in these events.

List of Conference/Seminars

Sl. No.	Topics	Depts.	Date and State/ National	Eminent Scholars Participated
1.	OrganicFarming, Floriculture, & OBCS	Botany	28 & 29 Jan 2014 National	Prof.R.C.Mohanty, Prof. B.C.Tripathy, Prof. P.K.Mahapatra, Prof. N.Behera, Prof. B.B.Mishra,
2.	Ethnobotany	Botany & Anthropology		Prof. N.C. Dash Dr. S.K. Mishra
3.	Industrial waste management	Chemistry	State level	Prof. Sunakar Panda Prof.Bamakanta Garnaik Dr Sushree Senapati
4.	Creative Literature	Odia	State level	Dr Sarat Ch.Pradhan Dr B.C Pattanaik Dr K.C Pradhan
5.	Booleean Algebra & Abstract Algebra	Mathematics	State level	Prof.S Mohanty Prof.N.K.Chaudhury
6.	Kalidas	Sanskrit	State level	Dr Narayan Prasad Dash Dr Kamadev Pati Prof. Braja Kishore Swain Prof. B. B. Mahapatra Dr Bhagaban Parida Prof. Sushanta Ku.Rai
7.	Political Elite in Modern Politics	Political Science	State level	Prof.Jayanta Mahapatra, VC Berhampur University.

3.1.9. Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab toland).The Dept. of botany has been training farmers on mushroom cultivation & use of Azolla. A survey of the nearby Kanhaijana forest

was undertaken by the Dept.& important medicinal plant ,their uses, and conservation has been discussed with the villagers. Govt& the Dept. of forest&Env.have been requested to declare the said forest as a reserve forest and Eco-tourism spot. Many extension activities of Botany/Zoology/Education/NCC have an impact on Women Welfare, Hygiene, Conservation, Awareness-Students-community. Dept. of Anthropology is continuously undertaking field work.

3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

List of Candidates registered for Ph.D.

Sl. No.	Name of the Candidates	Guide	Part Time/ Full Time	Status of Research
1.	Basanta K Naik	Prof. N.Gaon	Full Time Trade Union Politics in Odisha	SRF, continuing
2.	Khitish Ch. Jenamani	Dr. Y.N.Behera	Part time Impact of pollutants on growth, photosynthesis--	Continuing
3.	J.Panigrahi	Dr.B.K.Garniak	Part time Solvent extraction	Continuing
4.	Swetalina Kar	Dr.S. K. Das	Part time "Pandit Jyotiraj--- Analytical addition	Continuing
5.	Avijita Das	Dr. G.P. Das	Part time The concept of ... ...Gita	Continuing
6	O.B.Kabikanya	Prof. J. Das	Part time The little tradition-- --great tradition	Thesis submitted

7.	A.K.Sharma	Dr. B. Das	Part time Financial performance---- Companies in India	Continuing
8.	B.N.Samal	Dr. N. Sahu	Part time Odishara Soukhin Natyasanstha-O- Sampratik Odia Nataka.	Continuing
9.	Raghunath Rath	Dr S.P.Rath	Full time Studies of Rare, Endangered, threatened(RET) wildlife of satkosia	Thesis submitted

04 teachers have applied for Minor research projects to UGC

3.2   Resource Mobilization for Research

3.2.1   What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.-Nil

3.2.2   What are the financial provisions made in the College budget for supporting student research projects? -Nil

3.2.3   Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?-Nil

3.2.4   Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents. Nil

3.2.5 Provide the following details of ongoing research projects:

	Year wise	Number	Name of the project	Name of the funding agency/ Industry	Total grant received
A. College Fund	--	--	--	--	--
Minor Project	2010-11 2011-12 2012-13 2013-14	03 03 02 01	Studies of Rare, Endangered, threatened(RET) wildlife of satkosia Odishara soukhin rangamancha -o- sampratik odia Nataka. Studies of physico-chemical characteristics of water resources in Angul-Talcher Industrial Complex	UGC	
Major Project	2012-13 2013-14 2014-15	01 01 01		UGC(JRF) UGC(JRF) UGC(SRF)	
Along With Industry		--	--	--	-- --
B. Other agencies - national and international (specify)					
Minor Project	--	--	--	--	--
Major Project	--	--	--	--	--
C.Industry sponsored	--	--	--	--	--

3.2.6 How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.

NIL

3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/National/International agencies).

Completed projects: 06

Total Grant: Rs.4, 07,500

3.3 Research Facilities

3.3.1 What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?

The college provides basic research facilities required for research activities. The equipments available in the science laboratories are utilised.

Library is provided with Internet facilities. Students and faculty can have access to library from 8.00 AM to 7.00 PM. Teachers also use Internet in the SAMS lab.

3.3.2 Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.

The Library and Reading Room also acts as the Information Resource Center and meets the needs of the researchers.

Following are the details:

Items	No/Units
Books	31968
Books in Reading Room	3576
Theses	13
Reference Books	16844
Competitive Exams	963
Journals	31
Back Volumes of Journals	1236

3.3.3   Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?
The college provides hostel facilities for those who pursue Research.

3.3.4   Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.

Every department has basic infrastructure and equipment to facilitate research activities.

3.3.5   Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.
No

3.4.   Research Publication and Awards

3.4.1   Highlight the major research achievements of the College through the following:
Major papers presented in regional - State, National / International conferences:
A. International :
B. National :
C. State/Regional :

3.4.2   Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?
Yes.
The College publishes research journal titled Talcher College research journal

3.4.2   Give the details of publications by the faculty

Publications	2010-11	2011-12	2012-13	2013-14	2014-15
Number of paper published in peer reviewed journal (national / international)	01	01	02	01	03

Monographs					
Chapter in Books					
Editing Books					
Books with ISBN numbers with details of publishers					
Number listed in international database					
Citation Index-range/average					
SNIP					
SJR					
Impact factor-range-average					
h-index					

3.4.4   Indicate the average number of successful M.Phil and PhD scholars guided per faculty.

       2 successful PhD and 2have submitted.

3.4.5   What is the stated policy of the college to check malpractices and misconduct in research?

       The research committee monitors the activities

3.4.6   Does the college promote interdisciplinary research? If yes, how many inter departmental/inter disciplinary research project have been undertaken and mention the number of departments involved in such an Endeavour.

       Interdisciplinary research are encouraged . Members from Physics & Chemistry are doing interdisciplinary research. Similarly Botany & Zoology together are surveying flora/fauna.

3.4.7   Mention the research awards instituted by the college.

       Nil

3.4.8   Provide details of research awards received by the faculty:- Nil recognition received by the faculty from reputed professional bodies and agencies:- Nil

3.4.9   State the incentives given to faculty for receiving state, national and international recognitions for research contributions:-Nil

3.5 Consultancy

3.5.1   What is the stated policy of the college for structured consultancy? List a few important consultancy services undertaken by the College.
The faculty members of some department provide consultancy on honorary basis

3.5.2   Does the College have College-industry cell? If yes, what is its scope and range of activities?
No

3.5.3   What is the mode of publicizing the expertise of the college for consultancy services? Mention the departments from whom consultancy was sought.
verbal

3.5.4   How does the college encourage the faculty to utilize the expertise for consultancy services?
The College encourages the faculty.

3.5.5   List the broad areas of consultancy services provided by the College and the revenue generated during the last five years.
Honorary service is provided by-
The department of Commerce to Individual with regard to personal taxation and savings. The faculty of the Department of Botany provides consultancy service, in the form of identification of plants and providing scientific names to Students, Research scholars, and teaching staff of Zoology department, Horticulture & Agriculture department. The department also gives consultancy on use of medicinal Plants /snake bites/animal bites etc.

3.6   Extension activities and Institutional Social Responsibilitiy(ISR)

3.6.   1How does the college sensitize the faculty and student on Institutional social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.

The NCC, NSS, the Red Cross, Scouts and Guides, Poor Boys Fund supplements the welfare programmes of the students

NCC & Red Cross organise camps every year in rural areas with the involvement of the local people. They are involved in cleaning activities, AIDS Awareness campaign and conduct surveys.

Students of anthropology visit various colonies and conduct outreach activities.

Botany students sensitize on the use of commonly available medicinal plants.

Blood donation camps are organised on regular basis.

Conduct of awareness programmes on evileffects like dowry,early marriage,Adolescent sexual reproductive health, save Girl child, Yoga & meditation have created impact on students and public.

3.6.2 How does the college promote college-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?
Volunteers of Red Cross and NCC regularly organise outreach programmes in the village Dharampur and Chauliakuta specially on AIDS, Save the Girl Child .

3.6.3 How does the college promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?
The College has the following

      NCC
      Units: 1/Odisha/BN/NCC
      No of Officers:1
      No of Cadets: 100

      NSS
      Units: 2
      No of volunteers:50
      Routine activities: weekly programmes

Attendance is given to students participating in the NCC & social camps.

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

Sl. No.	Year	Place of Camp	Organised by	Name of the programme
1	2011	Kahaijana	Botany	Survey &Use of medicinal Plants
2	2012	Khuludi	NCC & Red Ribbon Club	Cleaning of streams, awareness on save the girl child
3	2013	Samal/tippa	NSS & Bot	Cleaning of Pond, Survey &Use of medicinal Plants
4	2014	Dharampur	NSS & Bot	Health awareness program-rural women
5	2015	Dharampur	NCC & Education	AIDS awareness, Cleaning of drains/ roads

3.6.5 Give details of awards / recognition received by the College for extension activities / community development work.
NCC cadets participated in the parade at New Delhi

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

The College has organised extension activities to facilitate promotion of social justice, concern on environment, civic consciousness etc.

3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the college which have encouraged community participation in its activities.
Organisation of Annual day of different departments, student community lunch on festive occasions.

3.6.8   Does the college have a mechanism to track the student's involvement in various social movements / activities which promote citizenship roles?
Yes,
The NCC & YRC maintain records pertaining to their activities. Students make rally on world environment Day, NCC cadets make rallyevery year carrying social messages that promotes citizenship roles.

3.6.9   Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities
Student volunteers participate in the cleaning programmes in Talcher area.

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

3.7   Collaboration

3.7.1   How does the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefited academically and financially because of collaboration? Nil

3.7.2 Mention specific examples of, how these linkages promote
              Curriculum development
              Internship, On-the-job training
              Faculty exchange and development
              Research, publication
              Consultancy, extension
              Student placement
              Any other, please specify
              -Nil-

3.7.3   Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/industries/corporate houses etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning,research and development activities of the College?
No.

3.7.4   Have the college industry interactions resulted in the establishment / creation of highly specialised laboratories/facilities?
The College requests MCL?NTPC to augment the infrastructural facilities to enhance the teaching/learning activities. ■

CRITERION: IV

CRITERION IV
INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

Efforts are being made to ensure smooth and effective functioning with the available physical infrastructure.

- There are 20 class rooms, 02 Smart Classes, 10Laboratories, 01 gallery, 01 Library, 01 Reading room, 01 Sports room, 01Canteen, 01 Gym, 01 Browsing center, 01 Counseling cell, 01Seminar hall, 01 NSS and NCC, 01Scout & Guide, 01 Women's hostel, 01 Boys hostel,05 staff quarter, 01 principal's residence.
- Hostel can accommodate 200 inmates.
- Other facilities - Principal's room, Office room, IQAC room, Staff room, Student'srest room, Store room, Generator room.
- The outdoor sports facilities - a spacious play ground with volley   ball, throw ball, badminton courts.
- Indoor sports facilities - shuttle badminton court, chess, table tennis and carom
- Multi Gym facility
- Furniture and other equipments are provided adequately.
- Separate laboratories.
- Optimum utilization of available resources.
- It has an IGNOU special study center
- Playground is utilised by the public for independence and Republic Day parade & organising sports events etc.
- Shift system implemented to accommodate +2 &+3 classes.
- Yoga classes, meetings, Special Lectures, Seminars, Workshops and conferences are organised in the conference hall.
- Equipment and computers maintained by the college

- Housekeeping, garden maintenance and security services - outsourced.
- College canteen.
- Cycle stand & Parking facility
- Power supply through generators.

4.1.2 Does the College have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

The College is continuously seeking assistance of Public sector age ncies like Mahanadi Coalfields Ltd., NTPC, NALCO to augment the infrastructure.

Laboratories have been equipped with adequate instruments. Smart class room facility, LCD projector, Wi-Fi network, internet connectivity to enhance access to e-learning resources.

4.1.3 Does the college provide all departments with facilities like office room, common room, and separate rest rooms for women students and staff? Yes

- Each Science department has been provided a staff room equipped with computer, printer.
- Few departments have department libraries
- Separate rest rooms for the staff and students.
- Common Ladies Room
- First aid center in Hostel with first aid facilities

4.1.4 How does the college ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?

▸ The college has been making efforts to make the campus easily accessible to persons with special needs.

4.1.5 How does the college cater to the residential requirements of students? Mention Capacity of the hostels and occupancy (to be given separately for men and women)

Recreational facilities in hostels like gymnasium, yoga center etc

Broadband connectivity/ Wi-Fi facility in hostels.

Following are the initiatives of the college in catering to the residential needs of the students with regards to:

- Capacity of the hostels and occupancy (to be given separately for men and women)

2 storied Boy's hostel building in the campus comprising 50 rooms to accommodate 100 students.

One storied Women's Hostel building with14 rooms accommodating 100 inmates. Propose to build another hostel.For this proposal has been sent to UGC/Govt.

- Recreational facilities in hostels like gymnasium, yoga center etc

Recreational facilities - reading room, yoga center, indoor games, guest room, office room.

Multi-gym available in the college campus.

- Broadband connectivity/ Wi-Fi facility in hostels
  Broadband connectivity is provided in the College.
- Facilities provided in the hostel

Study table, chair and almirah with shelves and bed for each student,

24 x 7 water, power, and security

Potable drinking water

Common wash and bath rooms

Modern kitchen

Dining hall

Reading room

Counseling Center

4.1.6   How does the college cope with the health related support services for its students, faculty and non-teaching staff on the campus and beyond?
Blood grouping & health check-up is conducted for all the students. Maternity/paternity leave is allowed with pay protection.

4.1.7   What special facilities are made available on the campus to promote interest in sports and cultural events?
The college has adequate infrastructure and equipment for sports and cultural activities, which include physical conditioning equipments with 16 station in the gymnasium of the College. Sports equipments like cricket, Football, Basketball, Volleyball, Hockey, Badminton, Javelin throw, Shot put etc., is available.

4.2   Library as Learning Resources

The college has taken initiative to motivate the students to make the best use of the facilities provided to inculcate reading habits, research and holistic development of the students to make a worthy citizen in the emerging knowledge society.

4.2.1   Does the library has 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 college has a Library Advisory Committee and its members for the academic year 2014-15 are as follows:

Sl No	Name	Designation	
1	Dr.G.S.Mahapatra	Principal	Chairperson
2	Sri K.C.Pradhan	Reader	Member
3	Sri Sanatan samal	Lect	Member
4	Sri Ashok Ku Sharma	Lect	Member
5	Capt.Subrat Ku Das	Lect	Member
6	Dr saroj Rath	Lect	Member
7	Sri Sanjay ku Dhal	Librarian	Secretary
8	Sri Babula Sahoo	Asst Librarian	member

Significant initiatives:-

Library automation has been made with e-Granthalaya software

4.2.2 Provide Details of the following:

- Total Area of the Library (In Sq. Mts) : 193 sq.mt
- Total Seating Capacity : 50
- Working Hours

Working days 8.00 am to 5.00 pm

General holidays 10.00 am to 1.00 pm

During vacation 10.00 am to 5.00 pm.

- Layout of the library (individual reading carrels, lounge for browsing and relaxed reading, IT zone for accessing e-resources).

- Access to the premises through prominent display of clearly laid out floor plan,adequate signage, fire alarm, access to differently abled uses and mode of access to collection

  Yes

  Display boards are provided

  Fire extinguishers are provided

  Open access system.

4.2.3   Give details on the library holdings

Print	Total No
Books	31968
Back volumes of journals	45 titles
Theses	05
Non Print(Microfiche, AV)	
Electronic	
E-Books through UGC Infonet NLIST programme	
Text Books	15124
Reference Books	16844
Competitive Exams	1352
Daily News Papers	09
Project work(BA,BSc,BCom,MA)	Project reports of diff dept
Reports	Seminar, Essay

4.2.4   What tools does the library deploy to provide access to the collection?

Electronic resource management package for e-journals

4.2.5   To what extent is the ICT deployed in the library?

Library Automation

No of computers for public access:- 02

No of printers for public access: - 02

Internet band with speed: - BSNL broadband with100 mbps

4.2.6   Provide Details (per month) with regard to

Average No of walk-ins   -50

Average No of books issued / return-120

Ratio of library books to student's enrolled-30:12

Average No of books added during last three year -605

4.2.7 Give details of the specialized services provided by the library:

Internet Access -Students are using internet for searching articles from different journals.

Downloads - Yes

References - Ready reference service is offered to the students and the faculty for the retrieval of information, articles and books.

Reprography -Xerox facility is provided.

ILL (Inter library Loan Service) - NO

User Orientation - Every year librarian introduces the students to various services available in the library during orientation and induction programmes.

Information deployment and notification

News clipping on various topics is displayed in the notice board. Paper cuttings covering programmes in the college are also filed.

In-house/remote access to e-resources - No

Assistance in searching databases - No

INFLIBNET/IUC facilities - No

4.2.8 Provide details on the annual library budget and the amount spent for purchasing new books and journals.

The following are the statistics for the last five years.

Consolidated Annual Library Budget and Amount spent (in Rs.)

Library Holdings	2010-11	2011-12	2012-13	2013-14	2014-15
Text Books	186884	139277	11647	92106	37264
Reference Books	280325	208916	17470	138160	55897
Others	50085	30811	0	0	8850
Total	517294	379004	29117	230266	102011
Journals	30390	45009	0	595	0
Periodicals	9238	8704	12062	12956	13410
Total	556922	432717	41179	243817	115421

2010-2011

Library Holdings	Number	Amount in Rs	
Text Books	1147	186884	
Reference Books	765	280325	
Others(Book Case)	6	50085	
Total	1912	517294	
Journals	389	30390	
Periodicals	11	9238	
Total	2312	556922	

2011-12

Library Holdings	Number	Amount in Rs	
Text Books	621	139277	
Reference Books	932	208916	
Others(Book Case/Rack)	4+1	30811	
Total	1553	379004	
Journals	712	45009	
Periodicals	11	8704	
Total	2276	432717	

2012-13

Library Holdings	Number	Amount in Rs	
Text Books	88	11647	
Reference Books	132	17470	
Others	0	0	
Total	220	29117	
Journals	0	0	
Periodicals	11	12062	
Total	231	41179	

2013-14

Library Holdings	Number	Amount in Rs	
Text Books	449	92106	
Reference Books	674	138160	
Others	0	0	
Total	1123	230266	
Journals	12	595	
Periodicals	11	12956	
Total	1146	243817	

2014-15

Library Holdings	Number	Amount in Rs	
Text Books	189	37264	
Reference Books	284	55897	
Others(Book Case)	1	8850	
Total	473	102011	
Journals	0	0	
Periodicals	11	13410	
Total	484	1,15,421	

4.2.9   Does the library get the feedback from its users? If yes, how is it analyzed and used for?

Yes, Feedback is taken

- through suggestion book
- through alumni
- through questionnaires
- through Parents - Teacher meeting

Feedback received from stakeholders are analysed and accordingly Books are purchased as per the demands.

4.2.10 List the Infrastructural Development of the library over the last five years.

Installation of CCTV, Semester wise updating of text books and reference works,Addition of book racks,Glass door almirahs, Windows Server 2008,

4.2.11 Did the library organize workshop/s for students, teachers, non-teaching staff of the college to facilitate better Library usage?

Yes, The Library organises workshops to facilitate better library usage during induction.

4.3 IT Infrastructure

Necessary IT infrastructure and facilities provided to carry out administration and examination work

4.3.1 Does the college have comprehensive IT policy addressing standards on IT service Management, information Security, Network Security, Risk Management andsoftware asset Management?
Yes

- IT instruments are maintained by the department of Computer Science.
- For information security, the authentication access is followed
- For internet security, f anti-virus are used.
- Regular backups are done through servers. Information is uploaded to the server.

4.3.2 Give the details of college computing facilities (Hardware and Software)

Number of Systems with configuration	:	36
Computer Student Ratio	:	1:13
Dedicated computing facility	:	Yes
LAN facility	:	Available
Propriety software/Open source software	:	Both are used
Computer with internet facility	:	All systems are provided with Internet connectivity
Any other	:	Local Area network

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

Both hardware and software are being procured to add to the existing facility. Following are the institutional plans and strategies for deployment and up gradation of IT infrastructure.

Upgrading Internet and Wi-Fi bandwidth speed

Automated student attendance system

Centralized server based lab

4.3.4 Give the details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.

College has provided facility for both faculty and students to use internet in the college campus using LAN and Wi-Fi.

Educational CDs are made available in the library which can be used for teaching and learning.

Some class rooms and laboratories are equipped with multimedia projector and necessary computer facility to help students and faculty access internet and online e-resources.

4 Smart classrooms with white boards are used as an interactive class for effective teaching.

05 departments have multimedia projectors

4.3.5 Give the details on the ICT enabled classrooms/learning spaces available within the college and how they are utilized for enhancing the quality of teaching and learning.

Conference hall and some laboratories have ICT facilities.

4.3.6 How are faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the college or affiliating University for such initiatives?

Faculties are trained for computer aided teaching-learning materials

Faculty members are given training to access through internet.

4.3.7 How are the computers and their accessories maintained? (AMC, etc.)

Computers, accessories and UPS are maintained by the Computer Sc Dept.

4.3.8   Does the college avail of the National Knowledge Network Connectivity directly or through the affiliating University? If so, what are the services availed of? Efforts are being made to avail this facility from Utkal University.

4.3.9   Provide details on the provision made in the annual budget for update, development and maintenance of the computers in the college?

Annual budget of the college for updating, development and maintenance of the computers :

Year	Budget	Amount spent
2010-11		4,41,006
2011-12		3,62,710
2012-13		-
2013-14		2,96,150
2014-15		-

4.4 Maintenance of Campus Facilities

The Discipline Committee & Construction Committee looks after the overall development of the campus.

4.4.1   Does the College have an Estate Office/ designated officer for overseeingmaintenance of buildings, class-rooms and laboratories? If yes, mention a fewspecific initiatives undertaken to improve the physical ambience.

The College Construction Committee and the Prof. In-charge of Electrification looks after the overall maintenance of the building, Classroom and Laboratories.

4.4.2   Does the college appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details -

The college has a mechanic who looks after the repair & maintenance of the existing facilities. The computer & peripherals are repaired/maintained as and when required.

■

CRITERION : V

CRITERION V
STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?

Functions of the students' support system:

- Motivate students to participate in co- curricular and extracurricular activities including cultural, literary and sports.
- Inculcating leadership qualities among students.
- Creating awareness on social responsibilities and making them responsible citizens.
- Creating awareness about HIV and its prevention through Red Ribbon Club by organizing meetings & distributing leaflets.
- Encourage students to contribute to the college magazine and wall magazine.
- Promotion of participatory management through student's councils.
- Organizing meetings of career counselling.
- Preparing students for interviews and competitive examinations.
- Anti-ragging activities and sexual harassment Redressal in tune with the ruling of the Supreme Court of India.

Student mentoring:

A mentor system is established to monitor the overall progress of the students . Under this system, a demonstrator is assigned a group of 20 students. The mentors give due attention to the following-

- Monitoring the performance of the student in academic matters.
- Remedial classes for slow learners.
- Tracking the students attendance
- Bringing student's attendance and academic record to the notice of the parents.

- Guide students to choose electives
- Provide personal counselling
- Motivating the students to participate in social activities.

5.1.2 What provisions exist for academic mentoring apart from class room work? Students are encouraged to:

- Undertake project work/field work
- Organize academic tours and field visits.
- Participate in Symposia /Seminars /Conferences and Workshops.
- Take part in special lectures conducted by departments.

5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., career counseling, soft skill development, etc.

The Career counselling Cell conducts training programs on prospects of the companies, interview and resume preparation. The cell organises meetings in inviting Human Resources of different companies.

5.1.4. Does the College publish its updated prospectus and handbook annually? If yes, what are the activities / information included / provided to students through these documents? Is there a provision for online access?

Yes.

The college publishes its updated prospectus annually. It is issued to students at the time of admission. The information is also disseminated through website. The prospectus provides the detailed information about the college, its vision/ mission, Students charter, Rules/Regulations, admission details, courses offered etc. The same is also available in the college websitewww.talchercollege.org.

5.1.5. Specify the type and number of scholarships / freeships given to students (UG/PG/M.Phil/Ph.D./Diploma/others in tabular form) by the College Management during the last four years. Indicate whether the financial aid was available on time. Freeships to students are given to students belonging to economically weaker section by exempting from paying development fee at the time of admission.

5.1.6 What percentage of students receives financial assistance from state government, central government and other national agencies? (e.g., Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)

Scholarship from central Govt.,State Govt.,Financial aid from college and other donors are available to students as reflected in the college calendar.

Scholarship Details for the Year 2011-12 to 2014-15

Sl No	Scholarship	sponsor	2011-12	2012-13	2013-14	2014-15
1	SC/ST	centre				
2	Post Matric	State	67	90	144	178
3	Merit	__	__	__	__	__
4	Merit-cum-means	__	__	__	__	__

5.1.7　Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?

　　No

5.1.8　What types of support services are available for

✿ overseas students

　Nil

✿ physically challenged / differently abled students :-

Classes are conducted in the ground floor. Differentially abled students are given due consideration during admission.

　　SC/ST, OBC and economically weaker sections:-

Students admitted as per Government rule. Scholarships are provided. Personal guidance provided. Some are exempted from paying development fees. Remedial classes are conducted.

✿ Students to participate in various competition/conferences in India and abroad:-

　　Faculties guide students.

✿ health centre, health insurance etc.

Health camps are arranged.The students have taken the opportunity of checking their health by experienced physicians.

✿ skill development (spoken English, computer literacy, etc.,)

Students are given training by conducting spoken English classes & computer classes..

✿ Performance enhancement for slow learners / students who are at risk of failure and dropouts.

　　Remedial classes are conducted, correctional methods are adopted.

✿ exposure of students to other institutions of higher learning/ corporates/ business houses, etc.

Political Science students are taken to Assembly during budget session. B.Sc. students are taken to Parks/sanctuaries/forests/Science museums for more practical knowledge. The B.Com. students of final semester undertake project work.

✿ publication of student magazines

The college magazine 'Talcher College Mukhapatra', a multilingual is published every year which provides ample opportunity for the students to exhibit their writing skill. The magazine committee motivate the students to contribute articles, reports and drawings to magazine.

5.1.9 Does the College provide guidance / coaching classes for Civil Services, Defense Services, NET/SLET and any other competitive examinations? If yes, what is the outcome?

Books & General Knowledge magazines relating to competitive exams ar are subscribed. Students are guided by the teachers for the examinations. Students are also succeeding in various examinations.

5.1.10. Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as

○ additional academic support, flexibility in examinations
   Attendance is given, practical groups are adjusted. Mid sem exams are adjusted.

☐ special dietary requirements, sports uniform and materials
   On the spot medical facility provided in the case of emergencies

☐ any other
● Medals and Cash prizes are given in the Annual function
● Students representing the college in State and National meet s are honoured.
● Annual athletic meet is conducted
● Students are deputed to various meets
● Cost of medical services of injured students is met by the college.

5.1.11. Does the College have an institutionalized mechanism for placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

Yes

The college has a Career Counseling Cell which provides information regarding employment opportunities and link between college administration, students and companies. The cell prepares students by conducting different meetings, trainings etc. which helps the students by improving their skills for getting seats for higher studies & jobs.

5.1.12. Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).

Company & Year	No. Participated	No. Selected
Vedanta Aluminium Ltd (2011)	12	02
Vedanta Aluminium Ltd (2013)	08	01

5.1.13. Does the College have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?

Yes

The College has a Alumni Association .It holds meeting once in a year to discuss the problems and prospects of the college & offers financial, mental & physical assistance. It suggests new courses to be opened for the students and provides moral and financial support in case of necessity.

5.1.14 Does the College have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.

Yes

The college has a Grievances Redressal cell to address the problems of the students. A committee consisting of Principal as the Chairman and some faculty as its members meets twice in a year.. Four Suggestion boxes have been placed at different spots. They are opened once in every month. Students have been advised to write their grievances and insert in these boxes. Corrective measures are taken and suggestions given by the students are also considered. Grievances generally reported are related to: the time table, students common room, space, activities and intruders.

A few grievances and action taken are listed below:

Complaints	Redressed
Secututy at the college Gate	Provided
Appeal for change of Uniform for students	To be decided in the next session
Dust bin in the College	Provided

5.1.15 Does the College have a cell and mechanism to resolve issues of sexual harassment?

Yes, The Lady members of the staff, who are the members of the cell, will solve the problems, if any, and will intimate to the Principal. So far no such cases have been reported.

5.1.16 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?

The discipline committee along with some senior members as assigned by the principal move around the college campus for discipline and smooth conduct of classes. Students do not get any chance for such activities in the campus. So for not a single instance has been reported to the committee. The College has ensured Zero tolerance to ragging activities, including in the hostels.

5.1.17. How does the College elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co - curricular activities, research, community orientation, etc.?

The faculty being the members of various units and cells in the college including NCC and NSS impress the students to be more social responsible, punctual,honest and patriotic citizens of India. The parents are informed about the progress of their Wards including academic behaviour and achievement. Members of the alumni association extend their co- operation and support towards all the activities of the college and provide constructive feedback for its development.

5.1.18. What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?

Through NCC / NSS and Red ribbon Club, students are motivated to participate in extracurricular activities like sports, cultural events. Special classes

are conducted for the students who have missed the classes to attend sports and other extracurricular activities. The students who have missed the internal assessment tests are given extra tests. Medals, cash prizes and certificates of merit are given to outstanding achievers.

5.1.19. How does the College ensure participation of women in 'intra' and 'inter' institutional sports competitions and cultural activities? Provides details of sports and cultural activities in which such efforts were made?

Members of the cultural committee motivate the students to participate in Intra and Inter Institutional /University sports and cultural activities. The College organizes inter institution Ball Badminton, Volley Ball, Kabaddi ,Javelin throw etc during its Athletic meet and encourages women students.

5.2 Student Progression

5.2.1 Provide details of programme-wise success rate of the College for the last four years. How does the College compare itself with the performance of other autonomous Colleges / universities (if available)

Sl No	Course	2011-12		2012-13	
		Talcher	Angul	Talcher	Angul
1	BA	95	95.6	96	88.8
2	BSc	78	97.19	91	93
3	Bcom	100	94.39	86	86.66
Sl No	Course	2013-14		2014-15	
		Talcher	Angul	Talcher	Angul
1	BA	93	85.92	96	84.46
2	BSc	71	92.36	91	95.27
3	Bcom	92	86.77	86	86.11
	PG				98.21

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

Student progression	in %
UG to PG	30
PG to M.Phil.	--
PG to Ph.D.	--

Employed
   ● Campus selection
   ● Other than campus recruitment
	02

5.2.3. What is the Programme-wise completion rate/dropout rate within the time span as stipulated by the College/University?

Sl No	Programme	Drop out rate in %	
		2010-13	2011-14
1	BA	1.13	0.04
2	BSc	1.04	0.03
3	BCom	0.9	0.02

5.2.4. What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.

UGC NET/GATE Qualified   :   05

SLET/OPSC Qualified   :   26

5.2.5. Provide details regarding the number of Ph.D/D.Sc./D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.

Ph.D. Thesis submitted and accepted for the Award

Sl No	Name	Subject	Topic	University	Year
1	S Bebarta	Education	Evaluation of work experience program at the secondary stage at Orissa	Utkal	2010
2	Saroj Rath	Physics	Acoustics of conch shell	Utkal	2011
3	P.M Nanda	Physics	Water Quality assessment in Talcher area	Berhampur	2013
4	Raghunath Rath	Botany	Studies of Rare, Endangered, threatened(RET) wildlife of satkosia	Utkal	2015
5	O.B. Kabikanya	Anthropology	The little traditions of the 'Yogis' in west central Odisha	Utkal	2015

5.3   Student Participation and Activities

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

Sports and games offered:

Outdoor games

1	Athletics	5	KABBADI	9	Badminton
2	Football	6	Basket Ball	10	Hockey
3	Cricket	7	Hand Ball	11	
4	Volley ball	8	KHO-KHO	12	

Indoor Games   Desi games

1	Table Tennis	5	Musical Chair
2	Chess	6	Yoga
3	Badminton	7	Skipping
4	Carom		

The College organises inter class competitions, encourages the students to participate in the inter college competitions, University level competitions and the Athletic Union of the College organises the Annual Athletic meet .

Total Students in the college : 1193

Total No. of Students Participated:

Participation in percentage:

Cultural Activities

The students' Union & the Dramatic society organises Cultural functions regularly. Cultural activities help in developing the overall personality of the students. Cultural programs are presented by the students during the inaugural function of the Students' Union, on Annual Day, valedictory functions.

Cultural & Literary Activities

Sl No	Events	Sl No	Events
1	Memory test & Quiz	6	Rangoli
2	Essay	7	Drawing
3	Debate	8	Vegetable Carving
4	Songs	9	Dance (Solo) - Folk
5	Dance-Classical/western	10	

5.3.2 provide details of the previous four years regarding the achievements of students in co-curricular,extra-curricular activities and cultural activities at different levels: university/state/zonal/national/international, etc.

Students Achievement in Co-curricular Activities:

Students Achievements in NCC:

Year	No. of Cadets attend camps		No. of Cadets Passed		Defence Service	Extra Curricular Activities
	State level	National level	'B' EXAM	'C' EXAM		
2010-11	90 CDTS, CATC	1. 16 CDTS NIC Jai Salami(Rajasthan) 2. 1 CDT Mountaineering 3. 10 CDTS Army attachment camp	28/47	19/32	22 CDTS	1. Motor cycle rally (Rengali Dam) 2. Tree Plantation 3. Blood Donation 4. Campus Cleaning 5. Rally-Carrying social messages
2011-12	90 CDTS, CATC	1. 1CDT TSC (Punjab Regiment) 2. 16 CDTS NIC Maihar(M.P) 3. 1 CDT 0TA (Deradun) 4. 10 CDTS Army Attachment camp 5. 1 CDT Mountaineering	31/50	16/22	11 CDTS	1 Motor cycle rally (Kapilash) 2. Tree Plantation 3. Blood Donation 4. Campus Cleaning 5. Rally-Carrying social messages
2012-13	90 CDTS, CATC	1. 10 CDTS Army Attachment camp 2. 1 CDT Camel safari (Rajasthan)	39/57	13/31	07 CDTS	1 Motor cycle rally (Tikarapada) 2. Tree Plantation

						3. Blood Donation 4. Campus Cleaning 5. Rally-Carrying social messages
2013-14	30 CDTS, CATC	1. 10 CDTS Army Attachment camp	4/7	17/28	05 CDTS	1 Motor cycle rally (Khuludi) 2. Tree Plantation 3. Blood Donation 4. Campus Cleaning 5. Rally-Carrying social messages
2014-15	60 CDTS, CATC	1. 1CDT RDC 2. 4 CDTS Manali Adventure Camp 3. 10 CDTS Army Attachment camp 4. 1 CDT OTA (Kampti, Maharastra)	30/30		2 CDTS	1. Tree Plantation 2. Blood Donation 3. Campus Cleaning 4. Rally-Carrying social messages

5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

College collect feedback from students once in a year.

The suggestions and opinions expressed are conveyed to respective departments for appropriate actions.

Feedback helps in overcoming the lapses found in the services offered to the students.

Feedback on different services is collected at the end of academic year through standard formats. Suggestion boxes have been provided to express their views

5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the College?

Yes

They are used in the changes to be incorporated in the services which are offered.

5.3.5 How does the College involve and encourage students to publish materials like catalogues, wall magazine, College magazine, and other material? List the major publications/ materials brought out by the students during the previous academic session.

The college encourages students to write articles in college annual magazine. Articles are invited from students, edited and scrutinized and later published in the Magazine

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

Yes

The College has a students' Union. Representatives(President, Vice President, Secretary, Asst. Secretary, Class representatives) are elected by the students. Also election for office bearers for different societies are being organized to generate team spirit and independent thinking among the students

Major Activities:
‣ organizes Inaugural & Annual function, various competitions
‣ helps in soliciting the co- operation from fellow students
‣ motivates the students to share their feelings
‣ helps in arranging seminars/conferences
‣ communicates the needs of the students to the college

Funding

Fee for student's Union & different societies are collected during the time of admission.

5.3.7   Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.

IQAC has represtentatives from students' forum.

They serve as members in Cultural and Sports Committees.

They have been accommodated in Magazine, Library, Students' Redressal & Grievances, Placement, Tour, Discipline and Hostel committees.

Suggestions and ideas from students are considered.

The ideas and opinions of the students are given due consideration in academic and administrative bodies.

Extracurricular actvities are organized in consultation with student representatives.

Any additional information regarding Student Support and Progression, which the institution would like to include.

■

CRITERION: VI

CRITERION VI
GOVERNANCE, LEADERSHIP AND MANAGEMENT

Institutional Vision and Leadership

The activities of the college are being monitored by the Governing Body and the Principal. The Governing body of the college conducts meetings to discuss the management of the College and to monitor its activities regularly. The principal appoints internal audit committee to audit the accounts. Also the Principal appoints Discipline committee, Purchase committee, finance committee, academic committee for various purposes. The meetings of the heads of departments, staff council etc, are held regularly to elicit views of the members of staff and to take decisions regarding different matters. A broad perspective plan, academic autonomy and delegation of responsibilities have helped the college in successfully achieving its objectives. Constructive use of stakeholders- feed-back and development initiatives of IQAC have paved the way for continuous improvement

6.1.1.   State the vision and mission of the College.

VISION:-

To provide Quality higher education for fostering humane values, igniting the spirit of enterprise, to strive for excellence in all activities and to imbibe scientific temperament.

MISSION

Talcher College cherishes:-

1.   *To provide higher education at affordable price in competitive global milieu.*

2.   *To undertake research in various fields for raising the standard of living of the people.*

3.   *To strive to raise the capacity of youths for gainful employment.*

4.   *To generate awareness among the people against social evils, diseases and to protect and sustain environment.*

5.   *To provide education on values.*

6.   *To cherish the rich heritage of our composite culture.*

7.   *To encourage all-round development of personality of the students.*

6.1.2   Does the mission statement define the College's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, College's traditions and value orientations, vision for the future, etc.?

Yes,

The mission statement reflects the distinctive characteristics of the college.

- Students are admitted and educated without any discrimination-caste, religion and income

- Co-curricular and extracurricular activities form an integral part of the students progression

- Skills imparted by the college motivates student to become globally competent

6.1.3   How is the leadership involved in

ensuring the organization's management system development,

The management system has been developed along with following lines:

- The Governing Body and Academic Council serve as decision-making bodies at the highest level and provide enlightened leadership.

- The Principal exercises such powers as are necessary to implement the policies and programmes of concerned authorities including the Management and Governing Body.

- Principal reviews the functioning of both the office and the departments keeping in view the goals and objectives of the college.

- The heads of the departments serve as a link between the Principal and the staff. They oversee the fulfilment of departmental goals.

- Decentralization is ensured through delegation of powers and responsibilities down the line.

- The committee system involving several committees provides ample scope for participatory management, implementation and continuous improvement Quality enhancement measures initiated by the IQAC

- Plan proposals are initiated .

- Deliberations of the Planning Committee and Campus Development Committee

- Feedback collected from stakeholders

- Staff enrichment programmes

- Periodic review and revision of curricula-Curricula of under graduate programmes were revised in 2011-12 and 2014-15.
- Implementation of recommendations of different committees.
- Suggestions put forth during the department meetings

❒ interaction with stakeholders

- Feedback on curriculum, teaching and supporting services is obtained from students.
- A suggestion box has been provided for students to contribute their
- ideas/express their views. Staff meetings are convened at the beginning and end of each semester or whenever the need arises. Such meetings serve as a platform to chalk out plan for future academic activities and for evaluation of the past sessions.
- Staff members are free to meet the Principal, Academic Bursar and college administration whenever required.
- IQAC plays an important role in initiating interaction among faculty and supporting staff.
- The Principal interacts with parents at the time of admission or whenever they approach him.
- Mentors and Teachers meet parents during parent-teacher meeting and whenever the need arises and the grievances of parents are heard and addressed.

❒ reinforcing culture of excellence

- Emphasizing faculty enrichment programmes.
- Continuous improvement through stakeholder-feedback and staff appraisal
- Planning and implementation of quality initiatives through IQAC
- Adoption of a blend of teaching - traditional methods combined with ICT enabled method.

❒ identifying needs and championing organizational development (OD)?

- Meetings of the heads of the departments are conducted monthly
- Annual planning exercise undertaken at the departments.
- Progress made by the college is reviewed / discussed at meetings held at different levels.
- Need-based training is provided to enrich the faculty towards capacity building initiatives.

6.1.4   Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.

No

6.1.5   Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?

Statutary Bodies	Periodicity
Governing Body	Last meeting on25-11-2013
Academic Council	Twice in a year
Board of Studies	Once in two year

6.1.6   Does the College promote a culture of participative management? If yes, indicate the levels of participative management.

Yes

Senior teachers are nominated both in statutory and non-statutory bodies and also in various committees.

✪ Due representation is given to women in different committees to enhance capacity building initiatives.

✪ Office bearers of the students' cultural forum meet periodically to discuss their problems.

✪ Participation of Alumni in Boards of studies in many departments is ensured.

✪ Parents are involved in the activities of the college through parent -teacher meetings.

✪ The feedback and the suggestions given by the parents are considered.

✪ Members of the alumni association contribute their ideas towards the overall development of the college.

6.1.7. Give details of the academic and administrative leadership provided by the University to the College?

The university provides academic and administrative leadership to the college through their representatives in statutory and non- statutory bodies in the college.

Governing Body   -   1

Academic Council -   3 Senior Professors from PG Departments

Boards of Studies -   Senior Faculty from PG Departments , Director, College Development Council of Utkal University is permanent Ex-Officio Member of all Committees for Academic and Administrative matters related to Utkal University and UGC.

6.1.8. How does the College groom the leadership at various levels?

The proposals of the college to UGC are channelized through CDC.

✿ University sends committees to the college to review academic progress made by the college/Extension of Autonomy.

✿ Faculty and supporting staff are deputed to workshops conducted to enhance leadership skills.

✿ The committees are constituted with a judicious mix of senior and junior faculty, so that junior faculty are exposed to qualities of leadership.

✿ Students' forums are constituted to nurture leadership qualities

6.1.9. Has the College evolved any strategy for knowledge management? If yes, give details.

Yes

Library and information centre acts as nodal centre for knowledge dissemination and management.

Workshops, seminars and conferences are organized

6.1.10. How are the following values reflected in various functions of the College?

✿ Contributing to national development

Contributes intellectually mature, morally upright and socially responsible youth to the Nation.

✿ Strives to promote social inclusion through efforts designed to mainstream SC/ST/OBC, economically weak and differently -abled students. Efforts in this direction are made by the Remedial coaching/Career Counseling Cell of the college.

✿ MOU with Industries / Laboratories / Institutions are initiated.

✿ Meaningful extension activities are carried to strengthen community development- conducted in backward, rural and tribal areas.

Developing sportsmanship, leadership and cultural ethos through sports, cultural and co-curricular activities.

Socio-economic surveys are carried out and the outcomes are placed before concerned authorities.

✿ Women empowerment programmes, free medical camps and sapling plantation programmes are undertaken.

- Commemorative days such as international women's day, world environmental day and international years of chemistry are celebrated.
- Communal harmony rallies, Ekta Divas and National Integration camps are organized.
- Contributes towards the enhancement of gross enrolment ratio by starting new programmes and obtaining approval for higher intake/ additional section in existing programmes.
- Promotes the participation of students in NCC, NSS, Guides and Youth Red Cross activities to inculcate community service.
- Invites freedom fighters and social activists to infuse spirit of nationalism.

Fostering global competencies among students

- Continuous updating of curricula in keeping with global standards-to meet the competitions.

Inculcating a value system among students

- Imparting moral/ethical education to help students imbibe the timeless values of life such as love, compassion, truth and integrity.
- Lecture programmes on moral/ethical education are conducted regularly to inculcate value system.
- Instilling a spirit of compassion, brotherhood and love by celebrating commemorative days.

Promoting use of technology

- Computer Applications is offered as a compulsory subject in Humanities and Commerce departments
- The College has   36 computers with the latest configuration
- Internet facility with 20 Mbps BSNL broadband line
- Wi-Fi facility is provided
- ICT enabled teaching-learning resources.
- Information is disseminated through the college website

Quest for excellence

Since last accreditation the college is trying tosustain both Excellence and Quality. This has inspired the college to secure Autonomy (2011-17).

- The College involves all stakeholders to promote participative management at all levels

✿ Emphasis is laid on faculty and student enrichment programmes like seminars, conferences and workshops.

✿ Students are also encouraged to participate in such programme both in college and other colleges.

College strives towards continuous improvement by using the feedback of the stakeholder and staff appraisal.

✿ a research journal is published.

✿ outstanding achievements by the students and the faculties are duly recognized and rewarded.

6.1.11 Give details of the UGC autonomous review committee's recommendations and its compliance.

The UGC Autonomous Committee which visited the college on and April 2010 appreciated the efforts made by the college in several areas such as infrastructure development, proposals for introduction of new programmes, examination reforms.

Sl No	Recommendations	Compliance
1	Modern Canteen	Completed
2	ICT to be strengthened	2 smart room, Office computerised

6.2 Strategy Development and Deployment

6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of Policy and Strategy Development

Yes.

The following aspects are considered

✿ Teaching and learning.

✿ Research and development.

✿ Extension Activity.

✿ Human resource planning and development.

✿ Industry interaction.

Teaching - Learning

✿ Creating a conducive ambience for learning

- More emphasis to student centric learning process
- Strengthening ICT enabled teaching
- regular revision of curriculum to make it competitive
- Supplementing classroom learning with field visits, student projects and study tours
- Promoting interdisciplinary and innovative programmes

Research and Development

- Promoting interdisciplinary and collaborative research
- Promote research culture and enhance research output
- Improving the quality of research journal
- Strengthen the research center.
- Motivate the faculty to get recognition as research guides

Extension Activities

- Organizing social awareness programmes.
- Celebrating commemorative days meaningfully.

Organizing camps at tribal and rural areas.

- Socio economic surveys.
- Visit to Schools, orphanages.
- Creating awareness about environment

Man Power Planning and development

- Accurate planning of Human Resource requirement
- Retaining qualified and talented faculty and supporting staff.
- Organizing Faculty Improvement Programmes.
- Importance for staff welfare schemes and satisfaction.
- Maintaining healthy organizational culture.

Industry interaction

- Enhancing Institution Industry interaction.
- Strengthening of Career Counseling Cell
- Nomination of eminent industrialists to statutory bodies.

6.2.2   Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.

The institution adopts a participatory approach towards decision making. It not only provides decentralization but also facilitates effective upward, downward and lateral communication.

6.2.3   Specify how many planned proposals were initiated/implemented, during the last four years. Give details.

Planned proposals (last four years)

Year	Planned Proposals	Status
2011-12	Womens Hostel proposal to Collector (20 lakhs)	Pending
	Building proposal of 24 lakhs to UGC	Received Rs 24Lakhs
	Additional equipment grant of 25lakhs to UGC	Received Rs 22,42,339
2012-13	Building proposal to Collector & DM(75 lakhs)	Under consideration
	Building proposal (worth 20 lakh) to MCL	Under consideration
	Purchase of Books to NTPC	Received 3 lakhs
	Womens Hostel proposal to Mines Dept. (75lakhs)	Pending
	Autonomous proposal of Rs 16lakh	Received Rs 7,50,000
	Additional equipment grant of 25lakhs to UGC	Received Rs 12,50,000
2013-14	12th plan proposal (28.458lakh)	Received Rs 938320
	Rennovation of Building worth 25lakh to MCL	Under consideration
2014-15	12th plan proposal (6.57 crores)	Received Rs 7,11,450
2014-15	Womens Hostel-81lakh Proposal to MCL for	Pending with UGC
	construction of Auditorium (3 crores)	pending

6.2.4   Does the College have a formally stated quality policy? How is it designed,driven, deployed and reviewed?

The college tries for continuous improvement and the concept of "Quality" has been imbibed in the Vision Statement.

The IQAC evolves quality policies on various aspects and which is approved by the Governing Body. The implementations ultimately aim at realizing these objectives for providing quality education. 'No compromise with quality under any circumstances and at any cost' is the hallowed principle of the college.

The following are the quality policies of the college:

I. Curricular Aspects

- The college pursues the policy of designing and offering new, need-based, relevant programmes with an approach to provide theory and practical knowledge/skills in multiple disciplines
- Pursues the policy of revising the curriculum once in three years.

II. Teaching-Learning and Evaluation:

- pursues the policy of student centric approach in teaching.
- To make the learning process interesting and effective, it adopts the policy of ICT enabled teaching.
- Implements the policy of quick and transparent evaluation process
- Follows the policy of recruiting and retaining qualified and competent faculty and supporting staff as per the Govt. guidelines..

III. Research, Consultancy and Extension

- Promotes research in Humanities, Commerce and Science.
- Encourages publication of quality research work
- Provide honorary consultancy services.
- Promotes extension activities in the form of organizing Social awareness programmes through NCC/NSS.

IV. Infrastructure and Learning Resources

- The college adopts conducive environment for creation of infrastructure and learning resources.
- Infrastructure and Learning Resources are added to the existing laboratories.

V. Student Support and Progression

✿ Provides all the necessary support and services for the overall development of students' personality and career

Encourages students to participate in co-curricular and extracurricular activities

✿ Gives attention to students of weaker and disadvantage sections in the Society

VI. Governance, Leadership and Management

✿ Observing the principles of democracy and transparency in providing effective governance and to cherish team spirit

✿ Cost-effectiveness in its programmes and services

✿ Generation of resources from funding agencies

✿ Adopts the policy of both internal and external academic, administrative and financial audits.

VII. Innovation and Best Practices

✿ Introducing innovative programmes on relevant and need based areas.

✿ Adopting exemplary and best practices in the fields of teaching, learning, evaluation, research and extension.

✿ Creating environmental awareness, striving for its protection.

Deployment and Review of Quality Policies

The above policy statements serve as the guiding force behind all the quality initiatives of the college and its departments. Specific goals and objectives are set, towards the realization of these policies. The IQAC ensures that they are well communicated to all the faculty and supporting staff. The accomplished tasks are evaluated annually and the goals and objectives are reviewed and revised periodically.

6.2.5 How does the College 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?

The college has constituted a Grievance Redressal Committee and its composition is as follows:

Grievance Redressal Committee

Sl. No	Name	Position
1	Dr. D.P.Mishra, Reader in History	Convenor
2	Dr. N.C.Pradhan, Lect in History	Member
3	Ms Puspalata Rath, Lect in Phy	Member
4	Capt. S.K.Das, Lect in Com.	Member
5	Dr. S. Bebarta, Lect. In Edu	Member
6	Sri N.K.Mahapatra, Lect in Anth.	Member
7	President, students'union	Member

The grievance redressal committee receives, examines and redresses grievances that are reported.

✿ Aggrieved students may also directly approach the concerned, class representatives, office bearers of the students' Union, heads of the departments, cells and committees or even the Principal if the issues so warrants.

✿ A suggestion box has also been provided for stakeholders to put forth their concerns/ideas.

▸ At the end of each semester, the IQAC tabulates and analyzes the nature of grievances expressed and redressed. This exercise helps the college to feel the pulse of stakeholders and adopt a proactive approach towards the institution.

6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes

Feedback on aspects related to the curriculum, quality of teaching and support services are obtained from students and analyzed. The results obtained are presented in IQAC meetings and forwarded to concerned departments/ committees/units/cells for initiating action wherever necessary. Analysis of students' feedback has helped the college in initiating several improvement measures such as introduction of new electives, planning more number of co-curricular and extracurricular activities,organizing more number of skill and personality-development

programmes,installation of additional drinking water points, expansion of hostel accommodation, provision of photocopying facility, suggestion box and others.

6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?

The affiliating University lends a helping hand in the following ways:

- ✿ Representatives of the University serving on statutory bodies such as Governing Body, Academic Council and Boards of Studies offer suggestions pertaining to the introduction of new programmes participate in the revision of curricula and contribute their ideas.

- ✿ Suggestions towards the improvement of the college are offered by the University Review Committee which visits the college annually.

- ✿ University representatives serve on Admission Committees in PG programsand equivalence committee in UG programs oversee the admission process.Additional seats/sections are sanctioned whenever required based on the recommendations of the Expert Committee of the University.

- ✿ University departments extend co-operation with respect to collaborative projects and the organization of seminars/conferences and workshops.

- ✿ The University invites staff of the college to participate in discussions preceding policy development.

Faculty of the college is nominated as members of BOS by the University/colleges.

- ✿ The College Development Council of the University supports the college in all its developmental initiatives.

6.2.8   Does the affiliating university have a functional College Development Council (CDC)or Board of College and University Development (BCUD)? If yes, In what way College is benefitted.

Yes

The College Development Council of Utkal University helps the college in the following ways:

- ✿ Recommend teachers to UGC faculty development programmes

- ✿ Assist in procuring grants from funding agencies.

- ✿ Forward applications to start new programmes to University

- ✿ Organize periodic workshops and meetings with stakeholders to evolve policies and strategies

✿ Guide during the time of review by the University/UGC/NAAC.

6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized?

The college firmly believes that constructive use of feedback received from all its stakeholders will enhance the development of the college.

Feedback from teaching and non-teaching staff

Teachers express their views and opinions in department council meetings. Both teaching and non teaching staff may express their views during staff council meetings.

Feedback from parents

Feedback is collected from parents during parent-teacher meetings, when they visit the college during admission.

Feedback from Alumni

Alumni provide feedback during alumni association meets, and when they visit the college to informally interact with their teachers.

Feedback is also obtained from alumni who serve on the Boards of Studies of some departments. The feedback so obtained is put to constructive use wherever possible.

6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

Yes.

The college extends autonomy to its departments both in letter and spirit. The following functions are discharged by the departments which reflect on the autonomy.

Curriculum designing

Departments are given academic freedom to design their own curricula. This is done within the broad framework set by UGC and the University. They also have the freedom to propose the introduction of new programmes.

Accountability

The Curricula designed and new programmes proposed, are to be approved and ratified by the Academic Council.

Teaching-Learning and Evaluation

✿ Departments have the freedom to use different methodologies to fulfill their teaching-learning objectives. Student-centric methods such as seminars, assignments and group discussions are used by some Departments while others have incorporated field visits and case studies

✿ Departments are permitted to develop their curriculum based on central framework/Regulations.

Accountability

✿ The teaching-learning process is subjected to both internal and external academic audit.

✿ Suggestions and recommendations of Academic, Administrative Audit Committee are duly implemented.

✿ Feedback on teachers' performance is obtained from the students.Question papers are scrutinized, verified and passed in the meetings of respective Boards of Examinations.

✿ The office of the Controller of Examinations ensures that examinations are conducted as per autonomous regulations.

✿ Examination results are analyzed and problems, if any, are identified and corrective measures are initiated.

Organizing special lectures, seminars, conferences and workshops

Departments shall arrange a minimum of two special lectures in an academic year. They also conduct Seminars/Conferences/Workshops and field trips.

Accountability

✿ The departments are accountable with respect to effective organization of events and financial matters.

Annual Plans

An annual planning is undertaken by every department. This provides them withan opportunity to identify developmental needs such as infrastructural requirements, new books and journals, equipment and teaching-learning resources and propose the same to the Planning Committee. This committee in return refers the same to Finance Committee. The decisions and recommendations are placed in IQAC and later to be ratified by the Governing Body.

Accountability

Annual plans of all the departments are reviewed by the IQAC, Finance Committee and the Governing Body.

6.2.11 Does the College conduct performance auditing of its various departments? Yes.

Internal and External academic performance audits are carried out.

Internal Audit

Internal audit is carried out by the Internal Academic Audit Committee constituted by the Principal in consultation with the Management. Parameters which are considered: learning resources, infrastructure, teaching plan and its implementation, courses proposed to be introduced in future, innovations in curriculum design, quality of teaching-learning and measures.

External Audit

External audit is carried out by the University

6.3 Faculty Empowerment Strategies

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

Both faculty and supporting staff are encouraged to participate in seminars, conferences, workshops, refresher and orientation programmes. They are encouraged to pursue higher qualifications.

✿ Faculty are encouraged to participate in refreshers courses and orientation programmes organized by the UGC-Academic Staff College.

✿ Complete co-operation is extended to faculty who desire to pursue Doctoral studies either on their own or under UGC-FIP/fellowship from national research institutes.

✿ Staff enrichment programmes focusing on topics such as preparation of research project proposals, ICT enabled teaching; teachers' performance appraisal and accountability etc. was organized in 2014.

✿ Staff enrichment programmes in the form of seminars, conferences, workshops and training programmes are organized periodically for both teaching and non teaching staff.

✿ Faculties are encouraged to participate in enrichment programmes of other institutions.

✿ Financial assistance is extended to faculty who present papers in state/national/international seminars and conferences.

Faculties are motivated to take up minor and major research projects and publish papers in peer-reviewed journals having high impact factor.

✿ The college publishes a research Journal to encourage the faculty and research Scholars.

Staff Enrichment Programmes Organized in the College

Year	Programme	Participants	Resource person
2012	Teachers performance appraisal	Staff members of College	Prof. P.Das, Dr G.S.Mahapatra, Dr D.P.Mishra, Talcher College
2013	Research Methodology	Staff members of College	Prof. Satyaban Jena, Utkal University Prof.K.B.Dash, Utkal University
2014	preparation of research project proposals	Staff members of College	Dr.Y.N.Behera, Dr.P.Sahoo, Talcher College
2015	Statistical Analysis	Staff members of College	Prof. N.K.Choudhury, Prof. S.Mohanty, IGIT, Sarang

6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

The college carries out performance appraisal of its faculty. Annual self evaluation reports of management employees are sent to the Management.

The appraisal reports are used to offer constructive suggestions towards the professional development of the staff.

Performance-appraisal reports have also been useful in identifying training needs and reviewing service conditions. Some of the decisions that have been taken based on performance-appraisal reports are:

- To organize computer training programmes for teaching and non-teaching staff
- To organize workshops on e-governance and cyber system for teaching and non-teaching staff
- To create awareness about research opportunities and funding agencies among teaching staff and motivate them to take up research projects

6.3.3　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 five years?

- Provident Fund to aided staff and Employees Provident benefits to Management staff.

6.3.4　What are the measures taken by the College for attracting and retaining eminent faculty?

Good terms and conditions combined with healthy organizational culture. Faculty-retention measures employed are:

- Conducive academic atmosphere
- Equal treatment of grant-in-aid and management staff in terms of sharing of administrative responsibilities and representation in statutory bodies and committees
- Healthy institutional culture and climate

6.3.5　Has the College conducted a gender audit during the last five years? If yes,mention a few salient findings.

No

6.3.6　Does the College conduct any gender sensitization programs for its staff?

Yes

The college has conducted many gender sensitization programs for its staff

- A program on Legal Awareness by inviting Lokpal
- A program on Domestic Violence/ Gender bias(Advocates from Dhenkanal)
- An awareness program on female foeticide

6.3.7　What is the impact of the University's UGC-Academic Staff College Programmes in enhancing competencies of the College faculty?

Faculty members who have participated in Refresher/orientation programmes conducted by the University UGC-Academic Staff College have been able to perform with enhanced skills and competencies. A number of teachers have availed this benefit over the years and have given a positive feedback

6.4 Financial Management and Resource Mobilization

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

The mechanism evolved and adopted are:

- ✿ Preparation of annual budget four months in advance reviewed by the Finance Committee and approved by the Governing Body

- ✿ The budget reflects fee collected from students, salary grants from Government, grants from funding agencies besides other sources of revenue under receipts side and recurring and non-recurring expenses under expenditure side.

- ✿ The requirements of the departments are submitted by the concerned Heads to the Principal

- ✿ In respect of material costing more than Rs. 5000, quotations are obtained from suppliers.

- ✿ Bills are checked and passed by the accounts section.

- ✿ Payments through cheques /demand drafts.

- ✿ Financial transactions are subjected to internal as well as external audits.

6.4.2   Does the College have a mechanism for internal and external audit? Give details.

Yes.

The financial transactions of the college are subjected to audits by Management and Chartered Accountants. Apart from this, financial transactions of Government funds /UGC assistance are audited by the Charted Accountant/ Local Audit Fund of Govt.

6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous five years.

(in Rs.)

Sl.No	Particulars	2010-11	2011-12	2012-013	2013-14	2014-15
Income						
1	Dev. Head	1355370		2037510	1274490	2087740
2	Subsidiary	1783183		1835327	1727205	1626197
Total income		3138553		3872837	3001695	3713937
Expenditure						
	3105102		3846227	3263735	3710847	

See Annexure

6.4.4   Have the accounts been audited regularly? What are the major audit objections and how are they complied with?

Yes

All accounts of the college are audited regularly and no major audit objections have been raised. Some of the observations made by Audit committee during 2013-14 and Action taken their on is given below.

Audit Objections and Action Taken Report 2013-14

Observations	Action taken
Advance outstanding	Complied
Timely submission of UC	UC submitted, complied

6.4.5 Narrate the efforts taken by the College for resource mobilization.

The college has been able to mobilize resources necessary for implementation of its plans by starting partially aided programmes, securing grants from UGC , MCL Ltd,NTPC,NALCO etc. The college actively explores the opportunities to receive grants, prepares and submits proposals and follows-up on them.

Resources Mobilized (2010-2015)

Sl.No.	Source	Amount spent in Rs				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	UGC	2601876	4996280	2700348	3073651	4399420
2	NTPC			3 lakh		
3	MCL					15 lakh

6.4.6 Is there any provision for the College to maintain the 'corpus fund'? If yes, give details.

No.

6.5 Internal Quality Assurance System

6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.

Yes

The college is subjected to academic audit.

✿ An internal audit is carried out by the Internal Academic Audit Committee. The committee emphasizes on aspects such as working days, workload, timetable and teaching plan, quality of teaching and learning and innovations in curriculum design and transaction.

6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?

The academic and administrative audits that are carried out annually provide an opportunity to identify areas that need to be strengthened. The recommendations of the academic audit carried out in the last four years and the action taken thereof to strengthen teaching, learning and evaluation .

6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Yes.

The IQAC of the college continuously reviews the teaching-learning process. The structure of the IQAC is as follows:

Structure of IQAC

Name	Designation	Position
Dr. G.S.Mahapatra	Principal	Chairperson
Dr.Y.N.Behera	Reader in Bot	Member
Dr. P.K.Rath	Reader in Odia	Member
A.K.Sharma	Reader in Com	Member
Dr.N.C.Pradhan	Lect. In Hist	Member
Smt. Sunita Sahu	Lect. In Eng	Member
Sri B. Pradhan	Sr. Admn. Off	Member
S.S.Pradhan	AGM,(EMG) NTPC/TSTPS	Member
Jadumani Sahu,	Advocate	Member
Dr. Poulasti Sahoo	Reader in Math	Co-ordinator

Methodologies of operation:

- ✿ Feedback from stakeholders on teaching-learning is received.
- ✿ IQAC meeting convened to review the feedback.
- ✿ Review the feasibility-study report of the departments.
- ✿ Action plans are evolved and implemented

Outcome:

As a result of the initiatives undertaken by the IQAC, the learning ability of the students has been enhanced through student- centric learning methods. Practical knowledge of the students has been enhanced due to Internship, Field visits and Project works.

Other noteworthy outcomes are:

- ✿ Choice Based Credit System and Cumulative Assessment and Grading Pattern in UG & PG programmes.
- ✿ Wider choice to students by offering soft-core and elective papers
- ✿ Incorporation of recent developments in the curricula
- ✿ Student- centric approach towards teaching-learning.
- ✿ Increase in research output and publication of research journal.
- ✿ Emphasis on skill development
- ✿ Thrust on ICT - enabled teaching classrooms.

6.5.4   How has IQAC contributed to institutionalizing quality assurance strategies and processes?

The IQAC has contributed towards institutionalizing quality assurance strategies and processes through:

- ✿ Facilitating the creation of a student-centric environment conducive for learning.
- ✿ Introduction of innovative, add-on and interdisciplinary programmes
- ✿ Development of quality benchmarks for academic activities
- ✿ Dissemination of information on the various quality parameters to all concerned and overseeing their application

* Obtaining feedback related to the teaching-learning process from teachers, students, parents and other stakeholders

- ✿ Documenting the activities of the college to ensure quality circles.
- ✿ Organizing and coordinating academic audits
- ✿ Documenting all information by way of preparing AQAR.

6.5.5   Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

Yes

The external members of the IQAC members have contributed significantly in the academic endeavor of the college. The recommendations and the suggestion given by these members are given due consideration in the development of curriculum and quality enhancement.

6.5.6   Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

Yes

The IQAC keeps track of the academic progress of students from disadvantaged sections. As a result of the efforts made by the college to improve their academic performance, their progress has been found to be good as reflected in th results of 2011-14 (undergraduate programmes).

6.5.7 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

The college pursues the policy of conducting internal and external academic audits with a view to periodically review the academic and administrative performance of the departments, administrative sections and research centre.

Apart from the audits, the IQAC analyzes stakeholder feedback and initiates corrective measures, wherever needed.

- ✿ Continuous monitoring and review of all the academic activities is carried by the Academic Bursar Dr. P.K.Rath.
- ✿ Departmental activities are reviewed in Departmental Council Meetings.
- ✿ The progress of the college is reviewed in Staff Council meetings at the beginning and end of each semester.
- ✿ The Research Committee reviews the college's research output and devises strategies to enhance it.

✧ The examination process is reviewed by the Office of the Controller of Examinations.

✧ Examination Committee also suggests on examination reforms.

Any additional information regarding Governance, Leadership and Management, which the institution would like to include.

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CRITERION: VII

CRITERIA VII
INNOVATION AND BEST PRACTICES

Environment Consciousness

Talcher College is situated near the Rani Park on a spacious campus beside NH200. Also it has protected a forest covering more than seven acres of area. Rich with flora & fauna, it provides a serene and a sylvan atmosphere which fosters teaching and learning. To create awareness on Environment among students a paper on Environmental Studies is made mandatory for students of all streams.

7.1.1   Does the College conduct a Green Audit of its campus?
Tree plantation drives are conducted regularly by NCC/NSS volunteers.

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

✿ Energy conservation

To make the campus eco-friendly, students and faculty take adequate measures.

The students are informed to use the fans and lights in class rooms & hostels judiciously

To Replace fluorescent / incandescent lamps by CFL in phases.

To Replace high energy consuming CRT monitors by TFT monitors in stages.

✿ Use of renewable energy

Proposals for solar lightening is initiated

✿ Water harvesting

The drain water pipes are directed towards the open area triangle to use the drained water for plants around that area.

✿ Check dam construction

Nil

✿ Efforts for Carbon neutrality

The NCC/ NSS, Forest Dept. have planted saplings during the last decades. This has reduced CO2 emission.

✿ Plantation

The Dept. of Botany & forest dept. Talcher have been planting saplings. More than 1000 saplings have been planted during the last two years.

✿ Hazardous waste management

The wastes generated from different Laboratories are effectively disposed. The College has a garbage tank also.

✿ e-waste management

To reduce e-waste generation, on line transfer of data which considerably reduces the usage of CD/DVD, Pen drives and other storage devices.

7.2 Innovations

The College has framed a student charter to indicate the responsibility of the College towards its students and to stress on the duties of the students for lifelong learning. It has a healthy practice of encouraging the nonteaching staff to acquire higher education to move upward in their career. The internal quality assurance cell is effectively functioning in the college with the sole aim of continuous improvement of quality, for achieving academic excellence, social justice and administrative reforms.

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

- The college is gradually moving from the traditional chalk-board teaching methodology to the advanced teaching methodologies.

- Teachers are switching over to the LCD Projector teaching methodology.

- The remedial classes for the academically weaker students are conducted.

- The educational/industrial tours are conducted regularly for the personality growth of the students.

- Major automation of the administrative and academic activity is being carried out .

- Project work is compulsory in all courses.

- Continuous evaluation mechanism is designed for overall performance appraisal of the students

- Cultural programmes are conducted to inculcate moral values and strengthen social bondage.

- Community services are undertaken by NCC units.

7.3.1. Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

- Following are some of the best practices that are institutionalized:

- Framing of a student charter

- Emphasis on students' discipline & group assignments.

- Cleanliness of the campus.

- Good academic ambience.

- Good infrastructure.

- Special attention to the weaker students.

- Emphasis on ICT.

- Promotion of basic research at departmental levels.

- Linkages for research work of teachers and project work of students.

- Financial assistance to attend conferences and symposia.

- Emphasis on co-curricular and extra-curricular activities.

- Active support and encouragement by the management to teachers for library purchases.

Best Practice - I

Title of the Practice

Decentralization of the academic administration

Objective of the practice

The role of teachers in the academic and administrative processes needs to be decentralized.

In an autonomous setup the role of individual teacher becomes quite important since each teacher has to assess and evaluate the performance of students in his own subject. Since the evaluation of a student unlike in non-autonomous

programs comprises of continuous internal evaluation in terms of Mid- term test, quiz, assignments, seminars, course projects, case studies, etc. This has led to a better academic appraisal of a student resulting in better performance exhibited in the academic outcome.

The context

The faculty needs to be more mature to handle the academic and administrative responsibility. Each faculty needs to handle sensitive responsibilities like curriculum design, continuous internal evaluation, examination duties etc.

The practice

Institute believes in decentralization of academic responsibilities. As an Autonomous college the faculty of the college will have to actively participate and take responsibilities. Teachers of this college have been assigned a group of 20 students each to encourage and guide them for all-round development.

Evidence of Success

Better Administration at the departmental level resulted in well defined curriculum and quality education . The result percentage increased.

Problems encountered and Resources Required

Project Work - Intensive Internship Training

Title Project work - intensive internship training

Objectives

The objective is to provide an opportunity to both UG & PG students about the developments taking place outside the framework of curriculum. It helps the students to develop research bent of mind and exposes them to various external factors. It provides "on hand training" in the concerned areas. This helps in enhancing the domain of the student trainees after the completion of intensive internship training. The college issues a certificate of appreciation for undergoing this.

Scope

This has vast scope. It provides an opportunity for the students for horizontal and vertical flexibility within the curriculum and outside. The scope of intensive internship training is unlimited. It widens the horizon of the students and help them in bridging the gap between pedagogy and the practical experiences. It also enables

the students to learn more after practically undergoing training intensively in recognized institutions.

Context

Project work is compulsory for BCom, BSc and in PG programmes like MA (Odia). Project work also mean doing preliminary research. At the end of the V semester, the students of UG and at the end of 3rd semesterPG students are assigned project work. This academic work is essential and the outcome of which is submitted as a partial fulfilment for the award of the degree.

Normally project works are assigned to the students in consultation with the heads of the departments who coordinates with other faculties of the department. Topics and areas are identified and assigned to individual students. The names of the candidates along with the titles of the projects are announced. The next step is identifying the industries, the corporate sectors, reputed institutions and laboratories to build link between concerned departments and the institution which have been identified. The students after obtaining required permission from both the sides visit the field. From here the project work is initiated.

Practical training

The departments which have implemented project work component in the programmes believes in adaptation. The curriculum of these departments are revised and restructured once in a year. During such time, feedbacks received from both primary and secondary stakeholders are given due consideration. In curriculum revision the faculties of concerned departments collect the informations on the area which need the project work components.

Evidence of Success

Because of introduction of Project work as mandatory in various UG and PG programmes there has been phenomenal increase in the success rate. The academic enhancement, which is visible, can be pointed out as a major edition. Similarly the amount of exposure that the students get behind their curriculum. On hand training during intensive internship training provides ample opportunities to the students to understand the realities found in the society. The project work component which involves more employability skills help the students to secure jobs. The project work also ensures the skills involved in highly disciplined research activities starting from collection and compilation of data, up to interpretation of

both empirical and secondary sources. All these will divert the attention of the students towards domain of research.

Any additional information regarding Innovations and Best Practices, which the College would like to include.

Some of the other Best Practices are:

Staff are encouraged & involved in the R & D Activities.

Seminars/ Workshops are conducted regularly to encourage & keep updated about the recent developments in the technology

Open Electives across the Departments.

Participation of UG students in project work

Special Classes are conducted for academically weaker students after working hours

Reading Room facility for students and additional books are issued for SC & ST students

As a result of the periodic review and the best practices followed, Autonomous Status was conferred by UGC/Utkal University.

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Evaluation Report Of The Departments

Evaluative Report of Anthropology Department

1. Name of the Department & its year of establishment
    Department of Anthropology, Talcher College
    Date of establishment-1973-74

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) UG - B.A. Hons

3. Interdisciplinary courses and departments involved -ISC in Arts, Science & Commerce.

4. Annual/ semester/choice based credit system:- Semester

5. Participation of the department in the courses offered by other departments.E.S & Env. Edu. By Zool. & Bot., Comp. Appl. By Comp.Sc. Deptt.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Professor	Nil	Nil
Associate Prof.	04	Nil
Assistant Prof	02	04

7.Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialisation	No. of years of experience	No of PhD student guided in the last 4 years
Dr. B.K. Khilar	M.A, PhD	Lect.	Pre-historic Archaeology	27 years	Nil
Sri N.K Mohapatra	M.A,	Lect .	Pre-historic Archaeology	15years	Nil
Sri S.K. Pradhan	M.A	Lect.	Social Anth.	12Yrs.	Nil
Om.B.Kabikanya	M.A, M.Phil.	Lect.	Social Anth	12yrs.	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- Nil

9. Programme-wise Student Teacher Ratio :-1:30

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:- Demonstrator-03,Laboratory Bearer-01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received. Nil

13. Research facility / centre with . NA
    - ❑ State recognition
    - ❑ National recognition
    - ❑ International recognition

14. Publications: 01 Book published in the Yr. of 2013-14 (ISBN)and 02 nos. of books are under process for publication.

15. Details of patents and income generated :-NIL

16. Areas of consultancy and income generated- Nil

17. Faculty recharging strategies: Nil

18. Student projects

S	percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
		100%	100%	100%	100%	100%
	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19.   Awards / recognitions received at the national and international level by

         ❏ Faculty -Nil

         ❏ Doctoral / post doctoral fellows -Nil

         ❏ Students -Nil

20.   Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Workshop was organized by the Deptt.. Which is funded by the U.G.C 2014-15.

21.   Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BA honors (12-13)	19	10	06		
BA honors (13-14)	18	09	07		
BA honors (14-15)	38	25	13	Continuing	

22. Diversity of students : Nil

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries

23.   How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Bank Po -01, Defence - 02.

24. **Student progression**

Student progression	Percentage against
	Enrolled
UG to PG	90 %
PG to M.Phil.PG to Ph.D	
Ph.D. to Post-Doctoral	

Employed
    Campus selection
    Other than campus recruitment
	90%

• Entrepreneurs	

25.Diversity of staff : NA

Percentage of faculty who are graduates
of the same parent university -
from other universities within the State -
from other universities from other States-

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

    01 Awarded and 01 submitted the PhD thesis.

27. Present details about infrastructural facilities

    Library -No of Books-1144

    Internet facilities for staff and students - Yes, available

    Total number of class rooms -Three

    d) Class rooms with ICT facility -No

    e) Students' laboratories - Two

    f) Research laboratories - Nil

28. Number of students of the department getting financial assistance from College;- Nil,

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Nil

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, through feedback from the students.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Excellent

c. Alumni and employers on the programmes and what is the response of the department to the same? They are duly considered and necessary changes effected.

31. List the distinguished alumni of the department (maximum 10).

01. Sri T Bhutia,HOD Anth. Kamakshya Nagar College

02. Dr B.K.Khilar,HOD Anth.Talcher College,Talcher.

03. Sj Dharmrndra Pradhan,Hon'ble Minister of State Petrolium & Natural Gas Govt.of India.

04. Sri N.K.Mohapatra ,Lect.in Anth.

05. Sri S.K.Pradhan,Lect.in Anth.

06. Miss Om B,Kabikanya,Lect.in Anth.

07. Sri Asis Pal.LIC DO.

08. Sri Bijaya Ku.Nath,Area Manager ,Care India

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. Workshop was organized by the Deptt.. Which is funded by the U.G.C 2014-15.

33. List the teaching methods adopted by the faculty for different programmes.
    * Field Study
    * Chak & Talk method.
    * Hand Note

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
    * Though regular students feedback.

35. Highlight the participation of students and faculty in extension activities. Organised the field work Tribal areas in every year.

36.   Give details of "beyond syllabus scholarly activities" of the department.

37.   State whether the programme / department is accredited/ graded by other agencies. Give details. Nil
Reviewed by external Academic Audit committee

38.   Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. Class rooms are required.

Strength
1.   Interdisciplinary approach.
2.   Updated curriculum
3.   Upgraded teaching learning resources.

Weakness -
1.   Lack of research orientation.
2.   Facilities for specialization.
3.   Fluctuation in enrollment..

Opportunities -
1.   Enhansing interdisciplinary approach.
2.   Visiting Historical places of importance.

Challenges -
1.   Create infrastructure facilities for specialization.
2.   Expansion of extension activities.
3.   Increase enrollment

39.   Future plans of the department.

Opening of P.G.

Declaration by the Head of the Institution

I certified that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after interal discussion, and no part thereof has been outsourced.

Iam aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place :   Signature of the Head of the Institution

Date :   With seal

Evaluative Report of Botany Department

1. Name of the Department & its year of establishment
   Department of Botany
   Talcher College, Date of establishment- 01-06-1979

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
   UG- B.Sc. Hons

3. Interdisciplinary courses and departments involved :-Environmental Studies(SC/Arts/Com), Maj Ele-Bot, Minor Elective- BIO,
   Dept involved-Zoology, Phy, Che, Geo, Math

4. Annual/ semester/choice based credit system: - Semester/ Choice based credit system.

5. Participation of the department in the courses offered by other departments :- Minor Elective(BIO), E.S., Env Edu, Major elective-Bot

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Professor	Nil	Nil
Associate Prof.	01	01
Assistant Prof	03	02

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialisation	No. of years of experience	No of PhD student guided in the last 4 years
Dr.Y.N.Behera	M.Sc, M.Phil, PhD	Reader	Biophys-Biochem	33 years	02
R.N. Rath	M.Sc,	Lecturer	Biochem	30 years	Nil
Mrs T.Dash	M.Sc	Lecturer	Industrial Microbiology	1 year	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- 10% in B.Sc

9. Programme-wise Student Teacher Ratio :-
   B.Sc(Hons)-   16:3
   B.Sc(Elective)- 16:3

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:-

Name of the post	Sanctioned	Filled
Demonstrator	02	02
Lab. Attendant	01	01
Lab. Bearer	01	01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
    NIL

13. Research facility / centre with
    ✿ state recognition :-Nil
    ✿ national recognition :-Nil
    ✿ international recognition :-Nil

14..Publications:

Sl No	number of papers published in peer reviewed journals (national / international)	09-10	10-11	11-12	12-13	13-14
1	Monographs	nil	nil	nil	nil	nil
2	Chapter(s) in Books	Nil	Nil	Nil	Nil	nil
3	Editing Books	nil	nil	nil	nil	nil

4	Books with ISBN numbers with details of publishers Journal of Econ. Taxon.Bot, Plant Sc Research	nil	nil	nil	**02** ISSN no-2050-9768, 0972-8546	Nil
5	number listed in International Database	nil	nil	nil	nil	Nil
6	Citation Index - range / average	nil	nil	nil	nil	Nil
7	SNIP/SJR	nil	nil	nil	nil	Nil
8	Impact factor - range / average ❑ h-index	nil	nil	nil	range	Nil

15. Details of patents and income generated :-NIL

16. Areas of consultancy and income generated:- Consultancy is provided on honorary basis .

17. Faculty recharging strategies:-Faculty development programmes,Orientation programmes, refresher courses, Seminar, workshop, field visits, Botanical tours.
During the last two years we have surveyed the flora of two nearby forests.

18. Student projects

Sl. No	percentage of students	2010-11	2011-12	2012-13	2013-14	2014-15
	who have done in-house projects including inter-departmental	100%	100%	100%	100%	100%
	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	Nil	nil

19. Awards / recognitions received at the national and international level by

Faculty	-	Nil
Doctoral / post doctoral fellows	-	Nil
Students	-	Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl No	seminar/ conference	Dates	Source of funding	Participants
1	National Seminar on Organic Farming & Annual conference of Orissa Botanical society	Dec28-29, 2011	UGC	Prof B.C.Tripathy, V.C. Ravenshaw Univ., Prof. R.C.Mohanty Utkal University Prof. N.Behera, Sambalpur Univ
2	State level seminar on Floriculture	07-09-2012	UGC	Dr.Satyendra MIshra, Sambalpur University
3	National seminar on EthnoBotany-medicinal Plants	26-12-2012	UGC	Dr.Bijayalaxmi Dash, Prof N.C Dash, F.M Univ, Baleswar
4	State level seminar on Plant Protection	27-09-2013	UGC	Dr.Mihir Kumar MIshra, OUAT,BBSR
5	State level seminar ons Plant Disease & Biopesticide	24-07-2014	UGC	Dr. P. K. Panigrahi, Plant Protection Officer
6	State level seminar on Micribial Interaction, waste gases treatment	03-02-2015	UGC	Prof,B.BMishra, Head, Microbiology, OUAT,BBSR

21.Student profile course-wise:

Name of the Course refer question no.2	Application Received	Selected Male	Female	Pass percentage Male Female
Bsc honors (11-12)	39	03	08	100
Bsc honors (12-13)	33	04	11	100
Bsc honors (13-14)	57	08	07	Not appeared
Bsc honors (14-15)	52	03	16	Not appeared

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
BSc	15	85	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?
Defence-02,01-Niser-1,IIser-1,Bank PO-2,
Animation Technology London-1.

24. Student progression

Student Progression	Percentage against enrolled
UG to PG	35
PG to M.Phil PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed Campus Selection Other than campus Recruitment Entrepreneurs	30

24. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	25
from other universities within the State	75
from other universities from other States	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil

27. Present details about infrastructural facilities

a) Library:- College Library has 998 books, Seminar library has 210 books

b) Internet facilities for staff and students :- provided at browsing center

c) Total number of class rooms- 20 in the college

d) Class rooms with ICT facility -Yes

e) Students' laboratories -two lab

f) Research laboratories -nil

28. Number of students of the department getting financial assistance from College;

08 No .of SC and 04 No .of ST students are receiving financial assistance from the college.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. -No

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, The department analyses the feedback collected from the students and modify the curriculum according to the ability and the availability of the facilities to the students as per the need .

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

The department review the feedback, advise the faculties to take care of the lapses and clarifying concepts and to make the students understand satisfactorily on the doubts of the subjects.

c. Alumni and employers on the programmes and what is the response of the department to the same?

The dept. also receives support from the alumni in promoting all-round activities of the students & even they never mind to help financially as and when required.

31. List the distinguished alumni of the department (maximum 10).

1. Maitree pradhan- Scientist NISER- presently Researcher in IISER.
2. Abinash Mishra- Animation Technology, London
3. Deepak Pradhan- P.O.Bank of India
4.

32. Give details of student enrichment programmes(special lectures / workshops / seminar) with external experts.

Sl No	Topics	Name	Designation and Address
1	Biomonitoring of Env. In mining activities	Prof. R.C.Mohanty	Prof Emeritus , Utkal University
2	Carbon Sequesterian	Prof. B.C.Tripathy	Vice Chancellor, Ravenshaw University
3	Stress physiology	Prof . P.K.Mahapatra	Prof Emeritus , Sambalpur Univ
4	Micribial activity	Prof. B.B.Mishra	Prof. Microbiology, OUAT, BBSR
5	Organic Farming	Prof. Niranjan Behera	Prof. Life Sc., Sambalpur University
6	Photosynthesis	Prof, P.K.Mohanty	Prof emeritus, JNU, New Delhi
7	Mushroom Culture	Prof.Banchanidhi Mishra	Retd. Prof. Berhampur Univ
8	Botany in relation to Taxonomy	Dr.Akshya Nanda	Retd prof

33. List the teaching methods adopted by the faculty for different programmes.
.Chalk and Talk Method
. PPT presentation
Smart classes
❒ Practical Classes ❒ Charts and models
❒ Visit to Industries/ Research laboratories
❒ Visit to Botanical Garden/ Medicinal Plant Garden & Herbarium/
❒ Field visit ❒ o Botanical tours
❒ Visit to Tissue culture laboratories

34.   How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
   ● Internal assignments
   ● Practical IA
   ● Practical record
   ● Assignments
   ● Preparation of Models and Charts
   ● Review of end semester examination results

35.   Highlight the participation of students and faculty in extension activities.
   ● NSS, NCC
   ● Nature club activities
   ● Compulsory field visit.
   ● Planting tree saplings
   ● Celebration of Environmental day

36.   Give details of "beyond syllabus scholarly activities" of the department.
   ● Afforestation program
   ● Visit to forest research centers
   ● Naming the plants in the campus and outside
   ● Biodiversity program
   ● Documentation of plant diversity on the campus

37.   State whether the programme/ department is accredited/ graded by other agencies. Give details.
   University Academic audit

38.   Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department
   Strength
   1. Good academic record with a number of first class
   2. laboratory with equipments , Herbarium and Botanical garden
   3. Initiating green environment
   4. Up graded teaching-learning resources
   5. Updated curriculum
   6. Interdisciplinary approach

Weakness

1. Decrease in the standard of the new comers
2. Time constraint for project work
3. Facilities for specializations
4. Lack of research orientation
5. Scarce availability of qualified faculty

Opportunities

1. Scope for collaborations with industries and research laboratories
2. Employability in Seed Technology/ Forestry/ Tissue Culture labs
3. Vast scope in Plant Taxonomy and Genetic Engineering, DNA recombinant technology
4. Enhancing interdisciplinary approach
5. Job opportunities in Agriculture, Forestry and Horticulture

Challenges

1. Increase enrollment
2. Enhance Industry institution interaction
3. Create infrastructure facilities for specializations
4. Expansion of extension activities
5. Initiating growth from Lab to land

39.   Future plans of the department.
       To introduce M.Sc in Botany/Biotechnology
             Establishment a research lab & up gradation of Photosynthesis research facilities/Survey of flora/fauna of nearby forests.

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Evaluative Report of Chemistry Department

1.   Name of the Department & its year of establishment
      Department of Chemistry, Talcher College
      Date of establishment-   01-06-1979

2.   Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D.,
      Integrated Masters; Integrated Ph.D., etc.) :UG- B.Sc. Hons

3.   Interdisciplinary courses and departments involved :-Environmental
      Studies(SC), Maj Ele-Chem.
      Dept involved-, Phy, Geo, Math, Bot, Zoo.

4.   Annual/ semester/choice based credit system: - Semester/Choice based
      credit system

5.   Participation of the department in the courses offered by other departments :-
      Environmental Education.

6.   Number of teaching posts sanctioned and filled (Professors/Associate
      Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof./Reader	01	01
Assistant Prof/Lecture	03	03

7.Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./
      Ph.D./M.Phil., etc.)

Name	Qualifi-cation	Design-ation	Speciali-sation	No. of years of experience in the last 4 years	No of PhD student guided
Dr. A.K. Pradhan	M.Sc, Ph.D	Reader	Physical	34 years	Nil

Smt. J. Panigrahi	M.Sc,	Lect	Physical	31 years	Nil
C. Sahu	M.Sc	Lect	Inorganic	26 years	Nil
Smt. I. Dash	M.Sc	Lect	Inorganic	22 years	Nil
Smt. L. Sarangi	M.Sc	Lect	Analytical	04 years	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- Nil

9. Programme-wise Student Teacher Ratio :-
    B.Sc(Hons) - 32:1
    B.Sc(Elct) - 30:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:-

Name of the post	Sanctioned	Filled
Demonstrator	03	03
Store keeper	01	01
Lab. bearer	02	02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. One M.R.P submitted to UGC by Smt. J. Panigrahi

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received :- NIL

13. Research facility / centre with
    o state recognition :- Nil
    o national recognition :- Nil
    o international recognition :- Nil

14.   Publications:

Sl. No.		09-10	10-11	11-12	12-13	13-14
1	Number of papers published in peer reviewed journals (national / international)					
2	Monographs					
3	Chapter(s) in Books					
4	Editing Books					
5	Books with ISBN numbers with details of publishers					
6	number listed in International Database					
7	Citation Index - range / average					
8	SNIP/SJR					
9	Impact factor - range / average ? h-index					

15.   Details of patents and income generated :-NIL

16.   Areas of consultancy and income generated:- Nil

17.   Faculty recharging strategies:- Faculty development programmes through Orientation programmes , refresher courses ,Seminars.

18.   Student projects

01	percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
		100%	100%	100%	100%	100%
02	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19. Awards / recognitions received at the national and international level by
    - Faculty -Nil
    - Doctoral / post doctoral fellows -02(Ph.D)
    - Students -Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected Male	Female	Pass percentage Male	Female
Bsc honors (11-12)	50	08	24	100	
Bsc honors (12-13)	55	14	18	100	
Bsc honors (13-14)	70	28	16	continuing	
Bsc honors (14-15)	80	31	26	continuing	

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc(Hons)-(11-12)	30	70	NIL	NIL
12-13	20	80	NIL	NIL
13-14	10	90	NIL	NIL
14-15	15	85	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NET - 01

24.   Student progression

Student progression	Percentage against enrolled
UG to PG	40
PG to M.Phil.	
PG to Ph.D.	
PhD. to Post-Doctoral	
Employed ■ Campus selection ■ Other than campus	
● recruitment Entrepreneurs	

25.   Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	81%
from other universities within the State	Nil
from other universities from other States	Nil

26.   Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.-: Nil (One faculty is continuing Ph.D)

27.   Present details about infrastructural facilities

a) Library

Seminar library- 350 books

General library- 1205 books

b) Internet facilities for staff and students Yes

c) Total number of class rooms -2 laboratories, One store room & theory class room as per requirements.

d) Class rooms with ICT facility - Nil

e) Students' laboratories -2

f) Research laboratories - Nil

28. Number of students of the department getting financial assistance from College;- Nil

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

30. Does the department obtain feedback from
    a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? **Yes**
       (i) The department analyses the feedback collected from the students and modify the curriculum according to the ability and the availability of the facilities to the students as per the need .(ii)Pursuing Refresher & Orientations for teaching & learning by the faculty members.
    b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
       (i) The department review the feedback, advise the faculties to take care of the lapses and clarifying concepts and to make the students understand satisfactorily on the doubts of the subjects.(ii) Undergoing Refresher & Orientations for teaching & learning by the Students too
    c. Alumni and employers on the programmes and what is the response of the department to the same? Yes.
       The dept. receives support from the alumni in promoting all-round activities of the students.

31. List the distinguished alumni of the department (maximum 10).
    1. Hrusikesh Sahu, Continuing Ph.D
    2. Lopamudra Satapathy, Continuing Ph.D

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Sl No	Topics	Name	Designation and Address
1	Industrial Waste Management	Dr. S. Panda	Prof. Berhampur University
2	Thermosetting Plastics	Dr. B. K. Garnaik	Prof. Berhampur University

33. List the teaching methods adopted by the faculty for different programmes.
    - .Chalk and Talk Method
    - . PPT presentation
    - Smart classes
    - Practical Classes
    - Charts and models
    - Industrial Visits/ Research laboratories

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
    - Internal assignments
    - Practical IA
    - Practical record
    - Assignments
    - Project
    - Review of end semester examination results

35. Highlight the participation of students and faculty in extension activities.
    - NSS, NCC

36. Give details of "beyond syllabus scholarly activities" of the department.
    ‣ Industrial Tour

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
    Reviewed by external/internal Academic Audit committee

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength
1. Well equipped laboratory,
2. Qualified Faculties
3. Trained Support Staff
4. Adequate Seminar Books

Weakness

1. Fluctuation in enrollment
2. Industry institution linkage
3. Facilities for specializations
4. Lack of research facilities
5. Scarce availability of funds for study abrode

Opportunities

1. Scope for collaborations with industries and research laboratories
2. Enhancing interdisciplinary approach
3. Job opportunities in Industries & mines through on campus selection

Challenges

1. Increase enrollment
2. Enhance Industry institution interaction
3. Create infrastructure facilities for specializations
4. Expansion of extension activities.

39. Future plans of the department:- **To introduce M.Sc in Chemistry**

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages.

Evaluative Report of Commerce Department

1. Name of the Department & its year of establishment : DEPARTMENT OF COMMERCE ,1987

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : Under Graduate (Hons)

3. Interdisciplinary courses and departments involved:- History,English Economics & Computer Science.

4. Annual/ semester/choice based credit system:-Semister

5. Participation of the department in the courses offered by other departments :- Nil

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	02	01
Asst.Professor	01	01

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialisation	No of Year of experience	No of Ph.D Students guided in the last four year
Sri A.K Sharma	M.COM, LLB	Reader	commerce	32 year	Nil
Sri S.K Das	M.COM, M.Phil	Lect.	commerce	25 year	Nil
Miss B.Khuntia	M.COM	Lect.	commerce	03 year	Nil

8.   Percentage of classes taken by temporary faculty - programme-wise information:- 30%

9.   Programme-wise Student Teacher Ratio :-1:3

10.   Number of academic support staff (technical) and administrative staff: sanctioned and filled:- Nil

11.   Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12.   Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received. Nil

13.   Research facility / centre with . Nil
      ✿ state recognition
      ✿ national recognition
      ✿ international recognition

14.   Publications: Nil

15.   Details of patents and income generated :-NIL

16.   Areas of consultancy and income generated:- Nil

17.   Faculty recharging strategies: Nil

18.   Student projects

      *Percentage of student who have done in -house project including inter-departmental : 100%

      *Percentage of student doing project in collaboration with industries/institutes: NIL

19.   Awards / recognitions received at the national and international level by
      ● Faculty -Nil
      ● Doctoral / post doctoral fellows -Nil
      ● Students -Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. : Seminar -FEB 2015

21. Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected Male	Female	Pass percentage Male	Female
BCOM(Hons) 2010-11		11	12	13	11
2011-12		29	20	23	15
2012-13		37	16		

22. Diversity of students

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
B Com Hons. 2012-13	26 %	74 %	Nil	Nil
2013-14	22%	78%	Nil	Nil
2014-15	38%	69%	Nil	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Nil

24. Student progression

Student progression	Percentage against enrolled
UG to PG	10%
PG to M.Phil	NA
PG to Ph.D	NA
Ph.D to Post-Doctoral	NA
Employed	NIL
*Campus selection	NIL
*Other than campus recruitment	
Entrepreneurs	55%

25. Diversity of staff

Percentage of faculty who are graduates	
Of same parent university	02
From other university within the state	01
From other universities from other states	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil

27. Present details about infrastructural facilities

a) Library - No of books-1289 & Seminar Library-187

b) Internet facilities for staff and students - Yes

c) Total number of class rooms -20

d) Class rooms with ICT facility-02

e) Students' laboratories -NIL

f) Research laboratories -NIL

28. Number of students of the department getting financial assistance from College; Nil

29. Was any need assessment exercise undertaken before the development of new program(s)?If so, give the methodology. -NIL

30. Does the department obtain feedback from
a) faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize it? As per university rule only 20% course is changed.
b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
Yes, department tries to implement the suggestion as far as possible.
c) Alumni and employers on the program and what is the response of the department to the same?

31. List the distinguished alumni of the department (maximum 10).
i) Sri Ashis Ku. Goel ,C.A
ii) Miss Mamata Modi,C.A.
iii) Sri Jugal Parida,C.A.

iv) Sri Prasant Moharana, I.C.W.A.

v) Sri Atmaram Das ,I.C.W.A.

vi) Sri Niladri Pattanayak I.C.W.A.

32. Give details of student enrichment programs (special lectures / workshops / seminar) with external experts. Seminars are organized with experts from outside.

33. List the teaching methods adopted by the faculty for different programmes.
* Chalk and Talk Method
* Lecture
* Hand notes

34. How does the department ensure that program objectives are constantly met and learning outcomes monitored?

From the employability of students. Alumni are well sttled in various fieds.

35. Highlight the participation of students and faculty in extension activities.
o NSS, NCC
o Nature club activities
o Planting tree saplings
o Celebration of Environmental day

36. Give details of "beyond syllabus scholarly activities" of the department.   Nil

37. State whether the programme/ department is accredited/ graded by other agencies. Give details. No

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
S : Experinced and sincere faculty, Library ,Seminars,Departmental library
W : unavailability of teaching faculty,link with industry ,
O : employability prospect ,surrounded by industrial area,demand for commerce opportunity
C : professional courses offered by private institutes,

39. Future plans of the department.opening of coaching facility for courses like C.A.,I.C.W.A.,Training facility for Accounting software.

Evaluative Report of Computer Science Department

1. Name of the Department & its year of establishment
   Department of Computer Science
   Talcher College, Date of establishment- 2007

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   UG

3. Interdisciplinary courses and departments involved :- Information Technology & Computer Application by Comp.Sc Dept

4. Annual/ semester/choice based credit system: - Semester/ Choice based credit system.

5. Participation of the department in the courses offered by other departments :- Compulsory IT in UG (SC) and CA in UG(Arts/Comm)

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof.	Nil	Nil
Assistant Prof	01	01

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Sri B.P Panda	B.Tech	Lecturer	Information Technology	05	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- Nil

9. Programme-wise Student Teacher Ratio :-Sc- 128:1,Arts-15:1,Comm- 50:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:-

Name of the post	Sanctioned	Filled
Demonstrator	01	01
Lab. Attendant	Nil	Nil
Lab. bearer	Nil	Nil

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

    Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received-
    NIL

13. Research facility / centre with
    ● state recognition :-Nil
    ● national recognition :-Nil
    ● international recognition :-Nil

14. Publications:

Sl No	number of papers published in peer reviewed journals (national / international)	09-10	10-11	11-12	12-13	13-14
	Monographs	nil	nil	nil	nil	nil
	Chapter(s) in Books	nil	nil	nil	nil	nil
	Editing Books	nil	nil	nil	nil	nil
	Books with ISBN numbers with details of publishers	nil	nil	nil	nil	nil
	number listed in International Database	nil	nil	nil	nil	nil
	Citation Index - range / average	nil	nil	nil	nil	nil
	SNIP/SJR	nil	nil	nil	nil	nil
	Impact factor - range / average ? h-index	nil	nil	nil	nil	nil

15.   Details of patents and income generated :-NIL

16.   Areas of consultancy and income generated:- Consultancy is provided on honorary basis .

17.   Faculty recharging strategies:-Nil

18.   Student projects

S	percentage of students who have done in-house	2010-11	2011-12	2012-13	2013-14	2014-15
	projects including inter-departmental	nil	nil	nil	nil	nil
	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19.   Awards / recognitions received at the national and international level by

- Faculty -Nil
- Doctoral / post doctoral fellows -Nil
- Students -Nil

20.   Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil

21.   Student profile course-wise:

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries

Students are admitted through SAMS in BA/BSC/BCOMM

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students other countries
BA/BSC/BCOM	15	85	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?
    NIL

24. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	
Ph.D. to Post-Doctoral	Nil
Employed • Campus selection • Other than campus	Nil
Recruitment Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	Nil
from other universities within the State	100%
from other universities from other States	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. -Nil

27. Present details about infrastructural facilities
   a) Library -College Library
   b) Internet facilities for staff and students -Yes
   c) Total number of class rooms -21
   d) Class rooms with ICT facility -01
   e) Students' laboratories -01
   f) Research laboratories -Nil

28. Number of students of the department getting financial assistance from College-Nil

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology-N.A.

30. Does the department obtain feedback from
   a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

      Yes, The department analyses the feedback collected from the students .

   b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?-Nil

   c. Alumni and employers on the programmes and what is the response of the department to the same-Nil

31. List the distinguished alumni of the department (maximum 10).
   N.A.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.-N.A

33. List the teaching methods adopted by the faculty for different programmes.
   .Chalk and Talk Method
   . PPT presentation
     Smart classes
   • Practical Classes

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
   - Internal assignments
   - Practical IA
   - Practical record

35. Highlight the participation of students and faculty in extension activities.
   Student & faculty participate in various extension programmes organized by other departments & college.

36. Give details of "beyond syllabus scholarly activities" of the department.
   Nil

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
   Nil

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Weakness
   1.No Hons. teaching facility

Opportunities
   1. Scope for employment

Challenges
   3. Create infrastructure facilities for specializations

35. Future plans of the department.
    To introduce B.Sc Hons in Comp.Sc

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages.

Evaluative Report of Economics Department

1. Name of the Department & its year of establishment
    Department of Economics
    Talcher College, Date of establishment-1972-73

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) UG - B.A. Hons

3. Interdisciplinary courses and departments involved -Commerce, Population studies.

4. Annual/ semester/choice based credit system:- Semester

5. Participation of the department in the courses offered by other departments. Business Economics commerce.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof.	Nil	Nil
Assistant Prof	06	03

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Tripurari Nath	M.A, M.Phil,	Lect.	Math, Economics	30 years	Nil
Smt. Basanti Baliarsingh	M.A, BEd.	Lect	Monetry, Economics	25 years	Nil
Smt. Gitarani Satpathy	M.A, M.Phil	Lect.	Math, Economics	25Yrs.	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- Nil

9. Programme-wise Student Teacher Ratio :-BA.Hons -16:3, B.A, E1 - 16:3

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:- Nil

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received. Nil

13. Research facility / centre with . Nil
   - state recognition
   - national recognition
   - international recognition

14. Publications: Nil

15. Details of patents and income generated :-NIL

16. Areas of consultancy and income generated- Consultancy is provided on honorary basis. Nil

17. Faculty recharging strategies: Refresher Courses, Participation in Seminars.

18. Student projects

	2010-11	2011-12	2012-13	2013-14	2014-15
percentage of students who have done in-house projects including inter-departmental	100%	100%	100%	100%	100%
percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19. Awards / recognitions received at the national and international level by
   ❏ Faculty -Nil
   ❏ Doctoral / post doctoral fellows -Nil
   ❏ Students -Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

21. Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BA honours(10-11)		---	04	100%	
BA honours (11-12)		02	05	100%	100 %
BA honours (12-13)		05	01	100%	100 %
BA honours (13-14)		07	05	100%	100%
BA honours (14-15)		03	09	66 %	100%

22. Diversity of students : Nil

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
B.A	30%			

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Bank Po -01, Defence - Nil

24.Student progression

Student progression	Percentage against enrolled
UG to PG	20 %
PG to M.Phil.PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed Campus selection Other than campus recruitment	30%
• Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates		
of the same parent university	-	03
from other universities within the State	-	Nil
from other universities from other States	-	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil

27. Present details about infrastructural facilities

   a) Library -No of Books-2287

   b) Internet facilities for staff and students - Yes

   c) Total number of class rooms -01

   d) Class rooms with ICT facility

   e) Students' laboratories

   f) Research laboratories

28. Number of students of the department getting financial assistance from College; 03

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. No

30. Does the department obtain feedback from

   a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
   Yes and analysed.

   b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? The faculty members were advised to clarify the concept and doubts of the students.

   c. Alumni and employers on the programmes and what is the response of the department to the same? Alumni are contacted

31.   List the distinguished alumni of the department (maximum 10).

    Mr. Antaryami Acharya (1974 - 75) DGM (Finance) NALCO

    Mr. Mahendra Ku. Mishra (1978-82) Superintendent central Excise & Customs, Mumbai

    Mrs Nirupama Satpathy (1978-82), N.G.O Activist, Keonjhar

    Mr. Chhayakanta Biswal (1991-94) Dy. Manager (Finance) GRIDCO, BBSR

    Ms. Balbir Kaur (1998-2001) Air Hostess, Air India

    Mr. Subrat dehury (2005-08) Sr. Executive, Flipkart, Bangalore

32.   Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. Seminars are organized.

33.   List the teaching methods adopted by the faculty for different programmes. Chalk & Talk method, Interaction Method.

34.   How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

    *Internal Assignments, Review of sem. Results

35.   Highlight the participation of students and faculty in extension activities. NCC, NSS, Red Cross

36.   Give details of "beyond syllabus scholarly activities" of the department. Visit to industrial places

37.   State whether the programme / department is accredited/ graded by other agencies. Give details.

    Reviewed by External Academic Audit committee

38.   Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength

    1. Interdisciplinary approach.

    2. Updated curriculum

    3. Updated teaching research.

Weakness -

    1. Lack of research activities

Opportunities -

    1. Enhancing interdisciplinary approach.

Challenges -

    1. To create infrastructure and expansion of extension activities.

39.   Future plans of the department.

       To introduce Post Graduation in Economics, More focus value based Education & personality development.

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages

Declaration by the Head of the Institution

    I certified that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

    This SSR is prepared by the institution after interal discussion, and no part thereof has been outsourced.

    Iam aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place :   Signature of the Head of the Institution

Date :   With seal

Evaluative Reports of Education Department

1. Name of the Department & its year of establishment:
   Department of Education, Estd.1996

2. Name of the Programmes/Courses offered(UG,PG,
   M.Phil,Ph.D,IntegratedMasters:IntegratedPh.D,etc) UG Education (Hons)
   Education
   (Elective)

3. Interdisciplinary courses and departments involved: Computer Science
   Department.

4. Annual/Semester/ choice based credit systemSemester, CBC system.

5. Participation of the department in the courses offered by other departments:
   Nil

6. Number of teaching posts sanctioned and filled (Professors/Associate
   Professors/Asst.Professors)

Name of the Post	Sanctioned	Filled
Professor	Nil	Nil
Associate Professors	Nil	Nil
Asst.Professors	01	01

7. Faculty profile with Name, qualification,designation,specialisation (D.Sc/
   D.Litt/Ph.D/M.Phil.,etc)

Name	Qualifi-cation	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Dr.S.Bebarta	M.A.M.Ed. Ph.D	Lecturer	Vocationalisation of Education	19	Nil
N.Panda	M.A	Lecturer		04	Nil
N.Biswal	M.A.B.Ed	Lecturer		01	Nil

8.   Percentage of classes taken by temporary
       faculty-programme wise information: 20%

9.   Programme-wise Student Teacher Ratio Hons-16:01

                                                    Elective-16:01

10.   Number of academic support staff (technical)
       and administrative staff: sanctioned and filled: Nil

11.   Number of faculty with ongoing projects from
       a)national b) international funding agencies and
       c) Total grants received. Mention names of funding agencies and grants
       receives project-wise.   Not Applicable

12.   Departmental projects funded by DST-FIST;DBT,ICSSR,etc.;
       total grants received. Not Applicable

13.   Research facility/centre with
    * State organisation
    * National recognition
    * International recognition

14.   Publications:NIL
    * Number of papers published in peer reviewed journals (national/international)
    * Monographs
    * Chapter(s) in Books
    * Editing Books
    * Books with ISBN numbers with details of publishers
    * Number listed in International Database (For e.g. Web of Science, Scopus,
       Humanities, International Complete, Dare Database- International Social
       Sciences Directory.
     EBSCO   host,Etc.)
    * Citation Index - range/average.
    * SNIP
    * SJR
    * Impact factor-range/average
    * H-index

15.   Details of parents and income generated   N.A

16.   Area of consultancy and income generated N.A

17.   Faculty recharging strategies

18.   Student Projects
   * Percentage of students who have done in-house projects including inter-departmental. 100%.
   * Percentage of students doing projects in collaboration with industries/ institutes. NIL

19.   Awards / recognitions received at the national and international level by
   * Faculty   NIL
   * Doctoral / Post doctoral Fellows   NIL
   * Students   NIL

20.   Seminars / Conferences / Workshops organised and the source of funding (National / International)
   with details of outstanding participants, if any.
              UGC funding Extension activities,
   AIDS Awareness and Campus   cleaning programme

21. Student Profile Course Wise

Name of the course (refer question no.2)	Applications received	Selected Male Female	Pass percentage Male Female
Education Hons. 2012-13		03 06	90%
2013-14			
2014-15			

22. Diversity of Students

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country

23. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE, and any other competitive examinations?

The first batch students of this department passed out in this session 2015.

24. Student Progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil	
PG to Ph.D	
Ph.D to Post-Doctoral	
Employed • Campus Selection • Other than campus recruitment	
Entrepreneurs	

25. Diversity of Staff

Percentage of Faculties who are Graduates	
Of the parent University	
From other Universities within the State	02
From other universities from other State	

26. Number of faculty who are awarded Ph.D., D.Sc and D.Litt. during the assessment period.   01

27. Present detail about the infrastructural facilities.

a). Library -   No of books-594

b). Internet facility for Staffs and students   Yes

c). Total number of Class rooms   26

d). Class rooms with ICT facility   No

e). Student Laboratories   Yes

f). Research Laboratories   NA

28. Number of students of the department getting financial assistance from College.   NIL

29.   Was any need assessment exercise undertaken before the development of new programme(s) ?
      If so, give the methodology.

30.   Does the department obtain feedback from

      a. Faculty on curriculum as well as teaching-learning-evaluation ? If yes ,how does the department   utilise it?

      b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

      c. Alumni and employees on the programmes and what is the response of the department to the same ?

31.   List the distinguished alumni of the department
      (Maximum Ten)
      The first batch of students Passed out in this academic year 2015

32.   Give students enrichment programmes (Special Lectures/ Workshops/Seminar) with external experts.

                          a) Dr.SwachhaSalilaMohapatra, Lecturer in Education had delivered special lecture on topic 'Psychological Maxims of Teaching ' in the session 2014.

                          b).Dr.Sabitanjali Nanda Lecture in Education AngulMahilaMahavidyalaya had delivered special lecture on topic ' Herbertian Steps of Teaching Method' in the session 2014.

33.   List the teaching methods adopted by the faculty for different programmes.
      a) Lecture Method.
      b) Narration-cum-discussion Method.
      c) Demonstration Method.
      d) Question and Answer Method.

34.   How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
      The Department of Education organised students seminar as a part of practical course, project work, Field study and practice teaching in other institutions to ensure the learning outcomes.

35. Highlight the participation of students and faculty in extension activities.

   i) NCC

   ii) NSS (Participated as a volunteer in PuriJagarnnath Car Festival, Plantation

   iii) Both the students and faculty participated and donated blood in Blood Donation Camp being organised by the College on

   iv) Dr, SanjuktaBebarta HOD Department of Education. participated in the workshop "CAPACITY BUILDING OF WOMEN MANAGERS IN HIGHER EDUCATION" sponsored by University Grants Commission from 24th to 28th April,2013 organised by Vivekanand College, Kolkatta.

The students and staffs of the Department of Education organised a n AIDS awareness and cleaning the campus programme as an extension activities at village-DharampurDist-Angul on 15th of January,2015.

36. Give details of "Beyond syllabus scholarly activities" of the department.
   - The students and faculty of the department are participating in seminars, workshops, organised by other departments of College.

37. State whether the programme / department is accredited / graded by other agencies. Give details.   No

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (EWOC) of the Department.

Strength
   - Good Teaching Faculty
   - Sound Syllabus
   - Effective Teaching Methodology
   - Students' response satisfactory.
   - Active participation of students in all co-curricular activities of College.

Weakness of the Department.
   - Infrastructure
   - Poor Student Input

Opportunities
   - Infrastructure

- The study programme will confront students with both academic and personal challenges
- Provides students with professional breadth and depth
- Preparation for OTET,NTET,B.Ed,CT Entrance test .
- Admission for Post Graduation course.
- Makes Computer Literate.

Challenges

Post Graduation Course in College

Career counselling and guidance programme.

Research facilities.

39. Future plan of the Department
    1. Introduction of Nursery Teacher's Certificate course on self financing mode.
    2. As per the decision of the Dept of Higher Education Odisha Fashion Technology is going to be introduced as a vocational subject.

Post-accreditation Initiatives

The Department of Education was at infant stage when the last accreditation process was done.The Department had one faculty and the intake strength of students was limited to 16 (Pass) students. Education as a Honours subject was introduced in the year 2012. Two more faculty members are added to enrich the Department .The intake strength of the department now stands at 19 (Honours) students and 19 (Elective) students.The result of the first (Honours) batch is quite outstanding.The Department is very thankful to our management and administration for putting their endless effort to make the department an outstanding one.

Declaration by the Head of the Institution.

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

The SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place   Signature of the Head of the Institution.

Date   With seal

Evaluative Report of English Department

1. Name of the Department & its year of establishment
    Department of English
    Talcher College, Date of establishment-1970-71, Hons - 1978-79

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) UG - B.A. Hons

3. Interdisciplinary courses and departments involved :-Nil

4. Annual/ semester/choice based credit system:- Semester

5. Participation of the department in the courses offered by other departments.Nil

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	NIL	NIL
Associate Prof.	06	03
Assistant Prof	NIL	NIL

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualifi-cation	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
D.K. Pradhan	M.A	Reader	Linguistics	32 years	Nil
S.K.Pradhan	M.A, M.Phil.	Lect	Linguistics	24 years	Nil
S. Sahu	M.A, M.Phil	Lect.	Canadian Literature	21years	Nil
A. Khuntia	M.A	Temp. Faculty	Linguistics	1year	Nil

8.   Percentage of classes taken by temporary faculty - programme-wise information:- 25%

9.   Programme-wise Student Teacher Ratio :-1:125

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:- NA

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received. Nil

13. Research facility / centre with . NA
   ✿ state recognition
   ✿ national recognition
   ✿ international recognition

14. Publications: Nil

15. Details of patents and income generated :-NIL

16. Areas of consultancy and income generated:- Nil

17. Faculty recharging strategies: Nil

18. Student projects

S	percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
		100%	100%	100%	100%	100%
	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19. Awards / recognitions received at the national and international level by
   ▶ Faculty -Nil
   ▶ Doctoral / post doctoral fellows -Nil
   ▶ Students -Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.Nil

21. Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected Male	Female	Pass percentage Male	Female
BA honors (11-12)	04	02	02	50%	50%
BA honors (12-13)	02	01	01	100%	100%
BA honors (13-14)	01	0	01	--	100%
BA honors (14-15)	01	01		100 %	

22. Diversity of students : Nil

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
	10%	90%	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Nil

24. Student progression

Student progression	Percentage against enrolled
UG to PG	50 %
PG to M.Phil.PG to Ph.D	Nil
Ph.D. to Post-Doctoral	
Employed	Nil
Campus selection	
Other than campus recruitment	
• Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university -	100%
from other universities within the State -	
from other universities from other States	

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil

27. Present details about infrastructural facilities

    a) Library -No of Books- 3613

    b) Internet facilities for staff and students - Yes, available

    c) Total number of class rooms -one

    d) Class rooms with ICT facility - Nil

    e) Students' laboratories - Nil

    f) Research laboratories- Nil

28. Number of students of the department getting financial assistance from College; Nil

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Nil

30. Does the department obtain feedback from

    a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

       Yes, feedbacks help in the assessment of the utility of the curriculum..

    b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Yes, Feedbacks from students help re-orient teaching - learning process.

    c. Alumni and employers on the programmes and what is the response of the department to the same? Yes, Their feedbacks are given proper consideration.

31. List the distinguished alumni of the department (maximum 10).

    1. Pratap Tripathy, Lecturer

    2. Biswanath Pradhan, Lecturer

    3. Purusottam Sahu, Lecturer

    4. Hemanta Khuntia, Journalist

    5. Archana Khuntia, Guest Faculty

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.
   Student actively participate in the seminars on various aspects of language and literature.

33. List the teaching methods adopted by the faculty for different programmes.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
   *Feedback from students, conducting unit tests and evaluating students performance..

35. Highlight the participation of students and faculty in extension activities.

36. Give details of "beyond syllabus scholarly activities" of the department.
   Encouraging students to participate in debates group discussion etc.

37. State whether the programme / department is accredited/ graded by other agencies. Give details. Nil
   Reviewed by external Academic Audit committee

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength
   1. Experienced faculty.
   2. Learning English language & literature prepares students to face life with more confidence & conviction
   3. Literature generates human values.
   4. Knowledge of English opens up job opportunities.

Weakness -
   1. No of students opting for English Hons discouraging.
   2. Fear of making errors while writing or speaking the foreign language..

Opportunities -
   1. The knowledge of English helps in developing communicative skills.
   2. Creates job opportunity.

Challenges -
   1. To develop proper communicative skills.

39.   Future plans of the department.

  a) The department plans to organize seminars / special lectures with external experts as the number of Hons students has increases considerably.

  b) The department plans to set up a language lab to develop the communicative skills of the students and shaping their English into a more functioned from. A proposal to this effect has already been seat to the UGC.

<p align="center">Post-accreditation Initiatives</p>

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages.

Declaration by the Head of the Institution

I certified that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after interal discussion, and no part thereof has been outsourced.

Iam aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place :   Signature of the Head of the Institution
Date :   With seal

Evaluative Report of Geology Department

1. Name of the Department & its year of Establishment
   Department of Geology,
   Talcher College, Date of establishment : 01-06-2005

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
   UG- B.Sc. Hons

3. Interdisciplinary courses and Departments Involved :- Maj Ele- Geology.

   Dept involved- Phy, Che, Math

4. Annual/ semester/choice based credit system: - Semester/ Choice Based Credit System.

5. Participation of the Department in the courses offered by other Departments :- Nil

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof.	Nil	Nil
Assistant Prof	02	02

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualifi-cation	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Sri R.K Sahoo	M.Sc,	Lect	Ore deposits	07 years	Nil
Mrs B.Jena	M.Sc,	Lect	Pipelinig Engg	02 years	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- 10% in B.Sc

9. Programme-wise Student Teacher Ratio :-
    B.Sc(Hons)-   16:2
    B.Sc(Elective)- 32:2

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:-

Name of the post	Sanctioned	Filled
Demonstrator	Nil	Nil
Lab. Attendant	01	01
Lab. bearer	01	01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. - NIL

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received - NIL

13. Research facility / centre with
    ✿ state recognition :-Nil
    ✿ national recognition :-NIL
    ✿ international recognition :-NIL

14. Publications: 06(internation), 01(national)

Sl No	number of papers published in peer reviewed journals (national / international)	09-10	10-11	11-12	12-13	13-14
	Mero-morphic function	nil	nil	nil	nil	nil
	Chapter(s) in Books	nil	nil	nil	nil	nil
	Editing Books	nil	nil	nil	nil	nil
	Books with ISBN numbers with details of publishers	nil	nil	nil	nil	nil
	Number listed in International Database	nil	nil	nil	nil	nil
	Citation Index - range / average	nil	nil	nil	nil	nil
	SNIP/SJR	nil	nil	nil	nil	nil
	Impact factor - range / average ? h-index	nil	nil	nil	nil	nil

15.   Details of patents and income generated :-NIL

16.   Areas of consultancy and income generated:- Consultancy is provided on honorary basis .

17.   Faculty recharging strategies:- Seminar,Geological Field study, Faculty development programmes, during the last two years we have visited nearby dams and some opencast coal mines

18.   Student projects

percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
	nil	nil	100%	100%	100%
percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19.   Awards / recognitions received at the national and international level by

▸ Faculty -Nil

▸ Doctoral / post doctoral fellows -Nil

▸ Students -One student qualified for ISM,Dhanbad

20.   Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Seminar ,UGC. Nil

21.   Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Bsc pass (11-12)	43	07	01	100	
Bsc honors (12-13)	49	13	03	88	
Bsc honors (13-14)	53	13	03	Not Appeared	
Bsc honors (14-15)	67	13	06	Not Appeared	

22. Diversity of students

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
BSc Hons in Geology	10	90	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?
ISM Dhanbad-01

24. Student progression

Student progression	Percentage against enrolled
UG to PG	80%
PG to M.Phil.	
PG to Ph.D.	00
Ph.D. to Post-Doctoral	00
Employed • Campus selection • Other than campus • recruitment Entrepreneurs	00

24. Diversity of staff - NA

Percentage of faculty who are graduates	
Of the same parent university	50%
From other universities within the State	50%
From other universities from other States	

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. -NIL

27. Present details about infrastructural facilities

a) Library - Genaral library- No of Books-446 & Seminar library

b) Internet facilities for staff and students -yes

c) Total number of class rooms -01(labs)+01(class)=02

d) Class rooms with ICT facility -02

e) Students' laboratories -02

f) Research laboratories -Nil

28. Number of students of the Department getting financial assistance from College;
08 No .of SC and 05 No .of ST students are receiving financial assistance from the college.

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NIL

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
Yes, The department analyses the feedback collected from the students and modify the curriculum according to the ability and the availability of the facilities to the students as per the need .

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
The department review the feedback, advise the faculties to take care of the lapses and clarifying concepts and to make the students understand satisfactorily on the doubts of the subjects.

c. Alumni and Employers on the programmes and what is the response of the department to the same?
The dept. also receives support from the alumni in promoting all-round activities of the students.

31. List the distinguished alumni of the department (maximum 10).

1. Rakesh Behera-ISM Dhanbad

32. Give details of Student Enrichment Programmes (Special Lectures / Workshops / Seminar) with external experts.

Sl No	Topics	Name	Designation and Address
1	Chromite in Orissa	Dr.D.S Pattanaik	Reader ,Utkal University
2	Ground water exploration	M.R Swain	Lect,Nimapara Auto College

33. List the teaching methods adopted by the faculty for different programmes.
   .Chalk and Talk Method
   . PPT presentation
Smart classes
   ✿ Practical Classes
   ✿ Charts and models
   ✿ Field visit to Engg projects,opencast mines

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
   ● Internal assignments
   ● Practical IA
   ● Practical record
   ● Assignment
   ● Review of end semester examination results

35. Highlight the participation of students and faculty in extension activities.
   ● NSS, NCC
   ● Nature club activities

36. Give details of "beyond syllabus scholarly activities" of the department.
   ● Compulsory field visit.
   ● Involvement with people for the awareness on the role of Geology to mankind

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
   Nil

38.   Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength

1. Laboratory with required equipments
2. Interdisciplinary approach
3. Up graded teaching-learning resources
4. Updated curriculum
5. Initiating for assignments and role of geology for the people.

Weakness

1. Lack of sufficient teaching staffs
2. Availability of below standard students.
3. Lack of department room

Opportunities

1. Scope for collaborations with industries and research laboratories
2. Employability in mining sector & industries.

Challenges

1. Increase enrollment
2. Enhance Industry institution interaction
3. Create infrastructure facilities
4. Expansion of extension activities
5. Initiating growth from class room to people.

39. Future plans of the department.

.To introduce M..Sc in Geology, Geo physics, remote sensing courses

. To undertake research in the mining area of Talcher.

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages

- B.Sc Hons in Geology was opened from the session 2012-13.
- CBCS to be implemented from the session 2015-16

Evaluative Report of History Department

1.   Name of the Department & its year of establishment
        Department of History, Talcher College
        Date of establishment- 1970-71

2.   Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) UG - B.A. Hons

3.   Interdisciplinary courses and departments involved -ISC in Arts, Science & Commerce.

4.   Annual/ semester/choice based credit system:- Semester

5.   Participation of the department in the courses offered by other departments.E.S & Env. Edu. By Zool. & Bot., Comp. Appl. By Comp.Sc. Deptt.

6.   Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof.	01	01
Assistant Prof	05	03

7.   Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Dr. D.P. Mishra	M.A, M.Phil, LLB, PhD	Reader	American History	35 years	Nil
Dr. N.C. Pradhan	M.A, LLB, PhD.	Lect	Ancient Indian History	30 years	Nil
Sri S. Samal	M.A	Lect.	Medieval India	28Yrs.	Nil
Sri. B.R. Pattanaik	M.A, M.Phil.	Lect.	Modern India	27yrs.	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- Nil

9. Programme-wise Student Teacher Ratio :-BA.Hons -16:4, B.A, E1 - 16:4

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:- Nil

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received. Nil

13. Research facility / centre with . Nil
    ✿ state recognition
    ✿ national recognition
    ✿ international recognition

14. Publications: Nil

15. Details of patents and income generated :-NIL

16. Areas of consultancy and income generated- Consultancy is provided on honorary basis.

17. Faculty recharging strategies: Faculty development programmes, refresher courses, Seminars, field visit to Historical places / monuments etc.

18. Student projects

S percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
	100%	100%	100%	100%	100%
percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19. Awards / recognitions received at the national and international level by
    ▸ Faculty -Nil
    ▸ Doctoral / post doctoral fellows -Nil
    ▸ Students -Nil

20.   Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl.No.	Topics	Name & Address\ Resources person	Dt. Of Seminar	State/National level Funded by
01	Medical Monuments of Talcher	1.Dr. A.K Patnaik, Prof. & Head, P.G. Deptt. Of History, Utkal University. 2.Dr. S. Pradhan, Prof & head, PG Deptt. Of Ancient Indian, History & Culture, Utkal University 3.Dr. B.S. Mishra, Rtd. Principal, Govt. Women's college, Bolangir	10-11 Dec, 2011	State level seminar funded by UGC.
02	People's Revolt in Odisha with special reference to Talcher	Dr. Asok Ku Patnaik, Prof. in History Utkal University & Dr. Basant Mallik, Prof. in History, Utkal University	08-09 Feb, 2013	State level seminar funded by OGC.

21.Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected Male	Female	Pass percentage Male	Female
BA honors (11-12)	18	03	03	100 %	
BA honors (12-13)	22	05	07	80 %	
BA honors (13-14)	20	04	08	80%	
BA honors (14-15)	24	05	11	62 %	

22. Diversity of students : Nil

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
B.A	20	80	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Bank Po -01, Defence - 02.

24. Student progression

Student progression	Percentage against enrolled
UG to PG	30 %
PG to M.Phil.PG to Ph.D	
Ph.D. to Post-Doctoral	

Employed
    Campus selection
    Other than campus recruitment
	20

• Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university -	02
from other universities within the State -	02
from other universities from other States	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil

27. Present details about infrastructural facilities

a) Library -No of Books-2644 and Seminar library-400

b) Internet facilities for staff and students - Yes, available

c) Total number of class rooms -One

d) Class rooms with ICT facility

e) Students' laboratories

f) Research laboratories

28. Number of students of the department getting financial assistance from College; No. of SC - 02, No. of S.T - Nil, getting financial assistance from college-02

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. No

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
Feedback collected from students were analysed and accordingly curriculum was modified.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
The faculty members were advised to clarify the concept and doubts of the students.

c. Alumni and employers on the programmes and what is the response of the department to the same?
Most of the times the alumnis are consulted who extend their support and co-operation for the benefit of students.

31. List the distinguished alumni of the department (maximum 10).
Sri Brajakishore Pradhan, Hon'ble MLA Talcher
Sri Mahesh Sahoo, Hon'ble M.L.A, Pallahara
Sri Bibhudhendra Pratap Das, Hon'ble Ex-M.L.A, Pallahara
Sri Keshab Bhutia, Ex-chairman, Talcher Municipality
Dr. Upendra Parida, Lect. Kamakhyanagar College
Dr. Ashok Samal, Lect. Satmile College, Hindol
Dr(Mrs) Puspa Sahu, Reader, Angul Women's College
Dr. Nimai Pradhan, Lect. Talcher College
Sri Sanatan Samal, Lect. Talcher College
Sri S.C. Burma, Indian Postal Service
Sri Raj Kishore Dora, Odisha Police Service

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Sl.No.	Topics	Name	Designation & Address
01	Jayashrama Vihar, A Monograph	Dr(Mrs) Ramamnjari Sahu	Reader in Hist., Angul Govt(Auto) College, Angul
02	Prajamandal Movement Odisha & Talcher	Dr. A.K. Patnaik	Prof & Head, P.G. Deptt. Of History, Utkal University
03.	Social Protent in medieval Odisha	Dr. B.K. Mallik	Prof. P.G. Deptt. History, Utkal University
04.	Budhism in Odisha	Sri P.K. Som	Reader & Head, Ekamra College, Bhubaneswar
05.	Archaeological remains in Talcher	Dr. S. Pradhan	Prof. Head P.G. Deptt. Of Ancient Indian Hist. & Culture, Utkal University, Bhubaneswar

33. List the teaching methods adopted by the faculty for different programmes. Chalk & Talk method, Visit to historical places.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
    * Internal Assignments
    * Assignments
    * Review of semester results.

35. Highlight the participation of students and faculty in extension activities. NCC, NSS, Red Cross, Tree Plantation, Visit of places of Historical importance.

36. Give details of "beyond syllabus scholarly activities" of the department.
Visit of Monuments / Historical Places.

37. State whether the programme / department is accredited/ graded by other agencies. Give details. Nil
Reviewed by external Academic Audit committee

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength

1. Interdisciplinary approach.
2. Updated curriculum
3.Upgraded teaching learning resources.

Weakness -

1.Lack of research orientation.
2.Facilities for specialization.
3. Fluctuation in enrollment.

Opportunities -

1. Enhancing interdisciplinary approach.
2. Visiting Historical places of importance.

Challenges -

1.Create infrastructure facilities for specialization.
2.Expansion of extension activities.
3.Increase enrollment

39. Future plans of the department.

To introduce Post Graduation in History.

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages

Declaration by the Head of the Institution

I certified that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after interal discussion, and no part thereof has been outsourced.

Iam aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place :

Signature of the Head of the Institution

Date :

With seal

Evaluative Report of Mathematics Department

1. Name of the Department & its year of Establishment
   Department of MATHEMATICS,
   Talcher College. Date of establishment : 01-06-1980

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG- B.Sc. Hons

3. Interdisciplinary courses and Departments Involved :- Maj Ele- Mathematics, Minor Elective- Mathematics & Statistics.
   Dept involved- Phy, Che, Geo, Bot, Zool.

4. Annual/ semester/choice based credit system: - Semester/ Choice Based Credit System.

5. Participation of the Department in the courses offered by other Departments :- Physics & Minor elective (Mathemztics & Stastics), Commerce , Economics.

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof.	01	01
Assistant Prof	03	02

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualifi-cation	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Dr. P. Sahoo	M.Sc, M.Phil, PhD	Reader	Analysis	31 years	Nil

Sri B. K. Satapathy	M.Sc, M.phil	Lect	Probability Theory	25 years	Nil
Sri Laxmidhar sahoo	M.Sc	Lect	Operation Research	2 years	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- 12% in B.Sc

9. Programme-wise Student Teacher Ratio :-
    B.Sc(Hons)-   16:3
    B.Sc(Elective)-   16:3

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:- NIL

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. - NIL

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received - NIL

13. Research facility / centre with

    ▸ state recognition :-Nil

    ▸ national recognition :-NIL

    ▸ international recognition :-NIL

14. Publications: 06(Internation), 01(National)

Sl No	number of papers published in peer reviewed journals (national / international)	09-10	10-11	11-12	12-13	13-14
	Mero-morphic function	NIL	NIL	NIL	NIL	NIL
	Chapter(s) in Books	NIL	NIL	NIL	NIL	NIL

Editing Books	NIL	NIL	NIL	NIL	NIL
Books with ISBN numbers with details of publishers	NIL	NIL	NIL	NIL	NIL
Number listed in International Database	NIL	NIL	NIL	NIL	NIL
Citation Index - range / average	NIL	NIL	NIL	NIL	NIL
SNIP/SJR	NIL	NIL	NIL	NIL	NIL
Impact factor - range / average ? h-index	NIL	NIL	NIL	NIL	NIL

15. Details of patents and income generated :-NIL

16. Areas of consultancy and income generated:- Consultancy is provided on honorary basis .

17. Faculty recharging strategies:- Seminar,workshop,refresher courses,orientation programmes, Faculty development programmes, during the last two years we have visited nearby industries to learn the process of execution of transportation problems and assignment problems.

18. Student projects

1.	percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
		100%	100%	100%	100%	100%
	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19. Awards / recognitions received at the national and international level by
   ✿ Faculty -Nil
   ✿ Doctoral / post doctoral fellows -Nil
   ✿ Students -Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Seminar ,UGC.

21.   Student profile course-wise:

Name of the course	Applications received	Selected Male	Female	Pass percentage
B.Sc Hons(10-11)	47	09	07	100
B.Sc Hons(11-12)	61	09	05	100
B.Sc Hons(12-13)	49	10	06	94
B.Sc Hons(13-14)	53	09	06	Not appeared
B.Sc Hons(14-15)	67	15	03	Not appeared

22. Diversity of students

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
B.Sc	08	92	06	NIL

23.   How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations?

Defence-03, NET-02 , GATE- 01

24.   Student progression

Student progression	Percentage against enrolled
UG to PG	31%
PG to M.Phil.	
PG to Ph.D.	06%
Ph.D. to Post-Doctoral	06%
Employed • Campus selection • Other than campus	 30%
Recruitment Entrepreneurs	10%

24.   Diversity of staff -

Percentage of faculty who are graduates	
Of the same parent university	
From other universities within the State	
From other universities from other States	

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. -NIL

27. Present details about infrastructural facilities

   a) Library - General library-1668
      Seminar library-59

   b) Internet facilities for staff and students -yes

   c) Total number of class rooms -01(labs)+01(class)=o2

   d) Class rooms with ICT facility

   e) Students' laboratories

   f) Research laboratories

28. Number of students of the Department getting financial assistance from College; NIL

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NIL

30. Does the department obtain feedback from

   a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

      Yes, The department analyses the feedback collected from the students and modify the curriculum according to the ability and the availability of the facilities to the students as per the need .

   b. Students and staffs, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

   The department review the feedback, advise the faculties to take care of the lapses and clarifying concepts and   to make the students understand satisfactorily on the doubts of the subjects.

   c. Alumni and Employers on the programmes and what is the response of the department to the same?

      The dept. also receives support from the alumni in promoting all-round activities of the students.

31. List the distinguished alumni of the department (maximum 10).

1. Dilip ku. pradhan- Researcher in NIT rourlkela

2. Bapuji sahoo NET, GET

32. Give details of Student Enrichment Programmes (Special Lectures / Workshops / Seminar) with external experts.

Sl No	Topics	Name	Designation and Address
1	Optimization Function	Prof.N.K. Choudhury	IGIT, Saranga
2	Operation research	Prof. S. Mohanty	IGIT, Saranga
3	Functional Analysis	Dilip kumar pradhan	NIT, Roukela
4	Abstract Algebra	Bapuji sahoo	IGIT, Saranga

33. List the teaching methods adopted by the faculty for different programmes.

.Chalk and Talk Method

. PPT presentation

Smart classes

- Practical Classes

- Visit to Industries/ Research laboratories

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Internal assignments

- Practical

- Practical record

- Assignment

- Review of end semester examination results

35. Highlight the participation of students and faculty in extension activities.

- NSS, NCC

- Nature club activities

36. Give details of "beyond syllabus scholarly activities" of the department.

- Involment with people for the awareness of the role of mathematics for mankind.

37.   State whether the programme/ department is accredited/ graded by other agencies. Give details.

Reviewed by external Academic Audit committe

38.   Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength

1. Well equipped laboratory

2. Interdisciplinary approach

3. Up graded teaching-learning resources

4. Updated curriculum

5. Initiating for assignments and role of mathematics for the people.

Weakness

1. Fluctuation in enrollment

2. Availability of below standard students.

3. Scare availability of potential faculty

4. Lack of research orientation

5. Facilities for specialization.

Opportunities

1. Scope for collaborations with industries and research laboratories

2. Employability in operation research section of defence.

3. To introduce the new branches cryptology and graph theory.

4. Enhancing interdisciplinary approach with computer sciences/ stastics/ Economics/ commerce.

5. Job opportunities in industries.

Challenges

1. Increase enrollment

2. Enhance Industry institution interaction

3. Create infrastructure facilities for specializations

4. Expansion of extension activities

5. Initiating growth from class room to people.

39.   Future plans of the Department.
       .To introduce M.Sc in Mathematics
       . Research facility centre with state/ national/international recognition.

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages.

- The Department has Special interest on the subclasses of the univalent and multivalent functions, optimization and cryptography & operation research.

- To produce specially designed models in connection to the courses for proper effective.

- To produce models of different process to obtain solutions as early as possible.

- To produce the programmes to solve the numerical problems in C- language.

- To provide education in values.

This department has been constantly trying to expand the sphere of research in interdisciplinary approach and upgraded its laboratory and seminar library to meet the research requirements. Smart class room teaching has been initiated.

To realize the reality or ultimate truth, man has developed manifold branches of knowledge. Man is a part of created universe. Being a part, it is trying to comprehend the whole of it. As a result man is forced to understand the nature part by part. Consequently we have divided ourselves in to different groups of experts and developed diverse disciplines of scientific knowledge. Logic and Mathematics are at the foundation of every scientific investigation. During the recent years, spectacular developments in digitization and convergence of computer and communication technologies have initiated the new information technology revolution. This revolution has spearheaded the growth of knowledge societies breaking all geographical boundaries and barriers.

Evaluative Report of Philosophy Department

1. Name of the Department & its year of establishment
    Department of Philosophy, Talcher College
    Date of establishment : 1970-71

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) UG - B.A. Hons

3. Interdisciplinary courses and departments involved :-Nil

4. Annual/ semester/choice based credit system:- Semester

5. Participation of the department in the courses offered by other departments.Nil

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Professor	00	Nil
Associate Prof.	01	01
Assistant Prof	01	01

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Smt. Niraja Sahu	M.A	Lecturer	Philosophy of wittgenstein	28years	Nil
Smt. Avijita Das	M.A, M.Phil. NET continuing PhD	Lecturer	Philosophy of mind	21 years	Nil

8.   Percentage of classes taken by temporary faculty - programme-wise information:- Nil

9.   Programme-wise Student Teacher Ratio :-1:30

10.   Number of academic support staff (technical) and administrative staff: sanctioned and filled:- NA

11.   Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12.   Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received. Nil

13.   Research facility / centre with . Nil
      ‣ state recognition
      ‣ national recognition
      ‣ international recognition

14.   Publications:
      Number of papers published in peer reviewed journals (national / international)
   i) Knowledge and devotion with special reference to the Bhagavata - published in Darshan. International Research Journal of Philosophy and Yoga (ISSN : 2320 - 8325) by Smt. Avijita Das
   ii) Paper Communicated :-
      a)   Achieving your Goal - The motivational teaching of the Srimad Bhagavad Gita by Smt. Avijita Das

15.   Details of patents and income generated :-NIL

16.   Areas of consultancy and income generated:- Nil

17.   Faculty recharging strategies: Nil

18.   Student projects

S	percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
		100%	100%	100%	100%	100%
	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19.   Awards / recognitions received at the national and international level by
   ✿ Faculty -Nil
   ✿ Doctoral / post doctoral fellows -Nil
   ✿ Students -Nil

20.   Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil

21.Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BA honours (10-11)	10	01	05	100 %	
BA honours (11-12)	06	0	03	100 %	
BA honours (12-13)	05	0	03	100 %	
BA honours (13-14)	06	02	02	100%	
BA honours (14-15)	00	00	00	Nil	

22. Diversity of students

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
UG	90%	10%	NIL	NIL
UG	100%	Nil	Nil	Nil
UG	80%	20%	Nil	Nil
UG	100%	Nil	Nil	Nil

23.   How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Nil

24.   Student progression

Student progression	Percentage against enrolled
UG to PG	30 %
PG to M.Phil.PG to Ph.D	Nil
Ph.D. to Post-Doctoral	
Employed Campus selection	Nil
Other than campus recruitment	50%
Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates		
of the same parent university	-	100%
from other universities within the State	-	Nil
from other universities from other States	-	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil

27. Present details about infrastructural facilities

   a) Library - contains 1308 number of books. Out of which 40% are recommended books and 60% are reference books.

   b) Internet facilities for staff and students - Yes

   c) Total number of class rooms -One

   d) Class rooms with ICT facility - Nil

   e) Students' laboratories - NA

   f) Research laboratories - NA

28. Number of students of the department getting financial assistance from College; Nil

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology - database

30. Does the department obtain feedback from

   a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Nil

   b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

   The department is considerate and tries to make charges wherever necessary.

   c. Alumni and employers on the programmes and what is the response of the department to the same? Nil

31. List the distinguished alumni of the department (maximum 10)

   a.Smruti Sonali Ratha, T.V. artist

   b.Krushna Ch. Prusty, MBA now working in Jindal.

   c.Santosh Ku. Sahoo, Lecturer

32. Give details of student enrichment programmes (special lectures / workshops / seminar)

Seminars have been conducted in the department regularly with an external expert. The copy of the best judged papers are there in the library.

33. List the teaching methods adopted by the faculty for different programmes.

Class participation, Textbook assignment, students assigned to other students for assistance, inquiry based learning, note book.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored ? By periodical test.

35. Highlight the participation of students and faculty in extension activities. Nil

36. Give details of "beyond syllabus scholarly activities" of the department.

Participated in workshop, seminars related to women empowerment. Smt. Avijita Das participated in the workshop titled "Capacity Building of Women Managers in Higher Education sponsored by U.G.C

37. State whether the programme / department is accredited/ graded by other agencies. Give details.

Reviewed by external Academic Audit committee

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength

1. Good behaviour and response of the students.
2. Mutual cooperation between faculty members.
3. Good rapport with the students.
4. 100% result of the department.
5. Any change in teaching method or syllabus is easily accepted by the students.

Weakness -

1. Lack of infrastructure.
2. Shortage of teaching staff.
3. Lack of ample research facility.
4. Some Students are poor in English.
5. Lack of practical applicability of the course.

Opportunities -

1. Students can pursue research activity.
2. Strengthen reasoning and analytic power which enables the students to get jobs in bank and to qualify other exams.
3. Students can be good councellor and cultivate leadership quality.

Challenges -

1. Not to drop the classes with shortage of staff.
2. To purchase research activity with limited facility.
3. To make the course more attractive.
4. To make the department unique among others.

39.   Future plans of the department.

To introduce some interdisciplinary courses in order to make the course more attractive. The department will organize national seminars to broden outlook the students. E-Library will be launched for the students.

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages

Declaration by the Head of the Institution

I certified that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after interal discussion, and no part thereof has been outsourced.

Iam aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place :   Signature of the Head of the Institution

Date :   With seal

Evaluative Report of Physics Department

1.   Name of the Department & its year of establishment
      Department of Physics, Talcher College
      Date of establishment :   01-06-1979

2.   Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D.,
      Integrated Masters; Integrated Ph.D., etc.) :UG- B.Sc. Hons

3.   Interdisciplinary courses and departments involved :-Environmental
      Studies(SC/Arts/Com), Maj Ele-Phy,
      Dept involved-, Che, Geo, Math

4.   Annual/ semester/choice based credit system: - Semester

5.   Participation of the department in the courses offered by other departments :-
      Environmental Education.

6.   Number of teaching posts sanctioned and filled (Professors/Associate
      Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof./Reader	02	02
Assistant Prof/Lecture	03	03

7.   Faculty profile with name, qualification, designation, specialisation (D.Sc./
      D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualifi-cation	Design-ation	Speciali-zation	No. of years of experience	No of PhD student guided in the last 4 years
B. N Dash	M.Sc.	Reader	Electronics	35 years	Nil
B.K Sahoo	M.Sc.	Reader	Nuclear Physics	34 years	Nil

P M Nanda	M.Sc,M.Phil, Ph.D, LL.B	Lect	Electronics	29 year	Nil
P L Rath	M.Sc,M.Phill, B.Ed	Lect	Nuclear Physics	29 year	Nil
S K Rath	M.Sc, Ph.D	Lect	Electronics	21 year	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- Nil

9. Programme-wise Student Teacher Ratio :-
    B.Sc(Hons)-   32:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:-

Name of the Post	Sanctioned	Filled
Demonstrator	03	03
Store keeper	01	01
Lab. bearer	02	02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received   NIL

13. Research facility / centre with
    ‣ state recognition :-one
    ‣ national recognition
    ‣ international recognition

Publications:

Sl No		09-10	10-11	11-12	12-13	13-14
1.	number of papers published in peer reviewed journals (national / international)		2	1	2	2
2	Monographs					

3	Chapter(s) in Books					
4	Editing Books					
5	Books with ISBN numbers with details of publishers					
6	number listed in International Database					
7	Citation Index - range / average					
8	SNIP/SJR					
9	Impact factor - range / average ? h-index					

14.   Details of patents and income generated :-NIL

15.   Areas of consultancy and income generated:- Nil

16.   Faculty recharging strategies:-Faculty development programmes through Orientation programmes , refresher courses ,Seminars and workshops.

17.   Student projects

01	percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
		100%	100%	100%	100%	100%
02	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

18.   Awards / recognitions received at the national and international level by
     ✿ Faculty -Nil
     ✿ Doctoral / post doctoral fellows -02(Ph.D)
     ✿ Students -Nil

19.   Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
                    Nil

20.   Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected Male	Female	Pass percentage Male	Female
Bsc honors (11-12)		19	08	100	
Bsc honors (12-13)		19	10	100	
Bsc honors (13-14)		30	13	continuing	
Bsc honors (14-15)		33	22	continuing	

22. Diversity of students

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
BSc	Nil	100	NIL	NIL

23.   How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

24.   Student progression

Student progression	Percentage against enrolled
UG to PG	30
PG to M.Phil.	27
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed • Campus selection • Other than campus • recruitment Entrepreneurs	

24.   Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	81%
from other universities within the State	Nil
from other universities from other States	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.-: 02 (Ph.D)

27. Present details about infrastructural facilities

   a) Library
      Seminar library- 450 books
      General library- 1591 books

   b) Internet facilities for staff and students Yes

   c) Total number of class rooms -3 laboratories & theory class room as per requirements.

   d) Class rooms with ICT facility -Yes

   e) Students' laboratories -3

   f) Research laboratories - Nil

28. Number of students of the department getting financial assistance from College; Nil

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

30. Does the department obtain feedback from

   a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?   Yes

      (i) The department analyses the feedback collected from the students and modify the curriculum according to the ability and the availability of the facilities to the students as per the need . (ii)Undergoing Refresher & Orientations for teaching & learning by the faculty members.

   b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

      (i) The department review the feedback, advise the faculties to take care of the lapses and clarifying concepts and   to make the students understand satisfactorily on the doubts of the subjects.(ii) Undergoing Refresher & Orientations for teaching & learning by the Students too

   c. Alumni and employers on the programmes and what is the response of the department to the same? Yes.
      The dept. receives support from the alumni in promoting all-round activities of the students by inviting seminars & lectures.

31.   List the distinguished alumni of the department (maximum 10).
   1. Dr B B R Kumar Nanda- Asst prof. in IIT Chennai
   2. Mr Priyabrat Sahoo, Secretary of Joint Entrance Examination Committee Odisha
   3. Mr Sushant Kumar Sahu, KIIT University
   4. Ms Sradhanjalee Sahu , Research Associate, Kalpakam
   5. Dr. Basant Kumar Sahu , Govt Auto College, Angul
   6. Dr. Subrat Kumar Das, Andhra University
   7. Dr. Ajaya Ku Dash. IOP BBSR
   8. Mr. Manoj Kumar Satpathy, Jonal Adviser TCS, working at America

32.   Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Sl No	Topics	Name	Designation and Address
1	Scope Of Physics For Higher Education	Dr. P S Nayak	Scientist,HongKong University, HongKong
2	New Trend in Experimental Physics	Prof.Dr.R Srinivasan	Course Co-ordinator, Indian Academy of Science, Bangalore
3	Popular Topics In Physics	Dr.Santosh Ku Das	Ex-Principal, GM College, Sambalpur,Odisha
4	Journey From Classical To Quantum Mechanics	Dr. P. Ku Mishra	Ex-Principal, GM College, Sambalpur,Odisha
5	Contribution of Pathani Samanta To Astronomy	Dr. P C Nayak	Ex-Principalm DD College, Keonjhar, Odisha
6			

33. List the teaching methods adopted by the faculty for different programmes.
   - .Chalk and Talk Method
   - . PPT presentation
   - Smart classes
   - Practical Classes
   - Charts and models
   - Industrial Visits/ Research laboratories

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
   - Internal assignments
   - Practical IA
   - Practical record
   - Assignments
   - Project
   - Review of end semester examination results

35. Highlight the participation of students and faculty in extension activities.
   - NSS, NCC

36. Give details of "beyond syllabus scholarly activities" of the department.
   - Field Studies

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
      Reviewed by external/internal Academic Audit committee

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength
   1. Well equipped laboratory,
   2. Qualified Faculties
   3. Trained Support Staff
   4. Adequate Seminar Books

Weakness
   1. Fluctuation in enrollment

2. Industry institution linkage

3. Facilities for specializations

4. Lack of research orientation

5. Scarce availability of funds for study abrode

Opportunities

1. Scope for collaborations with industries and research laboratories

2. Enhancing interdisciplinary approach

3. Job opportunities in Industries & mines through on campus selection

Challenges

1. Increase enrollment

2. Enhance Industry institution interaction

3. Create infrastructure facilities for specializations

4. Expansion of extension activities.

39.   Future plans of the department:- To introduce M.Sc in Physics

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages.

Evaluative Report of Political Science Department

1. Name of the Department & its year of establishment
    Department of Political Science, Talcher College
    Date of establishment : 1970-71
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D.,
    Integrated Masters; Integrated Ph.D., etc.) UG - B.A. Hons
3. Interdisciplinary courses and departments involved :-Nil
4. Annual/ semester/choice based credit system:- Semester
5. Participation of the department in the courses offered by other
    departments.Nil
6. Number of teaching posts sanctioned and filled (Professors/Associate
    Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof.	NIL	NIL
Assistant Prof	05	01
		01 on Temporary Basis
SRF	01(UGC)	01

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./
    D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualifi-cation	Design-ation	Speciali-zation	No. of years of experience	No of PhD student guided in the last 4 years
Smt. Kalpana Boity	MPhil, PhD	Asst.Prof.	Pol. Sociology	23years	Nil
Miss Priyambada Nanda	M.A	Asst. Prof (Temporary)	Pol.Sociology International Relation	02 years	Nil
Mr. Basanta Naik	M.A	SRF	Development Admn.		

8. Percentage of classes taken by temporary faculty - programme-wise information:- 25%

9. Programme-wise Student Teacher Ratio :-1:30

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:- Nil

11. Mrs. Kalpana Boity has applied for MRP (UGC) - title industrilisation of Talcher of Odisha - Its impact an Women livelihood.

12. Mrs. Kalpana Boity has completed one MRP founded by UGC 2010-11 Title - Empowerment of civil society - Role of Communist Party

13. Research facility / centre with . NA
    ‣ state recognition
    ‣ national recognition
    ‣ international recognition

14. Publications:Nil

15. Details of patents and income generated :-NIL

16. Areas of consultancy and income generated:- Nil

17. Faculty recharging strategies: Nil

18. Student projects

S	percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
		100%	100%	100%	100%	100%
	percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19. Awards / recognitions received at the national and international level by
    ✿ Faculty -Nil
    ✿ Doctoral / post doctoral fellows -Nil
    ✿ Students -Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Dept. has organized one UGC sponsored National Seminar on 2011-12 (Role of Political Elite in Higher Education.

21.Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected Male	Female	Pass percentage Male	Female
BA honors (10-11)	34	05	08	100 %	
BA honors (11-12)	84	09	23	85 %	
BA honors (12-13)	79	07	25	73 %	
BA honors (13-14)	93	06	26	81.82%	
BA honors (14-15)	95	05	27	92 %	

22. Diversity of students

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
BA	Nil	Nil	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Nil

24. Student progression

Student progression	Percentage against enrolled
UG to PG	30 %
PG to M.Phil.PG to Ph.D	Nil
Ph.D. to Post-Doctoral	
Employed - Campus selection - Other than campus recruitment - Entrepreneurs	Nil

25. Diversity of staff

Percentage of faculty who are graduates		
of the same parent university	-	100%
from other universities within the State	-	Nil
from other universities from other States	-	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil

27. Present details about infrastructural facilities

   a) Library - contains 2746 number of books. Out of which 40% are recommended books and 60% are reference books.

   b) Internet facilities for staff and students - Yes

   c) Total number of class rooms -One
   d) Class rooms with ICT facility
   e) Students' laboratories
   f) Research laboratories

28. Number of students of the department getting financial assistance from College; Nil

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Nil

30. Does the department obtain feedback from
   a. Feedback from the students.
   b. Response is very good.
   c. Good

31. List the distinguished alumni of the department (maximum 10).

   a. Dharmendra Pradhan (Minister of State - Petroleum & Natural Gas)

   b. Mr. Mahesh Sahoo, Hon'ble M.L.A - Pallahara Constituency.

   c. Mr. Prasad Harichandan - President of Congress Committeee Odisha

   d. Mrs. Sarita Pani - Faculty (Po.Sc.) G.M. University.

   e. Miss P. Nanda - Asst. Prof in this College.

32. Seminars have been conducted in the department regularly with an external expert. The copy of the best judged papaers are there in the library.

33. Class participation, Textbook assignment, students assigned to other students for assistance, inquiry based learning, note book.

34. Regular student feedback.

35. Highlight the participation of students and faculty in extension activities. Nil

36. Give details of "beyond syllabus scholarly activities" of the department. Nil

37. State whether the programme / department is accredited/ graded by other agencies. Give details.Nil

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength
1. Healthy relationship between faculty and students..
2. Well-equiped library and a good variety of reference books..
3. Veri good performance of the students in academic activities.
4. Elected to differect posts in student union election.
5. Good academic qualification of faculty members.

Weakness -
1. Poor faculty recruitment
2. Seminar library is not equipped with more books.
3. Lack of ample research facility.

Opportunities -
1. Extra classes are held regularly to assess the understanding of the subject-matter in all (Hons) papaers.
2. Students are completely free to ask faculty members to clarify their doubts.
3. To make the academic life more dynamic and impressive, this dept. encourages the students to organize Mock Parliament, Mock assembly, G-D on current topics

Challenges.
1. Not to drop the classes due to shortage of staff.

2. To purchase research activity with limited facility.

3. To make the course more attractive.

4. To make the department unique among others.

39. Future plans of the department.

Organise a study tour to parliament, Delhi to gather practical knowledge on legislatlve procedure. To open post-graduate course in Pol.Sc. To organize extension activities in dept. with more student participation Study tour programmes to places of historical importance. Encourage the students to enroll their names in IGNOU cases.

Post-accreditation Initiatives

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages

Declaration by the Head of the Institution

I certified that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after interal discussion, and no part thereof has been outsourced.

Iam aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place :   Signature of the Head of the Institution

Date :   With seal

Evaluative Report of Sanskrit Department

1.   Name of the Department & its year of establishment
        Department of Sanskrit, Talcher College
        Date of establishment : 1970-71

2.   Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D.,
        Integrated Masters; Integrated Ph.D., etc.) UG - B.A. Hons

3.   Interdisciplinary courses and departments involved :-Nil

4.   Annual/ semester/choice based credit system:- Semester

5.   Participation of the department in the courses offered by other
        departments.Nil

6.   Number of teaching posts sanctioned and filled (Professors/Associate
        Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Proffesor	Nil	Nil
Associate Prof.	01	01
Assistant Prof	01	01

7.   Faculty profile with name, qualification, designation, specialisation
        (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Dr. Girija S. Mahapatra	M.A, M.Phil, PhD	Reader	Classical Literature	36 years	Nil
Smt Swetalina Kara	M.A, M.Phil.	Lect	Sahitya	5 years	Nil

8.	Percentage of classes taken by temporary faculty - programme-wise information:- 20%

9.	Programme-wise Student Teacher Ratio :-1:30

10.	Number of academic support staff (technical) and administrative staff: sanctioned and filled:- Nil

11.	Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. Nil

12.	Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received. Nil

13.	Research facility / centre with . NA
	‣ state recognition
	‣ national recognition
	‣ international recognition

14.	Publications: Nil

15.	Details of patents and income generated :-NIL

16.	Areas of consultancy and income generated:- Nil

17.	Faculty recharging strategies: Nil

18.	Student projects

percentage of students who have done in-house projects including inter-departmental	2010-11	2011-12	2012-13	2013-14	2014-15
	100%	100%	100%	100%	100%
percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19. Awards / recognitions received at the national and international level by
	✿ Faculty -Nil
	✿ Doctoral / post doctoral fellows -Nil
	✿ Students -Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Annexure-1

U.G.C sponsored seminars (and Lecture - Class) during the session 2012-2013 & 2014-15. In the session 2012-13 four seminars have been conducted. This year two seminars have been conducted.

1. 17th and 18th December 2012

   Dr. Narayan Prasad Dash (Senior reader and H.O.D, S.V.M College, Jagatsinghpur)

   Dr. Kamadev Pati, (Senior Reader and H.O.D, Sri Bayababa College, Mahakalpada)

2. 21st December 2012 & 22 December 2012

   Prof. Dr. Braja Kishore Swain, (Professor and H.O.D of PG Department of Dharma Shastra of Sri Jagannath Sanskrit University)

   Prof. Bibhuti Bhusan Mohapatra (The guest-faculty of S.B. Women's College, Cuttack)

3. 12th January 2015

   Dr. Bhagaban Parida, (Reader & H.O.D. Kendrapada Auto. College, Kendrapada)

4. 21st January 2015 (Asst. Prof. Dr. Sushanta ku. Raj, Deptt. Of Sahitya, Rashtriya Sanskrit Sansthan Deemed University, Shree Sadashiva Campus, Puri,Odisha)

21. Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected Male	Female	Pass percentage Male	Female
BA honors (10-11)	7	0	04	100 %	
BA honors (11-12)	9	0	05	100 %	
BA honors (12-13)	14	02	08	99 %	
BA honors (13-14)	18	0	14	100%	
BA honors (14-15)	12	01	08	50 %	

22. Diversity of students : Nil

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
	Nil	Nil	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? Nil

24. Student progression

Student progression	Percentage against enrolled
UG to PG	50 %
PG to M.Phil.PG to Ph.D	25%
Ph.D. to Post-Doctoral	
Employed Campus selection Other than campus recruitment	Nil
• Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates		
of the same parent university	-	50%
from other universities within the State	-	50%
from other universities from other States		

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil

27. Present details about infrastructural facilities

   a) Library -No of Books-1687

   b) Internet facilities for staff and students - Yes, available

   c) Total number of class rooms -One

   d) Class rooms with ICT facility

   e) Students' laboratories

   f) Research laboratories

28.   Number of students of the department getting financial assistance from College; Nil

29.   Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Nil

30.   Does the department obtain feedback from

  a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
   Yes, through feedback from the students.

  b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?   Excellent

  c. Alumni and employers on the programmes and what is the response of the department to the same? They are duly considered and necessary changes effected.

31.   List the distinguished alumni of the department (maximum 10).Nil

32.   Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Annexure-2

U.G.C sponsored seminars (and Lecture - Class) during the session 2012-2013 & 2014-15. In the session 2012-13 four seminars have been conducted. This year two seminars have been conducted.

  1. 17th December 2012 & 18th December 2012
   Dr. Narayan Prasad Dash (Senior reader and H.O.D, S.V.M College, Jagatsinghpur)

   Dr. Kamadev Pati, (Senior Reader and H.O.D, Sri Bayababa College, Mahakalpada)

  2. 21st December 2012 & 22 December 2012
   Prof. Dr. Braja Kishore Swain, (Professor and H.O.D of PG Department of Dharma Shastra of Sri Jagannath Sanskrit University)

   Prof. Bibhuti Bhusan Mohapatra (The guest-faculty of S.B. Women's College, Cuttack)

3. 12th January 2015

    Dr. Bhagaban Parida, (Reader & H.O.D. Kendrapada Auto. College, Kendrapada)

4. 21st January 2015 (Asst. Prof. Dr. Sushanta ku. Raj, Deptt. Of Sahitya, Rashtriya Sanskrit Sansthan Deemed University, Shree Sadashiva Campus, Puri,Odisha)

33. List the teaching methods adopted by the faculty for different programmes.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
    *Through regular students feedback.

35. Highlight the participation of students and faculty in extension activities.

36. Give details of "beyond syllabus scholarly activities" of the department.
    1. Dr. G.S. Mahapatra, Reader has been member board of studies of Utkal University since 2006.
    2. Member conducting board of Utkal University since 2009.
    3. Member subject sexpert committee of Utkal University for introduction of CBCS 2012.
    4. Member board of writers for department of Sanskrit CHSE Odisha and distance education.

37. State whether the programme / department is accredited/ graded by other agencies. Give details. Nil
    Reviewed by external Academic Audit committee

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength
    1. As compared to English and other foreign languages Sanskrit is the most scientific language. This is proved by linguists. It is also most suitable to be a computer language
    2. We have very senior faculty with 36yrs of experience and simultaneously youngest faculties with only 5yrs, experience.

3. 90% of students get jobs.

4. The subject developes its students with strong personality and character.

5. The department has organize two seminar in the session 2014-15 also four seminars had been conducted in the session 2012-13.

Weakness -

1. Sometimes the students become more conservative and less open to the modern world.

Opportunities -

1. The Scope of jobs have widened after the world has realize the importance of Yoga and Ayurveda.

2. The students get the opportunities to secure a job easily as compare to others.

3. Other than a job a student will be self dependant if the student learns Sanskrit. If he learns Jyotish Sastra, Vastu Sastra, Ayurveda, Yoga then he will earn sufficiently to establish himself.

Challenges -

1. To cope with a fast developing international community by updating and adopting to newer circumstances.

39. Future plans of the department.

We have decided to introduce "Sambhasan Sibir" for the students for their in depth - learning. The department will organize national seminars to broden the students outlook and give oppurtunities to express themselves. Workshops in manuscriptiology will be organized in the department. Deparmental E-Library will be lunched for the students for their easy learning.

<div align="center">

Post-accreditation Initiatives

</div>

If the college has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed five pages

Declaration by the Head of the Institution

I certified that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after interal discussion, and no part thereof has been outsourced.

Iam aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place :   Signature of the Head of the Institution

Date :   With seal

Evaluative Report of Zoology Department

1. Name of the Department & its year of establishment
    Department of Zoology
    Talcher College, Talcher   Date of establishment : 01-06-1979

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
    UG- B.Sc. Hons

3. Interdisciplinary courses and departments involved :-Environmental Studies(SC/Arts/Com), Maj Ele-MSBS, Minor Elective- BIO,

    Dept involved-Botany, Phy, Che, Geo, Math

4. Annual/ semester/choice based credit system: - Semester/ Choice based credit system.

5. Participation of the department in the courses offered by other departments :- Minor Elective(BIO), E.S., Env Edu,

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Name of the Post	Sanctioned	Filled
Professors	Nil	Nil
Associate Prof.	Nil	Nil
Assistant Prof	04	02

7. Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of years of experience	No of PhD student guided in the last 4 years
Mrs.Jayashree Tiwary	M.Sc.	Lecturer	Biochemistry	28 yrs	Nil
Mr.Jayanta Ku Moharana	M.Sc., B Lib. &Inf. Sc	Lecturer	Environmental Biology	23 yrs	Nil
Mr.Preetam Samant	M.Sc., MBA	Guest Lecturer	Biotechnology	1 yr	Nil

8. Percentage of classes taken by temporary faculty - programme-wise information:- 25% in B.Sc

9. Programme-wise Student Teacher Ratio :-
   B.Sc(Hons)-   16:3
   B.Sc(Elective)- 16:3

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:-

Name of the Post	Sanctioned	Filled
Demonstrator	02	02
Store Keeper	01	01
Lab. Attendant	01	01
Lab. Bearer	01	01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
    Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
    NIL

13. Research facility / centre with
    ▸ state recognition :-Nil
    ▸ national recognition
    ▸ international recognition

14. Publications:

Sl No	number of papers published in peer reviewed journals (national / international)	09-10	10-11	11-12	12-13	13-14
	Monographs	Nil	Nil	Nil	Nil	Nil
	Chapter(s) in Books	Nil	Nil	Nil	Nil	Nil
	Editing Books	Nil	Nil	Nil	Nil	Nil
	Books with ISBN numbers with details of publishers	Nil	Nil	Nil	Nil	Nil

number listed in International Database	Nil	Nil	Nil	Nil	Nil
Citation Index - range / average	Nil	Nil	Nil	Nil	Nil
SNIP/SJR	Nil	Nil	Nil	Nil	Nil
Impact factor - range / average ? h-index	Nil	Nil	Nil	Nil	Nil

15. Details of patents and income generated :-NIL

16. Areas of consultancy and income generated:- Consultancy is provided on honorary basis .

17. Faculty recharging strategies:-Faculty development programmes, Orientation programmes, refresher courses, Seminar, workshop, field visits, Study tours. We had attended various seminars, workshop, Conferences, refresher course, study tour programs and field visits.

18. Student projects

	2010-11	2011-12	2012-13	2013-14	2014-15
percentage of students who have done in-house projects including inter-departmental	100%	100%	100%	100%	100%
percentage of students doing projects in collaboration with industries / institutes	nil	nil	nil	nil	nil

19. Awards / recognitions received at the national and international level by
   ✿ Faculty -Nil
   ✿ Doctoral / post doctoral fellows -Nil
   ✿ Students -Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl No	seminar/conference	Dates	Source of funding	Participants
1	State level Workshop on Organic Farming	29/10/2011	UGC	150

21.   Student profile course-wise:

Name of the course (refer question no.2)	Applications received	Selected Male	Female	Pass percentage Male	Female
Bsc honors (11-12)	39	05	09	100	
Bsc honors (12-13)	33	06	08	100	
Bsc honors (13-14)	57	02	11	Not Appeared	
Bsc honors (14-15)	52	05	12	Not Appeared	

22. Diversity of students

Name of the Course (refer question no.2)	% of student from the College	% of student from the State	% of student from the other State	% of student from the other Country
B.Sc.	10	90	NIL	NIL

23.   How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?
Bank PO-3,.OPSC-02

24.   Student progression

Student progression	Percentage against enrolled
UG to PG	35
PG to M.Phil.	15
PG to Ph.D.	10
Ph.D. to Post-Doctoral	
Employed	30
• Campus selection	
• Other than campus	
• recruitment Entrepreneurs	

24.   Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	100
from other universities within the State	Nil
from other universities from other States	Nil

26.   Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.
       Nil

27.   Present details about infrastructural facilities

       a) Library - No of Books 799 & Seminar library

       b) Internet facilities for staff and students :- provided at browsing center

       c) Total number of class rooms- 02

       d) Class rooms with ICT facility-Nil

       e) Students' laboratories-02

       f) Research laboratories-Nil

28.   Number of students of the department getting financial assistance from College;

29.   Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

30.   Does the department obtain feedback from
       a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
       ● Yes, followed the needful suggestion for the betterment of students
       b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
       ● Evaluation has been done for better understanding of students
       c. Alumni and employers on the programmes and what is the response of the department to the same?
       ● Yes, Department has organized alumni meet.

31.   List the distinguished alumni of the department (maximum 10).
       1.Preetam Samant, Guest Faculty, Talcher college
       2.Puspita Rout, CTO,BBSR
       3.Satyabrata Bhutia, S.I.(OPS)
       4.Ranjan Behera, MCL
       5.Santosh Samal,QCA, Carlsberg, Patna
       6.Lalit Mohan Behera,Tahasildar,Parjang

7. Ranjan Kar, Lecturer, Jirala College

8. Udayanath Sahoo, PGT, DAV School,Kalinga

9. Naresh Pradhan, Dena Bank,Gujrat

10.Bhaskar Ch Sahoo, Lect., Malyagiri College, Palallahara

32.   Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Sl No	Topics	Name	Designation and Address
1	Puberty to menopause and test tube baby	Dr.A.K.Behera	Sub-division Hospital
2	Common diseases in Talcher area	Dr. Nilamani Sahu	SDMO, Talcher
3	Modern Biology- Yesterday, today, tomorrow	Prof. Dr. A. K. Panda	Former Principal Ravenshaw College, Ctc.
4	Nematode Parasite	Dr.S.N. Panda	DAO, Talcher
5	Biotechnology and Enzymology	Dr.Tanuja Patra	Lect. in Zoology, N.K.Mahabidyalaya, South Balanda
6	Human body and health	Prof. Dr. P.K.Mohanty	HOD, Dept of Zoology, Vani vihar
7	Employebility through zoology education	Dr.S.N.Padhi	KB-DAV, Nirakarpur
8	Drug Abuse	Dr.R.N.Patra	Director, Hitech College, Bhubaneswar
9	Cultural technology using chromosomal & gene manipulating transgenic fish	Dr. S.K.Routray	SSD College, Bali

33. List the teaching methods adopted by the faculty for different programmes.
     Power point presentations are presented by faculties for different programs in Projector

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
     ●   Internal

35. Highlight the participation of students and faculty in extension activities.
     Students and faculties were participated in the extensive activities like Swine flu, Malaria, Dengue, Chicken Guinea, Afforestation, AIDS Program etc in nearby villages.

36. Give details of "beyond syllabus scholarly activities" of the department.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
     Reviewed by external Academic Audit committee

34. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department Strength

Strengths

     Well experienced faculty members
     Input of sincere students
     Seminars at regular interval
     Study tour and field study program

Weakness

     Less number of teaching staff
     Lack of smart class room
     Update lab facility

Opportunities

     Career enhancement of students
     Good results-a way for higher studies
     Job opportunities

Challenges

     1. Increase enrollment
     2. Enhance Industry institution interaction

3. Create infrastructure facilities for specializations

4. Expansion of extension activities

5. Initiating growth from Lab to land

35.   Future plans of the department.

   a) To introduce M.Sc. in Zoology

   b) Establishment of a biotechnology research lab,

   c) Analysis of ground water pollution

   d) Establishment of updated research lab

Post Accreditation Initiatives

Introduction:

The peer team assessed Talcher college, Talcher in 2006 and recommended the following for its future growth and development. Measures initiated by the college to implement them are as follows.

▶ Post graduate programme in Odia has been started by the college. Also in UG stage honours in Geology and Education was opened.

▶ The college is organising special coaching classes to prepare the students for national/state level entrance/competitive examinations.

▶ C' Certificate holders are encouraged to join up defence services.

▶ Girl students are provided self defence training.

▶ Computer science subject at UG stage has been opened and the department has been strengthened with computers and peripherals. All the departments have been provided with computer. Generator facilities have been provided for uninterrupted power supply. Students, teaching and nonteaching staff are encouraged to use computers and internet facilities.

▶ With the assistance of UGC, science laboratories have been strengthened with equipments.

▶ A new college canteen has been constructed.

▶ The college has launched its website

▶ The college has adopted teaching methods with LCD projectors/smart class rooms.

▶ A new women's hostel has been constructed with the assistance of UGC.

▶ Library has been computerised with e-granthalaya and steps have been initiated for linking with others. Office administration, accounts have been automated.

▶ Faculty members are pursuing research and are applying for MRP.

SWOC Analysis

Strength

‣ recognitions: Autonomous status, "B+' Grade accreditation from NAAC.
‣ Range of academic programmes.
‣ Well equipped laboratories for science subjects
‣ Classroom with LCD projector, Smart Classes.
‣ Library with well stacked books, journals and browsing facilities.
‣ Computer network and Wi-Fi facility.
‣ Gym facilities with16th station.
‣ CBCS and semester scheme

Weakness

‣ No appointment of teachers under grant in aid by Government since 1995
‣ Scarce availability of NET qualified staff
‣ Limited Autonomy
‣ Time constraint for co-curricular & extracurricular activities
‣ Lack of adequate hostel facilities

Opportunities

‣ To introduce new programs with more emphasis in skill component
‣ To start new PG programs
‣ To enhance linkages with industries
‣ To move to the status of college with excellence

Challenges

‣ Recruitment of teachers against Grant - in -aid vacancies
‣ Lack of clarity on autonomy among stakeholders
‣ Attracting Industrialists towards education institutions
‣ Retention of traditional programs along with innovative programs
‣ Attracting the youth to general education in the atmosphere of multiple diversion
‣ Construction of buildings

Annexure	Particulars	Page No
1	UGC recognition-2(f)/12(b)	
2	Permanent affiliation	
3	Autonomous status	
4	Recognition/approval of University	
5	Accreditation certificate/peer team report	
6		
7		

nāham manye suvedeti

    no na vedeti veda ca.

yo nas tad veda tad veda

    no no vedeti veda ca. (kenopanisad, 2-2)

[I do not think that I know it well ; nor do I think that I do not know
it. He who among us knows it, knows it and he, too, does not
know that he does not know.]