



UTKAL UNIVERSITY

SELF STUDY REPORT

for submission to
National Assessment & Accreditation Council

VOLUME - I



UTKAL UNIVERSITY

BHUBANESWAR

VISION:

To be a centre of excellence in higher education with an innovative focus on teaching, learning, research, consultancy and extension activities so as to help build a creative, enlightened and productive civil society.

MISSION:

- To provide the students with knowledge, skill, values and sensitivity necessary for a good citizen.
- To generate and disseminate knowledge through interdisciplinary research and creative inquiry for creating a meaningful and sustainable society.
- To equip the students with problem solving, leadership and teamwork skills and to inculcate in them a sense of commitment to quality, ethical behaviour and respect for others.
- To provide a platform for free flow of ideas and to create a climate which fosters discovery, creativity and professional development.
- To ensure academic excellence in this dynamic knowledge economy by exposing the students to new ideas, new ways of understanding, new ways of knowing in their intellectual and spiritual odyssey.



UTKAL UNIVERSITY

SELF STUDY REPORT

for submission to
National Assessment & Accreditation Council

VOLUME - I

CONTENTS

1.	Message of the Chancellor	01
2.	Preface	03
3.	Executive Summary	07
4.	SWOC Analysis	15
5.	Profile of the University	19
6.	Criteria-wise Analytical Report	31
	Abbreviation	

Dr. S. C. JAMIR
Governor, Odisha



RAJBHAVAN
BHUBANESWAR-751008



November 09, 2015

MESSAGE

I am glad to know that Utkal University is bringing out a publication detailing its profile, specific achievement and future plans for NAAC accreditation purpose.

Utkal University, known as the Mother University in the State, has a distinguished history. It has contributed immensely to the development of modern Odisha. The University has been served by many illustrious faculties. Its notable achievements in academics and research helped the University carving a distinct identity for itself.

NAAC accreditation is considered highly in the country for its quality benchmarks. It is a matter of pride to get the accreditation. As the Chancellor, I am hopeful that Utkal University will meet the requirements and get the recognition much to the delight of its students, faculties, staff and above all the people of Odisha. The publication will be a reflection of the potential of the University.

I wish the publication meets its purpose.


(S. C. Jamir)



PREFACE

Utkal University is the oldest and largest of all universities in the state of Odisha. It is a teaching, research and affiliating university with a large range of subjects taught, as well as number of students and colleges. Considering the diversity of people of Odisha, this university is a naturally inclusive institution. The faculty impart instruction in science, social sciences, the humanities, law, medicine as well as commerce and management. At the post-graduation level, the University caters to the learning needs of more than 6000 students and about 2.5 lakh students participate in the undergraduate programme at various affiliated colleges. Being one of the oldest universities, the learning –teaching outcomes at Utkal University have been consistently excellent as evidenced by the fact that our students have been highly acclaimed performers in national institutes (Department of Atomic Energy, Indian Space Research Organisation, CSIR), Indian Civil Service, Odisha Judicial Service, Indian Foreign Service etc. Alumni of this University have filled important positions in various missions in India and abroad and distinguished themselves in their chosen fields. Our students and our alumni are our main strength and a source of great pride for us.

In our effort at achieving excellence in the learning-teaching process, research, governance, and creating societal impact, self-evaluation is an essential first step. In this context, this self-study report intended for the second cycle of accreditation by NAAC is a measure of our understanding of the accreditation process. Our University performed reasonably well on all parameters securing above 80% in the last cycle of accreditation. The present self-study report is different from the earlier reports and has organised the evaluation according to the seven criteria as defined by NAAC. In addition, this volume also presents the University profile as well as SWOC (strengths, weaknesses, opportunities available and challenges) for the university

Volume II consists of self-study reports from various departments. The Appendices contain detailed information regarding the University Centres, library, sports council, NSS, Directorate of Distance and Continuing Education, College Development Council and placement activities. More details about departments, publications, list of seminars and conferences held have been reflected in the respective self-study report of the departments and will be available to the Peer Team during their visit.

I hope these reports provide a clear portrait of the University with regard to the seven essential benchmarks of higher education institutions and reflect our sincere efforts to grow into an Institute of Excellence.

I thank the NAAC Coordinator, Deputy co-ordinator, Chairmen of committees and all contributors without whose sustained effort these volumes could not have been prepared.

Asoka Kumar Das

Vice Chancellor



EXECUTIVE SUMMARY



EXECUTIVE SUMMARY

Established in 1943, Utkal University, Bhubaneswar is the 17th oldest University of India and the Mother University of the state of Odisha. It caters to the learning needs of about 1.5 crore people belonging to nine districts of the state. It is a teaching, research-cum-affiliating university offering 27 full-fledged regular Post-Graduate Departments and 17 Self Financing programmes within the campus and has 371 affiliated colleges covering faculties of Humanities and the Social Sciences, Science & Technology, Commerce and Management, Pedagogical Science (Education), Medicine including Ayurveda, Homeopathy and also Law. It has produced a large number of distinguished alumni belonging to all walks of life: Medicine, Law, Civil Services, Literature, Science, Politics and Journalism. The University aims to be a centre of excellence in higher education with a focus on innovative teaching, learning, research, consultancy and extension activities and contribute to building of a creative, enlightened and productive civil society. The affirmative actions on each aspect of this mission statement are described below:

Criteria-I: Curriculum aspect

- In keeping with international standards, the University has introduced CBCS (Choice Based Credit System) for all the courses offered in the campus and for courses offered through Autonomous Colleges. It is poised to convert the B.A, B.Com and B.Sc programmes to CBCS in its affiliated colleges w.e.f. 2016-17 to the CBCS mode. The syllabi define the learning goals and are unitized. Post-Graduate courses offered in the campus cover 27 regular subjects and 17 Self-Financing PG courses. The University also offers 2 Integrated PG programmes, namely, Integrated MBA and Integrated MCA and one PG Diploma course on Remote Sensing and GIS. The University's Distance Education Unit offers 24 courses including 3 continuing education programmes like PGDBIM, MCA and MBA in the face-to-face mode. Its Law Colleges offer 3 courses. In all, it offers 68 courses in the campus.
- The University adheres to model UGC curriculum both at UG and PG level allowing for 20% modification to serve local needs and keeping in view specialization of available teachers. For professional courses, it follows the guidelines of regulatory bodies like AICTE, MCI, Bar Council of India and NCTE, etc.
- During the last five years, the University has introduced the following courses: Masters in Public Health, Masters in Polymer Science, B.Sc in Nursing, Masters of Philosophy in Applied Psychiatry and Bachelor of Education for the mentally challenged in affiliated colleges. Need-based revision and updating the Syllabi and the curriculum structure including UG, PG, Self-Financing courses and most of the professional courses is a regular practice. Skill components have been incorporated into the syllabi. Presently, a massive exercise has been undertaken for skill definition and training in all the 27 Post Graduate Departments.
- To enhance flexibility, the University allows choice of free electives and credit gathering from outside the Department. Electives are offered both at UG and PG level. Value addition through Yoga, Sports, Cultural and Extension activities is achieved. It has introduced NCC as an elective which is unique in the country. The course fees for Self Financing Programmes range from Rs. 2,500/- to Rs. 20,000/- per semester depending on cost and demand.

- Inter-disciplinary content has been introduced in all most all subjects offered in the campus at PG level. Students are free to gather credit from allied subjects.
- The University collects feedback from all the stakeholders and suggestions for improvement are given due importance for implementation.
- The University promotes autonomy and there are now 15 Autonomous Colleges. It conducts academic audit for its own Departments and Autonomous Colleges. The Post Graduate Departments, Constituent Colleges and Directorate of Distance and Continuing Education enjoy a reasonably fair degree of autonomy within the system for academic and administrative purposes.

Criteria-II: Teaching-Learning and Evaluation

- Merit and inclusiveness are the hallmarks of our admission policy. Admission into Post-Graduate courses offered in the campus is based on career and entrance test. For M.Phil and Pre-Ph.D students, personal interview is conducted additionally. The State Government reservation policy for admission is followed at all levels. UGC guideline is followed for admission to the Ph.D programme. The entire admission process at the University has been computerized. The Govt. of Odisha has introduced a centralized online process for admission into 3year degree programmes offered through affiliated colleges and professional courses. MCA and MBA admission is based on Odisha Joint Entrance Test (OJEE).
- The distribution of student of the University is as follows: SC-16.25%, ST-22.50%, PH-3% and General- 43.25% including OBC/SEBC. The Male Female ratio is 42:58.
- The University meets the remedial needs through mentoring, and funds have been received from UGC on remedial coaching head. It extends the usual facility for the physically challenged. It has a special software for the visually impaired students.
- An Academic Calendar, a Teaching Plan and a Teaching progress monitoring system, etc. have been put in place. On an average, teaching days always exceed 200 days.
- Being a traditional university, lecture method here dominates the teaching of traditional subjects. Facilities like LCD projector and internet connectivity are available in all the Departments. Project and research components have been introduced in all departments. Seminars, assignments and quizzes have been integrated with the teaching-learning-evaluation process.
- The University has invited 205 distinguished academics to deliver talks during 2011-15. Open education resources are accessed through INFLIBNET and National Knowledge Network.
- The quality of University teachers have been ensured through adoption of UGC-prescribed API score system for recruitment and promotion. Out of 140 regular permanent teachers as on 19.11.2015, 128 hold Ph.D Degrees, 11 hold M.Phil / M.Tech Degrees and one holds a Master Degree. On an average, each teacher has guided 3 Ph.D and 9-10 M.Phil scholars. A number of teachers have obtained PG, M.Phil and Ph.D degrees from Central Universities/institutions of national importance. The University does not promote a culture of inbreeding.
- The University conducts timely examinations and publishes results for 3-year Degree and the PG programmes on time. As a result, it is now possible to adhere to the

academic calendar. However, a few examinations sometimes get delayed, but without disrupting the academic calendar.

- The Ph.D programme has been conducted as per the 2009 UGC-Guidelines and subsequent up-to-date directives.
- The D.Sc, D. Litt, And LLD guidelines have been revised.
- During the last five years, members various faculties have published 1,733 papers in national journals, 231 papers in international journal and 68 papers in conference proceedings, taking the average number of papers per member of faculty to 14+. Besides, teachers have published 59 books and 188 chapters in books. Out of the 27 PG Teaching Departments, 5 publish Annual Research Journals. The DDCE has been publishing a journal for the last nine years regularly and has published more than 100 books.
- As many as 49 Teachers serve in editorial boards of journals, and 52 serve as referees and reviewers in a large number of journals.
- The University has generated Rs. 39.84 lakhs from industrial consultancy from power aluminum, steel and coal sectors.

Criteria-III: Research, Consultancy and Extension

- Recognizing that research, consultancy and extension are essential components of higher education, the University has constituted a research committee as well as an R&D committee to address all the issues related to research. Faculty members of the Departments are encouraged to get projects from various funding agencies. The projects are generally individual as well as Departmental, in which faculty members are involved individually as well as collectively at the National and International levels. Both curiosity driven and mission-mode research are being carried out. Interdisciplinary research among faculty members is actively encouraged. Several Seminars, Conferences, Symposia, workshops, Refresher courses and Orientation programmes have been organized during last five years. Eminent researchers are regularly invited by the Departments for delivering lectures on frontier areas of research and interaction with the students. This has immensely enriched the academic life of the University, and students have also got motivated to pursue higher studies.
- The University has a two tier system, Subject Research Committee and University Research Committee, for monitoring its doctoral and post-doctoral research programmes.
- Most of the PG teaching Departments are recognized under UGC-SAP programme and receive funds. The University is recognized under DST-PURSE programme and three Departments namely, Physics, Botany and Geology are recognized under DST-FIST programme.
- Apart from this, research work is also carried out under individual projects funded by National agencies such as UGC, DST, DAE, DBT, ICSSR, ICHR etc. The research output is regularly published in reputed peer-reviewed journals.
- There has been a substantial improvement of research facilities in terms of laboratories, equipment, computers, internet connectivity, library e-journals over the last five years. Every Department has computers and internet facilities for the faculty

members and students. Science Departments have research and teaching laboratories with a number of sophisticated equipment. The State Govt. has already sanctioned Funds for the civil construction of a Centralized Instrumentation Centre. CPWD has been given the responsibility of the construction and State Government will also provide additional grants for procuring equipments in the second phase. Bhubaneswar being the knowledge hub, the University has entered into formal and informal collaboration with nearby national institutions like CIPET, ILS, IOP, NISER, IIT, OUAT, IMMT etc. and the equipment available there are also used by the researchers of the University. Faculty members regularly take part in the seminars, symposia, workshop held in the above institutions. Students are also encouraged to attend the public lectures by eminent scholars, delivered at the above institutions.

- Outcomes of research work carried at various Departments are regularly published in the leading peer-reviewed journals, conference proceedings and books. The average impact factor for the papers from Science Departments is in between 2-3 and some Departments have a citation index of more than 400. Faculty members get invited as Visiting Scientists and Visiting Professors by leading National and International Institutions and Organizations.
- Members of faculty have also received the prestigious Humboldt Fellowship, Max Planck Institute Fellowship, CERN Fellowship, EMINTE Fellowship etc. They serve in National advisory bodies and they have chaired sessions in prestigious National and International conferences. Interdisciplinary research work is very much encouraged and collaboration with other national and International Institutes is promoted. Faculty members have received recognition as UGC research awardees, ICTP associateship, IUCAA associateship, Samanta Chandra Sekhar awardees, Young Scientist award, Best research paper award, Sahitya Academy award etc. Faculty members have been on various important committees of the State and the Country. They have rendered their services gratis as expert consultants.
- Faculty members and students of various Departments have been involved in relief work during natural calamities. Alumni meetings and popular lectures are organized.
- Financial help to the students of disadvantaged sections is provided by the alumni.
- Faculty and students take active part in Swachh Bharat Abhiyan along with the NSS volunteers, Bhubaneswar Municipality Corporation and CRPF personnel.
- We encouraged and guide school children during their visit to our science laboratories and departmental museums. Some faculty members also visit local schools and interact with the students. Debate, Essay and GK competitions among students are organized.
- Faculty members are involved in collaborative research with various national and International Institutions. The collaborations have resulted in significant joint research publications in leading peer-reviewed journals.
- Though research, consultancy and extension activities occupy a central place in the academic vision of the University, a continuous effort is made to integrate the outcomes into the learning-teaching process. In addition, efforts are being made to open multidisciplinary centers of excellence in the university to work on national and international thrust areas. Similarly, attempts at raising the present levels of

consultancy and extension activities to a higher level through the setting up entrepreneurship training centers, centers of excellence in sociological sciences and business incubation centers are being made.

Criteria-IV: Infrastructure & Learning Resources

- The University spreads over 397.806 acres of Lush Green campus area. Out of 40 blocks of buildings, 26 blocks are designated for teaching (PG Departments, two Law Colleges and one Distance Education Unit). Other blocks include Administrative Block, Health Centre, Banks, Post Office, Guest House, Auditorium, Gymnasium, Indoor Stadium, UGC-HRD Centre, Computer Centre, Canteen and Students Union Office. There are 12 hostels with accommodation for 2307 women and 2297 men and 603 residential quarters inside the campus.
- The University during last five years has undertaken massive renovation and repair of aging buildings. It is also adding new buildings to house a Digital Library, Central Instrumentation Facility and Annex Building for the library.
- The University has a Central Computer Facility with a fairly adequate IT infrastructure for academic purposes. There is an E-Library resource centre both for faculty and students. Besides, it has two computer centers dedicated to processing the examination results. It has not outsourced any aspect of the tabulation and examination management system.
- The library building has six floors spreading over 30,000 sq. ft. floor space. It has 2,51,663 books and it is managed by 46 employees. It has a rich collection of 5,800 palm-leaf manuscripts and 236 journals. It remains open for 12 hours on working days and for 6 and a half hours on holidays. As a part of INFLIBNET, it has provided access to about 20 online journals. The library has been automated (stock, accession, search, bar coding etc.) and issue-return process is online. The University has spent Rs. 59,11,816 on Books and Journals during the last four years. Besides the Central Library, each PG department has a rich Seminar Library which remains open 24 x 7 in several departments and managed by the students.
- The University has a health center of its own with 3 full-time doctors, 6 observatory beds, an ambulance and 5,342 sq. ft. floor space. The annual non-salary budget is more than Rs.11, 000,00.

Criteria-V: Teaching-Learning and Evaluation

- The University has student-mentoring system, where each student is assigned to a teacher for academic and career-related counselling. The student prepares for his/her seminar, project and other activities in consultation with the teacher. The progress of students is monitored through seminars, surprise tests, mid-term examinations, result in semester examinations, debates, their interest in research activities and competitive examinations.
- The University provides usual assistance to SC, ST, differently abled, minority communities and wards of mining/bidi/construction labourers. The state and central government assistance is now directly transferred to the students' savings accounts. All women, SC, ST and differently abled students enjoy complete tuition fee waiver. Differently abled students are provided free lodging and boarding facilities.

- There is an active placement cell functioning in the University which facilitated placement of 516 students during last five years in campus selection. Further, more than 50% of the students have found employment and 30% of the students have taken up research as a career during the same period. The placement cell also seeks to improve the employability of students.
- There is a centralized Alumni Association in the University. Besides, almost all Departments have their own alumni associations. They meet at least once a year. They help in the placement and contribute financially for the betterment of the departments. A few batch wise associations are also active.
- The School for women's studies of the University, created and managed with UGC assistance has been working for empowerment of women. There is also a Centre for Ambedkar studies, which works for empowerment of dalits and the marginalized.
- On an average, 29.46% Post-Graduates take up research as a career and about 50% opt for employment. During last 5 years, 14% joined the civil service, 550 qualified in NET/GATE etc. and 779 were placed through UPSC and OPSC. Besides, 892 students are placed in various corporate, banks, NGOs and MNCs through placement services offered by the university.
- During the last five years, the number of Ph.D awarded are as follows: 2010-11: 193, 2011-12: 230, 2012-13: 219 and 2013-14: 258.
- A new initiative in redefining employable skills at the PG level was undertaken through skill-based workshops held in all Departments. This will certainly help in improving the employability of the students.
- Organisation of normal and special camps through the NSS units is a regular phenomenon. Blood donation camps, cleaning camps, plantation programmes, leadership camps and awareness campaigns are organized by the NSS. It has adopted seven villages which are regularly visited by the volunteers for various activities.
- The University has an active sports and culture unit. It has organized three inter-university events on behalf of AIAU. The University has adequate sporting facilities including indoor and outdoor stadia. 735 students have represented Odisha in various games and sports at national levels during the last five years. Eight students have represented India in various fields.

Criteria-VI: Governance, Leadership and Management

- Sensitive, effective and empathetic governance is the element essential for a world class university. The Utkal University was established in 1943, fulfilling the aspiration of Odia-speaking people after the formation of Odisha as a province in 1936. It was hoped that the University would create an intelligentsia which would lead the state to economic progress, remove poverty and ignorance and utilize its rich natural resources.
- The University has fairly succeeded in achieving the dreams, aspirations and objectives of the founders. Originally starting as an affiliating University with just three colleges, in spite of reduced territorial jurisdiction, it now offers 142 courses in faculties such as Humanities and Social Sciences, Science and Technology, Medicine, Law, Education and Commerce and Management in the campus and in the affiliated

colleges. It has 27 PG Departments, 3 constituent colleges, 17 Self Financing courses in the campus and has 371 affiliated colleges.

- The University is administered as per the provisions of act and statute with the Vice Chancellor as the Chief Executive officer. The University is administered through numerous bodies and committees of experts and professionals. The University is student-centric and teachers-driven.
- The University has identified areas of weakness and improvement and has chalked out a prospective plan for reform and changes, academic, administrative and financial.
- The University is developing a robust feedback mechanism for the collection and analysis of feedback and for taking corrective measures.
- The University is beset with severe financial constraints, outdated financial rules and is unable to enhance the students' tuition fees.
- There is an urgent need to make every aspect of governance technology-enabled.
- Leadership development must become part of the governance mechanism in the University.

Criteria-VII: Innovation and Best Practices

- The University has conducted green audit and power audit. It has planted 19,000 trees during 2011-15 and carried out cleaning drives regularly. It has developed a pond in a low lying area for harvesting rain water and recharging ground water.
- The twenty-first century is the century of innovations. The Utkal University has recently introduced the following new ideas:
 - Allowing students of one PG Department to gather credit from another Department during the third semester.
 - Introduction of online form fill up, issuance of University Registration Number, Hall Ticket, Provisional certificates and Mark sheet for the 3-year Degree Examinations benefiting more than 1.5 lakh students is a landmark achievement. Introduction of QR code on the mark-sheet and provisional certificate has also made verification easy. This needs to be extended to all examinations.
 - Introduction of CBCS for PG courses and autonomous colleges w.e.f 2013-14 and 2015-16 respectively.
 - Introduction of new curriculum structure and syllabus as per UGC modern curriculum. Updating the 3-year degree and PG course has improved our quality.
 - Massive plantation exercise and cleaning exercise has created a better learning ambience.
 - Electronic transfer of funds and escrow account for Self financing courses has benefited the students.
 - Automation of the library has positive impact.
 - Renovation of ageing building, the administrative block, old arts block and the hostels have created an environment more conducive to learning.
 - Introduction of NCC as an elective at the 3-year Degree programme. Ours is the first University in India to do so.
 - Promotion of autonomy for 15 colleges.

- Many students volunteer to teach the children of the under privileged sections of the society free of cost.
- A roof-top garden has been developed by the students of Physics and the plants are taken care of by the students.

The Best practices introduced by the university are as follows:

- Publication of the results of the examinations for three year degree courses by 30th April for the last two years. It has enabled our students to seek admission in the top Universities of India and enabled us to commence the PG academic session by July. We have also been able to complete the academic calendar including publication of results by June-July every year for the PG Departments.
- Clean, green, well maintained physical infrastructure and increased ICT application in teaching, learning and administrative process.
- Introduction at CBCS at PG level (2013) and Autonomous College (2015) and Affiliated Colleges (2016) along with the new curriculum in tune with UGC model curriculum is a giant step in quality initiative.
- Alumni members of the Departments financially support the needy students and help in enriching the infrastructure of the Departments.
- Seminar library in the Departments are managed by the students even on holidays.
- Field trips are organized to interact with the vulnerable sections of the society and efforts are made to help them improve the quality of their life.
- There is a reading group in the department of English known as “ARIEL” (Ardent Readers and Interpreters of English Literature) which meets on a monthly basis.
- Members of the School of Women Studies are engaged in socio-economic development of women and children of the slum areas.
- Gender sensitization programme is a common feature in our course curriculum.
- As interns in the central library, students are trained in Manuscript collection and preservation techniques.



SWOC ANALYSIS



SWOC ANALYSIS OF UTKAL UNIVERSITY

Strengths

- 73 years old University, mother University of the state of Odisha and the 17th oldest University of undivided India, enjoying high reputation, and goodwill from all sections of society.
- Located in the state capital Bhubaneswar, a tier-II city, fast emerging as a destination for IT and service sector corporate houses, a city known for its rich cultural heritage spanning 2000 years. It has a campus spread over 400 acres in the heart of the city. It is green and clean and can easily cater to the needs of the coming century. Our physical infrastructure is our strength.
- We are a multi-faculty University, a teaching and affiliating institution. We have been offering Self Financing programmes for the last two decades. We have ample freedom in designing new curricula. We are certainly the academic leader of the state. The wide range of programmes under various faculties is a distinct advantage.
- Our students and teachers, present and past, are our greatest asset. Our alumni occupy high positions in every walk of life: academics, civil service, politics, literature, culture, science and business. Teachers who taught here in past were academic doyens of the country and the state. Teachers who currently teach here have distinguished themselves in their own fields. Its excellent human resources hold the key to a bright future.
- Stable political ambience in the state coupled with dynamic and visionary state leadership of the University is conducive to teaching-learning.

Weaknesses

- Resource constraints, dwindling state support for higher education, inability of our students to pay higher fees and aging infrastructure constitute our greatest weakness.
- Emergence of specialized universities for women, agriculture, technology, open education etc is narrowing the University of its range of academic programmes. There is further possibility of specialized universities for medicine and teacher education etc. We would be left with humanities, social sciences, and pure sciences only.
- Dwindling numbers of students in traditional courses and the inability of meritorious students to join Self Financing programmes courses also hinder our growth.
- The University cannot operate in isolation of the civil society. Increasing politicization of students' affairs is also a part of our general weakness.
- Vacancies in teaching and non teaching positions, bureaucratic delays and state government policies and non-promotion of employees are also our limitations.

Opportunities

- We can rise to national and international level through excellence in teaching, learning, research, consultancy and extension.
- We can generate resources through increased engagement with the corporate world, government and civil society as a whole.
- We can offer a new range of academic programmes in emerging areas and offer job oriented courses under Self Financing programmes. Employability, skill upgradation and excellence should be our new focus. Partnership, exchange, innovation, re-engineering are to become our new ideals.
- Improved leadership filtering down to the grassroots level and the use of technology can make us agents of change.

Challenges

- We have to be on our guard against the obsolescence in technology, non-removal of dead wood, out-dated curriculum and non-renewal of our infrastructure that would become irrelevant for the society.
- Language competence particularly in English and limited ICT access would deprive our students of international exposure and competency. The coordination of linkages with secondary, senior secondary and graduate level has to be built, otherwise our PG and research initiatives would not bear fruit.
- Lack of initiative and attitudinal problems of our stakeholders, if allowed to continue, the University cannot meet the needs of the future.
- Generating resources independently of government sources is also a challenge. Without resources the University cannot retain quality manpower. We cannot create state-of-art facilities for our teachers and students without adequate resources.
- Increasing competition from private universities and deemed universities is a new challenge. Arrival of foreign universities in coming days shall pose a greater challenge.



UNIVERSITY PROFILE



UTKAL UNIVERSITY

Profile of the University

1. Name and Address of the University:

Name:	UTKAL UNIVERSITY		
Address:	VANI VIHAR, BHUBANESWAR		
City: BHUBANESWAR	Pin: 751 004	State: ODISHA	
Website: http://www.utkaluniversity.ac.in			

2. For communication:

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Prof. A.K. Das	O:0674-2567700 R:0674-2567240	+91 94370 15893	2567850	vc@utkaluniversity.ac.in
Pro Vice Chancellor (s)	NA	O: NA R:	NA	NA	NA
Registrar	Dr S.K. Das	O:0674-2567387 R:0671-2442627	+91 94370 08052		registrar@utkaluniversity.ac.in
Steering Committee/ IQAC Co-ordinator	Prof. R.K. Bal	O:0674-2567654 R:0674-2470278	+91 94370 77178		chairman@utkaluniversity.ac.in

3. Status of the University:

- State University
 State Private University
 Central University
 University under Section 3 of UGC (Deemed University)
 Institution of National Importance
 Any other (please specify)

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

4. Type of University:

- Unitary
 Affiliating
 Teaching

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

5. Source of Funding:

- Central Government
 State Government
 Self-financing
 Any other (please specify)

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

6. a. Date of establishment of the university: 27/11/1943 (dd/mm/yyyy).

b. Prior to the establishment of the university, was it a/an: NA

- | | | | | |
|------------------------|-----|--------------------------|----|--------------------------|
| i. PG Centre | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
| ii. Affiliated College | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |

- iii. Constituent College Yes ☐ No ☐
 iv. Autonomous College Yes ☐ No ☐
 v. Any other (please specify)

If yes, give the date of establishment..... (dd/mm/yyyy)

7. Date of recognition as a university by UGC or any other national agency:

From the date of establishment of UGC

Under Section	dd	mm	yyyy	Remark
i. 2f of UGC*				
ii. 12B of UGC*			1943	Recognized as University Under Section 12B of UGC
iii.3 of UGC #				
iv. Any other ^				

* Enclose certificate of recognition.

Enclose notification of MHRD and UGC for all courses / programmes / campus / campuses. The Utkal University is recognized by UGC under section 12B of UGC.

^ Enclose certificate of recognition by any other national agency / agencies, if any.

Utkal University is recognized by National Assessment and Accreditation Council (NAAC)

8. Has the university been recognized

a. By UGC as a University with Potential for Excellence?

Yes ☐ No ☐

If yes, date of recognition: (dd/mm/yyyy) as per 12B of UGC.

b. For its performance by any other governmental agency?

Yes ☐ No ☐

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

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

9. Does the university have off-campus centres?

Yes ☐ No ☐

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

date of recognition:..... (dd/mm/yyyy)

However a constituent Law college is located at Cuttack.

10. Does the university have off-shore campuses?

Yes ☐ No ☐

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

date of recognition:..... (dd/mm/yyyy)

11. Location of the campus and area:

	Location* Bhubaneswar	Campus area in acres	Built-up area in sq. mts
i. Main campus area	URBAN	397.806	1490323.15 sq mts
ii. Other campuses in the country	URBAN	6.047	
iii. Campuses abroad	NA	NA	NA

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify))

If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

12. Provide information on the following: In case multi-campus University, please provide campus-wise information.

i.	Auditorium/seminar complex with infrastructural facilities (01)			Yes
ii.	Sports facilities			
	a.	Playground (Football, Hockey, Kho-Kho, Kabaddi, Athletics and Tracks) - (02)		Yes
	b.	Swimming pool		No
	c.	Gymnasium - (02)		Yes
	e.	Cricket Stadium		Yes
	f.	Indoor stadium with Badminton Court		Yes
	g.	Basket Ball ground		Yes
	h.	Volley Ball ground		Yes
iii.	Hostel			
	a.	Boys' Hostel		
		1.	Number of hostels	06
		2.	Number of inmates	1500
		3.	Facilities	
		-	Mess and Dining halls	Yes
		-	Indoor games	Yes
		-	Reading room	Yes
		-	TV Room	Yes
	b.	Girls' Hostel		
		1.	Number of hostels	06
		2.	Number of inmates	1400
		3.	Facilities	
		-	Mess and dining halls	Yes
		-	Indoor games	Yes
		-	Reading room	Yes
		-	TV Room	Yes
	c.	Working women's hostel		NA
		i.	Number of hostels	NA
		ii.	Number of inmates	NA

	iii.	Facilities	NA
		Residential facilities for faculty and non-teaching	
	a.	Quarters for Teaching Staff-138	Yes
iv.	b.	Quarters for Non-Teaching Staff-465	
v.		Cafeteria (Two canteens and Number of teashops operate within the campus. Food vendors are also allowed into the campus)	Yes
vi.		Health centre - Nature of facilities available- 3 doctors are placed in the University Hospital on regular service. Besides the services of specialists on part time basis are hired.	Yes
	1.	Inpatient	No
	2.	Outpatient	Yes
	3.	Ambulance	Yes
	4.	Emergency care facility	Yes
	5.	Pathological lab	Yes
	6.	Specialists' clinics	Yes
vii.	1.	Banking (3 branches(SBI-01 and Syndicate-02) with 4 ATMs(SBI-01, ICICI-01, Syndicate-02)	Yes
	2.	Post Office with one sub-Post Office	Yes
	3.	Book shops(Newspaper and Magazine Shop)	Yes
viii.		Transport facilities to cater to the needs of the students and Staff (Town bus facility is available up to University Gates. The national highway connecting Kolkata with Chennai runs in front of the University. 3wheelers and cycle rickshaws operate in the campus. The Vani Vihar railway station is 2 KMs away.)	Yes
ix.		Facilities for persons with disabilities(1 ramp staircase and no. of ramps)	Yes
x.		Animal house (Rat and Mouse)	Yes
xi.		Incinerator for laboratories	No
xii.		Power house(A grid substation is located in the University campus. Number of Transformers-1, Diesel Genset-1)	Yes
xiii.		Waste management facility (Managed by Bhubaneswar Municipality)	Yes
xiv.		Guest House(12 rooms with accommodation for 20 people)	Yes

13. Number of institutions affiliated to the university:

Type of colleges	Total	Permanent	Temporary
Arts, Science and Commerce	307	181	126
Law	11	10	01

Medicine (Including Nursing)	21	03	18
Engineering			
Education	06	04	02
Management	34	01	33
Other (specify and provide details)			

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University

Yes ☐ No ☐ Number

15. Furnish the following information:

	Particulars	Number	Number of Students
a.	University Departments	27	
	Undergraduate	---	---
	Post graduate	27(Regular) 17 (SFC)	2579 534
	Integrated P.G.	02 (SFC)	600
	P.G Diploma	01 (SFC)	09
	M.Phil	23	204
	Ph.D	31	622
	Total		4158
b.	Constituent colleges	03 University Law College MS Law College DDCE	556 1045 10,076
c.	Affiliated colleges	371	1,80,000
d.	Colleges under 2(f)	05	3,068
e.	Colleges under 2(f) and 12B	164	1,34,319
f.	NAAC accredited colleges	04	Figure given under affiliated colleges
g.	Colleges with Potential for excellence (UGC)	07	20,455
h.	Autonomous colleges	15	37,853
i.	Colleges with Postgraduate Departments	32	3,108
j.	Colleges with Research Departments	NIL	NIL
k.	University recognized Research Institutes / Centres	19	74

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes ☐ No ☐

If the university uses any other nomenclatures, please specify.

17. Academic programmes offered by the university departments at present, under the following categories:

Programmes	Number
UG	NA
PG - 27(regular)+17 (SFC)	44
Integrated Masters	02
M.Phil.	23
Ph.D.	
University Departments [Regular(27) + SFC(04)]	31
Nodal centers recognized by University	19
Integrated Ph.D.	NIL
Certificate	NIL
Diploma	NIL
PG Diploma	01
Distance Education(UG-02,PG-14, PG Dip.-07, Integrated PG-01)	24
University Law College and M.S Law College (LLB-01, Int. LLB-01, LLM- 01(HR))	03
Total	142

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

University's office	273
Teaching Departments	238

19. Number of teaching days during the past four academic years. Specify years

	Academic Year			
	2011-12	2012-13	2013-14	2014-15
No. of Teaching Days	200	202	201	202

(‘Teaching days’ means days on which classes were engaged. Examination days are not to be included)

20. Does the university have a department of Teacher Education?
Eight affiliated colleges of the University are having department teacher education.

Yes ☐ No ☐

21. Does the university have a teaching department of Physical Education?
Two affiliated colleges of the University are having teaching department of physical education.

Yes ☐ No ☐

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered? NA

Yes ☐ No ☐

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

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

Yes, The University has been reviewed from time to time by regulatory authorities such as UGC, NAAC, DST, DBT and State Government Agencies. Necessary actions have already been taken as per the recommendations of the reviewing authorities.

24. Number of positions in the university

Position	Teaching faculty			Non- teaching staff	Technical staff
	Professor	Associate Professor/ Reader	Assistant Professor/ Lecturer		
Sanctioned by the UGC / University / State Government	46	77	134	Group A = 13 Group B = 114 Group C = 644 Group D = 439 Total = 1210 (Inclusive of technical staffs)	
<i>Recruited(including CAS)</i>	39	44	57	382	192
<i>Yet to recruit</i>	28	41	48	636 (including technical)	
Number of persons working on contract basis UGC XI Plan (2010-12)		01	11	01 Contractual teacher in University High school	

Note * - 108, Non – teaching Post regularized, and not included under block grant and receiving salary from University own source.

25. Qualifications of the teaching staff

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt./Ph.D.	31	8	32	12	32	13	128
M.Phil./M.Tech					4	7	11
PG					1	0	1
Temporary teachers							
Ph.D.					8	6	
M.Phil.						5	
PG					2		
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

26. Emeritus, Adjunct and Visiting Professors.

	Emeritus	Adjunct	Visiting
Number	10	0	25

27. Chairs instituted by the university:

School / Department	Chairs
Economics	RBI Chair (01)
Anthropology	Haldane Chair (01)

28. Students enrolled in the university department during the current academic year, with the following details:

Students	UG	PG		Integrated Masters		M.Phil.		Ph.D.		PG Diploma	
		M	F	M	F	M	F	M	F	M	F
PG admission	NA	425	658	63	57	86	136			09	-

PG readmission	NA	397	634	189	222	-	-			-	-
Sponsored admission	NA	190	160								
Sponsored readmission	NA	124	150								
Total		1136	1602	252	279	86	136	273		09	-

Total Male (M) = 1483 nos. , Female (F) = 2017 nos.

Total Students = 3773 nos.

29. 'Unit cost' of education

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

(a) including the salary component = 68903.496

(b) excluding the salary component = 46423.391

30. Academic Staff College

Year of establishment 1987	
Number of programmes conducted	
UGC Orientation	08
UGC Refresher	53
University's own program	Nil
*Short Term Courses	15
*Winter School	01
*Summer School	03
Total	80

31. Does the university offer Distance Education Programmes (DEP)?

Yes ☐

No ☐

If yes, indicate the number of programmes offered.

24

Are they recognized by the Distance Education Council? YES, the Distance Education

Programme are recognized by DEC.

32. Does the university have a provision for external registration of students?

Yes

☐

No

☒

If yes, how many students avail of this provision annually?

33. Is the University applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

YES

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: **31st October, 2003**.(dd/mm/yyyy), Accreditation outcome/result. **B++**

Cycle 2: (dd/mm/yyyy), Accreditation outcome/result.....

Cycle 3: (dd/mm/yyyy), Accreditation outcome/result.....

Cycle 4: (dd/mm/yyyy), Accreditation outcome/result.....

*kindly enclose copy of accreditation certificate(s) and peer team report(s).

35. Does the University provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated/constituent/autonomous colleges under the university.

Four (04) affiliated colleges have valid NAAC accreditation. Several other colleges are awaiting visit.

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC		
IQAC	02/08/2005	(dd/mm/yyyy)
AQAR		
AQAR (i)	19/10/2015	(dd/mm/yyyy)
AQAR (ii)	19/10/2015	(dd/mm/yyyy)
AQAR (iii)	19/10/2015	(dd/mm/yyyy)
AQAR (iv)	19/10/2015	(dd/mm/yyyy)
AQAR (v)	19/10/2015	(dd/mm/yyyy)

37. Any other relevant data, the university would like to include (not exceeding one page).

- The University is the 17th oldest University in India and the Mother University in the State of Odisha.
- It now caters to the learning needs of about 1.5 crore people belonging to nine districts of the state in the higher education sector.



CRITERIA-WISE ANALYTICAL REPORT



CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 Academic programmes vis a vis Institutional mission and vision:

Soon after the formation of the separate state of Odisha in the year 1936, the Utkal University came into being in the year 1943. It is the mother of all universities in the state. In a way, its emergence marked the culmination of the academic aspiration of an educationally backward region of the then India. Since then, the Utkal University has been serving the cause of Higher Education in Odisha and fulfilling the aspirations of millions of needy but meritorious students to achieve their personal ambitions and professional goals. Besides being a multi-faculty one, it is the largest affiliating University of the state. Our vision is to transform it into a center of excellence in higher education with focus on inclusiveness, innovative teaching, learning, research, consultancy and extension activities towards building a creative, enlightened, enterprising and productive human resource for our society. The University also continues to be at the forefront of higher education movement in Odisha.

The academic programme offered by the University generally reflects the vision and mission of the University in its curriculum content design and delivery mechanism. The broad qualities promoted by the University includes: scientific attitude, rational approach, awareness about India and the World, environmental awareness, Unity in Diversity and general intellectual inputs. The second level of objective relates to content knowledge and skills under various faculties. At the post graduate level and beyond, the objective of the university is to produce subject experts and research aptitude. At the doctoral stage and beyond, our objective is to create knowledge. In the last 70 years, we have succeeded in creating an elite within Odisha and we have contributed to every walk of life. Excepting three chief ministers all other chief ministers of Odisha were alumni of this University. We are the largest contributor to BARC and TIFR. These substantiate that the Utkal University's curriculum has produced both generalists and experts. Presently i.e. between 2013-2015 the post graduation and graduate programme curriculum has been revised completely in tune with the UGC model curriculum. Our curriculum broadly conforms to the national goals and our regional aspirations.

The specific steps that have been adopted include the following:

- Design and review of curriculum that is in consistency with the needs of the day and adaptive to the new demands. Major curriculum review and upgradation is undertaken every three to five years.
- Subject specific skills at the PG level are included in the curriculum to enhance the employability and research potential of the students.

- As an essential learning resource both in coursework and research, a distributed library system has been provided. Well stocked departmental libraries with more than 5000 books per library are available for easy and quick reference. In addition, the central Parija Library caters to general as well as specific requirements of all students. Recently, initiatives towards creation of small utilitarian libraries in hostels have also been initiated.
- Electronic resources including journals, books and other sources like dissertations are also essential for learning and research. Inflibnet of National Knowledge Network is available both at the Department and library providing Journals. A proposal for subscribing to e-resources like Proquest complete is being undertaken.
- To equip the students with state of art knowledge, skill, freedom of choice, and parity with global education, Choice based credit system (CBCS) has been introduced since 2013 academic session in PG and from 2015 session in UG courses. In introduction of CBCS, Utkal University has been the leading state university to do so and provided the core UG syllabus for the entire state.
- The Human Resource Development Centre actively retrains and conducts refreshers courses throughout the year for faculty of PG in the university and UG in affiliated colleges. The number of training hours during last year has been 2118 Hours.
- All the departments are ICT enabled and have at least one classroom equipped with projectors
- Project work, regular seminars and field work (as required) are part of the activity of every Department
- In the major faculty like science, mathematics, commerce and management, language and social sciences interdisciplinary research is undertaken and encouraged.
- National and state level seminars, skill development programs, MDPs are conducted for capacity building in student and faculty.
- The university has introduced courses on Culture, Heritage, and Environment at various levels of study as per UGC guidelines.

1.1.2 Process Leading to Curriculum Design and implementation

The University Syllabus of study is reviewed and revised in approximately three year cycle following a set procedure. The process is initiated by the Controller of Examinations, who starts the deliberations through the post graduate council (PGC). The Board of studies (BoS) is in place for each subject that deliberates on the feedback received from various stake holders regarding content and structure of Research, Post-Graduate and Under-Graduate courses. It is headed by a Chairperson who is elected amongst the members. The Members of

Board of studies are nominated by the Vice Chancellor, on behalf of the Syndicate and consist of teachers from the Department concerned and experts from other Institutions and Industry. The BoS processes all academic matters including the design and development of the curriculum for its respective area after wide ranging consultation amongst all stakeholders as well as the state Government and UGC directive if any. The Subject Research Committee, the Principals' conference and the Departmental Teachers' council also provide their input. The recommendations are then submitted to the Academic Council of the university with members from all faculty as well as representative from affiliated colleges. After being discussed at academic council and if found viable, the Course curriculum is sent to the Syndicate for its approval. After its approval, the proposals are implemented. One of the good case studies is introduction of Choice based credit system (CBCS) in the university. For the post graduate courses there was wide ranging discussions through the post graduate council of Utkal University during 2011-12 and a framework was prepared. Based on the framework, the PG Departments prepared a syllabus which then was referred to the BoS for consultation. In case of Undergraduate (UG) courses, the process was initiated by Utkal University and then all general state universities of Odisha as well as the Department of Higher Education (DHE) represented by the Honorable Minister and Secretary were part of the consultation. Various meetings were held at Utkal, Berhampur, Fakir Mohan universities and both the framework as well as content of CBCS were finalised. Syllabus in each individual subject was put on the website of the University as well as DHE for inputs from stake holders. Two principals' conferences were organized at Utkal University for discussions and facilitation. After wide ranging discussions, as the first phase CBCS has been introduced in all the Autonomous colleges of the state. CDs were prepared and circulated to all Autonomous colleges.

Our University act and statute prescribe a well defined process for designing and developing a curriculum. The university goes beyond this even. The Academic Council is expected to define the broad curriculum structure. The board of studies prescribes the detailed syllabus which in turn is again considered and approved by the academic council. The faculties consisting of the senior teachers do the mapping of need assessment and suggest new courses and curriculum. The Academic Council is the highest decision making body. Besides, there is statutory Regulation Amending committee which frames regulations for all courses. In 2003 the curriculum structure were revamped. As many as 7 conferences were conducted at various universities of Odisha to develop the structure. This was again revisited between 2011-2015 and an equal number of workshops and conferences were held. The principals, teachers, officers of Govt. of Odisha, various teachers' associations, students and university officers were all involved. A new structure of PG under CBCS came into force in 2013. A new structure under CBCS for autonomous colleges came into force in 2015. A new structure for affiliated colleges will become effective from 2016. The formal feedback in a prescribed performa was obtained. All stakeholders were consulted and involved. The new structure has

been annexed vide annexure 1.1.2.

1.1.3 Ensuring the significant operational aspects ensured through curriculum design and development

- **Employability**

The course formulation largely follows the UGC prescription that has employability as one of the major objectives. In addition, changes are incorporated specific to the strengths and weaknesses of local students and local requirements. The needs of society, industry and R&D institutions are major considerations that go into the design and restructuring of courses. Incorporation of skill based courses, inclusion of Computational as well as communication based capacity building are few examples.

Earlier our focus was to prepare our students generally for higher studies and employment. Now the focus has shifted to prepare students for specific sectors of employment. We have introduced over the years a number of professional courses like MBA, MCA, M. Pharm, PG Diploma in Banking and Insurance Management, PG Diploma in GIS and Remote sensing, MSc in Fisheries and aquaculture, M.Sc. in Microbiology, MBA financial management, PMIR etc are preparing students directly for specific professions.

- **Innovation**

Courses needing innovation like commerce, agri management, computer science and applications and natural sciences have a basic project requirement for innovative thinking under mentoring from faculty. In addition, the university is continually carrying out innovative concepts in learning-teaching-research activities. Involvement of library science students in work related to Parija library, manuscript preservation and agri business students in field work, farmer interactions are some of the examples of innovation in learning-teaching aspect.

We have introduced project/field work/laboratory components in all the PG courses. Even at honours level projects have been made compulsory for autonomous colleges. This will give hands on experience to the students to innovate. Skill components are being discussed to promote innovation. The attitude of the teachers to appreciate and encourage new ideas is an important component. We are striving for bringing the attitudinal change.

- **Research**

The Utkal university has always been leading in fundamental research in the state of Odisha. Recently, the university has branched in to application research as well. By virtue of implementation of UGC regulations for faculty recruitment, the minimum requirement for API score is in place. That has also helped in accelerating research. As depicted in the SSR reports for individual Department in Volume II, each department has a defined thrust area of research, innovation and experiential learning where emphasis is given. For example, the department of physics works and is reputed for its research in the areas of high energy physics, condensed matter physics. In Bio technology, the thrust is on applications of genomics to cancer research. Department of Psychology focuses on counseling, Computer science on Data mining, Anthropology on tribal development and MBA on Agri Business models. The curricula are modeled accordingly.

Research component is an integral part of the curriculum. Presently, research methodology is taught at P.G .and M. Phil. as well as pre-doctoral course work. University organizes workshops on research methodology also. Every year nearly 300 students are awarded Ph. D. The foundation for doctoral work is laid in the curriculum for P.G. and M. Phil. A theoretical foundation needed in social sciences is covered at P.G. Curriculum.

1.1.4 Regulatory bodies and their role in developing and/or restructuring the curricula and significant contributions to curricular reform at National Level

The University adopts all the guidelines issued by the regulatory bodies like UGC/AICTE/MCI/BCI etc. while developing the curricula. The directives from such bodies are forwarded to the respective BoS. By and large 80% of course content of various programmes has been matching with the model curricula developed by UGC/AICTE/BCI/MCI.

Many Teachers are members of BoS of other universities. Utkal University is a pioneer in the innovative Distance Mode of learning in higher education which became a role model for many other institutions in this part of India. Recently, Utkal University spearheaded a uniform model syllabus at UG level for the entire state of Odisha. The University prepared the UG courses and course framework to be implemented across all autonomous colleges across Odisha and basing on the ground level feedback, will implement CBCS across all the colleges during 2016-17.

The University strictly adheres to the guidelines of regulatory bodies like NCTE, Pharmacy Council of India, Medical Council of India, Nursing Council of India, Ayurvedic and Homeopathic Council, Rehabilitation Council, Bar Council etc. The model UGC Curriculum is also followed by Utkal University.

1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?

The curriculum revision process is initiated by the respective BoS on its own or at the behest of University depending on the need of the course. The composition of each BoS which also possesses adequate representation from industry, research institutions and society as well, thus, provides meaningful interaction between academicians and other stakeholders. Since the university runs courses in M. Pharm, MBA, MBA (Agri Business), MBA (Finance) and PMIR, industry interaction is a natural process for these courses. The Chemistry, Physics and Bio Technology Departments have Collaboration with CIPET. During this year a Masters course in Public Health was introduced.

Providing open electives across disciplines at the PG level since 2013 is slowly creating a national impact. Utkal University is one of the first universities to introduce CBCS at the UG level. We are also the first university to introduce CBCS for the 3 year LLB course. Along with Delhi University we are the pioneers in introducing Masters in financial control. We are the first to include NCC as an elective subject in the 3 year degree program.

1.1.6 Facilitation the introduction of new programmes of studies in its affiliated colleges.

The University interacts with the stakeholders. We have outside representation in our boards of studies. We are in constant touch with industry, research institutes located at Bhubaneswar and the civil society at large. Up to date syllabus is a feature of Utkal University. The process prescribed under our act is as follows:

The Government of Odisha through its concerned departments i.e., Higher Education, Medical Education and Industry department issues no objection certificate and concurrence for opening of new courses in affiliated colleges. The University deputes a team of experts and on their recommendation grants affiliation. Nov 30th is the last date for the university to receive applications for introduction of new programs. The University creates awareness through principals' conference, meeting of the academic council and circulars.

A few Significant facts are outlined below

- The University identifies courses relevant to the societal needs and develops programmes in consultation with the academic bodies.
- The Director, College Development Council of the University prepares a list of such new programmes and announces them for the benefit of the affiliated colleges.
- Autonomous Colleges are guided by the Chairperson, BoS of the department concerned who is an ex-officio member of the academic bodies of the autonomous colleges.
- Affiliated Colleges are encouraged to introduce new, need-based courses with the approval of the University.
- To cite an example, a course on Masters in Public health has been introduced from the current academic year.

1.1.7 Providing additional skill-oriented programs relevant to regional needs?

The University has a number of courses and programme that go beyond the regular pattern identified to help provide exit for employment opportunities. In addition, the university has an ongoing MOU with the Tata Institute of Social Sciences where the NUSSD programs are being implemented in three model colleges of the university. The students and potential trainers are provided training in communication English, ICT based skills etc., along with their regular curriculum. This is a three year program that enables the students to earn additional skill credits and certificates parallel to their Bachelor's program. This is being run with the NSS volunteers. Some of skill courses that are being offered at PG level are stated below:

- Master of Fishery Science
- M. Tech. in IT
- IMBA and IMCA
- Masters in Public Health
- B. Ed.
- B.Sc. (Nursing)

One of the major new initiatives taken up during 2015 are developing skill based workshops and seminars for PG students and college teachers in all subjects. This has been done under the UGC funded 12th plan program. These are skills that will enhance the research and employability potential of our students beyond PG level. A skill based workshop was also conducted to train the people in Central Library for handling e-Granthalaya packages. The themes of the workshops conducted in various Departments are given below.

Sl. No.	Department	Theme	No. of Participants
1	A&A Economics	Data Exploration and Analysis using SPSS	50
2	AIHCA	Relevancy of Pottery in Archaeology	60
3	Anthropology	Japanese Language Emerging Technology in Biological Anthropology	80 80
4	Bio-technology	Determination of Protein Content in Biological Samples	37
5	Botany	Microscope to Molecules	73
6	Business Administration	Soft skills and Employability Etiquette	100
7	Chemistry	Materials and Coordination Chemistry	100
8	Commerce	Soft Skill development	160
9	Computer Science	Printed Odia character recognition	150
10	English	Learning to Read, Write and to Edit	100
11	Geography	Laboratory experiments in Geo informatics	40
12	Geology	Targeting Ground water Gemology	100 100
13	History	Recent trends in history teaching and Research	60
14	Law	Legal Research and Language Development skill	70
15	Library & Information Science	KOHA (An open source integrated Library management system)	60
16	Mathematics	Mathematical Computation with MATLAB	40

17	Odia	Indian Linguistics Status & classical features of Odia Language Learning	86
18	P.M.I.R.	Theory & Practices of Industrial Relations Law	40
19	Philosophy	Applied Ethics, Human relevance & soft skill	
20	Physics	1.Computational Methods and applications in Physics 2. Instrumentation & Repairing of basic instruments	110 110
21	Political Science	Research methods in Political and Social Science	85
22	Psychology	Psychological testing	130
23	Pub. Administration	Skill building for academic project management in Social Sciences	50
24	Sanskrit	Skill enhancement in Sanskrit learning in present day Society	50
25	Sociology	Applications of Qualitative Field Research	60
26	Statistics	Using SPSS for Quantitative Data Analysis	80
27	Zoology	Applied Zoology	100
28	Central Library	Training on Library e-Granthalaya Software Package	60

In addition, the University has allowed colleges to provide additional skill oriented programs. All the women's colleges under our University provide training in self defense. Many colleges run additional teaching programs under UGS innovative teaching scheme. The popular teaching programs are in tourism management, spoken English, Soft skill etc.

1.2 Academic Flexibility

1.2.1 Inventory :

- Programmes taught on campus

PG (Regular)	
1	Analytical and Applied Economics
2	Ancient Indian History, Culture and Archaeology
3	Anthropology
4	Biotechnology
5	Botany
6	Business Administration
7	Chemistry
8	Commerce
9	Computer Science and Applications
10	English
11	Geography
12	Geology
13	History
14	Law
15	Library and Information Science
16	Mathematics
17	Odia
18	Personnel Management and Industrial Relations
19	Philosophy
20	Physics
21	Political Science
22	Psychology
23	Public Administration
24	Sanskrit
25	Sociology
26	Statistics
27	Zoology

Self Finance Programmes (Post Graduate courses)	
1	M.Tech in Computer Science and Engineering
2	M.Tech in Computer Science
3	M.Sc. in Computer Science
4	M.Tech in Information Technology
5	3 year part time MBA
6	MBA in Financial Management
7	MBA(Agri Business)
8	Master in Pharmacy
9	Master of Rural Development
10	M.A in Women Studies
11	M.A in Development Journalism & Electronic Communication
12	Master of Fishery Science
13	P.G Course in Environmental Science
14	P.G Course in Applied and Industrial Microbiology
15	P.G Diploma in Yoga Education
16	P. G Diploma in Remote Sensing and GIS

Self Financing Courses (Integrated PG)	
1	5 Years Integrated Master's in Computer Application
2	5 Years Integrated Course in MBA

University Law College	
1	LLB (3 years)
2	LLM (HR)
3	5 years LLB Honours
MS Law College	
1	LLB (3 years)
2	LLM (HR)
3	5 years LLB Honours

DDCE		
1	B.Com (Pass & Hons.)	UG
2	B.A (Pass & Hons)	
3	Economics	PG
4	Education	
5	English	
6	Odia	

7	Public Administration	
8	Sociology	
9	Social Work	
10	Political Science	
11	Sanskrit	
12	History	
13	Commerce	
14	Hindi	
15	MBA	
16	MCA	
Integrated PG		
1	IMBA	

PG (Diploma)	
1	Banking and Insurance
2	Human Resource Management
3	Production and Operation Management
4	Marketing Management
5	Tour and Travel Management
6	Dietetics and Nutrition Management
7	Finance Management

M.Phil. (Regular)	
1	Analytical and Applied Economics
2	Ancient Indian History, Culture and Archaeology
3	Anthropology
4	Chemistry
5	Commerce
6	English
7	Geography
8	Geology
9	History
10	Mathematics
11	Odia
12	Personnel Management and Industrial Relations
13	Philosophy
14	Physics
15	Political Science

16	Public Administration
17	Sanskrit
18	Sociology
19	Statistics
20	Zoology

Ph.D.	
1	Analytical and Applied Economics
2	Ancient Indian History, Culture and Archaeology
3	Anthropology
4	Biotechnology
5	Botany
6	Business Administration
7	Chemistry
8	Commerce
9	Computer Science
10	English
11	Geography
12	Geology
13	History
14	Law
15	Library and Information Science
16	Mathematics
17	Odia
18	Personnel Management and Industrial Relations
19	Philosophy
20	Physics
21	Political Science
23	Public Administration
24	Sanskrit
25	Sociology
26	Statistics
27	Zoology

Ph.D. in Self Financing Courses	
1	Microbiology
2	Pharmacy
3	Environmental Science
4	Journalism
5	Fishery Science
6	Education
7	Hindi
8	Social Work
9	Medical-Allopathic
10	Medical-Homeopathic
11	Medical-Ayurvedic

1.2.2 Give details on the following provisions with reference to academic flexibility

a. Core / Elective options

At UG level, two subjects have to be chosen as Elective. On Implementation of CBCS, there are a number of elective options in the UGC framework. In PG and Professional courses provision for both specializations and electives exists.

In the post graduation courses 2 papers each carrying 4 credit points are treated as open electives which can be pursued across the departments. In the 3rd and/or 4th semester special paper groups are to be chosen. For e.g., in commerce students specialize in marketing or management or accountancy or insurance. In history people specialize in ancient, medieval, modern or regional history. Every PG Course offers special paper groups. Similarly under the UG program every Honours Course offers elective options for at least two papers under the new CBCS system. Besides, the students are free to choose from various combinations. For science Physics, Chemistry, Mathematics; Chemistry, Botany, Zoology; Computer Science, physics, mathematics; Biotechnology, Zoology, Botany; Geology, physics, Mathematics; and number of other combinations are allowed at UG level. The Commerce students can choose between accountancy, management and marketing Hons. Under Arts the number of combination are still wider. The only restriction in UG is that the Honours. Subject cannot be same as elective. The core subjects at PG level normally consists of two semesters. At the UG level English. MIL, Environmental Science, Society and culture of India, Computer Science and Population studies etc form the core.

The present structure is annexed vide 1.2.2.

b. Enrichment courses

Extra interdisciplinary courses have been introduced as a part of personal enrichment of students. These are courses like English Communication, Japanese language course, Environmental Science and Soft skill based courses.

c. Courses offered in modular form

All the structured courses are modular in nature.

d. Credit accumulation and transfer facility

Credit equivalence and transfer facility is to be worked out now after implementation of CBCS.

e. Lateral and vertical mobility within and across programmes, courses and disciplines

- In case of UG courses (non-Professional), change of course/group/ second language is permitted within six weeks after the date of admission.
- Candidates who have joined UG programmes in one course as regular students can slide to a different course under distance education mode at a later date.

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

The University presently caters to the needs of students of Odisha. There is no differential fee structure for foreign students. However, a few foreign students have undergone studies in different departments based on their requests.

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

We are yet to target international students as a matter of policy.

1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

Yes (BBA-MBA; BCA-MCA)

1.2.6 Does the university 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 University offers a number of self-financing programmes both in the Campus and in the affiliating Colleges. The courses run by DDCE are all in SFS mode.

M. Pharma
 Women Studies
 Applied Micro Biology
 Fishery Science
 Journalism and Electronic Communication
 Tourism and Heritage Management
 Remote Sensing and GIS
 MBA (Financial Management)
 M. Tech. (Computer Science)
 3 Year Executive MBA
 MBA (Agri Business)
 M. Tech. (IT)
 M. Tech (Computer Science and Engineering)
 M.Sc. (Tech) Material Science and Engineering
 Environmental Science
 IMBA
 IMCA

Admission: It is made along with the regular courses.

Fee Structure:

Sl.	Subject	Fees Rs. per annum
1	Applied Microbiology	40,000/-
2.	Integrated MBA	30,000/- up to BBA 40,000/- for MBA
3.	Integrated MCA	40,000/- for 1st year, 30,000/- per annum for 2nd & 3rd year & 25,000/- per annum for 4th & 5th year.
4.	EMBA	20,000/-
5.	M.Sc. (Fishery Science)	21,000/-
6.	Journalism (DJEC)	18,000/-
7.	MBA(Agribusiness)	1,26,500/-
8.	MBA(Finance)	40,000/- (60,000/- for corporate

		sponsored)
9.	M.Tech. in Computer Science.	45,000/-in 1st year and 25,000/- in 2nd year
10.	M.SC. in Computer Science	30,000/-
11.	M.Tech. in Information Technology	50,000/-
12.	M.Sc. Tech. in Material Science Engineering	25,000/-
13.	P.G. Diploma in Remote Sensing and GIS	30,000/-
14.	Master's Degree in Pharmacy	60,000/-
15.	M. A. in Women's Studies	10,000/-

Teaching arrangements: Almost all those courses under self-finance are attached to regular teaching departments. The special courses like Environmental Science have not been elevated to departmental status and are run by existing department of Botany. The Department of Pharmacy, due to the special nature of the course, operates as a separate Department.

1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.

No

1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?

Yes

In consonance with the UGC guidelines, the University has introduced Choice Based Credit System (CBCS) in all the PG programmes which were being offered at campus from the academic year 2013-14, in the arts, social sciences, commerce and science faculties. This has been introduced in the affiliated colleges too at the PG level.

At the UG level, The CBCS has been introduced in the affiliated Autonomous colleges from the current academic year 2015-16. In fact, Utkal University has developed the CBCS content for the entire state.

1.2.9 What percentage of programmes offered by the university follow:

- Annual system
It is followed for all the programmes offered by non-Autonomous UG Colleges.
- Semester system
Except in Non-Autonomous Colleges, all the PG, UG and Professional UG programmes offered at Campus, Constituent and Affiliated Colleges are under Semester system. Semester system is slotted to come in to operation in all Non -Autonomous Colleges from 2016-17 academic year.
- Trimester system
At present, no courses are being offered in this system. However, plans are afoot to introduce integrated UG-PG Programme.

1.2.10 How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome.

Considering the global importance and industry needs, interdisciplinary topics of relevance are identified and introduced first as elective papers and are subsequently elevated to specialized courses.

Following inter-disciplinary programmes are being offered:

MSc	Biotechnology, Environmental Science, Fishery Sciences
MA	Women Studies
M Tech	IT, Computer Science
LLM	Human Rights
MBA	Finance and Control, Agri Management
M.Sc. (Tech)	Materials Science and Engineering
DJEC	Journalism and Electronic Communication

These courses are in high demand as they have employment potential. Few of them are specially designed and oriented for career advancement. In addition, numbers of Ph. D. Programme are by nature multidisciplinary.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The curricula of the courses have been periodically reviewed approximately in every three year duration and upgraded. Periodic revision of curriculum in all the programmes is offered.

All the programmes at UG level are revised once in 5 years whereas 3 years in case of PG. Most recently, UG courses have been revised in 2015 and PG courses in 2013.

1.3.2 During the last six years, how many new programmes at UG and PG levels were introduced? Give details.

The University has restructured and the introduced of new courses in tune with the emerging requirements.

Masters in Public Health
B. Sc. Nursing in affiliated Colleges
M.Sc. in Polymer Science
M Phil (Applied Psychiatry) for Mentally Challenged in affiliated college
B. Ed. (Special) for Mentally Challenged

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

The University conducts frequent interactive meetings with Principals, Chairpersons and Head of the Departments and assesses the need for revision of existing programmes. While restructuring the courses, the University gives utmost importance to make sure that the correct proportion of fundamentals, application to socially relevant areas and skill sets geared towards employment needs are maintained. Each course can be cited as examples of this. The syllabi in all the courses offered in the university have been recently revised.

100% of courses across all the subjects are with revised syllabi.

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

- Programme on Counseling run by the Psychology Department
- Japanese language course offered by Anthropology Department
- Communicative English under CBCS

Whenever such courses are offered, they are given wide advertisement through University website as well as internal notice boards

1.3.4 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

- The courses offered in basic and applied subjects include higher order skills that helps the students to build their employment capacities. For example, physics students learn computer programming and software skills, Chemistry students analytical skills, Life sciences and Pharmacy students are familiar with advanced instrument operation skills, Anthropology students learn excavation skills etc.
- Participation of students and faculty in extension activities like social service, counseling, community development, NSS etc.
- By developing the curriculum for self financed courses like Journalism and Electronic Communication, Applied Micro Biology, Fishery science, Tourism and Heritage Management, Remote Sensing and GIS, MBA (Financial Management), Agri Management etc. skill is imparted.
- In order to foster private sector initiatives for soft skill development programmes, as envisaged by NSDC, the University has signed an MOU with the Tata Institute of Social Sciences and is pursuing NUSSD programme of soft skill development in three affiliated colleges of the university.
- A number of UGC Sponsored skill development programs have been initiated in large number of University Departments where students are trained in discipline related skill.
- In line with NSDC guidelines, Skill based courses have been introduced in under graduate courses during this year.
- Japanese language course has been initiated with the help of University of Delhi at a basic level for our research students.
- During the current year, a large number of specific skill based workshops were conducted for our students and college teachers to make a definite value addition to their employability. This included training on subject specific training on commercial software, sophisticated instruments, analytical techniques etc.

1.4 Feedback System

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

Yes, the University reaches all the stakeholders through its web-site wherein the details of all its academic programmes are displayed. University encourages the participation of all the stakeholders in planning, implementation and evaluating the academic programmes by collecting the feedback from them. Feedback from students on the ongoing academic activities is collected through the feedback forms. Feedback is also obtained through personal interaction with students during the meetings with Student counselors and Mentors. Parents of students and Alumni also regularly provide their feedback. The feedback formats are available in the Departmental Reports.

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

Broadly, the University has followed model curricula recommended by the state and national level regulatory agencies for all its courses after eliciting opinions at national and state level discussion meets, workshops and conferences from the experts in their respective fields. The depth and breadth of our curriculum in each topic permits our students to obtain positions in good institutions.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

- Firstly, some senior faculty and teachers of affiliated colleges are members with the academic bodies of the University (Board of Studies, Academic Council etc) which are bodies where curriculum and academic matters are discussed and finalized.
- The Vice Chancellor has a nominee in all college councils who can bring the feedback to the university.
- For Autonomous Colleges, the Vice Chancellor provides nominees to board of studies and academic council of Autonomous Colleges where all academic requirements are discussed.
- Affiliated institutions also give their feedback on the curriculum during the Principals' conference each year. This year in particular, three meetings were held with principals and key faculty regarding CBCS Syllabus.
- University has a College Development Council for Affiliated Colleges. The day to day running of the council is done by Director, CDC. This council provides a platform for the affiliated institutions to give their feedback.

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

- Adoption and effective adaptation of model curriculum developed by UGC/AICTE
- Revision of contents of each PG programme on regular basis to meet the ever changing requirements of the industry/job market/needs of society.
- Evaluation and awarding marks for student seminars.
- Option for Project Work in the final semester for all PG programmes to strengthen research.
- Availability of handouts of lectures and Power Point presentations of crucial lectures.
- Seminars/tutorials/field work in the curriculum to focus on multi skill development.
- Usage of ICT in teaching-learning process by making it a part of the curriculum.
- Restructuring the UG courses to make them socially relevant and job oriented.
- Offering value addition courses.
- Conducting UG and PG programmes and novel/job oriented programmes in SFS modes.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

- University issues advertisement in the leading dailies published from Odisha both in English and Odia.
- University hosts the advertisement also on its website.
- The University has been following online application form system for last three years.
- Our student volunteers help student to fill up online application form by responding email queries.
- The University and the students union also run help desk for assisting students to apply online.
- The P.G. Council (consisting of all the Heads of the P.G. Departments) is the highest policy making body.
- The Chairman, P.G. Council is the administrative head for managing the entire process.
- Several Committees consisting of teachers of the University operates directly under the supervision of Chairman to manage the admission process.
- Transparency is maintained by declaring the entire merit list on our website including category-wise break up.
- Grievances and complaints are attended to promptly for resolution by the Chairman, Post Graduate Council.

2.1.2 Explain in detail the process of admission put in place by the University. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the University (please specify).

- The P.G. Council before summer vacation reviews the admission process based on feedbacks received during the earlier year. All Heads of the Department consider various aspects of the admission process for the respective courses offered by the department in the Teacher's Council meeting of the Department.
- The P.G. Council publishes a Prospectus / Information Brochure, where all details – eligibility, selection criteria, career marking system, number of available seats, special papers offered etc. are specified.
- All eligible students are required to appear at an entrance test for PG/M.Phil. /Ph.D. course.
- Processes of Application, issuance of admit card and declaration of results etc. are online. Students download their application, sign it, attach all self-attested copies of mark sheet, certificates etc. and send it by post. Application forms are centrally received and sent to respective departments for processing.
- **Candidates are selected on the basis of academic career + performance in entrance test + reservation policy of the state government. + weightage of NCC/Sports etc. as applicable.**
- The P.G. admission process begins by 15th May and is completed by 3rd week of July.

- Admission into M. Phil. process begins in the month of July is completed by 1st week of August. Admission into Ph.D. course is advertised in the month of January, respectively every year. The admission test consists of two papers. For Ph.D. Paper one consists of General Knowledge, Research Aptitude, Test of Reasoning, Quantitative Aptitude etc. as per UGC Guideline. Paper two consists of subject related questions. The first paper is multiple choice and single answer type. The second paper is partly subjective. Second papers of those who qualify in the first paper are only evaluated. The question paper for M.Phil. consists of only one subject related paper.
- The prescribed syllabus for entrance test for P.G. is the UG Hons. (Major) course, for M.Phil. it is only PG course and for Ph.D. it is both M.Phil. and PG. All Departments enjoy functional autonomy. Viva voce examination is conducted for M.Phil. and Ph.D. candidates. Students who have represented India in sports are given seats. The MCA / MBA admission is controlled by Odisha Joint Entrance Examination conducted by the State Government. All admission to SFS courses are also through entrance test.
- There is no lateral entry.

2.1.3 Provide details of admission process in the affiliated colleges and the University's role in monitoring the same.

- The University determines the eligibility criteria for admission into affiliated colleges through Boards of studies, Regulation Amending Committee and Academic Council of the University. The Government of Odisha is now directly administering a centralized admission process for the general BA/B.Com/ B.Sc. courses. The affiliated colleges enjoy functional autonomy.
- Transfer from one college to another or to distance education is controlled by the Controller of Examinations / Director, DDCE. In normal course this is allowed within first six weeks at the beginning of academic session.
- The University monitors the process through data entry mechanism also. The colleges are required to fill up the student's registration details with UUEMs data base online by November-December every year. The University issues online Registration Number.

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

- Every P.G. Department annually reviews its admission process.
- The pattern of question in the entrance test is reviewed.
- Number of seats to be offered is also reviewed.
- The special papers to be offered is examined.
- The online application system has stabilized over the years by the process constant up gradation, trouble shooting and review.
- All issues relating to admission are discussed thread bare in detail in the PG Council as well as in various related committees.

2.1.5 What are the strategies adopted to increase/improve access for students belonging to the following categories:

- **SC/ST**
- **OBC**
- **Women**
- **Persons with varied disabilities**
- **Economically weaker sections**
- **Outstanding achievers in sports and other extracurricular activities**

Utkal University provides adequate opportunity to all reserved category. During the last four years none of reserved category seat has remained vacant. As per the provision of rules 2nd/3rd Advertisement is to be issued for filling up reserved vacancy but such situation does not arise. Currently the number of women students far outnumber the male students approximately in the ratio 7:3. Since women students seek admissions from all parts of the state and need accommodation in the campus, the existing six ladies hostels catering to about 1200 ladies are not adequate. Hence, new hostels are now in an advanced stage of construction to facilitate another 500-600 seats in near future. As far as persons of varied disabilities are concerned, reservation and fee concessions in regular courses are available as per government rule. Similarly all those who have represented India in any sports get seats. Other achievers get weightage in career marking. NCC Cadets/NSS volunteers also get weightage. SC/ST/Women students are exempted from tuition fees at PG level. Financial assistance is made available by the Government to all students belonging to ST, SC, PH. and Minority community categories.

2.1.6 Number of students admitted in university departments in the last four academic years:

Year - 2015

Subject	No. of Applicants	No. Admitted	SC	ST	SEBC	Male	Female	PH
MA	9599	1239	16.25 %	22.50%	No Reservation	525	714	3%
M.Phil	1212	231	16.25 %	22.50%	No Reservation	97	134	3%
Ph.D.	795	327	No Reservation	No Reservation	No Reservation	158	169	3%

Year - 2014

Subject	No. of Applicants	No. Admitted	SC	ST	SEBC	Male	Female	PH
MA	8162	1089	8%	12%	No Reservation	469	619	3%
M.Phil	1120	229	8%	12%	No Reservation	102	127	3%
Ph.D.	891	321	No Reservation	No Reservation	No Reservation	168	153	3%

Year - 2013

Subject	No. of Applicants	No. Admitted	SC	ST	SEBC	Male	Female	PH
MA	8532	1204	8%	12%	No Reservation	523	716	3%
M.Phil	1016	224	8%	12%	No Reservation	96	128	3%
Ph.D.	904	323	No Reservation	No Reservation	No Reservation	167	141	3%

Year - 2012

Subject	No. of Applicants	No. Admitted	SC	ST	SEBC	Male	Female	PH
MA	7504	1194	8%	12%	No Reservation	479	732	3%
M.Phil	1094	243	8%	12%	No Reservation	102	131	3%
Ph.D.	797	267	No Reservation	No Reservation	No Reservation	143	109	3%

Year - 2011

Subject	No. of Applicants	No. Admitted	SC	ST	SEBC	Male	Female	PH
MA	7282	1194	8%	12%	No Reservation	532	664	3%
M.Phil	1052	242	8%	12%	No Reservation	103	139	3%
Ph.D.	594	196	No Reservation	No Reservation	No Reservation	89	87	3%

2.1.7 Has the University conducted any analysis of demand ratio for the various programmes of the University departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

Demand ratios for all the courses offered by the University Department are analyzed. As far as affiliated colleges are concerned, the Principals raise the issue in academic council as and when required.

The following trend is visible:

- Demand for Commerce and Management faculty is steadily increasing in view of Job perspective.
- Demand for History, AIHCA is decreasing or is at least remaining static. This is due to shrinking job opportunity.
- Quality of student intake in pure science departments is improving as numbers of students are preferring pure science to engineering.

- Demand for Education subjects at +3 levels is increasing.
- 2.1.8 Were any programs discontinued / staggered by the University in the last four years? If yes, please specify the reasons.**

Post Graduate programme in Yoga and Tourism offered respectively, by PG Department of Sanskrit and AIHCA has been discontinued. These courses were offered under UGC Innovative Teaching Program. Financial assistance was provided by UGC up to 2012, but due to non receipt of requisite grant from the state Government, the above two courses were suspended. However, the Innovative programme for Mass communication & Journalism is continuing in the PG Department of Public Administration due to high demand and willingness of applicants to pay fees under Self Financing Courses. LLM in Human Rights was withdrawn from PG Department of Law due to shortage of faculty. However, the course is offered in two constituent colleges now.

2.2 Catering to Diverse Needs of Students

2.2.1 Does the University organize orientation / induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Every department conducts an Induction Program at the beginning of the Academic Session for the PG students. The students are made aware of the

- Syllabus and choice of courses available
- System and schedule of Examinations
- Distribution of marks over continuous evaluation
- Time Table
- Facilities available in different Departments and University
- Office process

Besides, defreezing exercise is conducted and familiarization with other students, teachers and office staff is ensured. The teachers of the Departments act as experts. In the professional courses teachers from other departments, university officials, retired teachers and experts from industry are also invited. Department of Business Administration, PMIR and Commerce in particular involve number of experts from outside. Most of the Departments conduct one day induction programme.

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

Over the years the Departments have formulated ideas on the requirement of students. Since CBCS was introduced in 2013, a new review has been undertaken by the Departments. Department wise report shall be placed during the visit.

2.2.3 Does the University offer 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?

Under the CBCS, all the students are required to choose add on credit points from PG Departments outside their own usually in the 3rd semester. Friday and Saturday afternoons have been identified for such courses. Besides, students are free to pursue Diploma courses under distance mode during the duration of courses without any compromise.

2.2.4 Has the University conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

- In the PG Department of Psychology a counseling cell operates and professional counseling is available for all students of the University.
- In some Departments a cell also operates for the differentially able students. For example P.G. Department of Psychology has special software for Blind students.
- The State Government provides financial assistance to Socio-economic disadvantaged sections of the students.
- Ramps have been provided at many places for physically challenged students.
- Extra time is allowed in Examination to physically challenged students. Blind student are allowed writers.
- Besides, the teachers of all Departments generally offer counseling to slow learners and other disadvantaged group beyond provision in the routine.

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

- Though there is no formal program, the teachers generally encourage the advanced learners by
 - Counselling them about opportunity for higher education, research fellowships, training for NET etc. and job perspectives.
 - Mentoring their academic progress.
 - Associating them in their research & project activities

2.3 Teaching-Learning Process

2.3.1 How does the University plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

- The PG Council draws Academic Calendar for the entire year specifying schedule of teaching, continuous evaluation through midterm examination, term end examination, function days, union election and other functions.
- Though class duration varies from department to department, it is normally of 1.5 hour duration.

- Laboratory and field work and project are part of the teaching learning process.
- The syllabus has been unitized by the Utkal University since 2002-03. Now under CBCS this is done more scientifically by the Departments.
- Each teacher draws up the teaching plan for the Semester specifying teaching hours/days etc.
- Question patterns are discussed with the students at the beginning of the year.
- The continuous evaluation are done by the teachers during the semester through written tests, seminars, quizzes and viva voce techniques.
- The end semester examination is conducted by the controller of examinations

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

- The PG Departments prepare their respective course outline and course schedule prior to the commencement of the Semester and circulate the same to the students during induction.

The following Format for Teaching Plan is followed

Semester	<u>Date</u>	Paper title	<u>Board</u>	Topic	Sub-Topic
Even/Odd	Day-1/2 to 90 teaching days		Unit Title		

2.3.3 Does the University face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

The university has not faced any major challenge in completing the course curriculum during the last five years. However, in case of natural calamities like cyclone and other disrupting factors, the loss of teaching days is compensated through extra classes.

2.3.4 How is learning made 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.

- Introduction of Quiz, Assignment, Project, Field Trip, Group Discussion and Seminar etc. have made teaching student centric.
- Students are actively engaged in extracurricular and extension activities.
- The placement Cell and departments also conducts Skill and Soft Skill Development programmes. Interactive method of Teaching is adopted. Case study method is used

widely by the Faculty of Business Studies and Management (MBA, M.Com. & PMIR). The MBA Agri Business course has established links with farmers and Government.

- AIHCA and Anthropology Department has collaborated with ASI & Deccan College, Pune for excavation.
- The PG Department continuously organize extra mural lectures, Seminars and Conferences (Details are provided in profile of each Department)

2.3.5 What is the University's policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?

The University provides fund to the PG Departments for holding Seminars, Conference etc. out of UGC unassigned grant. There is an R & D Committee for allocating Fund. The Prof-in-Charge, Research & Development is the coordinating officer. Further, Departments also organize seminars, conferences with funds generated independent of UGC/ University funding. The exhaustive list is provided in Departmental profiles.

In addition to the seminars supported by UGC unassigned grant, eminent experts in different fields are invited by various departments under special assistance programme of UGC, DST PURSE Grant and Departmental Seminar Fund etc.

2.3.6 Does the University formally encourage blended learning by using e-learning resources?

All the departments have identified open e-learning resources for their respective courses. All open resources are being downloaded and placed in a server of the University computer centre to be accessed by students at ease.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

University is connected with INFLIBNET since 2004-05. Teachers have been provided passwords. Almost all the teachers are computer competent. Internet connectivity has been made available to all the PG Departments. One GB wireless (radio) connectivity is available. Recently some sanction has been received from Government of Odisha for campus WI FI services. The tender process for this has been initiated. Power Point Presentation facility is available in all the Departments. Smart classroom with Interactive Board facility is being extended to all.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the University's educational processes?

A group consisting of the following has been assigned the responsibility:

- One from the PG Department of Library & Information Science
- One from the PG Department of Computer Science
- One from the PG Department of Physics

2.3.9 What steps have the University taken to convert traditional classrooms into 24×7 learning places?

- Availability of Internet Connectivity
- Wi Fi Campus Facility
- Extended Library Hours.
- Departmental Seminar Library facility beyond office hrs/ teaching hrs.
- Besides, the learning ambience also helps to improve academic activities.
- Field Trips, Quiz, Seminar, Discussion group etc. have taken the learning beyond class rooms.

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

The total number students of each P.G. Department are divided in groups depending on the number of Teachers. The teachers act as the mentor and counselors. Every Saturday a mentoring hour is held and teachers interact with students. Psychology Department runs a counseling cell. Every day the Cell remains open in the afternoon. The Ph.D. and M.Phil. students of the Department of Psychology also help in running the cell. The university has also an anti ragging cell.

2.3.11 Were any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods 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?

In 2013 CBCS was introduced in all the P.G. Departments. Along with CBCS, continuous evaluation, projects, midterm examination and assignments have been introduced. The increasing number of NET Qualified students is sure sign of improvement.

2.3.12 How does the University create a culture of instilling and nurturing creativity and scientific temper among the learners?

Our curriculum is designed to instill rational thinking and secularism among learners. Besides, the University facilitates a culture of installing and nurturing creativity and Scientific temper by offering options under CBCS beyond a Department/ discipline encouraging students to deliberate and present seminar on out-of-the-box ideas and promoting debate on issues of academic as well as societal relevance.

2.3.13 Does the University consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

Projects have been made compulsory at PG level for all the PG Departments of University.

Projects have been introduced for Major (Hons.) students at Degree level also for autonomous colleges since 2015-18 batch.

This would be extended to affiliated colleges w.e.f. 2016-19 batch. Projects have also been introduced for BCA, 5yr LLB, B.Lib., BBA and all other profession courses.

2.3.14 Does the University have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

- All the teachers fulfill the UGC prescribed qualification. The API regulation has been fully implemented since 2010.
- However, the problem of shortage of teachers is addressed by engaging retired and guest faculty.
- Recruitment for the vacant positions is in process.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the University for such efforts?

- 100% teachers of the P.G. Departments are enabled to use ICT in teaching learning-research process.
- Microsoft had carried out a training programme in 2014 for our teachers. Besides, induction programme for all newly recruited has been carried out since 2010. The University has a computer centre which is open to all. Besides, all Departments have adequate number of computers accessible to teachers.

2.3.16 Does the University have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Every Department collects feedback from its students and Alumni periodically on the performance of Teachers, Syllabus and curriculum and other aspects. Department-wise analysis is done and corrective steps are taken. (Annexure I)

2.4 Teacher Quality

2.4.1 How does the University plan and manage its human resources to meet the changing requirements of the curriculum?

Recruitment of Faculty at Utkal University is governed by the UGC regulation and State Government guidelines. The enrichment of faculty members is normally done by permitting the teachers to attend orientation and refresher courses organized by different Universities in their respective subjects from time to time. Attending seminars workshops and specially designed training programmes is a common phenomenon to improve the existing skill of the faculty members. List of teachers serving in various departments is given below.

Department of Analytical and Applied Economics

Name	Qualification	Designation	Specialization	No.of years of experience	No. of Ph.D M.Phil Students guided in last 4 years
Dr. P. Mishra (On Lien)	Ph.D.	Professor	Economics of Environment, Public Eco	34	06- PhD 05- MPhil
Dr. H. S. Rout	Ph.D.	Reader	Economics of Social Sector	15	01- Ph.D. 11- M.Phil
Dr. M. Chinara	Ph.D.	Reader	Economics of Social Sector	25	9- M.Phil
Dr. A. Biswal	Ph.D.	Lecturer	Economics of Social Sector	11	05- M.Phil
Dr. A. R. Behera	Ph.D.	Lecturer	Economics of Social Sector	06	08- M.Phil
Dr. A. Das	Ph.D.	Lecturer	Economics of Environment, Public Eco	06	02- M.Phil
Dr. B. Sen	Ph.D	Professor (Retired on 30.6.2013)	Econometrics & QT	37	03- Ph.D 06- M.Phil
Dr. K.B. Das	D.Lit	Professor (Retired on 31.3.2015)	Regional Economics	36	04- Ph.D 02- M.Phil

**P.G. DEPARTMENT OF ANCIENT INDIAN HISTORY, CULTURE AND
ARCHAEOLOGY**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Prof. Sadasiba Pradhan	D.Litt.	Professor	AIHCA, Field Archaeology, Art History and Regional History	33 years	Ph.D.-8 M.Phil-8
Dr.Sanjay Acharya	Ph.D.	Reader and Head	AIHCA, Regional History –Art and	23 years	Ph.D.-8
			Architecture		M.Phil-12
Dr. Anam Behera	Ph.D.	Lecturer	AIHCA, Field Archaeology, Art History and Regional History	11 years	M.Phil.-14
Dr.Sushanta Kumar Partra	Ph.D.	Lecturer	AIHCA, Field Archaeology, Art History and Regional History	05 years	M.Phil-19

P.G. Department of Anthropology

Name	Qualification	Designation		No. of Years of Experie nce	No. of Ph.D./M.Phil. Students guided for the last 4 Years
Kishor Kumar Basa	MA, Ph.D	Professor	Archaeological		Ph.D. 1

			Anthropology		M.Phil. 2
Sabita Acharya	MSc,M.Phil, Ph.D	Professor	Social Anthropology		3
Upali Aparajita	MA, Ph.D	Professor	Development Anthropology		Nil
Prasanna Kumar Patra	MSc, Ph.D	Reader	Biological anthropology		Nil
Kanhu Charan Satapathy	MSc, M.Phil, Ph.D	Reader	Biological anthropology		13(MPhil)
Daitari Sahoo	MA, M.Phil	Sr. Lecturer	Archaeological Anthropology		MPhil 2

Post Graduate Department of Biotechnology

Name	Qualification	Designation	Specialization	No. of Years of Experience (Yrs) Teaching : T Research :R	No. of Ph.D./ M.Phil. students guided for the last 4 years
Prof. J. Dandapat	M. Phil., Ph.D.	Professor and Head of the Department	Cell and Molecular Biology & Immunology	T=13 R=21	Ph.D.= 03 (awarded) 01(submitted) 04(regd) M.Phil.=04
Prof. GBN Chainy	M.Sc., Ph.D., FZSI, FNASc.	Professor (Retired in 2010). UGC-Emeritus Professor (2013- 15)]	Biochemistry & Molecular Biology	T=33 R=35	Ph.D.=17 (awarded) 03 (regd) M.Phil.=22
Dr. Sabuj Sahoo	M. Tech., Ph.D.	Reader	Pharmaceutical Biotech/ Bioprocess Technology	T=14 R=12	Ph.D.=02 M.Phil.=01
Dr. Jyotsnarani	M.Sc., Ph.D.	Lecturer	Molecular	T=0.8	-

Pradhan			Biology & Tissue Engineering	R=06	
Dr. Sanatan Majhi	M. V. Sc.	Lecturer	Microbiology and Immuno- technology	T=0.8 R=05	-
Dr.Anita Roy	M.Sc., Ph.D.	Women Scientist, DST, Government of India, (2012-15)	Biochemistry & Molecular Biology	T= 08 R=15	
Dr.Priyaranjan Debta	M.Sc., Ph.D.	DBT Ramalinga Swamy Fellow (2013-14)	Molecular Biology & Genetic Engineering	T= 02 R=10	
Dr. P. Sen	M.Sc., Ph.D.	Asst. Professors/ Lecturer Contractual & Consolidated Scale *(2010-2012)	Biophysics & Biochemistry	T=2 R=6	

P.G. Department of Botany

Name	Qualification	Designation	Specialization	No. Years Experience	No. of Ph.D./M.Phil./ M.Sc. students guided for last 4 years
Prof. P.K. Chand	M. Sc, Ph. D.	Professor	Transgenic Research and DNA Fingerprinting	33 years	6 (Ph. D.) 7 (M.Phil.)
Prof. A. B. Das	M. Sc, Ph. D., D.Sc	Professor	Cytogenetics and Plant Molecular	25 years	2 (Ph. D.) M.Phil (1)

			Biology		M. Sc. (
Dr. C. Pradhan	M. Sc, M. Phil., Ph. D.	Reader	Plant Tissue Culture and Environmental Stress	13 years	3 (Ph. D.) Thesis Submitted 9 (M. Phil)
Dr. B. Panda	M. Sc, Ph. D.	Lecturer	Microbiology, and Algology	4 years	1 (M. Phil allotted)
Dr. B. Kullu	M. Sc, M.Phil., Ph. D.	Lecturer	Microbiology & Environmental Biology	4yaers	4(M. Phil)

Business Administartion

Name	Qualification	Designation	Specialization	No. of Year of Experience	No. of Ph.D./ M. Phil students guided for the last 4 years
Dr. P.K.Sahoo	Ph.D.	Retd. Professor	Finance	37	5
Dr.P.K.Mohanty	Ph.D.	Retd. Professor	HR	37	8
DrN.C.Kar	Ph.D.	Retd. Professor	Finance	36	7
Er. P.C.Ratha	MIM, AIM, Manila	Retd. Reader	Production & Operations Mgmt.	23	1
Dr. J. K. Panda	Ph.D.	Professor	Finance	36	10
Dr. B.B.Mishra	D. Litt.	Professor	Marketing	28	12
Dr.M.Kalyani	Ph.D.	Reader & Head	HR	21	05
Dr. S.S.Debasish	Ph.D.	Reader	Finance	15	08
Dr.(Mrs) R.Sahoo	Ph.D.	Lecturer	Finance	11	04
Dr. D.Sahu	Ph.D.	Lecturer	Systems	11	04
Dr. B.Kumar	Ph.D	Reader-cum-Placement Officer	Business Laws	20	02

Chemistry

Name of Faculty Member	Qualification	Designation	Area of Specialization	No. of Years of Experience (Teaching + Research)	No. of Ph.D., M.Phil. students guided for last 5 years
Prof. Swoyam Prakash Rout	Ph.D., PDF	Professor	Environmental Chemistry	36(Superannuation: 30 th Nov 2010)	Ph.D.: 3 , M.Phil.: 2

Prof. Prakash Mohanty	Ph.D.	Professor	Inorganic Chemistry	35(Superannuation: 31 st Aug 2011)	Ph.D. : 4 , M.Phil.: 4
Prof. G. C. Pradhan	Ph.D.	Professor	Inorganic Chemistry	34(Superannuation: 29thFeb 2012)	Ph.D.: 4, M.Phil.: 6
Prof. S. Jena	Ph.D., PDF	Professor	Organic Chemistry	33(Superannuation: 30 th Sept 2014)	Ph.D.: 4, M.Phil.: 8
Prof. Prafulla Kumar Sahoo	Ph.D., PDF	Professor	Polymer Chemistry	25	Ph.D.: 12, M.Phil.: 8
Dr. Jashoda Behera	Ph.D.	Reader	Inorganic Chemistry	20	Ph.D.: 3(2 awarded + 1 submitted), M.Phil.: 8
Dr. Sushanta Kumar Badamali	Ph.D., PDF	Reader	Physical Chemistry	15	Ph.D.:1(submitted), M.Phil.: 9
Dr. Bijayalaxmi Jena	Ph.D.	Lecturer	Physical Chemistry	5	M.Phil.: 9
Dr. Ajaya Kumar Behera	Ph.D.	Lecturer	Polymer Chemistry	<1 (Joined on 17 th Dec 2014)	Nil
Mr. Hemanta Kumar Kisan	Ph.D. (Cont.)	Lecturer	Theoretical Organic Chemistry	<1 (Joined on 17 th Dec 2014)	Nil

Computer Science and Applications

Name	Qualification	Designation	Specialization	No. of years of experience Research/ Teaching	No. of Ph.D./ M.Phil. students Guided for the last 4 years
Sateesh Kumar Pradhan	Ph. D	Professor & Head	Parallel computing, Neural Network, WSN Mobile communication	30 years	Ph.D-4 M.Tech-7
B.K.Rath	Ph.D.	Reader	Software Engineering	28 years	Ph.D-2
Prafulla Kumar Behera	Ph.D.	Reader	Mobile Ad Hoc Network, Distributed Systems	22 years	Ph.D-3 M.Tech-5
Mrutyunjaya Panda	Ph.D.	Reader	Data Mining	16 years	M.Tech-3

B.N.B.Ray	Ph.D.	Reader	VLSI Algorithms Parallel Algorithms	15 years	Ph.D-1 M.Tech-4
H. Naik	M.C.A.	Lecturer	Database, AI, Internet Technology	8 months	
B. Nayak	M.Tech	Lecturer	Networks, Operating System	2 years	

Department of Commerce

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Prof. R. K. Bal	Ph. D.	Professor	Financial Accounting & Corporate Reporting	32years	Ph. D - 4 M. Phil -5
Prof. K. B. Das	D. Litt., Ph. D.	Professor	Managerial Economics, Insurance & Risk Management, Financial Inclusion	35 Years	Ph. D- 1 M. Phil -4
Prof. J. K. Parida	D. Litt., Ph. D.	Professor	Taxation & International Business	34 Years	Ph. D-4 M. Phil -5
Prof. P. K. Pradhan	Ph. D.	Professor	General Mgt. & Organisational Behaviour	32 Years	Ph. D-2 M. Phil -5
Dr. P. K. Hota	Ph. D.,	Reader	Statistics, Investment Mgt. and Entrepreneurship	25 Years	Ph. D- 3 M. Phil -5

Dr. M. Sahu	Ph. D.	Reader	Marketing, Financial Services	29 Years	Ph. D- 5 M. Phil -4
Dr. A. K. Swain	Ph. D.	Reader	International Accounting & Portfolio Mgt.	31 Years	M. Phil -5
Dr. R. K. Swain	Ph. D.	Lecturer	Accounting & Financial Mgt.	22 years	M. Phil -5
Dr. S. K. Digal	Ph. D.	Lecturer	International Finance and Financial Institutions	12 Years	Ph. D- 2 M. Phil -5
Prof. S. Moharana	Ph. D.	Professor Retd.	Finance and Banking	35 Years	Ph. D- 2 M. Phil -4

Department of Library and Information Science

Name	Qualification	Designation	Specialization	Experience/Research/Teaching	Students Guided/Research/Teaching
Prof. P. Jena		Professor	Knowledge Organization & Bibliographic Description (Th. & Pr.) Research	28	Ph.D-10 M.Phil-15

	<i>PhD</i>		Methodology, Knowledge Engineering & Management, Information Literacy		
Dr. K. C. Das	<i>PhD</i>	<i>Reader</i>	Foundation of Library & Information Science , Information Storage & Retrieval, Information Source & Services & Information Needs and Information Access	31	Ph.D-12 M.Phil-20

English

Name	Qualification	Designation	Specialization	No. of Years of Experience in Research/ Teaching	No. of Ph.D./M.Phil. students guided for the last 4 years
Prof. Himansu S. Mohapatra	Ph.D (East Anglia UK)	Professor	Critical Theory, Fiction, Comp. Litt.	34	M.Phil :10 Ph.D:07
Prof. Jatindra K. Nayak	M.Litt (Oxon) Ph.D	Professor	Fiction, Translation, Comp.	36	M.Phil: 09 Ph.D:05

Name	Qualification	Designation	Specialization	No. of Years of Experience in Research/ Teaching	No. of Ph.D./M.Phil. students guided for the last 4 years
			Litt.		
Dr.Kalyani Samantray	Ph.D (CIEFL)	Reader	Linguistics, Stylistics, Research Methodology, Materials Production	33	M.Phil: 08 Ph.D:08
Dr. A.J. Khan	Ph.D	Sr. Lecturer	Commonwealth Litt., Comp. Litt., Literary History,	20	M.Phil: 12 Ph.D:02
Pulastya Jani	M.Phil	Lecturer	Professional Writing, ICT, Post Colonial Litt.	1	M.Phil: 0 Ph.D:0

Geography

Name	Qualification	Designation	Specialization	No. of years of experience Research/ Teaching	No. of Ph.D./M.Phil. Students Guided for The last 5 years
G.K.Panda (Rtd)	M.Sc,M. Phil,Ph.D	Professor	Physical Geography, Natural Hazards and Disaster Management	30	M.Phil- 4 Ph.D- 3
P.K.Kar(Rtd)	M.Sc,M. Phil,Ph.D	Professor	Regional planning,Environmental Geography	28	M.Phil- 2 Ph.D-2
K.M.Sethy	M.A,M.Phil,Ph.D	Professor	Urban and Regional Planning, Environmental Geography	25	M.Phil-4 Ph.D-3
K.C.Rath	M.A,M.P	Reader	Urban and Regional	18	M.Phil-4

	hil,Ph.D		Planning and Environmental Geography		Ph.D- 2(cont.)
D.Panda	M.Sc,Ph. D	Reader	Physical Geography,Natural hazard and disaster management,RS&GI S	21	M.Phil-9 Ph.D- 1(cont.)

Geology

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. Students guided for the last 4 Years
Dr. P. Behera	Ph. D.	Professor (Retd.)	Coal Geology		Ph.D. – 04 M.Phil-04
H.K. Sahoo	Ph. D.	Professor (Retd.)	Hydrogeology		Ph.D. - 08 M.Phil-04
Dr. P. Singh	Ph. D.	Professor (Retd.)	Ore Geology		Ph.D. - 03 M.Phil-04
Dr. Madhumita	Ph.D.	Professor	Igneous Petrology, Industrial minerals, Hydrogeology	35 years	Ph. D. – 02 M. Phil.- 05

Rabindra Nath Hota	D. Sc.	Professor	Sedimentology, Geostatistics and Groundwater	29 years	Ph. D. – 03 M. Phil.- 04
D.S. Pattanaik	Ph.D.	Reader and Head	Coal Geology, Hydrogeology, Remote sensing	26 years	Ph. D. – 04 M. Phil.- 05
Dr. B.K. Rath	Ph.D	Reader	Ore Geology, Environmental Geology	28 years	Ph.D.-Nil M.Phil-04
Dr. Devananda	Ph.D.	Lecturer	Ore Deposit, Structural Geology, Disaster Management	11 yrs	Ph.D.-02 M.Phil-05
K.R. Mallick	M.Sc.	Lecturer	Micropaleontology, Biostratigraphy, Paleooceanography	4 yrs	Ph.D.-Nil, M.Phil-Nil

History

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D/M.Phil. Students
------	---------------	-------------	----------------	----------------------------	------------------------------

					guided for the last 4 Years
Prof. Amal Kumar Mishra	Ph.D.	Professor	Modern History	37	M.Phil-8 Ph.D-4
Prof. Basanta Kumar Mallik	Ph.D.	Professor	Medieval History	28	M.Phil-10

Law SSR

Name	Qualification	Designation	Specialization	No of Years of Experience (Research & Teaching)	No of Ph.D./ M.Phil. students guided for the last 4 years
Prof. P.K. Sarkar, Retd (Upto May 2013)	Ph.D	Professor	Commercial Law	35 years	Guided- 10 Awarded-07
Prof. P.C. Mishra, Retd (Upto Oct, 2010)	Ph.D	Professor (CAS)	Family Law	33 years	Guided- 07 Awarded-03
Prof.P.K.Pattnaik, Retd (Upto June 2014)	Ph.D	Professor (CAS)	Criminal Law & Commercial Law	32	Guided- 06 Awarded-08
Dr.D.C. Mohapatra, Retd (Upto Feb 2012)	Ph.D	Reader	Commercial Law	29	Guided-05 Awarded-01
Dr.Madhu Sudan Dash (Contuining)	Ph.D	Reader	Business law	27	Guided- 10 Awarded-04
Dr.Gyanendra Kumar Sahu (Contuining)	Ph.D	Lecturer	Business law	6	None

ODIA

Name	Qualification	Designation	Specialization	No. of year of Experience	No. of Ph.D./M.Phil. students guided for the last 5 years
Dr. Santosh Kumar Tripathy	Ph.D.	H.O.D., Associate Professor / Reader	Modern literature , literary theories- Western and Eastern language and grammar / Comparative literature	1991 to 96 - 5 years at +3 level 1996 to till date-20 years at P.G. level 19 years in research guidance	Ph.D. – 8 scholar Ph.D. - 8 (Contd.) M.Phil–13 scholar
Dr. Narayan Sahoo	D.Litt.	Professor	Drama / Folk Literature	25 years at P.G. level 20 years in research guidance	Ph.D. – 8 scholar Ph.D. 12 (Contd.) M.Phil–16 scholar
Dr. Udayanath Sahoo	D.Litt.	Professor	Ancient & medieval literature with modern poetry	28 years at +3 level 6 years at P.G. level 8 years in research guidance	Ph.D. – 6 scholar Ph.D. 12 (Contd.) M.Phil–14 scholar
Dr. Bishnupriya Chaitanya	D.Litt.	Associate Professor, Reader	Modern Fiction, Drama	28 years at +3 level 10 years at P.G. level	Ph.D. – 8 scholar Ph.D. 8 (Contd.) M.Phil–10 scholar

Sri Anpa Marndi	M.Phil	Associate Professor, Lecturer	Drama	8 years at +3 level 1 year at P.G. level	Nil
Dr. Bijoy Ku. Satapathy	D.Litt.	Professor (2010-12) Retd.	Drama	30 years P.G. level	Ph.D. – 18 scholar M.Phil–62 scholar
Dr. S. Mishra	D.Litt.	Professor (2010-13) Retd.	Drama	30 years P.G. level	Ph.D. – 21 scholar M.Phil–56 scholar
Dr. S. C. Rath	Ph.D.	Professor (2010-14) Retd.	Riti Sahitya	30 years P.G. level	Ph.D. – 17 scholar M.Phil–54 scholar

PMIR

Name	Qualification	Designation	Specialization	Years of Experience	Ph.D./M. Phil. students guided last 4 years
Dr. S. K. Tripathy	Ph.D.	Professor	HRM	25	Ph.D.-03(Awd) -8(working) M.Phil.-10(Awd) -3(working)
Dr. K. Mohanty	Ph.D.	Reader	Man Power Planning	25	Ph.D.-05 (Awd) -8 (Working) M. Phil.-09(Awd) -03(Working)
Dr. S. Murmu	Ph.D.	Lecturer	IR	11	M. Phil.-02(Awd) -03 (Working)
Mr. K. C. Das	M. Phil.	Lecturer	Law	04	-
Prof B N Mishra	Ph.D.	Professor	OB & social	34	Ph.D. – 03(Awd)

		(retd - 2013)	security		- 04 (working) M.Phil – 04(Awd)
Prof K M Sahoo		Ph.D. Professor (retd - 2013)	IR	26	Ph.D. -01(Awd) - 04(working) M.Phil.- 03(Awd)

Philosophy

Name	Qualification	Designation	Specialization	No.o f years of experience	No.of Ph.D/M.P hil Students Guided
Dr. Sudhakar Jally	Ph.D.	Lecturer	Indian Philosophy Comparative Religion Philosophy of Value	11	M.phil-21
Dr. Alakananda Parida	Ph.D.	Lecturer	Philosophy of Religion	05	M.phil-18

Prof. Aditya Kumar Mohanty	Ph.D.	Professor (Retired on 29-02- 2012)	Indian Philosophy, Analytical philosophy	30	M.phil- 120 Ph.D-10
Prof. Sarat Chandra Panighrahi	Ph.D.	Professor (Retired on 30-07- 2013)	Indian philosophy and philosophy of value	35	M.phil- 130 Ph.D-8
Prof. Ramesh Chandra Das	Ph.D.	Professor (Retired on 31-01- 2014)	Formal Logic (Indian and Western)	29	M.phil-15 Ph.d-2

Physics

Name	Qualification	Designation	Specialization	No. of years of experience Research/ Teaching	No. of Ph.D./ M.Phil. Students Guided for the last 4 years
Swapana Mahapatra	Ph. D	Professor & Head	High Energy Physics, Gravitation and Cosmology	25 years	M.Phil-6 Ph.D-3 (Cont.)
Seshansu Sekhar Pal	Ph.D.	Reader	High Energy Physics	12 years	
Prafulla Kumar Panda	Ph.D.	Reader	Nuclear and High Energy Physics	20 years	
Pramoda K. Samal	Ph.D.	Lecturer	Cosmology	5 years	M.Phil-5
Jagadish Kumar	Ph.D.	Lecturer	Nonlinear Dynamics	5 years	
Bhagban Kissan	M.Sc, (Ph.D.Thesis to be submitted)	Lecturer	Experimental Condensed Matter Physics		
Ramakanta Naik	Ph.D.	DST-INSPIRE Faculty	Experimental Condensed Matter Physics	5 years	M.Phil-7 Ph.D-2 (Cont.)
Prof.P.Khare	Ph.D.	Professor (Retired on 31.01.2010)	Astrophysics	32 years	

Prof. L.Maharana	Ph.D.	Professor (Retired on 30.04.2010)	High Energy Physics	25 years	
Prof. K.Maharana	Ph.D.	Professor (Retired on 31.01.2011)	High Energy Physics, Gravitation and Cosmology	31 years	M.Phil-3
Prof. D. K.Basa	Ph.D.	Professor (Retired on 30.11.2014)	Experimental Condensed Matter Physics	32 years	M.Phil-1
Prof. N. C.Mishra	Ph.D.	Professor (Retired on 30.06.2015)	Experimental Condensed Matter Physics	30 years	M.Phil-9 Ph.D-2

Political Science

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. Students Guided for the last 4 years
Prof. Brahmananda Satapathy	M.A, M.Phil, Ph.D	Professor	International Politics, Political Theory and Analysis	28 years: Under Central University, Arunanchal-5, Utkal University: 23	MPhil: 12, PhD: 3 awarded and (10 registered)
Prof. Narottam Gaan	M.A, M.Phil, Ph.D	Professor	International Politics, Environmental Security	37 years: Under Pvt aided colleges-32	MPhil: 12, PhD: 10 awarded and

				yrs, Utkal University: 5	(8 registered)
Dr. Smita Nayak	M.A, M.Phil, Ph.D	Reader	State and Local Governance, Gender Studies ; and Public Administration	25 yrs: SSB-2 yr, Utkal University-23	MPhil: 10, PhD: 2 awarded and (6 registered)
Dr. Anil K. Mohapatra	M.A, LLB, M.Phil, Ph.D	Lecturer	International Relations (South Asia), Indian Government and Politics	13 Yrs: Under Pvt. Aided College: 8 and Utkal University: 5 Yrs [excluding 9 yrs as Junior Lecturer (OES-II-HSB)]	MPhil: 11, PhD: 1 awarded and (4 registered)
Dr. Seema Mallik	M.A, M.Phil, Ph.D	Lecturer	Society and Polity in India, Democracy, Development and Political Economy of India	5 yrs: Under Utkal University: 5 Yrs [excluding 11 yrs as Junior Lecturer (OES-II-HSB)]	MPhil: 10 and PhD (4 registered)

Psychology

Name	Qualification	Designation	Specialization	Years of Research and Teaching Experience	No. of Ph.D./ M.Phil. Students guided for the last 4 Years
Prof. P.K Mishra	Ph.D (Utkal) Retired on 31.07.2012	Professor	OB and HRD	34	Ph.D-2 M.Phil-8
Prof. N.C Pati	D.Litt (Utkal) Retired on 29.02.2012	Professor	Comparative and Physiology and Special education	34	Ph.D-2 M.Phil.-3

Dr. Nirlipta Pattnaik	Ph.D (Utkal) Retired on 31.10.2013	Reader	Educational and Counselling	33	M.Phil.-3
Dr.Pratap Kumar Rath	Ph.D.(Exeter)	Reader	Statistics and Methodology, Social Psychology and Counselling	36	Ph.D-2 M.Phil.-12
Dr.Namita Mohanty	Ph.D. (JNU)	Reader	Life span developmental Psychology, Guidance & Counselling	30	Ph.D-2 M.Phil-15
Dr. Sangeeta Rath	Ph.D. (Utkal) (on Lien from March, 2014)	Reader	Social Psychology and Industrial Psychology	24	Ph.D.- 4 M.Phil.-8
Smt. Namita Das	M.Phil. (Utkal)	Lecturer (SG)	Physiology and Comparative Psychology and Statistics	33	M.Phil.-12
Dr Manaswini Dash	Ph.D. (Utkal)	Lecturer (Contractual)	Comparative physiology, cognitive psychology	1 and ½ years (1.10.2010 to 31.03.2012)	M.Phil.-12
Mrs. Mousami Sethy	M.Phil. (Utkal)	Lecturer in Psychology	OB & HRD	7 months	
Ms. Lucy Sonali Hembram	M.Phil. (Utkal)	Lecturer in Psychology	OB & HRD	7 months	

Public Administration

Name	Qualification	Designation	Specialization	No. of years of Experience- Teaching/resea rch	No. of Ph.D./ M.Phil. Students Guided for the last 4 years
N. Pani	Ph.D. ,D.litt	Professor	Administrative Theory Resource Management Organization Behavior	28Years Research experience	Ph.D (awarded)-07 Ph.D(cont.)-03 M.phil-08
P. Mahapatra	Ph.D.	Associate Professor/ Reader	Women studies Indian Administration Indian policy	28Years	Ph.D (awarded)-01 Ph.D(cont.)-08 M.phil-14

S. Tripathy	Ph.D.	Associate Professor/Reader & Head	Administrative thought & Theory Development Administration Women Studies	28 Years	Ph.D (awarded)-02 Ph.D(cont.)-05 M.phil-15
J.Tudu	M.Phil (Ph.D continuing at JNU. Delhi)	Assistant Professor/Lecturer	Comparative Public Administration Financial Administration in India	08 Years	M.Phil-02
Prof. Bijoyini Mohanty	Ph.D, D.Litt.	Professor(expired on 16.09.2013)	Local Governance	30 Years	Ph.D (awarded)-03 M.Phil-56

Sanskrit

Name	Qualification	Designation	Specialization	No. of Years of Experience/ Research/ Teaching	No. of Ph.D./ M.Phil. Students guided for the last 4 Years
Radhamadhab Dash	Ph.D.	Professor (Direct)	Literature & Grammar	32 years	Ph.D. – 03 M. Phil. – 17
Prativa Manjari Rath	Ph.D.	Professor (CAS)	Literature & Veda	28 years	Ph.D. – 03 M.Phil. – 06
Subash Chandra Dash	Ph.D.	Reader (CAS) & Head	Indian Philosophy, Literary criticism, Pali, Buddhism & Manuscriptology	25 years	Ph.D. – 07 M.Phil. – 04
Niranjan Sabar	Ph.D.	Lecturer	Literature & Manuscriptology	11 months	Himself awarded Ph.D. from Pondicherry University 2015

Sociology

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D/ M.Phil. Students Guided for the last 4 Years
Navaneeta Rath	Ph.D.	Professor	Gender Studies	26 years	Ph.D.-2 M.Phil.-07
M.G.Bage	Ph.D.	Reader	Tribal Studies	31 years	Ph.D.-5 M.Phil.-10
R. Garada	Ph.D.	Sr.Lecturer	Development, Displacement and Rehabilitation	19 years	M.Phil.-08
S.Soren	M.Phil.	Lecturer	Voluntary sector Studies	1 year 8 months	

Mathematics

Name	Qualification	Designation	Specialization	No. of Years of Experience (Teaching & Research)	No. of Ph.D./M.Phil. Students guided for the last 04 yrs.
Dr. J. Patel	Ph. D.	Professor	Complex Analysis	33 Yrs.	Ph.D.-02 (submitted) M. Phil.-10
Dr. N. Das	Ph. D.	Professor	Operator Theory	28 Yrs.	Ph.D. -03 M. Phil.-12
Dr. S. Dutta	Ph. D.	Reader	Functional Analysis	34 Yrs.	Ph.D. -01 M. Phil.-13
Dr. A. Nath	Ph. D.	Lecturer	Analysis	19 Yrs.	M. Phil.-14

Statistics

Name of Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil Students guided for the last 4 years
P.K.Tripathy	M.Sc., Ph.D.	Professor	Operations Research.& Demography	30	Ph.D. 12, M.Phil. 22
K.B.Panda	M.Sc., M.Phil., Ph.D.	Reader	Survey Sampling Linear Model & Regression Analysis	25	M.Phil 09
R.K.Sahoo	M.A., M.Phil., Ph.D.	Lecturer	Survey Sampling, Image processing, Demography, Inference	15	Ph.D. 1, M.Phil. 07
Name of Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil Students guided for the last 4 years
P.K.Tripathy	M.Sc., Ph.D.	Professor	Operations Research.& Demography	30	Ph.D. 12, M.Phil. 22
K.B.Panda	M.Sc., M.Phil., Ph.D.	Reader	Survey Sampling Linear Model & Regression Analysis	25	M.Phil 09
R.K.Sahoo	M.A., M.Phil., Ph.D.		Survey Sampling, Image processing, Demography,		Ph.D. 1,

		Lecturer	Inference	15	M.Phil. 07
--	--	----------	-----------	----	------------

Zoology

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D./M.Phil students guided for the last 5 years
Prof. A.K. Patra	Ph.D.	Professor	Environmental biology**	28	Ph.D.=12, M.Phil=14
Prof. S. Das	Ph.D.	Professor	Neurobiology*	31	Ph.D.=01, M.Phil=8
Prof. P. K. Mohanty	Ph.D.	Professor	Cytogenetics	33	Ph.D.= 11, M.Phil=16
Prof. P. K. Mahapatra	Ph.D.	Professor	Developmental Biology	20	Ph.D.=5, M.Phil=15
Dr. G. Sahoo	Ph.D.	Reader	Cytogenetics	15	PhD=3, M.Phil.=10
Dr. S. S. Nishank	Ph.D.	Lecturer	Human Genetics	3	Nil

2.4.3 Does the University encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

The University encourages diversity in faculty recruitment by open advertisement in national News papers and University website. For details please see SSR of individual Departments.

2.4.4 How does the University ensure that qualified faculties are appointed for new programmes / emerging areas of study (Bio-technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programs during the last four years?

Utkal University strictly follows the UGC norms for all faculty appointments. In emerging areas of study that are interdisciplinary in nature, wherever needed, guest faculty from Institutions, industry are invited to take classes.

However, Opening of New Departments and associated teaching posts is completely dependent on the support of the State Government. University has already established Bio-Technology Department with assistance of DBT, Government of India and recently 3 new teachers have been recruited.

The University has restructured and introduced new courses in tune with the emerging requirements.

M. Ph. : Masters in Public Health

B. Sc. Nursing in affiliated Colleges

M.Sc. in Polymer Science

M Phil (Applied Psychiatry) for Mentally Challenged in affiliated college

B. Ed. (Special) for Mentally Challenged

2.4.5 (How many Emeritus/Adjunct Faculty/Visiting Professors are on the rolls of the University?)

Name of the Department	Adjunct Faculty	Visiting professor	Emeritus professor
AIHCA	1	Nil	Nil
Botany	Nil	1	4
Biotechnology	Nil	Nil	1
Chemistry	Nil	5	Nil
Geology	Nil	1	3
Mathematics	Nil	4	Nil
Political Science	Nil	2	Nil
Physics	Nil	6	Nil
Psychology	Nil	1	1
Sanskrit	Nil	3	Nil
Statistics	Nil	Nil	1
Zoology	Nil	2	2
Total	1	25	11

2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers? (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)?

The following steps are put in place to academically recharge and rejuvenate teachers:

- (a) Teachers are allowed study leave and sabbatical leave to pursue research.
- (b) Teachers are encouraged to attend Seminars Conference outside the country.
Travel grants are also provided out of unassigned grant.
- (c) Teachers are provided duty leave to attend Refresher, Orientation and other short duration programs both inside and outside the University.
- (d) Teachers are also encouraged to seek funds from various state, national and international funding agencies.

2.4.7 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

Department	Teacher	Awards/ Honours
A & AE	Dr. A. Das	Best Paper Award from National Institute of Public Finance and Odisha Environmental Congress. 1 st Prize in 10 th Global conference for research.
Anthropology	Prof. K.K.Basa	Member Think Tank (Anthropology) Govt. of India
Botany	Prof. AB Das	Samanta Chandra Sekhar award from Odisha Vigyan academy.
Chemistry	Prof. P.K Sahoo	Samanta Chandra Sekhar award from Odisha Vigyan academy.
	Dr. S.K Badmali	Young Scientist award from Chemical research Society.
	Dr. A.K Behera	National award for innovation from Government. of India.
English	Prof. J. Nayak	Prafulla Das anubad sahitya Samman.

Geology	Dr. R.N Hota	UGC Research Awardee
Odia	Prof. N. Sahoo	Sahitya Academy Award
	Dr. A. Marandi	Kendriya Sahitya Academy Yuva Puraskar.
PMIR	Prof. S.K Tripathy	Chaired a session in International Seminar at Nepal.
Physics	Dr. S. Mohapatra	Chair Person Strings, TIFR. Max Planck institute fellow.
Zoology	Prof. P.K Mohanty	Odisha Vigyan Prachar samiti award.
	Dr. P.K. Mohapatra	Odisha Vigyan Prachar samiti award.
	Dr. G.Sahoo	Erasmus Musndus India To Europe Fellowship

- Nearly 200 students have received different awards from various organizations.
- Government of Odisha and Universities of Odisha are yet to institute best teacher award.

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

Department to provide

Department	No. of Teachers undergoing training	28 days orientation programme	21 days refresher course	Other Faculty recharging programme (2days-2Weeks)
A & AE	4	4	4	19
AIHCA	3	1	2	9
Anthropology	3	3	1	13
Bio-Technology	4	1	1	2
Botany	1	1	3	4

Chemistry	4	2	1	4
Commerce	3	1	5	40
Computer Sc.	6	0	1	2
English	2	1	2	1
Geography	1	0	2	0
Geology	2	1	0	5
History	3	1	0	5
Law	1	0	2	2
Lib.Sc.		0	0	0
Math	2	0	3	0
Odia		0	0	0
PMIR	1	0	0	2
Philosophy	2	0	1	2
Pol.Sc.	3	0	3	1
Physics	3	1	0	3
Psychology		0	0	0
Pub. Ad.	2	3	0	0
Sanskrit		0	0	0
Sociology	1	1	1	1
Statistics	1	2	0	3
Zoology	2	1	4	2
Total	51	22	36	85

Besides above, the Academic Staff College has conducted 80 programmes for constituent colleges, P.G Departments and affiliated colleges. The Academic staff college has trained more than 3000 teachers in last four years.

2.4.9 How often does the University organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

The following activities were under taken for academic development of the university:

2010-2011:

- Workshops were organised to discuss quality initiatives required to develop the employability of students.

2011-2012:

- Prof. Ranganathan, Director, NAAC, Bangalore visited our university and delivered an inspirational talk. Galvanizing the stakeholders for quality improvement initiations.

2012-2013:

- Workshop was organized to design PG Syllabus under CBCS.

2013-2014:

- All PG courses were redesigned on the basis of Choice Based credit System (CBCS).

2014-2015:

- Preparation of course curriculum/syllabi/regulations for all UG courses on the basis of CBCS guidelines of UGC.
- Organised seminars in collaboration with University Employment Information and Guidance bureau and Placement Cell for employability and skill development.
- Workshop in collaboration with DDCE was organised for the development of e-resources.
- Skill development initiatives were undertaken in collaboration with the Departments of the university.

2.4.10 Does the University have a mechanism to encourage Mobility of faculty between universities for teaching? Faculty exchange programmes with national and international bodies? If yes, how have these schemes helped in enriching the quality of the faculty?

Utkal University has MOU with University of Tubingen, Germany and CIPET, Government of India where faculty exchange programs happen. However, more than 50 teachers have visited other universities for short term teaching engagements. Acute shortage of faculty hinders this. Similarly, more than 100 faculty from other universities visited us which have been very much encouraging for the students and faculty members as well.

2.5 Evaluation Process and Reforms

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

The evaluation process is explained to the students during the induction sessions. For courses offered at affiliated colleges, periodically Principals' conferences are organized and they are oriented about the evaluation process. They in turn educate college teachers and students. The teachers of affiliated colleges are involved at every stage and they ensure that the students are aware of the system. The online information bulletin provides information about the evaluation process to all the stakeholders.

Moreover, notices are also given in our website. In case of major changes, briefing through news papers is also done. Periodical meetings with Controller of Examinations and Teachers-in-charge of Examination are held.

2.5.2 What are the important examination reforms initiated by the University and to what extent have they been implemented in the University departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

- Online form fill up introduced since 2011 issuance of online University Registration Number , Admit Card and Mark sheet introduced since 2011
- Tabulation Register preparation through software is in place.
- Result is published in the University website. (i.e. 16-20 scripts) is now numbered and tracked.
- In the University Departments and autonomous colleges, CBCS system has been adapted since 2013-2014 and 2015-2016 academic sessions, respectively.
- Computerizations of three Degree Examinations have made it possible to publish the result by end of April for last two years. As a process, the PG Department Academic session even for freshers starts in the month of July. Besides, our students join other important Universities without loss of a year. There is positive impact of all reforms undertaken by us.

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the University for the publication of examination results (e.g. website, SMS, email, etc.).

Examination	Month of conduct of final year exam.	Publication of results				
		2011	2012	2013	2014	2015
+Degree	Mar-April	31.5.11	30.5.12	28.5.13	30.4.14	28.4.15
P.G. Regular Subjects	April-May	13.7.11	30.7.12	29.7.13	23.7.14	17.7.15
P.G. SFC courses	May-June	30.7.11	30.7.12	6.8.13	25.7.14	29.7.15
LAW	May-June	23.8.11	17.8.12	17.8.13	21.8.14	13.8.15
MBBS	May-July	14.9.11	12.9.12	26.9.13	26.9.14	14.8.15
MD-MS	April	29.7.11	24.7.12	25.7.13	2.8.14	-
BDS	September	17.11.11	22.11.11	11.9.13	12.11.14	4.11.15
BAMS	May-June	21.9.11	4.11.12	4.9.13	11.9.14	23.9.15
BPT-BOT	July	28.10.11	31.10.12	5.11.13	4.11.14	28.10.15
BASLP	July	20.10.11	25.10.12	23.10.13	10.11.14	13.10.15
BEd/MEd	July	23.11.11	29.11.12	6.12.13	28.11.14	-

Results are published within 45 days of end of the examinations which becomes available in the University website. Besides, hard copies of certificates and mark sheets are sent immediately to all colleges and institutes.

2.5.4 How does the University ensure transparency in the evaluation process? What are the rigorous features introduced by the University to ensure confidentiality?

- In the PG Departments, the teachers show the answer scripts to the students and counsel them for improvement.
- All students can apply for re-addition of marks on payment of Rs. 50/-
- All students can seek a photocopy of their answer scripts.
- The scripts are stored for 6 months.
- Standard security measures for confidentiality in preparation, printing and distribution of question papers are in place since inception. Questions are dispatched through University transport in two or three lots. There has not been any leakage of questions during the last.
- Moderation system is in place. Security at each level is ensured.

2.5.5 Does the University have an integrated examination platform for the following processes?

- The registration of students, issue of admit cards, issue of appointment letters to the examiners, generation of presence-absence statements, transfer of marks from the valuation zone to the computer system are made online under Utkal University EMS (UEMS).
- Results are hosted in the UUEMS website. Further, the tabulation register, mark sheets and provisional certificates are sent to the colleges online.
- The grievances of students are addressed within the stipulated period of time.
- Steps are being taken to integrate the post graduate and professional examinations under UUEMS.

2.5.6 Has the University introduced any reforms in its Ph.D. evaluation process?

- Pre Ph.D. course has been introduced as per UGC norms.
- One publication in referred journal has been made compulsory for submission of the Ph.D. thesis.
- University has a two tier system, University Research Committee and Subject Research Committee. All Seminars and viva are open. University would soon join Sodhaganga and procure anti- plagiarism software. The thesis is adjudicated by two out State examiners excepting Odia language.
- Synopsis, pre submission presentation and seminar presentation during viva voce examinations are compulsory in the evaluation process. Seminar presentation is also compulsory for renewal beyond five years.

2.5.7 Has the University created any provision for including the name of the college in the degree certificate?

Name of the college has always been provided in mark sheet and certificate.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

- All malpractice cases are placed before the malpractice Committee and the students are given an opportunity to defend.
- There is a statutory University examination committee where grievances are placed.
- There is also Conducting Boards for each examination which considers complaints about question paper and evaluation.
- The Vice- Chancellor also acts as an appellate authority.

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

The University has adapted an integrated examination platform under UUEMS (Details at 2.5.5). It covers approximately 1.5lakh students that constitutes more than 80% of the total student strength of the University.

2.6. Student Performance and Learning Outcomes

2.6.1 Has the University articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

- A minimum level of knowledge base in the Honours subject has been introduced to make the students eligible to pursue higher education. Efforts are taken to make the students having pass subjects employable.
- All the students must develop secular, scientific and democratic values to become good citizens of the country. They should all grow to be patriotic.
- All the students have to develop human values, respect for labour, gender sensitiveness, respect her human rights, environmental awareness. They must become good people.

Presently Environmental Science has been made compulsory across the streams in the Under Graduate programmes. Indian Society and Culture is also a compulsory subject. English language particularly communicative English is compulsory. Honours syllabus is as per UGC guidelines. Our curriculum facilitates development of Graduate Attributes. We have also introduced NCC as an elective.

2.6.2 Does the University have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

Yes

The stated learning outcomes are:

- Promotion of higher learning.
- Promotion of Research and Development.
- Skill development for employability.

We make the stake holders aware by:

- Putting the mission, vision and objectives of the University in web.
- Accommodating the same in the University Information Bulletin.
- Through organization of awareness camps and seminars.
- Involving alumni as the source of information.

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

- A sizeable number of students get selected in national level entrance test and opt for research as their career.
- Many students also opt for banking, civil service, judicial service etc. The university Curriculum structure certainly helps the students to excel in their future endeavor.
- University has generated students who have excelled in games and sports, leadership and social services.

2.6.4 How does the University collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

Partly the answer script, presentation, project reports etc. provide a feed back to the teachers on learning outcomes achieved. Corrective measures are taken by individual teachers. Students' placement and their success in various national and state level competitions are continuously monitored.

2.6.5 What are the new technologies deployed by the University in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

Continuous evaluation, mid-term examination, assignment, quiz, seminars, group seminars, surprise tests, group discussions etc. have improved students' performance. IT facility members in terms of computers, internet connectivity, availability of open sources, INFLIBNET etc. facilitates our learning process. Updated curriculum following the UGC model enables students to meet the challenges.

University articulated graduate attributes in the following manner:

- By clearly putting the attributes in its mission and vision of the University.
- Nurturing the inherent talents of new generation students through various workshops, seminars and development programmes.
- Inculcating the spirit of disciplines and social development with the help of NSS, NCC, Sports, Yoga and others.
- From time to time University initiates and evaluates those programmes to make them more effective and result oriented. On the basis of need and demand, new programmes are evolved, developed and implemented to enrich higher dividend.

Annexure I (Sample feed back form)

UTKAL UNIVERSITY STUDENT'S FEEDBACK FORM

Name of the Department:

Year: 20__ -20__

Name of the Instructor:

Name of the course:

COURSE: (Please circle the appropriate number against each question.)

1. How eager were you to take this course at the beginning of semester?
Would Not Have Taken *Really Looked Forward to it*
If I did not have to 1 2 3 4 5
 2. Is the course presented with optimum rate?
Too Fast 1 2 3 4 5 *Too Slow*
 3. Is the course presented with optimum depth?
Too Easy / Boring 1 2 3 4 5 *Too Hard*
 4. How would you rate the contribution of the text book to the course?
Poor 1 2 3 4 5 *Excellent*
 5. Was the course intellectually stimulating?
Boring 1 2 3 4 5 *Very Stimulating*
 6. How well do you think the material presented in the course is helpful in preparing for other examination?
Not at all 1 2 3 4 5 *Very Well*
 7. Are the assigned problems/cases/assignments worth the time spent on them?
Do they act as a valuable learning experience?
Not Worthwhile 1 2 3 4 5 *Very Worthwhile*
 8. Do you think that the assigned problems/cases/assignments should have been solved in the class?
Not at all 1 2 3 4 5 *All of them*
 9. Did you enjoy the course?
Not at all 1 2 3 4 5 *Very Much*
 10. In general, how would you rate this course?
Definitely Interior 1 2 3 4 5 *One of the Best*
 11. Did you ask questions in the class?
Not at all 1 2 3 4 5 *Many*
 12. Your attendance in this course
Less than 60% 1 2 3 4 5 *More than 95%*
- INSTRUCTOR:**
13. Did the instructor take the classes regularly?
Not at all 1 2 3 4 5 *Very regularly*
 14. Did the instructor give you adequate feedback in evaluating your knowledge and understanding of the course material?
Very Inadequate 1 2 3 4 5 *Very adequate*
 15. How effectively does the instructor communicate his/her knowledge?
Not at all 1 2 3 4 5 *Very Effectively*
 16. How well does the instructor answer the questions?
Not at all 1 2 3 4 5 *Very well*
 17. Does the teacher evaluate your answers fairly?
Definitely Fair 1 2 3 4 5 *Most unfair*
 18. Does the teacher take a genuine interest in his/her students? Is he/she sincerely motivated to help them to learn?
Seems Indifferent 1 2 3 4 5 *Goes out of way to be helpful*

19. In general, how would you rate this instructor?

Definitely Inferior ***1*** ***2*** ***3*** ***4*** ***5*** ***One of the best***

20. Did the instructor inspire and motivate the student's interest in the subject?

Very well ***1*** ***2*** ***3*** ***4*** ***5*** ***Not at all***

21. In general, how would you rate the academic atmosphere of your Department?

Very poor ***1*** ***2*** ***3*** ***4*** ***5*** ***Very good***

Signature (Optional) :

(Please Turn Over to write any subjective comment on Teaching, Subject Content and additional constructive feedback which might help in improving the class.) (Optional)

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 PROMOTION OF RESEARCH

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

Recognising that research, consultancy and extension are essential components of higher education, the university has constituted a research committee to monitor and address all the issues related to research. This committee allocates unassigned funds received from the UGC. Besides it also allocates funds received from institutions like DBT, DST, and such other agencies. Faculty members of the Departments are encouraged to get projects from various funding agencies. The projects are generally individual as well as Departmental projects in which faculty members are involved individually as well as in collaborative research work at the National and International level. Both curiosity driven and mission mode research are being undertaken. The R&D committee evaluates minor and major research projects to be recommended for funding by various organizations. Fund allocation, examination of proposals, monitoring of progress, completion and UC submission are all relating to research is monitored by this committee. A professor in charge of research and development is the administrative head looking after this. The university did not have such a position prior to 2009. The present R&D committee consists of the following members:

- 1.Prof.Swapna Mahapatra (Professor in-Charge, R&D) (Department of Physics)
- 2.Prof. Ranjan Kumar Bal (Department of Commerce)
- 3.Prof. Kishore Kumar Basa (Department of Anthropology)
- 4.Prof. Namita Mohanty (Department of Psychology)
- 5.Prof. Himansu Sekhar Mohapatra(Department of English)
- 6.Prof. Anatha Bandhu Das (Department of Botany)
- 7.Prof.Pravati Kumari Mahapatra (Department of Zoology)

Besides the above, there is another committee named as University Research Committee (URC). The URC is responsible for monitoring doctoral research. All aspects of Ph.D program are monitored by this group. It also considers negative reports from the examiners of Ph.D thesis. Presently the constitution of the URC is as follows:

- 1.Prof. Asoka Kumar Das, Vice-Chancellor, Utkal University (Chairman)
- 2.Chairman, P.G. Council, Utkal University
- 3.Director, Higher Education, Govt. of Odisha
4. Prof. P.K.Chand (Department of Botany) Utkal University
5. Dr. P.C.Mohapatra (Principal, SCB Medical College and Hospital, Cuttack)
- 6.Prof. K.K.Basa (Department of Anthropology) Utkal University
- 7.Professor in-Charge,R&D, Utkal University
- 8.Director, DDCE, Utkal University (special Invitee)
9. Controller of Examinations, Utkal University (Convenor)

Both the committees function under the direct supervision of the Vice-chancellor. Research monitoring is an important component of Vice Chancellor's focus.

Recently two publications were made compulsory before submission of thesis for those who have exceeded 8 years. Presently no extension is being allowed beyond 8 years. University has also planned to install anti plagiarism software and to join the Sodhaganga. The regulations governing D.Sc., D. Litt. and LLD have been modified.

3.1.2 What is the policy of the University to promote research in its affiliated / constituent colleges?

The university examines research proposal from its affiliated and constituent colleges and forwards them to various funding agencies. University generally monitors research projects of the colleges. The university has no resources of its own to fund any research projects at colleges. The Director, College Development Council looks after this aspect. During College inspection, the visiting team makes various suggestions regarding facilitation of research at the colleges. The Vice Chancellor's visits to the colleges are aimed at facilitating a research culture.

3.1.3 What are the proactive mechanisms adopted by the University to facilitate the smooth implementation of research schemes/ projects?

Advancing funds for sanctioned projects: This is allowed under exceptional cases only.

Providing seed money:

The University's financial position doesn't permit us to provide seed money. However, a proposal has been made to the Government for providing a start up grant to the new recruits. However, all the fresh lecturers are encouraged to apply for seed funding from other funding agencies.

Simplification of procedures related to sanctions / purchases to be made by the investigators:

The Odisha Government financial rule is followed. There is a proposal to follow the Government of India financial rules for funds provided by central government. The University has formed a Purchase committee and a Technical Committee for purchase of sophisticated instruments.

Autonomy to the principal investigator/coordinator for utilizing overhead charges:

Presently the overhead charges are retained by the university. This policy is being revisited.

Timely release of grants: Funds are released timely.

Timely auditing: Timely auditing is done. Timely UC is being sent.

Submission of utilization certificate to the funding authorities : Yes.

The Vice Chancellor is reviewing the entire process and new guideline will be issued very soon.

3.1.4 How is interdisciplinary research promoted?

Between/among different departments of the University

There is a healthy cooperation between various departments. A school of Mathematics, Statistics and Computer Science has been established and they collaborate with each other. Similarly Zoology, Botany and Biotechnology collaborate for research in life science. The Anthropology Department collaborates with departments of Botany, Biotechnology and with Ancient Indian History, Culture and Archaeology. Department of Physics, Chemistry and Biotechnology have collaborative research work. Commerce, economics, PMIR and management departments work mutually together. There is also a collaboration between Odia and the Computer science department on script recognition research. Almost all the departments collaborate with their allied departments. Centres like women's study and population research draw departments like sociology, Anthropology and public administration together.

Department of Physics has collaborative research work with National Institutions like Institute of Physics, NISER, IIT Bhubaneswar as well as with BARC, TIFR, IISc, IISER Bhopal, IUAC New Delhi, IIT Kanpur, IGCAR Kalpakam, IIT Guwahati etc and International Institutions like KEK, Japan, NIKHEF, The Netherlands, University of Utrecht, The Netherlands, ITP, Lisbon, Departamento de Física, CFM, Universidade Federal de Santa Catarina, Brazil; University of Pisa, Italy, University of New South Wales, Australia etc. Similarly the Life Science Departments have collaboration with Institute of Life Science etc. The Anthropology dept has collaborations with University of Tuebingen, Germany; Deccan College, Pune, IGRMS, Bhopal and OIMSEAS, Govt. of Odisha.

Detailed information of the projects and research are available vide 3.2.3.

3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the University to promote a research culture on campus.

A sensitization program was conducted in 2010-11 to equip the teachers for writing projects. A Second sensitization program was conducted in 2014-15. Two more sensitization programs are in the pipeline. During 2010-15, the HRDC (formerly known as Academic Staff College) of Utkal University has conducted 53 refresher courses, 15 short term faculty development program, 8 orientation programs, 3 summer schools and 1 winter school.

Individual Departments have also conducted National and International Seminars, Conferences, Workshops, Symposia to update the faculty members and students regarding the recent developments in their respective fields of research. The details are given in individual departmental report.

3.1.6 How does the University facilitate Researchers of eminence to visit the campus as adjunct Professors? What is the impact of such efforts on the research activities of the University?

University has always encouraged researchers of eminence to visit our University as Visiting Professors. Departments have several program under which, eminent scientists/personalities have visited the University, delivered lectures and have interacted with the teachers and students of the departments. This has resulted in several collaborations in new research areas and have strengthened the research activities of the University. For example, in Dept of Physics, the long term collaborative research on Black hole entropy in String Theory has resulted from the visit of eminent Physicists during the International Conference “Einstein’s Legacy in the new millennium”, hosted by the Department. The International collaboration at KEK Laboratory in Japan has started after the visit of Prof. K. Abe of BELLE group at KEK and quite a few students of Physics Dept have done their Ph.D. work by spending a considerable amount of time at KEK Laboratory in Japan and continue to be associated with the new developments at KEK. The collaboration with KEK, Japan through Tata Institute of Fundamental Research has got revived. Similarly, in Biotechnology Department, the visit of Prof. N.Lenka from National Centre for Cell Science, Pune has resulted in a new collaboration. Many eminent researchers have shown their interest in visiting the Departments and discussion on collaborative research is in progress.

Following distinguished persons visited various departments of the University during 2010-15:

Ancient Indian History, Culture and Archeology

1	Prof. S.B.Otta	Regional Director, ASI	2011
2	Prof. K.B. Chakrabarti	Rabindra Bharati University	2011
3	Prof. K.Rajan	Pondicherry University	2012
4	Prof. R. Mohanty	Deccan College, Pune	2014
5	Dr. Vhuban Bikram	Superintendent Archaeologist, ASI, Agra Circle	2015

6	Prof. Gautam Sengupta	Former Director General, ASI and Prof. AIHCA, Visvabharati University	2015
7	Prof. Sadasiba Pradhan	former Professor P.G. Department of AIHCA, Utkal University	2015
8	Dr. J. K. Patnaik	Superintendent Archaeologist, ASI, Bhubaneswar	2015
9	Dr. S. K. Kar	Asst. Archaeologist, ASI, Ratnagiri Museum	2015
10	Dr. S. K. Patnaik	Secretary, Oriman Institute of maritime and south east Asean studies	2015

Anthropology

1	Prof. Abhijit Guha	Vidyasagar University	2011
2	Dr. Biswanath Sarkar	Anthropological Survey of India	2012
3	Prof. S. Walimbe	Deccan College (Deemed University), Pune	2013
4	Dr. Veena Mushriff-Tripathy	Deccan College (Deemed University), Pune	2014
5	Prof. Premananda Panda	Former Professor, Sambalpur University	2013

Biotechnology

1	Dr. T. S Rao	Sr. Advisor, DBT, Govt. of India.	2014
2	Prof. SP Adhikary	Vice-Chancellor, FM University,	2012, 2013, 2014
3	Dr. B. Ravindran	Institute of Life Science, Bhubaneswar	2012,2013,2014
4	Prof. R. Nayak	Retd. Prof. IISC., Bangalore	2012,2014
5	Dr. S. K. Roy	TezpurUniversity	2015
6	Dr. A. Dey	TMC ACTREC, Mumbai	2015
7	Dr. S. Dandapat	IVRI, Izzatnagar	2015
8	Prof. G. Balsubramanian	Annamalai University	2015
9	Prof U. B.	Director, DBT, Govt. of Odisha.	2015

	Mohapatra		
10	Prof. J.K. Pal	University of Pune	2015
11	Prof. B. C. Tripathy	Vice Chancellor, Ravenshaw University, Cuttack	2014
12	Prof. T. Mohapatra	Director, CRRI, Cuttack	2014, 2015
13	Prof. B. B. Panda	Berhampur University, Berhampur	2014
14	Prof. Santosh Kar	JNU, New Delhi	2012-14
15	Dr. Samir Patra	NIT, Rourkela	2014
16	Dr. N. Mandal	Bose Institute, Kolkata	2014
17	Dr. S. Chattopadhyaya	NISER, Bhubaneswar	2014
18	Dr. C. Goswami	NISER, Bhubaneswar	2014
19	Dr. J. Sunder Roy	CIFA, Bhubaneswar	2014
20	Dr. P. Aich	NISER, Bhubaneswar	2013, 2014
21	Prof. Amulya Panda	NII, New Delhi.	2013, 2014, 2015
22	Dr. H. K. Burman	CIFA, Bhubaneswar	2014
23	Dr. Soumen Chakarborty	ILS, Bhubaneswar	2014
24	Prof. D. Chattopadhyaya	Pro-VC, Calcutta University	2014
25	Dr. P. Singru	NISER, Bhubaneswar	2013, 2014
26	Dr. A S Ninawe	Advisor, DBT, Govt of India	2013
27	Dr. N Lenka	NCCS, Pune	2013
28	Prof. U. Pati	JNU, New Delhi	2013
29	Prof. A.K Pati	Pandit Ravi Shankar Sukla University, Raipur	2013
30	Dr. D.P. Mohapatra	University of Iowa, USA	2012
31	Dr. R. Nanda	ICGEB, New Delhi	2012
32	Dr. M.S. Rohilla	DBT, Govt. of India	2012
33	Dr. L. Bruno	University of Rome Tor Vergata	2012
34	Dr. L. Kovacic	University of Rome Tor Vergata	2012
35	Dr. T. Vengayl	DST, New Delhi	2012
36	Dr. K.S. Krishnan	NCBS-TIFR, Bangalore	2012
37	Dr B R Pattnaik	University of Wisconsin	2011
38	Dr K Mazumdar	Tripura University	2011
39	Dr. R.C Chaubey	BARC, Mumbai	2011
40	Prof M M Mishra	NIHFW, New Delhi	2011

Botany

1.	Prof. R.C. Mohanty Former Professor Utkal University, Vani Vihar, Bhubaneswar	CSIR Emeritus Scientist	2011-2014
2.	Prof. M. Kar Former Professor Utkal University, Vani Vihar,	UGC Emeritus Professor	2013-2015

	Bhubaneswar		
3.	Prof. H.K. Patra Former Professor Utkal University, Vani Vihar, Bhubaneswar	CSIR Emeritus Scientist	2012-2016
4.	Prof. S.P. Rath Former Professor Utkal University, Vani Vihar, Bhubaneswar	UGC Emeritus Professor	2015-2016
5.	Prof. Niranjana Behera	Retd. Professor Sambalpur University, Sambalpur	2015
6.	Late Prof. Narayan Behera	Retd. Professor Berhampur University, Berhampur University	2010-2012
7.	Prof. S. L. Sahoo	Retd. Professor Utkal University,	2015
8.	Prof. B. R. Choudhury	Retd. Professor, Govt. of Odisha	2015
9	Prof. Reto Strasser	Jeneva University	2013
10	Prof. B. C. Tripathy	JNU, New Delhi	2014
11	Dr. R. K. Sarkar	CRRI	2014
12	Dr. Trilochan Pradhan	IARI, New Delhi	2014
13	Padmashree Prof. Sudhir Sopory	JNU, New Delhi	2015

Chemistry

1	Prof. C. S. Panda	Berhampur University	2014
2	Prof. A.K.Pattanaik	Revenshaw University	2014
3	Prof. P. Mohanty	Utkal University	2015
4	Prof. G. C. Pradhan	Utkal University	2014
5	Prof. S. P. Rout	Utkal University	2014
6	Prof. Rafael Luque	University of Cordova, Spain	2013
7	Prof. Ajaya Dalai	University of Saskatchewan, Canada	2012

8	Prof. Rama Kant	DU, New Delhi	2014
9	Prof. K. C. Kumara Swamy	UoH, Hyderabad	2014
10	Prof. A. K. Singh	IIT, Bhubaneswar	2014
11	Dr. B. Bhoi	IMMT, Bhubaneswar	2014
12	Dr. V. Krishnan	NISER, Bhubaneswar	2013
13	Dr. B. K. Jena	IMMT, Bhubaneswar	2014
14	Dr. L. D. Rout	BU, Berahmpur	2014
15	Dr. P. Mishra	IMMT, Bhubaneswar	2014
16	Prof. T. S. Pal	IIT, Kharagpur	2010

Commerce

1	Prof. R. S. Pradhan	Former Professor & Head, Tribhuban University, Kathamandu, Nepal
2	Prof. B. Mamun	Professor & Head, Dhaka University, Bangladesh
3	Prof. H.K. Singh	VC, Technical University, Lucknow, UP
4	Prof. V. Venkat	VC, Kakatiya University
5	Prof. B. Jaiswal	VC, Ram Monohar Lohia Viswavidyalaya, Faridabad
6	Prof. B. P. Singh	Retired Prof. & Head, Delhi School of economics

Computer Science

1	Prof. A.K.Bisoi	Visiting Professor (Retd. Prof., Utkal University)
2	Prof. S.K. Udghata	Visiting Professor (Dept of Comp Sc, Central Univ, Hyderabad)
3	Prof. Rajib Mall	Visiting Professor (Prof., I.I.T. Kharagpur)
4	Prof B.S.Panda	Visiting Professor (Prof., I.I.T. Delhi)
5	Prof Manas R Patra	Visiting Professor(Berhempur University)
6	Prof Rajendra Sahoo	Visiting Professor (IIIT, Gwalior)
7	Prf A Routray	IIT, Kharagpur

8	Prof G Das	University of Texas, Arlington
---	------------	--------------------------------

English

1	Prof. Alastair Niven	Principal Cumberland Lodge, U.K
2	Prof. Amit Chaudhury	Professor of Contemporary Literature, University of East Anglia, U.K and Distinguished Indian English Novelist
3	Prof. John Cussen	Fulbright Scholar
4	Prof. Chandrahas Chaudhury	Indian English Novelist and Writer
5	Prof. Paul St-Pierre	Retired Professor of Translation, University of Montreal, Canada
6	Prof. Mauriceo De Aguilera Linde	Professor of English, University of Granada, Spain
7	Prof. Swapan Chakravorty	Professor of English, University of Granada, Spain
8	Prof. Sachidananda Mohanty	Formerly Professor of English, University of Hyderabad and Currently Vice Chancellor Central University of Odisha, Koraput
9	Prof. Sarat Chandra Satapathy	Retired Professor of English, Utkal University
10	Dr. Arun Kumar Mohanty	Retired faculty in English, Odisha Education Service
11	Dr. Gopa Ranjan Mishra	Retired Faculty, Govt of Odisha
12	Prof. Amulya K. Purohit	Emeritus Professor

Economics

1	Prof.Tapan Sarkar	Griffith University, Australia	2010
2	Prof. Prashant K. Pattanaik	California University	2010
3	Prof. Prashant K. Pattanaik	California University	2011
4	Prof. Bhabani S. Nayak	University Salford	2011
5.	Prof. Bhabani S. Nayak	University Salford	2013
6.	Prof. Sushanta Mallick	University of London	2013

7	Prof. Satya Priya Das	ISI, Delhi	2011
8	Prof Sovan Ray	IGIDR, Mumbai	2011
9	Prof K. Das	GIDR, Gujarat	2011
10	Prof R N Bhattacharjee	Kalyani University	2012
11	Prof Gurdeep Singh	ISM, Dhanbad	2012
12	Prof U S Mishra	CDS, Trivandrum	2012
13	Dr William Joe	IEG, Delhi	2012
14	Prof. S. C. Panda	DSE, Delhi	2011
15	Prof. A. K. Mohanty	Utkal University	2011
16	Prof. S. C. Panda	DSE, Delhi	2012
17	Prof. Sailabala Devi	Utkal University	2012
18	Prof.Sudhakara Panda	Utkal University	2012
19	Prof.Pulin B.Nayak	DSE, Delhi	2012
20	Prof. A. K. Mohanty	Retd. Professor, Utkal University	2012
21	Prof. B. Bhuyan	OUAT,Bhubaneswar	2012
22	Prof Sharmila Banerjee	Calcutta University	2013
23	Prof M N Murthy	IEG, Delhi	2013
24	Prof. V. Santha Kumar	Ajim Premji University	2013
25	Prof Brijesh Purohit	MSE, Chennai	2013
26	Prof S. Nilakanthan	MIDS,	2013
27	Mr. Neelam Chaturvedi	<i>SPSS, Bangalore</i>	2013
28	Mr. Saroj R.Hota	SEBI	2013
29	Prof. Seeta Prabhu	UNDP New Delhi	2013

30	Dr. Samir Behera	RBI,BBSR	2013
31	Dr. S. S. Rath	Sambalpur University	2014-15
32	Prof. Omkar Nath	Central University of Hyderabad	2014
33	Dr. A. Samantaray	Pondichery University	2014
34	Dr. P. K. Panigrahy	Ministry of Higher Education, GoO	2014
35	Prof. V. M. Pillai	CDS, Trivandrum	2014
36	Prof. Srijit Mishra	IGIDR, Mumbai	2015
37	Prof. R.N.Pradhan	DSE	2015
38	Mr. H. R. Sahoo	SEBI	2015
39	Prof. H. Gundimeda	IIT, Mumbai	2015
40	Prof. Jyoti Parikh	IRADe, Delhi	2015
41	Prof. Arabinda Mishra	TERI University	2015

Geology

1	Prof. H.K. Sahoo	Emeritus Professor,UGC	2015
2	Prof. P.P. Singh	Emeritus Professor,UGC	2015
3	Prof. P.Behera	Emeritus Professor,UGC	2015
4	Prof. G.S. Lenka	Visiting Professor, Retd. faculty Govt. of Odisha	2014

History

1	Hermann Kulke	Kiel University, Germany	2010
2	Prof. Deepak Kumar	JNU	2011
3	Prof. Himadri Banarjee	Jadavpur University	2012
4	Prof. Rajat kanta Ray	Ex-Vice Chancellor, Viswa Bharati	2012

5	Prof. I. Sarkar	North Bengal University	2014
6	Prof. Ranjit Sen	Former VC, Viswa Bharati	2014
7	Prof. Y. Vaikuntham	Former Vice-Chancellor, Kakatiya University	2015

Lib. Science

1	Prof. M. Mahapatra	Visiting Professor(Retd.Prof., Utkal University)
2	Prof. B. Parida	Retd.Prof., Utkal University
3	Prof.B.K.Choudhury	Retd Prof., Sambalpur University
4	Prof. K. S. Rao	Andhra University
5	Prof. Ratna Bandopadhyay	University of Calcutta
6	Dr. K. P. Vijaya Kumar	Kerala University
7	Dr Humayun Kabir	Kerala University

Mathematics

1	Prof. S. Padhy	Visiting Professor, (Retd. Faculty, Utkal Univ.)
2	Prof. B. K. Nayak	Visiting Professor, (Retd. Faculty, Utkal Univ.)
3	Prof. Huzoor H Khan	Visiting Professor, (Aligarh Muslim Univ.)
4	Prof. B.S. Komal	Visiting Professor(Retd. Faculty, Univ. of Jammu)

Physics

1	Prof. Ashoke Sen	Harish chandra Research Institute, Allahabad (Dirac Medalist-ICTP; Fundamental Physics Prize winner 2012)	2012
2	Prof. Lalu Mansingh	University of Western Ontario, Canada	2014
3	Prof. D.P.Roy	INSA Senior Scientist, HBCSE-TIFR	2014,2015
4	Prof. Ashok Das	University of Rochester	2010,2011,2013,2014,2015
5	Prof. Rohini Godbole	CHEP, IISC-Bangalore	2014

6	Prof. Bedangadas Mohanty	NISER	2013,2014,2015
7	Prof. Rajaram Nityananda	Former Director, NCRA	2011,2015
8	Prof. Sunil Mukhi	IISER, Pune	2015
9	Prof. Basanta Kumar Nandi	IIT Bombay (hottest researcher of the world 2007)	2012, 2015
10	Dr. Sanjib Agarwalla	Institute of Physics	2014
11	Dr. Subhankar Bedanta	NISER	2014
12	Dr. Gagan Bihari Mohanty	Tata Institute of Fundamental Research	2012
13	Prof. S.D. Mahanti	University of Michigan	2015
14	Prof. John Ellis	CERN, Geneva	2014
15	Prof. Asoka Das	Vice-Chancellor, Utkal University	2014
16	Prof. Bala Iyer	Former Professor, Raman Research Institute, Chair IndIGO Consortium, ICTS-TIFR	2015
17	Prof. Ajoy Kumar Ghatak	Former Professor, IIT Delhi	2015
18	Prof. Naresh Dadhich	Former Director, IUCAA, Pune	2015
19	Prof. Bostjan Golob	University of Ljubljana, Slovenia.	2012
20	Prof. Karmadeva Maharana	Visiting Professor (Retd. Prof., Utkal University)	2011-2016
21	Prof. Durga Prasad Mahapatra	Visiting Professor (Retd. Prof., Institute of Physics)	2014-2016
22	Prof. Naresh Ch. Mishra	Visiting Professor (Retd. Prof., Utkal University)	2015-2016
23	Prof. Prasanta Jena	Visiting Professor (Retd. Faculty, Govt. of Odisha)	2014-2015
24	Prof. Niranjana Barik	Visiting Professor (Retd. Prof., Utkal University)	2010-2012
25	Prof. Lambodar P. Singh	Visiting Professor (Retd. Prof., Utkal University)	2010-2012

Zoology

1	Dr Surendra Ghaskadbi, Agharkar Research Institute, Pune	2010
2	Dr (Mrs) Namita Mohapatra,, Dy Director, RMRC, Bhubaneswar	2010
3	Professor Niraj Kumar Tripathy,, Berhampur University	2011
4	Dr B. Dwibedi, RMRC, Bhubaneswar	2011
5	Prof. A. S. Kolaskar, Vice chancellor, KIIT, Bhubaneswar	2011
6	Prof. G. savithri, S.P. Womens' University Tirupati	2011
7	Prof. A. P. Dash, Regional Advisor, WHO/SEARO, New Delhi	2011
8	Prof. Bidyut Kumar Das, Professor medicine, S. C. B. Medical college, Cuttack	2011
9	Padmashree Prof. Priyambada Mohanty-Hejnadi, Former faculty, P.G. Department of Zoology, Utkal University	2011
10	Dr Santanu Kumar Kar, Director, RMRC, Bhubaneswar	2011
11		
12	Dr Palok Aich of NISER, Bhubaneswar on 22nd August, 2011.	2011
13	Dr K.C. Majumdar Ex-scientist, Centre for Cell and Molecular Biology	2011
14	Prof. Aditya Prasad Dash, Scientist, WHO/SEARO	2012
15	Prof. Premendu P. Mathur, Vice Chancellor, KIIT University, Bhubaneswar	2012
16	Prof. Sudip Barat, Department of Zoology, North Bengal University	2012
17	Prof. Miss Amita Moitra, University Department of Zoology, TM Bhagalpur University, Bihar	2012
18	Dr B.N. Sarkar, Anthropological Survey of India, Kolkata	2012
19	Dr Bivash Pandav , Scientist-E, Wildlife Institute of India, Dehra Dun	2012
20	Dr P. Jayasankar, Director of CIFA, Kausalyaganga, Bhubaneswar	2013
21	Prof. Dhrubaraj Naik, Former Professor Department of Zoology, Utkal University and Former Vice Chancellor Sambalpur University	2013
22	Prof. Mahendra Prasad, Department of Zoology, Ranchi University, Ranchi	2013
23	Prof. Chapal Kumar Das, Material Science Department, IIT, Kharagpur	2013
24	Dr Ranjana Jaiswara, Centre for Ecological Sciences, IISc, Bangalore	2013
25	Prof. CR Sahoo, University of Kalyani, West Bengal	2013
26	Dr Ashok Kumar Mahapatra, Director, AIIMS, Bhubaneswar	2014
27	Dr Fabricia Cesca, Italian Institute of Technology, Italy	2014
28	Prof. Rabindra Nath Chatterjee, Calcutta University, Kolkata	2014

29	Dr Sajal Bhattacharya, Associate Professor, Asutosh College, Kolkata	2014
30	Professor Panchanan Nath, Professor, Department of Zoology, Santiniketan, Viswa- Bharati, West Bengal	2014
31	Dr Aparna Choudhary, CIFE, Mumbai	2015
32	Dr Joykrishna Jena, Director, NBFGR, Lucknow	2015
33	Professor Sudip Chattopdhay, Head of the Department of Biotechnology, NIT, Durgapur	2015

Odia

1.	Dr. Nityananda Naik	Retd. Professor, Utkal University	2010
2.	Dr. Baishnab Charan Samal	Retd. Professor, Viswa Bharati, Shanti Niketan	2010
3.	Dr. Bairagi Charan Jena	Retd. Professor, Sambalpur University	2010
4.	Dr. Sarata Pradhan	Retd. Professor, Sambalpur University	2010
5.	Dr. Sudhir Chandra Mohanty	Retd. Reader, Ravenshaw University, Cuttack	2010
6.	Dr. Sarat Chandra Rath	Retd. Professor, Utkal University	2013 ,2014

PMIR

1	Prof. B. N. Mishra	Emeritus Professor, UGC
3	Dr B K Sundaray	Regional College of Management
4	Dr T K Lenka	Rajdhani College of Engineering &Management
5	Dr S K Parida	Global institute of Management
6	Dr L M Sahoo	P N College

Political Science

1	Prof. J.K. Baral	Visiting Professor
2	Prof. Amareswar Mishra	Visiting Professor

Psychology

1	Prof. U.N Dash	Visiting Professor (2012-13)
2	Prof. Ajit Ku. Mohanty	Emeritus Professor, UGC (2014-16)

Public Administration

1	Prof. Amareswar Mishra	Retd. Prof. Political Sc., Utkal University
2	Prof. Amarendra Mohanty	Retd. Prof. Pol.Sc., Ravenshaw University
3	Prof. Gopabandhu Mishra	Retd. Prof. Statistics, Utkal University
4	Prof. Satya Narayan Mishra	Retd. Civil Servant
5	Prof. Narottam Gaan	Retd.Prof.Pol.Sc, Utkal University

Sanskrit

Prof. A.C. Sarangi	Visiting Professor/(Retd. Prof., P.G. Dept. of Sanskrit & Former V.C. Sri Jagannath Sanskrit University, Puri)	(2012-14)
Prof. G.K. Dash	Visiting Professor(Retd. Prof., P.G. Dept. of Sanskrit)	(2013- 14)
Prof. R.N. Panda	Visiting Professor(Retd. Prof.,P.G. Dept. of Sanskrit)	(2012- 14)
Dr. Siddheswar Jena	Retd. Faculty, Govt. of Odisha	(2012- 14)

Statistics

1	PROF. G. MISHRA	Visiting Professor (Retd.Professor, Utkal University)
2	DR P.PRADHAN	Visiting Professor
3	DR B.PRADHAN	Visiting Professor
4	PROF L.N.SAHOO	Emeritus Professor, UGC

Pharmacy

2	Prof. K. P. R. Choudhury	Andhra Univ, AP
3	Prof. S.Satyanarayan	Andhra Univ, AP
4	Prof. T.K.Maity	Jadavpur Univ., Kolkata
5	Prof. P.K.Mukherjee	Jadavpur Univ., Kolkata
6	Prof. S.C. Mandal	Jadavpur Univ., Kolkata
7	Prof. S.N.Pandeya	Banaras Hindu Univ. UP
8	Prof. A. Mukherjee	Calcutta Univ. Kolkata
9	Prof. R.N. Gupta	BIT-Mesra, Ranchi

10	Prof. A. C. Dash	Utkal Univ. and NISER, BBSR
11	Prof. U. N. Dash	Utkal Univ.
12	Prof. P. Mohanty	Utkal Univ.
15	Prof .G. B. N. Chainy	Utkal Univ.
16	Dr. K. B. Satapathy	Utkal Univ.
17	Dr. A. Dixit	Institute of Life Science, BBSR
18	Dr. S. K. Sahoo	Institute of life Science, BBSR
19	Dr. N. K. Dhal	CSIR-IMMT, BBSR
20	Dr. P. Swain	ICAR-CIFA, BBSR

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

For the financial year 2010-11, 2011-12, 2012-13, 2013-14, 2014-15, the expenditure on research projects by various Departments was approximately Rs. 5,24,56,537; Rs. 5,97,16,016; 4,26,93,739; Rs. 7,04,72,876; Rs. 92,84,941 respectively. This is approximately 2-3 % of the total budget.

3.1.8 In its budget, does the University earmark funds for promoting research in its affiliated colleges? If yes, provide details.

No, this is not yet possible in view of financial constraints.

3.1.9 Does the University encourage research by awarding Post Doctoral Fellowships/Research Associate ships? If yes, provide details like number of students registered, funding by the University and other sources.

State Government has stopped providing funds on this head since 1995. University financial position does not permit us to provide fellowship from our resources. However, individual departments have several Ph.D. scholars and research associates funded by UGC, CSIR, DST, BRNS, DBT, ICHR, ICSSR etc. Details are given in individual Department profile.

3.1.10 What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the University monitor the output of these scholars?

Only one teacher has obtained study leave to pursue Ph.D. under JNU for 2 years between 2011 and 2015. Now-a-days most of the teacher join university with Ph.D. degree. One teacher in Anthropology has availed leave to undertake postdoctoral studies in the University of Sussex, UK. There is no other application for study leave pending with the university. Except one professor of Economics, no one obtained sabbatical leave during the period. Due to acute shortage of teachers, sabbatical leave has not been availed by senior teachers. However, our act and statute allows for both sabbatical and study leave.

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

The PG Departments have organized 6 International Seminars/Conferences, 82 National Seminars/Conferences and 23 State and University level seminars/Conferences. Indian Anthropology Congress 2015 was organized by the Anthropology dept for the first time in Odisha. Besides, each Department organizes at least 20 student seminars per annum. The list of distinguished visitors are reflected in individual departmental report.

3.2 Resource Mobilization for Research

3.2.1 What are the financial provisions made in the University budget for supporting student's research projects?

Resource constraints does not allow us to make any financial provision. However, all facilities available in the department including laboratories with chemicals, IT infrastructure etc. are extended to all the students of the Departments. At times, external sponsorships for field trips are also arranged. For example AIHCA Department and Anthropology dept. collaborated with Deccan College Pune and Department of Culture, Govt. of Odisha for their field studies. Many students of Department of Physics get selected to do summer research projects at other institutions in the country with financial assistance.

3.2.2 Has the University taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

The primary strength of Utkal University has been in frontline pure research. The faculty are in the practice of reporting their findings in peer reviewed journals. In recent years, faculty are being encouraged to file patents wherever applicable. The following patent application has been filed by Dr. Ajaya Kumar Behera, Lecturer, PG Dept. of Chemistry.

1. A.K Behera, S. Avancha, S.R. Chowdhury. R. K. Basak, P.K.J. Mohapatra, R. Sen, and B. Adhikari, "Biodegradable and rigid natural resin matrix jute fiber reinforced composites" Indian patent application No. 1136/KOL/2010, Oct.11, 2010.

3.2.3 Provide the following details of ongoing research projects of faculty

Sl No	Funding Agency	Title	Coordinator	Dept.	Budget In lakhs
1	World Bank	Using Forestry and Mining for Poverty reduction in Odisha Capacity Building for Enhancing Growth and Improving Service Delivery in a Non-Lending Technical Assistance (NLTA) assignment in Odisha	Dr. Amarendra Das	Economics	6.5

2	NUEPA, Govt. of India	Financing Higher Education in India	Dr. H. S. Rout	Economics	4.25
3	INTACH	Lesser Known Monuments of Bhubaneswar	Prof. S.Pradhan	AIHC	
4	Department of Culture, Govt. of Odisha	Archaeological Excavation at Narisho	Prof. S.Pradhan Dr. S. Acharya Dr. A. Behera Dr. S. K.Patra	AIHC	7.694
5	Ministry of Culture, Govt. of Odisha,	Odishan Institute of Maritime and South East Asian Studies	Prof. Kishore K. Basa	Anthropology	3
6	UGC	Traditional knowledge system, ethno-biotechnologies, and healthcare practices among the Juang: a primitive tribal community of Odisha	Prof. Sabita Acharya	Anthropology	9.2
7	ESRC, UK	Bio networking in Asia	Dr. Prasanna Kumar Patra	Anthropology	1001
8	DBT	To characterize a novel Topical cream base therapy against cervical cancer and targeting cervical cancer by modulating the tumor microenvironment	Dr. P.R. Debata, P.I. (Ramalingaswami Fellow)	Biotechnology	19.9
9	DST	4HNE mediated signalling in hypothyroidism induced male fertility: Role of GST and modulation by curcumin.	Dr. (Mrs) Anita Roy, P.I. (Women Scientist)	Biotechnology	17.9
10	Orissa Power Generation Corporation Ltd	Flora/Fauna Diversity Study in the Manoharpur coal block of OPGC in the Sundargarh district	Head of the Department	Botany	5
11	DST-FIST	Mitigation of heavy metals stress through biotechnological intervention	Head of the Department	Botany	85
12	UGC	Mitigation of heavy metals stress through biotechnological	Head of the Department	Botany	49

		intervention			
13	NALCO	An impact on flora and fauna biodiversity due to Bauxite mining project at Panchpatmali central and north block ML	Head of the Department	Botany	14.65
14	Orissa Bio-Diversity Board, Odisha	Documentation of epiphytic and epilithic lichen biodiversity in „Kapilas" and other protected forests of Dhenkanal of Odisha	Head of the Department	Botany	1.06
15	UGC	Molecular screening of mungbean (<i>Vigna radiata</i> [L.] Wilczek.) germplasm for biotic and abiotic stress tolerance	Head of the Department	Botany	9.42
16	UGC	Materials and Coordination Chemistry	Head of the Department	Chemistry	99
17	ICSSR	Policy Framework for Commodity Chains and Governance for Achieving Inclusive Growth	Prof. K. B. Das	Commerce	8.63
18	UGC	Micro Enterprises in Rural Craft : A Sustainable Strategic Model for Socio-Economic Development of tribal Artisans	Prof. J. K. Parida	Commerce	8.81
19	UGC	Entrepreneurial Innovation in MSME Sector for Sustainable Tribal Area Development in Odisha	Head, Department of Commerce	Commerce	47.
20	MIT, Govt of India	ME(CSE) KE	S. Mohanty	Computer Science and Application	133
21	District Council of Culture, Odisha	The Healing Touch of Sufism in Odisha	Dr. A.J. Khan	English	
22	UGC	Ecoing Together: Towards a Literary Green Globalism	Prof. Amulya Kishor Purohit	English	
23	UGC	Environmental Geology, Gondwana Geology, Ore Geology	Prof. M. Das	Geology	75
24	DST-FIST	Ore Geology, Gondwana Geology, Environmental	Head, Department of Geology	Geology	69.3

		Geology			
25	UGC	Prospect of Cultural Tourism in Western Orissa: A study on Heritage sites of Western Odisha	Head, Department of History	History	3.05
26	ICSSR	Educational status of the scheduled Castes in Odisha: Attainment and Challengers	Head, Department of History	History	53
27	UGC	Great Indian Epic – Mahabharata	Dr. U. N.Sahoo	Odia	7
28	ITC India	EILMT Project	Head, Department of Odia	Odia	46.71
29	UGC	A Critical Literary Study of the Indian	Head, Department of Odia	Odia	
30	Ministry of Tourism, Govt. of Odisha	Functioning of Tourist Police in States/Union Territories and Documentation of Best Practices	Dr K Mohanty	PMIR	
31	DFID, UK and Govt. of India	Learning Hubs in Odisha; Girls' Incentive Programme	Dr K Mohanty	PMIR	
32	UGC	Identification and evaluation of some promising anti-diabetic plants from tribal-rich pockets of Orisaa	Dr.S.K.Mishra Dr. Sabuj Sahoo Dr.K.B.Satapathy	Pharmaceutical Sciences	11
33	UGC	Search of some natural estrogen from the ethnomedicinal plants of Odisha and their use against breast cancer in various models	Dr R. Mohapatra Dr. D. Pradhan	Pharmaceutical Sciences	13.7
34	AICTE	Bioprocess development of microbial l-asparaginase from hot springs of odisha. and its <i>in-vitro</i> anticancer activity evaluation	Dr Sabuja Sahoo Dr. S.K.Mishra	Pharmaceutical Sciences	11.1
35	UGC	Pharmacological investigation of some selected potential herbal drugs acting as cytotoxic agents against breast cancer	Dr. D. Pradhan	Pharmaceutical Sciences	1
36	DST	Discovery of novel inhibitors of bacterial cell division targeting gtp-binding protein FtsZ	Dr. Sushant Kumar Sahoo	Pharmaceutical Sciences	17.1
37	UGC	Applied Ethics and Philosophy of value	Dr. Sudhakar Jally	Philosophy	1.35

38	DST-DAE	India Based Neutrino Observatory(INO) Collaboration	Prof. Swapna Mahapatra	Physics	35
39	DST-INSPIRE	Photo induced study in Chalcogenide thin film	Dr. Ramakanta Naik	Physics	35
40	DAE-BRNS	Study of the Hadron structure and Compact star	Dr. P K. Panda	Physics	20
41	UGC	High Energy Physics, Material Science	Head, Dept of Physics	Physics	74
42	ICSSR	Poverty and deprivation of tribal women of Odisha A study of Rayagada District	Dr. Smita Nayak	Political Science	9
43	UGC	Development and conflict: A case study of Odisha	Dr. Seema Mallik	Political Science	7.03
44	ICSSR	Liberisation and tribal rights in India: Understanding land acquisition and threats to livelihoods with reference to Odisha	Dr. Seema Mallik	Political Science	3.52
45	Charles Wallace Research Grant	Changing nature in development in India from colonial period till present	Dr. Seema Mallik	Political Science	1
46	UGC	International Politics, Gender Studies, Social Capital, State and Local Governance	Head, Department of Political Science	Political Science	49
47	UGC	Applications of Differential Subordination in Geometric Function Theory, Operators on Bergman Space, Studies on Difference Sequence Spaces, Approximation by Trigonometric Means	Head, Dept of Mathemaics	Mathematics	8
48	DST	Role of lysosomal enzymes, oxidative stress and hoxb8 gene expression in regulating trans differentiation of regenerating	Head, Department of Zoology	Zoology	15

		tail tissue of frog larva.			
49	DST	Systematics of select amphibian species using their larval morphology and ontogeny	Head, Department of Zoology	Zoology	35.66
50	OMFED, Govt. of Odisha	Benchmark survey of Khurdha and Puri districts under IDDP Project	Prof. B. B. Mishra	MBA	2.31
51	UGC	Bio-cultural perspective on the Particularly Vulnerable Tribal Groups of Odisha	Head, Department of Anthropology	Anthropology	3.09
52	UGC	Ethno-medicinal practices among the tribal communities of Keonjhar district, Odisha	Prof. Sabita Acharya	School of Women Studies	9
53	ICSSR,	A Status Report on Refugees of Odisha	Dr. Aliva Mahanty	School of Women Studies	8

3.2.4 Does the University have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

Departments like MBA, Geography, PMIR have projects sponsored by industry/corporate houses. Fr example, MBA Dept has worked on projects sanctioned by Indian Oil and OMFED, Govt of Odisha.

3.2.5 How many departments of the University have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Twenty one (21) departments out of 27 departments of the University have been recognized for their research activities by various funding agencies such as UGC-SAP, CAS; DST-FIST; DST-PURSE, DBT, DAE ICSSR, ICHR, National Academy of Statistical Administration, National Sample Survey; Ayush, Ministry of Finance, Department of Culture, Govt of Odisha; Ministry of IT etc. Details are given in individual departmental report. The quantum of assistance received during 2010-2015 for research work is more than 23 crores from various funding agencies.

The recognition by various funding agencies have helped in improving the research activities of the departments and new collaborations have been established, which in turn, has increased the research publications in peer reviewed journals. An university counselling centre for the university members as well as for the public has been created and many people are getting the benefit of this centre at the Department of Psychology.

The details are given in individual department profile.

3.2.6 List details of

a. Research projects completed and grants received during the last four years (funded by National/International agencies).

Sl No	Funding Agency	Title	Coordinator	Dept	Budget In lakh
1	DST, Govt. of Odisha	Screening, isolation and characterization commercially important antioxidant compounds and marketable agar from seaweeds of Chilika lake.	Prof. S. P. Adhikary	Biotechnology	5.73
2	BRNS, DAE	Studies on burrowing animal (rats) in and around tailing ponds of Jaduguda uranium mines	Dr. J. Dandapat	Biotechnology	31.91
3	DST	Modulation of antioxidant system of tasar silkworm, <i>Antheraea mylitta</i> for improved production of silk fibre	Dr. J. Dandapat	Biotechnology	20
4	DST, Govt. of Odisha	Technology development for rearing of Tasar Silk worm on Semi synthetic diet: role of antioxidants and micro-nutrients for improved silk production.	Dr. J. Dandapat	Biotechnology	5.50
5	DBT, Govt. of India	Infrastructure Development and Human resource development	Head of the Department	Biotechnology	99.9

6	UGC	Infrastructure development and research related to oxidative stress and redox regulatory mechanism	Head of the Department	Biotechnology	25.95
7	UGC	Expression of antioxidant enzymes in <i>Abutilon indicum</i> under metal stress.	Head of the Department	Botany	11.8
8	UGC	Enhanced Ethanol production from sweet potato (<i>Ipomoea batatas</i>).	Head of the Department	Botany	14.87
9	UGC	Identification and biological evaluation of some promising anti-diabetic plants from tribal-rich pockets of Orissa.	Head of the Department	Botany	4.84
10	IUAC-New Delhi	Synergy of Electronic and Nuclear Energy Losses in SHI Induced Sputtering from Nanoparticle Thin Films	Prof. N.C.Mishra	Physics	4
11	UGC	Modification and characterization of nano-structured TiO ₂ thin films by Ion beams	Prof. N.C.Mishra	Physics	4.4
12	DST-FIST	High Energy Physics and Material Science	Prof. N.C.Mishra	Physics	108
13	British Council	Democratic Consolidation in South Asia: Developments in Nepal	Dr. Anil Kumar Mohapatra	Political Science	3
14	Baden Wurttemberg, Germany	Regional Integration in South Asia: What lessons does the EU hold for the SAARC	Dr. Anil Kumar Mohapatra	Political Science	3
15	ICSSR	10 Days Research Methodology Training Programme for SC/ST Ph.D Scholars	Dr. Smita Nayak	Political Science	5.5
16	Oxfam India	Life and Learning in Hostels in Tribal Area Schools in	Prof. Namita Mohanty	Psychology	4.3

		Odisha	Prof. Ajit Mohanty		
17	UGC	Women in Local Governance: A Study of Bhubaneswar and Cuttack Municipal Corporations in Orissa	Prof. Bijoyini Mohanty	Public Administration	3.62
18	UGC	DRS-II	Prof. S. Padhy	Mathematics	11.97
19	UGC	Study of Factors Influencing Selection of Mutual fund Schemes by Retail Investors in India	Dr. S. S. Debasish	MBA	1
20	UGC-CAS	Regional & Rural Economics, Economics of Environment, Social Sector Economics.	Head, Department of Economics	Economics	65
21	Ministry of Finance	Regional & Rural Economics, Economics of Environment, Social Sector Economics.	Head, Department of Economics	Economics	4.5
22	IGNCA	Rock Art	Prof. S.Pradhan	AIHCA	
23	INTACH	Lesser known monuments of Puri, Nayagarh	Prof. S.Pradhan	AIHCA	
24	NMMA (ASI), Govt. of India	Documentation of Built Heritage	Prof. S.Pradhan	AIHCA	
25	Department of Culture, Govt. of Odisha	Excavation at Narisho	Prof. S.Pradhan	AIHCA	
26		Selective Oxidation of Lignin	Dr. Sushant	Chemistry	19.63

	DST	model Phenolic Monomer over cobalt containing SBA-15 molecular sieves	Kumar Badamali		
27	UGC	Biphenyl Benz-heterazol molecule for display technology	Dr. B. L. Jena	Chemistry	1.75
28	UGC	Materials and Coordination Chemistry	Head, Department of Chemistry	Chemistry	45.8
29	UGC	Entrepreneurship in SMEs Odisha	Head, Department of Commerce	Commerce	23.9
30	UGC	Translating Odisha	Head, Department of English	English	7.5
31	UGC-CAS	Bio-cultural perspectives of human diversity in Orissa	Head, Department of Anthropology	Anthropology	3.09
32	DST-PURSE	Haemocytology of vertebrates	Head, Department of Zoology	Zoology	69.38
33	DST-PURSE	Understanding the fundamental interactions in nature; Material characterization; Swift heavy ion irradiation	Head, Department of Physics	Physics	68.08
34	DST-PURSE	Materials and Coordination Chemistry	Head, Department of Chemistry	Chemistry	56.43
35	DST-PURSE	Biotechnical approaches for conservation and utilization of medicinal and aromatic plant	Head, Department of Botany	Botany	69.58
36	DST-PURSE	Infrastructure development, manpower and research related to Redox regulatory mechanism, Epigenetics and bioresource development	Head, Department of Biotechnology	Biotechnology	68.86

37	DST-PURSE	Fluid Dynamics, Analysis	Head, Department of Mathematics	Mathematics	23.69
38	DST-PURSE	Environmental Geology, Ore Geology	Head, Department of Geology	Geology	69.01
39	DST-PURSE	Gender and development: Anthropological prospective, Bio-cultural perspective on the Particularly Vulnerable Tribal Groups of Odisha	Head, Department of Anthropology	Anthropology	25.25
40	DST-PURSE	Deterministic Inventory Models, Demographic Models of Fertility, Predictive Estimation in Two- Phase Sampling, Generalized class of estimators in Two Stage Sampling.	Head, Department of Statistics	Statistics	24.22
41	DST-PURSE	Developmental Psychology, Counseling	Head, Department of Psychology	Psychology	26.49
42	DST-PURSE	Global research and developmental network.	Coordinator, University Computer Centre	University Computer Centre	40.15
43	UGC	Women in Corporate Houses of Odisha	Director, School of Women's Studies	School of Women's Studies	0.75
44	UGC	Women's Participation in Cooperatives: Opportunities and Challenges – Special Reference to Diary Cooperatives	Director, School of Women's Studies	School of Women's Studies	0.5

45	UGC	Institutional Support for Women in Odisha	Director, School of Women's Studies	School of Women's Studies	0.75
44	WCD Dept., Govt.of Odisha	Evaluation of Govt.Policies for women	Director, School of Women's Studies	School of Women's Studies	
45	University of Tropical Medicine and Health, University of London and CWDS, New Delhi	Work in Freedom	Director, School of Women's Studies	School of Women's Studies	
46	WCD Dept., Govt. of Odisha	Gender Sensitization Training programme for the University Students	Director, School of Women's Studies	School of Women's Studies	1
47	CRY, Kolkata	A reflection on the challenges of Elementary Education in KBK District of Odisha	Prof. Navneeta Rath	Sociology	
48	An European Union Project, sponsored by Bal Rakhya Bharat	MIS review in the state of Odisha	Prof. Navneeta Rath	Sociology	
49	Task Force, Govt. of Odisha	Situational Analysis of Children aging out from the Care homes and in need of after care	Prof. Navneeta Rath	Sociology	0.3
50	IASE University	Majoring and Mitigating Child poverty: A step towards ensuring social and political harmony	Prof. Navneeta Rath	Sociology	
51	ICSSR	Livelihood, Hunger and Malnutrition: An Empirical Analysis of Tribal Women of odisha	Dr. M.G.Bage	Sociology	

52	UGC	High Energy Physics, Gravitation & Cosmology	Prof.L.Maharana, Prof. L.P.Singh, Prof.K.Maharana, Prof.S.Mahapatra	Physics	35
----	-----	---	--	---------	----

3.3 Research Facilities

3.3.1 What efforts have been made by the University to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of Researchers in emerging disciplines?

There has been substantial improvement in the infrastructures like Laboratories, equipment, Computers, Internet connectivity and Departmental Library for facilitating research activities. Individual Departments have Laboratories with sophisticated instruments which are being used

by members of the University Department as well as by members of other Institutions.

Internet connectivity has been given to all the departments through University Computer Centre. Some departments also have wi-fi connectivity. This has enormously helped in increasing the research activities in the departments in terms of access of e-journals, collaborative research work etc. Research laboratories have been upgraded and new laboratories have been established in many departments. Computational facilities with advanced software have been installed in some departments. Eminent scientists working in frontier areas of research are invited by the departments to give lectures and interact with the teachers and the research scholars. Public lectures by eminent scientists are organized by the departments. Since the University has formal and informal collaboration with nearby National Institutions like IOP, NISER, IIT, CIPET, ILS, IMMT, OUAT etc, the equipments available there are also used by the researchers of the University. University encourages all the teachers and research scholars to visit reputed research institutions in the country and abroad and get exposed to research work in emerging research areas.

Recently, the university has received grant for establishing a centralised instrumentation centre and a digital library with e-resources that is expected to boost the research output.

3.3.2 Does the University have an Information Resource Centre to cater to the needs of Researchers? If yes, provide details of the facility.

The University has a Research and Development section which provides information regarding grants, projects, new schemes of research, conferences etc. to the researchers.

In addition, the libraries provide the requisite information.

3.3.3 Does the University have a University Science Instrumentation Centre (USIC)? If yes, have

the facilities been made available to research scholars? What is the funding allotted to USIC?

The University does not yet have a centralized Instrumentation Centre. However, most departments have Laboratories with sophisticated instruments which are used by the faculty members, research scholars and M.Sc./M. Phil students of the University. The XRD facility in the Department of Physics has been used by more than 200 users from over 20 different institutions in the State. Funds are available for civil construction of a Centralized Instrumentation Centre to bring all the sophisticated instruments of the Departments under one roof and procuring new instruments like fluorescence spectrophotometer, automated cell counter and digital oscilloscopes, Field effect scanning electron microscope etc. as central facility. State Government of Odisha has already sanctioned the money for the civil construction of the building of approximately 12000 sqft, architectural plans are being finalized and CPWD has been given the responsibility for the construction. State Govt. has also promised to provide more grant for procuring other sophisticated instruments in the second phase.

3.3.4 Does the University provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

The respective Departments of the University provide computer and internet facilities to all the research scholars, post-doctoral fellows, research associates, summer students and visiting scientists. Internet facility has also been given to student hostels.

3.3.5 Does the University have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?

Individual departments of the University have specialized research laboratories with a number of sophisticated instruments. These facilities are extensively used by the members of the University to work on focused research areas and these facilities are also extended to all the visitors of the departments as well as external users. For example, facilities like XRD, UV-Visible spectrophotometer etc. in the Dept. of Physics are used by members of other departments and institutions. The research facilities like HPLC, fluorescence microscope, real time PCR in Biotechnology Department are also used by many external users.

3.3.6 Does the University have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by Researchers from other laboratories

Most of the departments of the University are recognized nationally and internationally for their contribution to research in frontier areas. Proposals have been submitted for establishment of Centres of Excellence under various discipline. Several Departments like Physics, Biotechnology, Chemistry, Anthropology, Psychology and Geology have been identified as Centres of excellence because of their contribution to various emerging research areas. Department of Physics has been selected as a member of the multi Institutional INO (India based neutrino observatory) collaboration. Many eminent scientists and researchers have visited the Departments. The facilities like XRD, UV-Visible spectrophotometer created out of DST-FIST support and recognition of the Department of Physics are extensively used by researchers from other institutions and laboratories. The department of Anthropology assists foreign scholars having collaborations with them in their fieldwork.

3.4 Research Publications and Awards

3.4.1 Does the University publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

The Departments of Botany, Geography, Economics, MBA, Zoology, Geology publish research journals with ISSN numbers named as “Plant Science Research”, “Eastern Geographer”, “Utkal Economics papers”, “Sankalpa”, “Pranikee”, “Vistas in Geological Research” respectively. The editorial boards consist of faculty members of the respective Departments as well as external expert members. Papers are reviewed before publication. One/two issues are published per year.

3.4.2 Give details of publications by the faculty:

The research work from various Departments are regularly produced in the leading peer reviewed journals, conference proceedings and books. The average impact factor for the papers from Science Departments is in between 2-3 and some Departments have citation index more than 400. Faculty members get invited as Visiting scientists and Visiting Professors at leading National and International Institutions, Organizations. They have also received prestigious Humboldt fellowship, Max Planck Institute Fellowship etc. Faculty members serve in National advisory bodies and they have chaired sessions in prestigious International conferences. Interdisciplinary research work is encouraged and collaboration with other national and International Institutes have been established.

Details of Publications	Number
Papers in National Journal	1733

Papers in International Journals	231
Conference Papers	68
Monographs	59
Chapters in Books	188
Edited Books	82
Books with ISBN	83
Scopus	23
Citation Index	2100 +
Average Impact Factor	1.5 for those articles with impact factor
h-index	39

Details of the publication are available in individual department profile.

3.4.3 Give details of

- faculty serving on the editorial boards of National and International journals**

	No. of teachers
Membership in editorial boards	49
Referees and reviewers	52
Membership in PSC and UPSC	8
Membership in various committees in boards and universities	149
State level committees	20
National Level Committees	78
International Level committees	11

Details are available in departmental profile

- faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies**

Details available in departmental profile

3.4.4 Provide details of

- Research awards received by the faculty and students
- National and International recognition received by the faculty from reputed professional bodies and agencies

Department	Faculty	Awards/ Honours/Recognition
A & AE	Dr. A. Das	<ul style="list-style-type: none"> • Best Paper Award from National Institute of Public Finance and Odisha Environmental Congress. • 1st Prize in 10th Global conference for research.
Botany	Prof. A.B. Das	<ul style="list-style-type: none"> • Samanta Chandra Sekhar award from Odisha Vigyan academy.
Chemistry	Prof. P.K Sahoo	<ul style="list-style-type: none"> • Samanta Chandra Sekhar award from Odisha Vigyan academy.
	Dr. S.K Badmali	<ul style="list-style-type: none"> • Young Scientist award from Chemical research Society.
	Dr. A.K Behera	<ul style="list-style-type: none"> • National award for innovation from Govt. of India.
English	Prof. J. Nayak	<ul style="list-style-type: none"> • Prafulla Das anubad sahitya Samman.
Geology	Prof. R.N Hota	<ul style="list-style-type: none"> • UGC Research Awardee
Odia	Prof. N. sahuo	<ul style="list-style-type: none"> • Sahitya Academy Award
	Dr. A. Marandi	<ul style="list-style-type: none"> • Kendriya Sahitya Academy Yuva Puraskar.
PMIR	Prof. S.K Tripathy	<ul style="list-style-type: none"> • Chaired a session in International Seminar at Nepal.

Physics	Prof. S. Mahapatra	<ul style="list-style-type: none"> • Chaired a session in International Conference “Strings 2015” • Max Planck Institute fellowship • CERN fellowship • Humboldt reinvitation fellowship
Physics	Dr. P.K.Samal	<ul style="list-style-type: none"> • Young Scientist Award, Odisha Physical Society • Associateship, IUCAA
Zoology	Prof. P.K Mohanty	<ul style="list-style-type: none"> • Odisha Vigyan Prachar samiti award.
	Prof.P.K.Mohapatra	<ul style="list-style-type: none"> • Odisha Vigyan Prachar samiti award.
	Dr. G.Sahoo	<ul style="list-style-type: none"> • ErasMundus Fellowship-India-Euro.
	Dr. B. Paital	<ul style="list-style-type: none"> • Junior Scientist of the year from National Environmental Academy.

- Nearly 200 students have received different awards from various organizations.

3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the University participate in Shodhganga by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

S.No.	Department	Ph.D	M.Phil/M.Tech
1	Analytical and Applied Economics	14	48
2	Ancient Indian History, Culture and Archaeology	16	53
3	Anthropology	4	13
4	Biotechnology	22	0
5	Botany	11	22
6	Chemistry	31	52
7	Commerce	26	47

8	Computer Science	10	19
9	English	22	39
10	Geography	8	23
11	Geology	26	35
12	History	12	33
13	Law	22	
14	Library and Information Science	44	39
15	Mathematics	6	49
16	Odia	86	225
17	PMIR	12	28
18	Pharmaceutical Sciences	27	
19	Philosophy	20	304
20	Physics	2	31
21	Political Science	16	55
22	Psychology	12	73
23	Public Administration	13	75
24	Sanskrit	13	27
25	Sociology	7	25
26	Statistics	13	38
27	Zoology	32	63

University will soon participate in Shodhganga.

3.4.6 What is the official policy of the University to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

The supervisor and the scholar certify that their work is original. Till now, the malpractices and plagiarism are being controlled in the Departments by Senior faculty members, members of subject research committee and Board of Studies. University has already planned to procure the software for checking the plagiarism of research work.

3.4.7 Does the University promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

Please refer to 3.1.4

3.4.8 Has the University instituted any research awards? If yes, list the awards.

Till now no research award has been instituted by the University. However, proposals have been made to institute such awards by the Govt. of Odisha and Universities of Odisha.

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

University is yet to develop any incentive scheme. Proposals have been made to the Government of Odisha for providing incentive. Wherever possible, travel grant is provided to researchers to participate and present their research work in national and international conferences. The research achievements of the faculty members are highlighted during the Foundation day and Convocation ceremony of the university.

3.5 Consultancy

3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the University during the last four years.

When consultancy is provided by an individual, 20% of the honorarium received is payable to the university. However, such stipulation does not apply to institutional consultancy. The following 2 PG Departments have engaged in consultation

(i) Geology

Areas of consultancy and income generated- **Geo environmental Studies-**

Rs 2,10,000/- (By OMDC)

(ii) Botany

Areas of consultancy and income generated :

Orissa Power Generation Corporation, Bhubaneswar	: - Rs. 05.00 lakhs
Monnet Ispat Energy Limited, Bhubaneswar	: - Rs. 05.57 lakhs
National Aluminum Corportaion, Bhubaneswar	: - Rs. 14.65 lakhs
Mahanadi Coal Field Limited, Odisha	: - Rs. 14.62 lakhs

Total: 39.84 lakhs

3.5.2 Does the University have a university-industry cell? If yes, what is its scope and range of activities?

Though we interact with the industrial-corporate houses constantly, we are yet to establish a cell. We have interacted with Microsoft and ICICI bank (for DDCE course on banking and insurance). We also interact with industry for placement. Departments like Commerce, PMIR, Business Administration and Computer Science & Applications also contact industrial and corporate houses for internship and projects. Besides, students seek sponsorship for many of their cultural events.

3.5.3 What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?

Though formally, the University is yet to publicise its expertise in consultancy services, faculty members of departments Commerce, Management, Economics, Archaeology, Anthropology, English, Physics, Biotechnology, Botany, Geology, Computer Science etc. provide consultancy service as and when required.

3.5.4 How does the University utilize the expertise of its faculty with regard to consultancy services?

Utkal University, the premier university of the state, is well known for its expertise in various fields like Banking, Management, Entrepreneurship, Archaeology, Literature, Scientific instruments, computer programming etc. The departments of Commerce, Management, Economics, Computer Science and Applications, Archaeology, Anthropology, English, Physics, Biotechnology, Botany, Geology etc. provide consultancy service for free to various institutions and Govt. organizations. Faculty members have been in various important committees of the State and Country. They have rendered their service gratis as expert consultants.

3.5.5 List the broad areas of consultancy services provided by the University and the revenue generated during the last four years.

Details provided vide 3.5.1

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the University sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

Faculty members and students of various Departments have been involved in relief work during natural calamities. Alumni meetings and popular lectures are organized. Financial help to the students of disadvantaged sections are provided by the alumni members. Faculty and students actively take part in Swachh Bharat Abhiyan. School children are encouraged to visit the science laboratories. Some faculty members also

visit local schools and interact with the students. University has already visited some villages and the official process for adoption of the villages is in progress. Faculty members are actively involved in popularization of science in the college and school level. In addition, the following programmes were initiated to sensitize its faculty and scholars on its Institutional social responsibilities:

- i) Campus Cleaning
- ii) Smart Campus Activity
- iii) Cultural Activities among the students
- iv) Health Check up Programme
- v) Organizing different competition such as, Debate, Essay and G.K. competition.

3.6.2 How does the University promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?

- i) University promotes the “Gyanalok” programme for the Adult Education in adopted remote villages through the N.S.S. Volunteers of the University.
- ii) Awareness campaign for cleaning of rural villages
- iii) Blood Donation Camp and Skill Based workshops

3.6.3 How does the University promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?

The NSS Coordinator, Utkal University co-ordinates the volunteers from University to participate in different extension activities at National level including Plantation of endangered plants, organize Blood Donation Camp, Social Sensitization Awareness, Training of volunteers to work in different rescue operation during Flood, Cyclone through the help of OSDMA & ODRAFT team.

3.6.4. Give details of social surveys, research or extension work if any, undertaken by the university to ensure social justice and empower the under privileged and the most vulnerable sections of the society.

Students volunteer to teach the children of the under privileged sections of the society free of cost. Faculty members are involved with the activities for the upliftment of the disadvantaged women and children of the society through Kasturba Gandhi National Memorial Trust, Odisha.

3.6.5 Does the University have a mechanism to track the students’ involvement in various social movements / activities which promote citizenship roles?

NSS wing of the University coordinates student involvement activities and maintains the record.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the University, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

The NSS activities and social outreach programs organized by the University helps in grooming the students as concerned citizens with a sympathetic attitude towards the downtrodden of the society.

Several skill based workshops were organized in different P. G. Departments during the current academic session for promoting student involvement in local need base activities. Besides collaboration with TISS, Mumbai, different skill-based training such as soft skills, legal skills, and some mechanical skills, were organized in collaboration with NSS Bureau of Utkal University at Chandikhole, Balugaon, Khurda and Bhubaneswar.

3.6.7 How does the University ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the University which have encouraged community participation in its activities.

Every year the University initiates Campus Cleaning Drives by engaging different stake holders. Recently the University launched the Campus Cleaning Programme by engaging NSS volunteers, CRPF volunteers as well as faculty members. Further in this regard, the University utilizes the services of BMC, other Officers of the University for the aforesaid drives. The University organizes debate and G.K. competitions in which students of different affiliated colleges and P. G. Department of University participate. University also extended Health Check up programme for the slum dwellers and students of the campus.

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

No award has been received by the University for such activities.

3.7 Collaboration

3.7.1 How has the University's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the University benefitted academically and financially because of collaborations?

Faculty members are involved in collaborative research with various national and International Institutions. The University has mainly benefitted academically from these collaborations. The collaborations have resulted in significant research publications in leading peer reviewed journals. It has also helped in improving the teaching skill and diversity of the faculty members. Faculty members have visited the collaborating Institutes as Guest Scientists. The students have got exposed to frontier areas of research and have been motivated to pursue higher studies.

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)

The linkages established by the Departments of the University, have certainly been very useful in promoting all the above mentioned aspects.

Curriculum : Inclusion of other institutes, government agencies and industry representatives in respective Board of studies have brought inputs to transform the curriculum to a more practically useful structure. The evolution of CBCS syllabus involved all universities in Odisha. Some of them give guest lecturers in their respective domains of expertise.

Internship and on job training : The collaboration with institutes and industries and Alumni have helped us in placing our students under summer internship and hands on training positions. The summer internship by Physics students at IGCAR, CIPET are a few examples.

Faculty Exchange and Development : A number of experts from collaborating Institutions participate in Faculty Development programs at respective Departments or through the HRDC. Faculty Exchanges have greatly enriched our faculty and students in new areas of knowledge and skill. Department of Chemistry, Physics, English and Anthropology are a few examples.

Research and Publication : Collaborations are now at the heart of frontline research. Collaborations with other universities, institutions and Government Departments have often added new dimension to our research output and Publications. This is clear from the list of Publications.

Consultancy, extension and Placement : Tie up of MBA Department, PMIR Department or Commerce Department with corporates like MCL, NALCO and various government agencies have helped the university in expanding scope of Consultancy and placement. The Department of Psychology and Sociology involve the students and faculty in extension work.

The details of these aspects are given in the individual department profile/SSR.

3.7.3 Has the University signed any MoUs with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the University?

University has signed an MoU with the University of Tuebingen, Germany and another MoU with CIPET, Govt. of India. Eminent researchers from the University of Tuebingen have visited the University and one Faculty member from the Dept of Anthropology has also visited TU in Germany for research collaboration. Research proposal for a Joint project involving CIPET, Dept of Physics and Industry has been submitted for funding. Four students from the Dept of Physics have got selected to do the summer research project at CIPET. The researchers from the University get the opportunity to use the sophisticated Instruments at CIPET.

3.7.4 Have the University-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

Not yet. The planning and discussion is under progress.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

The University has a basic Engineering Section with Assistant Engineers on deputation. There is a Building Committee as the apex body for allocation of space and building for various usages. Besides, the academic buildings are also under the control of Chairman, Post-Graduate Council and Heads of the Departments. Sharing is a healthy practice of our University. The conference facility at Post-Graduate Council is shared by all. The large galleries in History / Political Science / Psychology Departments and three galleries in New Arts Block are also shared. The University also finds it difficult to cope with the needs of additional physical infrastructure and maintain one of the ageing infrastructures.

Land: Main Campus 397.806 Acres at Bhubaneswar and Madhu Sudan Law College campus at Cuttack 6.047Acres.

Name of the Building	Build-up Area (in sq.ft)	Floor	Total Area (in sq.ft)
Administrative Block and post office	77914.00	2	155828.00
Bank	9149.00	1	9149.00
Hospital Complex	6842.23	1	6842.23
Auditorium	15416.00	1	15416.00
KalyanMandap	5000.00	1	5000.00
University High School	17563.00	2	35126.00
Academic Staff College	6922.00	1	6922.00
Parija Library	41834.00	6	251004.00
Canteen	25420.00	1	25420.00
Union Office	2542.00	1	2542.00
Gym.	5232.00	1	5232.00
PG Council	7746.00	2	15492.00
Sports Council	6572.00	2	13144.00
Guest House	8795.00	2	17590.00
Old Arts Block	36712.00	3	110136.00
New Arts Block	42559.00	4	170236.00
Geology Department	19124.00	2	38248.00
Dept. of Math /SEIPS	9474.00	2	18948.00
Women Study	2195.00	1	2195.00
Computer Science	27687.00	1	27687.00
Pharmacy	17110.00	2	34220.00
Commerce	18814.00	2	37628.00
Anthropology and Statistics	24496.00	2	48992.00
Botany	21186.00	2	42372.00

Chemistry	31757.00	2	63514.00
Physics	30050.00	2	60100.00
Zoology	32402.00	2	64804.00
Law College	20189.00	3	60567.00
DDCE	22000.00	3	66000.00
M.S Law College	20000.00	2	40000.00
Bio-Technology	3695.00	1	3695.00
LLM	9624.00	2	19248.00
PRC	1425.00	1	1425.00
DARCEE School	5557.00	2	11114.00
Psychology	28914.00	2	57828.00
Public Administration	1121.00	1	1121.00
M. Tech	14262.00	1	14262.00
MBA	24587.00	2	49174.00
IMCA	17772.00	2	35544.00
Geography	13770.00	2	27540.00

PLINTH AREA FOR NON TEACHING STAFF QUARTERS

Name of the Building	No. of Quarters	Build-up Area (in sq.ft)	Total Area (in sq.ft)
D-Type Qrs.	05	93.31	466.55
E-Type Qrs.	35	73.80	2583.00
F-Type Qrs.	104	62.04	6452.16
G-Type Qrs.	62	38.00	2356.00
H-Type Qrs.	18	27.00	486.00
HA-Type Qrs.	04	139.00	556.00
HB-Type Qrs.	30	50.00	1500.00
HC-Type Qrs.	40	43.50	1740.00
NF-Type Qrs.	52	40.80	2121.60
HB-F-Type Qrs.	07	55.60	389.20
HC-F-Type Qrs.	06	45.00	270.00
E-F-Type Qrs.	24	137.00	3288.00
NF-R-Type Qrs.	12	74.85	898.20
HB-R-Type Qrs.	12	137.00	1644.00
2NF-R-Type Qrs.	12	74.85	898.20
F-F-Type Qrs.	24	50.17	1204.08
2E-F-Type Qrs.	12	65.44	785.28
D-F-Type Qrs.	06	94.89	569.34

PLINTH AREA FOR TEACHING STAFF QUARTERS

Name of the Building	No. of Quarters	Build-up Area (in sq.ft)	Total Area (in sq.ft)
A-Type Quarter	11	213.75	2351.25
B-Type Quarter	11	180.11	1981.21
B-R-Type Quarter	4	148.70	594.8
C-Type Quarter	24	100.00	2400.00
CF-Type Quarter	20	100.00	2000.00
BF-Type Quarter	20	83.27	1665.40
SF-Type Quarter	11	263.00	2893.00
JF-Type Quarter	11	134.40	1478.40
JFR-Type Quarter	8	280.56	2244.48
CF-R-Type Quarter	6	108.32	649.92
2CF-R-Type Quarter	12	108.32	1299.84

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

The University constantly endeavors to enhance the infrastructure and ensure proper maintenance for improving learning ambience. During the last four years, the following initiatives have been taken and the following projects have been completed.

New Building Project 2011 -15

Name of the Building	Floor	Build-up Area (in sq.ft)
Boys Hostel No.7 (300 seated)	G+2	2780.70
Ladies Hostel No. 7 (300 seated)	G+3	3707.60
Ladies Hostel No. 8 (200 seated)	G+3	2570.00
HRDC Block	G+2	3400.00
Academic Block	G+1	4928.00
e-Library	G+1	1500.00
Language Block	G+1	1237.06
Convention Centre	G	2996.00

4.1.3 How does the University create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

There has been substantial improvement in the infrastructures like laboratories, equipment, computers, internet connectivity and departmental libraries for facilitating research activities. Individual Departments have

laboratories with sophisticated instruments which are being used by members of the faculty of the University departments as well as by members of other Institutions. Internet connectivity has been given to all the departments through University Computer Centre. Some departments also have wi-fi connectivity. This has enormously helped in increasing the research activities in the departments in terms of access of e-journals, collaborative research work etc. Research laboratories have been upgraded and new laboratories have been established in many departments. Computational facilities with advanced software have been installed in some departments. Eminent scientists working in frontier areas of research are invited by the departments to give lectures and interact with the teachers and the research scholars. Public lectures by eminent scientists are organized by the departments. Since the University has formal and informal collaboration with nearby National Institutions like IOP, NISER, IIT, CIPET, ILS, IMMT, OUAT etc, the equipments available there are also used by the researchers of the University. University encourages all the teachers and research scholars to visit reputed research institutions in the country and abroad and get exposed to research work in emerging research areas. Recently, the university has received grant for establishing a centralized instrumentation centre and a digital library with e-resources that is expected to boost the research output.

Name of the Dept.	Name of the Lab	Features/ Major Equipments	Remarks Relevance for Research & any other information deemed necessary
Anthropology	Biological Anthropology Lab, Archaeological Anthropology Lab and Museology Lab	<ol style="list-style-type: none"> 1. PCR (Thermo & Applied Biosystem) 2. Minus 20 & minus 84 Refrigerator 3. Millipore Water purification system 4. Rot spin Rotary mixture 5. Water bath shaker 6. UV Transilluminator 7. Anthropolomer rod 8. Mandibulometer 9. Martin's needle 10. Cubic craniphore 11. Tubular craniophone 12. Diagraph 13. Diaptograph 14. Goniometer 15. Weighing machine 16. Biochemical analysers (Sysmax, Systronics) 17. Geological microscope 18. Multichannel micropipette (nippet/eppendorf/tarson/Rainin/Finecare-biosystems) 	Equipped to pursue research into Human genetics, Molecular anthropology, Palaeo-anthropology and Forensic anthropology

		19. Centrifuge Machine(with 16x15 ml rotor angle) 20. pH meter digital (mp based) /Non mp based 21. Rotor angles (15 ml) for ELTEK Centrifuge 22. Island Table for Laboratory 23. Laboratory Equipment Table 24. Chemical Storage Cabinet for Laboratory 25. Microscope 26. Blood pressure machines (digital, aneroid) 27. Glucometer 28. pH meter 29. GPS system 30. Nikon Digital SLR camera 31. Fumigation chamber	
Biotechnology	Research Lab -1	1. -80°C freezer, 4° freezer 2. Centrifuge, Electrophoresis and Blotting system	Functional Used for Teaching and Research purpose
	Research Lab-2	1. PCR machine 2. Real Time PCR machine 3. Gel documentation system 4. Vertical and horizontal electrophoresis system 5. Fluorescence microscope with digital imaging system 6. HPLC (High Performance Liquid Chromatography) 7. ELISA reader 8. UV-Vis Spectrophotometer 9. Digital Balance 10. -20°C & -50°C freezer 11. High Speed Cooling Centrifuge 12. Digital pH meter	
	Research Lab-3(Cell Culture)	1. CO ₂ Incubator 2. Phase II Bio-safety cabinet 3. High Speed Cooling Centrifuge 4. Inverted microscope	
	Student Lab-1	1. Laminar air flow-horizontal system	

	(Biochemistry-1)	<ol style="list-style-type: none"> High Speed Cooling Centrifuge Biofermenter Orbital shaker Colorimeter NIBP Tail-cuff sphygmomanometer 	
	Student Lab-2	<ol style="list-style-type: none"> Digital Balance Hot air oven Centrifuge 	
	Student Lab- 3 (Molecular Biology)	<ol style="list-style-type: none"> Hansatech oxygraph UV-Vis Spectrophotometer Spectrofluorimeter (1) Vertical and horizontal electrophoresis system (2) Sonicator (3) High Speed Cooling Centrifuge (4) Millipore and Milli Q water system (5) Sonicator (6) Autoclave 	
Botany		<ol style="list-style-type: none"> Electro-Cell Manipulator (Btx Inc. USA) UV-Vis spectrophotometer (Perkin Elmer, Swiss. Lambda EZ201 with accessories) IRGA (CIRAS-2, PP Systems, UK) with accessories Fluorescence Spectrophotometer (Varian) Plant Efficiency Analyser (Hansa Tech) Atomic Absorption Spectrophotometer (Perkin Elmer Analyst 200) Gel Documentation System (BioRad) 	Functional

		9. Polymerase Chain Reaction Machine (Applied Biosystems) 10. Gradient PCR – Biorad (USA) 11. Temperature controlled Incubator (South Korea) 12. Refrigerated high speed centrifuge (Ependorf, Germany)	
Chemistry	Prof.Dr. Gokulanda Mohapatra Advance Chemistry Laboratory	1. Oven, 2. Melting apparatus, 3. Boiling Point apparatus, 4. Kipp's Apparatus	All master degree students and research scholar use for experiment and research activities
	Physical Chemistry Laboratory	1. UV-Vis Spectrophotometer, 2. Micro-Oven, 3. pH-meter, 4. Colorimeter, 5. Centrifuge Machine	All master degree students and research scholar use for experiment and research activities
	Instrument Room	1. Microwave synthesizer, 2. Stopped-Flow, 3. Thermal Analyser, 4. FT-IR Spectrophotometer, 5. Laminar Flow, 6. Incubator, 7. Cyclic Voltmeter, 8. Multifrequency Ultrasonic Interferometer, 9. CHNS-Analyser, 10. Atomic Absorption Spectrophotometer, 11. Rheometer, 12. Sonicator, 13. Tubular furnace, 14. Gas chromatograph,	UV-VIS Spectrophotometer, Ultrasonic Interferometer- Working condition .

		15. Autoclaves, 16. Magnetic stirrer, 17. Oven, 18. TLC chamber	
Geology	AAS Lab	1. AAS 2. Microdigester-1	Geochemical Analysis(Trace elements)
	Ground Water Lab	1. Spectrophotometer-3 2. Flamephotometer-2 3. Ironmeter-1 4. Fluoridometer-1 5. Hot air oven-2 6. Distilewaterplant-1	Geochemical Analysis(Major and Minor elements)
	Sedimentary Lab	1. Auto Sieve shaker-2 2. Sieve- 2 sets	Sedimentological analysis
	Microscope Lab	1. Gemolite-1 2. Leica (advanced)-2 3. Polarising microscope-2 4. Stereo microscope-1 5. Research microscope-11 6. Students microscope-22	Petrography, Mineral characterisation
	Section cutting lab	1. Section cutting machine-2	Preparation of thin and polish section
	Remote sensing Lab	2. Mirror Stereoscope-8 3. Pocket stereoscope-10	Image analysis
Physics	Nano Science Research Laboratory	1. X-Ray Diffractometer, 2. UV-Vissible Spectrophotometer, 3. Thin film Coating Unit, 4. Spin Coating Unit, 5. DC/RF sputtering Unit,	Structural and optical property characterization. Preparation of nano thin film and thick film.
	Solid State MSc./M. Phil. Laboratory	1. Experimental Setup of Hall Effect, Lattice Dynamics Kit, Seebeck Effect, 2. Magnetoresistance Setup, Four Probe Setup, Forbidden Energy Gap kit, 3. Ultrasonic, Interferometer for Liquid, 4. Computerized Hysteresis	For the experiments related to solid state physics.

		Loop Tracer, 5. Electron Spin Resonance, 6. Curie Temperature Kit, 7. Ultrasonic Interferometer for solid 8. Photo Conductivity Setup, 9. Holographic interferometry	
	Nuclear and Particle Physics Laboratory	1. Geiger Muller counter, 2. Electron Spin Resonance Spectrometer, 3. Nuclear Magnetic Resonance spectrometer, 4. Wilson cloud chamber, 5. Black body radiation, 6. Gamma ray spectrometer, 7. Compton scattering, 8. Rutherford scattering	For the experiments Related to nuclear and particle physics.
	Modern Physics & Optics Lab	1. Frank Hertz experiment, Stefan's constant, Millikan's oil drop method, 2. Babinet compensator, michelson interferometer, Fiber Optics setup, 3. Laser, 4. Spectrometer, 5. Planck's constant, susceptibility measurement apparatus, Oscilloscope, 6. Function generator	For the experiments related to modern physics and optics .
	Electronics Lab	1. Transistor amplifier, 2. R-C coupled amplifier, multivibrator, 3. FET, 4. OPAMP, 5. Logic operators kit, Square-wave response of a RC network, 6. Oscilloscope	Various experiments related to electronics.

Zoology	Zoology Lab	1. UV visible Spectrophotometer, HPLC, 2. GEL Documentation, 3. Thermal cycler, 4. Fluorescent microscope, Stereomicroscope, 5. Compound microscope, 6. Deep freezer-20°C, 7. Gel Electrophoresis units, 8. Vacuum oven, 9. Digital Balance, 10. Water distillation unit, 11. Tissue Homogeniser, 12. pH meter, 13. cold Centrifuge, 14. Densitometer and ELISA reader, BOD incubator, 15. Laminar flow.	Teaching and research
---------	-------------	--	-----------------------

4.1.4 Has the University provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes. By large all the Departments have adequate office room, teacher's room, class rooms etc. Of course some departments lack class rooms like, AIHCA / PMIR / English / A&A Economics/Biotechnology etc. Special efforts are being made to meet this. Common Rooms for girls are shared by the Departments. As the Hostels are located within the campus we don't face any problem. All blocks have adequate toilet facility for men and women. The Details of physical infrastructure has been provided 4.1.

4.1.5 How does the University ensure that the infrastructure facilities are disabled friendly?

Efforts have been made to ensure that most of the infrastructure facilities are disabled friendly. Ramps have been provided in major buildings.

4.1.6 How does the University cater to the requirements of residential students? Give details of Capacity of the hostels and occupancy (to be given separately for men and women) Recreational facilities in hostel/s like gymnasium, yoga centre, etc. Broadband connectivity /wi-fi facility in hostels.

Name of the hostel	F/M	No. of Rooms	Capacity	Occupancy	Recreational facility	IT Facility
Gents Hostel No. 1	Male	210	370	360	TV, Carom, Library, Badminton	Internet Available

Gents Hostel No. 2	Male	210	225	225	TV, Carom, Library, Badminton	Internet Available
Gents Hostel No. 3	Male	185	185	170	TV, Carom, Library, Badminton	Internet Available
Gents Hostel No. 4	Male	204	190	175	TV, Carom, Library, Badminton	Internet Available
Gents Hostel No. 5	Male	68	50	45	TV, Carom, Library, Badminton, Gymnasium	Internet Available
Gents Hostel No. 6	Male	60	118	118	TV, Carom, Library, Badminton	Internet Available
Total Gents Hostel		937	1138	1093		
Ladies Hostel No. 1		126	280	280	TV, Carom, Library, Badminton	Internet Available
Ladies Hostel No. 2	Female	29	120	120	TV, Carom, Library, Badminton	Internet Available
Ladies Hostel No. 3	Female	32	140	140	TV, Carom, Library, Badminton Yoga Centre	Internet Available
Ladies Hostel No. 4		71	189	210	TV, Carom, Library, Badminton	Internet Available, LAN room
Ladies Hostel No. 5	Female	116	320	328	TV, Carom, Library, Badminton Yoga Centre	Internet Available
Ladies Hostel No. 6	Female	20	120	120	TV, Carom, Library, Badminton	Internet Available
Total Ladies Hostels		394	1169	1198		
Grand Total		1331	2307	2291		

4.1.7 Does the University offer medical facilities for its students and teaching and non-teaching staff living on campus?

1. Infrastructure:

Total Floor space: New Building- 124 sq. ft.
 Old Building- 5218 sq. ft.

Number of rooms:

- Front wing: Nine rooms with corridor and two rooms with attach bath room.
- Middle wing: Seven rooms with corridor, two toilets and one room with attached toilet.
- New wing: two rooms with attached toilets.

2. Beds: Six observations beds available.

3. Emergency Facilities: Doctors on call for 24 Hours. Patient kept under observation, treated and discharged or referred. No indoor facilities. First aid provided minor surgeries procedure done. Regular immunization clinic.

4. No of patient treated in the outpatient Department:

- 2010-2011- 26,370 (old & new).
- 2011-2012- 24,852 (old & new).
- 2012-20123- 23,000 (old & new).
- 2013-2014- 24,888 (old & new)

5. Ambulance: One

6. Non-salary Budget Position:

- 2010-2011 : Rs. 11,08,000/-
- 2011-2012 : Rs. 11, 15,000/-
- 2012-2013 : Rs. 11,15,000/-
- 2013-2014 : Rs. 11,61,000/-.
-

4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

- Two Gymnasiums
- One indoor stadium with badminton court
- Volley ball, Basket ball, Kabadi, and Kho-kho court,
- Field for foot ball and cricket
- An open stadium is under renovation

4.2 Library as a Learning Resource

The central library of the Utkal University, named after its first Vice Chancellor, Professor Pranakrushna Parija, is one of the finest libraries in the state of Odisha. Set up in 1946 in Cuttack, it was shifted to the campus of Utkal University in Bhubaneswar in 1962. The building of the library, an impressive edifice, is spread over 28,000 square foot and comprises a large reading room, periodical, reference, manuscript, documentation and text-book and administrative sections. The library consists of more than two hundred thousand books and 5800 rare manuscripts. To

serve the information needs of its large number of users in a globalised world the library, as part of UGC INFONET Digital Library Consortium INFLIBNET, provides them access to e-resources. The faculty, students, research scholars and employees of the University find Parija Library a vibrant and welcoming learning space.

History

The Parija library was first located at Bhrdhaman Kothi, Cuttack in 1946. It was later shifted to Utkal University Library Building in 1962. The Parija Library in Utkal University was set up in 1946 at VaniVihar in Bhubaneswar and was named so in the memory of the first Vice-Chancellor and a great scientist Late Dr. Pranakrishna Parija.

Location

The Parija Library in Utkal University at VaniVihar has its own building within the campus. The library is situated in the heart of the campus. It occupies 28.000 sq. ft. The reading room occupies 7500 sq. ft. for 200 users, Periodical Section comprises 1800 sq. ft. for 60 users, Reference section comprises 1500 sq. ft., Administrative room occupies 2800 sq. ft., and Manuscript Section occupies 2500 sq. ft.

Library Sections

The library has nine section viz. -Acquisition section, -Technical Section, -Periodical Section, -Circulation Section, -Reference Section, -Documentation Section, -Administrative Section, -Text book Section, - Manuscripts Section. Each section is headed by three Asst. Librarians.

Working Hours: The Parija Library in Utkal University is open on all working days from 10 a.m. to 10 p.m. except on Saturdays, Sundays and national holidays. However, it is open on Saturday and Sunday from 10.00 a.m. to 4.30 p.m. only. Books are issued on all working days from 10.30 a.m. to 4:00 p.m.

Library Committee

A library committee has been formed for the maintenance of the Parija Library in Utkal University. The committee frames the rules and regulations of the library after approval from University authorities.

Staffs of Parija Library

The Parija Library has 46 sanctioned posts and Library Office has 19 sanctioned posts. The posts are as follows:-

1. Chief librarian - One post
2. Asst. Librarian - Six
3. Tech. Asst.- Eight
4. Jr. Tech Asst. - Ten
5. Pandit Asst. - One
6. Library Attendant - Eighteen
7. Binder – Two

Administrative Section

1. Section Officer – One

2. Sr. Asst. – Four
3. Jr. Asst – Two
4. Jr. Typist - One
5. Peon – Four
6. Watch man- Three
7. Sweeper –Four

Above all there is a provision of Professor-in-charge of library to look after the library management.

Library Users

The Parija Library in Utkal University is used not only for the students but also by the teachers, employees and research scholars. It also caters to the needs of those outside the University as per their requirement.

Library Resources

The library has printed books, journal and thesis.

- a) Total Books: 2, 51,663.
- b) Books received in Donation : 2,500
- c) National and International Journals : 236
- d) Total Manuscripts : 5,800
- e) E-Resources: The Parija Library is a part of UGC INFONET Digital Library Consortium INFLIBNET programme.
- f) Print Journal: The Parija Library subscribes to 41 current journals and magazines. It also subscribes to 19 daily news papers.

MAGAZINE: Banking service chronicle / Business & management chronicle / Banking & you / Competition success review / Competition references / Competition wizard / Competition in focus / Civil service chronicle / Civil service times / Chanakya / Economic & political weekly / Employment news (Eng) / Economy at a glance / Economy titbits / Front who / G. K. Today / India today / Kurukhetra / Master in current affairs / Main stream / National geography / News & events / New panoramo / Outlook / Pratiyogitakiran / Pratiyogitadarpan / Reader's digest / Renu G. K. & World vision / Science Reporter / Sport Star / Success mirror / Yojona (Eng) / Woman's Era / Wisdom.

ODIA MAGAZINE: BigyanDiganta / Jhankar / Yojona(oriya) / Nijuktikhabar / Niyati / Prajatantrasaptahika / Odiakohinur press panji.

DAILY NEWS PAPER: The Samaj / The Prajatantra / The sambada / The Dharitri / The Pragatibadi / The Samaya / The Prameya / The states man / The New Indian express / The Times of India / The pioneer / The Economic times / The Business Standard / The Teligraph / The Orissa post / The Financial Express / The Hindu / The Business line / The Asian Age.

- g) Dissertations: The library has also in house repository of 10,567 thesis of different branches. Viz. Arts, Science, Commerce, Medical, Law.
- h) Facilities: The Library has the facilities of General Reading Rooms with the capacity of 120 seats, separate section for research scholar with the capacity of 14 research cubicles. Besides the reading facility it often lending of books for a period

of 4 weeks to each member of Parija Library. It has also a photocopy unit to supply photocopy of the needed reference books and journals at the time of need.

4.2.1 Library as a Learning Resource:

Parija Library has an advisory committee named as library committee.

Constitutions of Library committee:

- a) Vice-Chancellor, the Registrar, the Finance Officer and the Development Officer as Ex-Officer.
- b) Four teachers out of which two shall be University teachers to be elected by the Academic Council including the Co-opted members from among themselves by Nos. including the additional members co-opted on special occasions or for any particular purpose.
- c) Two persons to be elected to the Senate who are not teachers.
- d) One person to be elected by the Syndicate from among its members.
- e) A Professor from the Post-Graduate Departments of the University nominated by the Vice-Chancellor who shall be designated as Professor-in-charge of the Parija Library.
- f) The Chief Librarian of the Parija Library shall be the Secretary of the Committee.

Functions of the Library Committee:

- (i) To recommend to the Academic Council matters relating to the use of the Parija Library and other libraries under the University
- (ii) Fees payable for use of the Parija Library and determination of the rate or rates thereof :
- (iii) Conditions of borrowing and returning of books:
- (iv) Suspension of privileges for the loss, mutilation or disfigurement of books or for any breach of the library rules:
- (v) Annual inspection of libraries and arrangement for stock taking:
- (vi) Periodical review of the purchase by random sampling and to examine the fund positions and :
- (vii) All other matters relating to the control and management of the Parija Library and other libraries under the University.

4.2.2 Reading Room-users Capacity : 100

e-Journal User capacity	: 50
Current Journal section capacity	: 100
Dissertation Section capacity	: 50
Back Volume Section capacity	: 10
Manuscript section capacity	: 20
Reference and Text Books	: <u>20</u>
Visitor Register 2011 to 2015	: 350 Capacities Per day
Individual reading research cubicles	: 14
Seats capacities in each cubicles	: 01
Lounge for brazing and relax reading facilities:	10
Users IT zone for assessing e-resources:	50

- (a) Normal office hours : 1000 hours to 1630 hours
- (b) Evening office hours : 1530 hours to 2200 hours
- (c) Before examinations library working hours: 0900 hours to 1000 hours.

- (d) After examination library working hours: 1000 hours to 1630 hours
- (e) Library Working Hours in holidays and Sunday: 1000 hours to 1630 hours
- (f) Puja Holiday (Library closes for four days)
- (g) Library Working Hours in Saturday (except Second Saturday): 1000 hours to 1630 hours
- (h) Summer Vacation: Library opens as per normal working hours
- (i) X-mas: Library opens as per normal working hours.

4.2.3 A. Details of Library Holdings

Name of the Section.	2010-11		2011-12		2012-13		2013-14		2014-15	
	Holding	Issue	Holding	Issue	Holding	Issue	Holding	Issue	Holding	Issue
Text Books	2,57,334	1,10,705	2,57,697	1,86,033	2,58,845	1,88,049	2,59,329	2,10,000	2,59,685	1,55,92
Reference Section.	9,731	5,916	9,759	4,504	10,323	6,027	10,500	7,130	10,500	1500
Manuscript Section.	5,800	150	5,800	203	5,800	172	5,800	183	5,800	195

4.2.4 Tools to access the Library collection

The Library has a database on e-Granthalaya Library Software package. So as per the modules the users can access to the library collection. The modules of e-Granthalaya are as follows:-

Access point to assess the information from Library holdings:

- (1) Title
- (2) Author
- (3) Corporate author
- (4) Editor
- (5) Edition
- (6) Publisher
- (7) Place
- (8) Subject
- (9) Key-words
- (10) Year
- (11) Country

Acquisition Information

(7) Currency

(8) Item price

Holding Information

- (1) Accession No.
- (2) Accession date
- (3) Class No.
- (4) Book No.

The library also subscribes to e-resources under UGC INFONET programme on the following Journal Publications: The detail report is attached for information

- a) AIR ARCHIVES
- b) AMERICAN CHEMICAL SOCIETY
- c) AMERICAN INSTITUTE OF PHYSICS
- d) AMERICAN PHYSICAL SOCIETY

- e) ANNUAL REVIEW
- f) CAMBRIDGE UNIVERSITY PRESS
- g) ECONOMIC AND POLITICAL WEEKLY
- h) EMERALD
- i) INSTITUTE OF PHYSICS
- j) JSTOR
- k) OXFORD UNIVERSITY PRESS
- l) PROJECT MUSE
- m) ROYAL SOCIETY OF CHEMISTRY
- n) SPRINGER
- o) TAYLOR & FRANCIS
- p) WILEY BACK WILEY PUBLICATION

4.2.5 ICT deployed in the Library

The Parija Library has different ICT such as computer, scanner and Printer. Computer is used to browse the information through Internet. Users can scan and Print to access the necessary information.

4.2.6 Number of readers / users per month to Year

Month	2010-11	2011-12	2012-13	2013-14	2014-15
January	1788	1904	1887	1785	1416
February	1906	2064	1989	1812	1606
March	2088	2022	2005	1889	2536
April	2112	1925	1984	1772	1771
May	1672	1820	1730	1704	1566
June	1490	1460	1687	1482	746
July	1862	1730	1890	1663	1449
August	2012	1756	1963	1756	1744
September	2004	1930	1869	1726	1877
October	1364	1406	1422	1419	723
November	1180	1387	1691	1600	
December	1220	1107	1482	1200	

4.2.7 Details about Manuscripts Section of Parija Library

The Parija Library is the proud owner of a rich collection of rare manuscripts which illuminates different aspects of the glorious intellectual collection of Odisha. This collection has been built up over the years by the dedicated scholars. After the University's establishment in 1943 a concentrated effort was made to collect manuscripts from different villages of Odisha. Eminent scholars like Prof. Atraballav Mohanty and Prof. Karnukar Kar generously donated manuscripts in their possession to the library of the University and thus laid the foundation of its manuscripts' Section which now contains 5800 manuscripts. A catalogue of the manuscripts was prepared with financial assistance received from Nahmal Archive. The manuscripts include learned commentaries on the Vedas and Upanishads, writings on aura of knowledge such as Tantra, Ayurveda,

Darshan, Jhotish, Ganita, vyakarana and Alankara. With the help of some of these rare manuscripts, some scholars have been able to trace the profound information on Jayadev's Gita Govinda exercised on the Odia tradition. Every effort is being made by Parija Library to preserve and showcase the precious manuscripts heritage of Odisha. It provides Manuscripts services on subjects (a) Vedas, (b) Tantras, (c) Sanskrit Puran, (d) Dharma sastra, (e) Ytisha, (f) Ganita, (g) Ayurveda, (h) Avidan, (i) Vyakarana and (j) Darsan.

4.2.8 Library Budget

Book grant is allotted to the respective Department to purchase the text books as per the need of the concerned users. Parija library receives only developmental fund from P. G. Central office to purchase current journals.

Library Development Grant 2010-2011	Spent for books purchase Current Journals	Library Development Grant 2011-2012	Spent for purchase Current Journals	Library Development Grant 2012-2013	Spent for purchase Current Journals	Library Development Grant 2013-2014	Spent for purchase Current Journals	Library Development Grant 2014-2015	Spent for purchase Current Journals
Rs.2,04,800	Rs.10,1906	Rs.2,06,900	Rs.54,169	Rs.2,10,000	Rs.2,53,704	Rs.2,1,400	Rs.80,889	Rs.3,72,800	Rs.21,148

4.2.9 Initiatives by Parija Library

The Parija Library celebrates different Training Programmes for the development of the staff efficiency and users knowledge on e resources.

1. UGC sponsored Skill Development workshop on the use of Library software package dated: 20/11/2015 to 21/11/2015.
2. Users awareness programme on access to e-resources under UGC Infonet -Digital Library Consortium by INFLIBNET programme is to be held shortly.
3. Users Awareness Programme by PROQUEST on e resources programme is to be held shortly.

4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library Services?

Feedback is being collected and analyzed. However, on the demands of the students, the timing of the library has now been extended by 2 hours in spite of staff shortage.

4.2.11 List the efforts made towards the infrastructural development of the library in the last four years.

A new building with a plinth area of 1500 sq.mt is being constructed to house a digital library. Repair and renovation of library building has been carried out by CPWD.

4.3 IT Infrastructure

4.3.1 Does the university have a comprehensive IT policy with regard to IT Service Management, Information Security, and Network Security?

- Moving towards paperless administration.
- Automation of the University administration for greater transparency and effective functioning.
- Hosting the University information on the website (<http://www.utkaluniversity.ac.in/>)
- Maintenance of dedicated servers for various information and applications.

IT Service Management

The University has a fully functional Office of the Computer Center to cater to the needs of the present day demands in the IT related services. It manages Internet and Intranet services with underground optical fiber cables to all the units in the University. The University has a Web Server and plans to set up Mail Server, Data Server, and dedicated servers for various applications through which all IT related services such as admissions, examinations can be provided.

Information Security

The information security is ensured with proper control of access rights. Using fire-wall services and mirroring the information on servers.

Network Security

The Network security is made possible with proper checking of unauthorized access, intruders, hackers, virus protection etc.

Risk Management

The University has RAID server for mirroring of information and maintains periodic backup.

Software Asset Management

- The University adheres to terms and conditions for license agreement of IT resources.
- The University Computer Center maintains all the software assets of the University.

Open Source Resources

- University considers Open-Source Software and proprietary software on equal footing while purchasing software. Preferably Open Source software is being used.
- As a policy, University encourages Open Source Resources like Linux, Open Office, and other Open Source software such as: SCILAB , LATEX, MYSQL etc.

Green Computing

- The University adopts the Government of Odisha policy for green computing. All the outdated unserviceable computers and peripherals are to be handed over to the designated firms approved by Pollution Control Board, Govt. of Odisha for recycling.
- To reduce electronic hazards and improve energy efficiency are replace CRT Monitors with LCD Monitors.

4.3.2 Give details of the university's computing facilities i.e., hardware and software

- 527 System (with 18 Servers).
- Laptops-95
- LCD- 44
- Interactive Board-10
- Printer-118
- Scanner-47
- CCTV-39
- Public address system-19
- A.C-264
- UPS-204
- Software usage: SPSS, E-Views, STATA, METLAB and major anti-virus.

Dedicated computing facilities:

Computer Centre, Communication Laboratory for soft skill development

LAN facility:

Campus-wide underground fiber optic cabling (OFC) has been laid to connect all the Departments, Centers, and other units by installing Core and Distribution Switches with 1 Gbps connectivity, by NKN.

Proprietary software

Operating Systems software – MS Windows 8.1/10, LINUX.

Application software – MATLAB, SPSS, NS-2, MATHEMATICA.

Number of nodes/ computers with internet facility

1500 Desktops.

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

- Replacing the outdated systems with latest systems
- Developing dynamic website
- Establishment of Data Centre

4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

The Staff and Students are allowed to access various learning resources through campus-wide network. The learners have access to e-books through Digital Library.

4.3.5 How does the university address issues such as authenticity and copyright with regard to online resources that lie outside the university?

The University discourages copyright violation by downloading and distribution of unauthorized information

4.3.6 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

The University has planned well in advance by foreseeing the future requirements of IT enabled services and laid Campus-Wide OFC with compatible accessories for 1Gbps, while connecting all the units including hostels of the campus up to the teaching classrooms with high speed internet connectivity and other intra-net services. It has taken necessary and appropriate measures in establishing computer labs in various departments; IT enabled teaching aids, smart classrooms, virtual labs etc., to meet the future challenges.

4.3.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

All the teachers are provided with individual computing facility with Internet connection.

4.3.8 Give details of ICT-enabled classrooms/learning spaces available within the University? How are they utilized for enhancing the quality of teaching and learning?

Almost all the classrooms are equipped with LCD projector and these facilities are being used optimally and this results a paradigm shift from traditional to Smart Classrooms.

4.3.9 How are the faculty assisted in preparing computer-aided teaching learning materials? What are the facilities available in the University for such initiatives?

The UGC-Human Resources Development Centre (GC-HRDC) of the University arranges training programmes for the faculty in the effective use of computers in the teaching-learning process. The training comprised of lectures and demonstrations on the effective use of PPTs coupled with Internet in making the teaching more interesting and effective. Classrooms, teaching laboratories and research laboratories are provided computers with internet facility. Research and Development unit of the University too provides funds for organizing seminar and various skill development programme to promote research.

4.3.10 How are the computers and their accessories maintained?

The maintenance of computers and its peripherals are under Annual Maintenance Contract as well as comprehensive maintenance for 5 years. The expenditure incurred is met from the resources available with university funds.

4.3.11. Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

Yes .The University has acquired the NKN connectivity with 1Gbps bandwidth provided by BSNL. At present, the University is using only Internet services.

4.3.12. Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes. The teaching staff and students are optimally availing the various educational web resources. As there is no formal policy on accessing web resources, the users are free to access all sites providing the information useful for educational advancement.

4.3.13. Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.

Sufficient budget allocation is available from the funds generated under various research schemes, departmental developmental programmes and University level programmes.

4.3.14 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

The learning resources developed which are presently available on the intranet will be made available on internet in due course, thus driving the University to open environment.

4.4 Maintenance of Campus Facilities

4.4.1 Does the University have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

The University has a Development Officer and Assistant Engineers who are looking after the infrastructure development of the University. Street lighting, road and building (office, hostels, academic blocks, and quarters) maintenance are regularly done. To check the thoroughfare of the campus, visitors are regulated by three gates. The University has also an estate officer who has also given magisterial power.

4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details.

The development officer looks after the maintenance of campus facilities. There is a full-fledged engineering section. Bhubaneswar Municipal Corporation looks after the cleanliness. CPWD, PWD and other Government agencies are roped in for maintenance, renovation, and construction of new building.

Any other information regarding infrastructure and learning resources which the University would like to include:

Swachha Bharat

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

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

Students being the main beneficiary of the University Education System always have the first and foremost priority. The first level of student mentoring and support starts in their respective Departments where the individual teachers, the teachers' council and the Head of the Department work towards providing systemic support and advice through regular consultations. PG students are divided into groups with each group assigned to a teacher for mentoring. Every Saturday the teacher interacts with his mentoring group. The second level of systemic support is with the PG Council where the Director Students' welfare, Advisor Students' Union, Vice President Athletics and the Chairman PG Council provide support, grievance redressal mechanism and mentoring on call. The Hostel Superintendents, Assistant Superintendents, Deputy Warden and Warden of PG Hostels also play a vital role for students staying in Hostels. In addition, the students have access to the Vice-Chancellor whom they can contact through mail and or meet directly to resolve their problems. For students in need of some amount of professional counseling, a counseling cell operates in the PG Departments of Psychology. The Director Students' Welfare is a statutory officer of the University to look after all affairs of the students.

5.1.2 Apart from classroom interaction, what provisions are available for academic mentoring?

In consonance with the mechanism mentioned above (Section 5.1.1), the Student Union Advisor, Teacher in charge University Magazine (Literary), Dramatic Association, Superintendents, Assistant Superintendents Wardens of Hostels, Heads of the Departments, Teachers in charge of Field Trips, NSS Co-ordinator, Director Sports Council, Placement officer and host of other functionaries (all of them are teachers) are constantly interacting with students and mentoring their professional and academic growth in the university. If and when the need arises, personal issues, medical issues and career issues are also looked after by these functionaries. The Psychology Department runs a Psychological counseling cell.

5.1.3 Does the University have any personal enhancement and development schemes such as career counseling, soft skill development, career-path identification and orientation to well-being for its students? Give details of such schemes.

The placement cell operates from the PG Council office. Different soft skill programme have been conducted by various Departments. Soft skill programs for teachers and employees have also been conducted by the HRDC as well as Computer Science Department. We also plan to conduct department wise Soft Skill Development programme through the placement cell to improve the employability of the students. The University in its premises also has an Employment Exchange cell of Government of Odisha to help students in their employment search.

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

Yes, we have been publishing updated prospectus every year for last 50 years. Till 2013 printed copies were supplied to the students. Since 2013, this has become an online publication available free of cost to everyone.

5.1.5 Specify the type and number of university scholarships / free ship given to the students during the last four years. Was financial aid given to them on time?

As per the state government rule there is few waiver for SC/ST students. There is a general poor students' fund to assist economically needy students. Besides, students receive fellowships from various agencies such as UGC (JRF, SRF, Rajiv Gandhi, Moulana Azad), DST, CSIR, DST-INSPIRE, DBT, BRNS, ICSSR, ICHR etc. (Details available in SSR of individual Departments).

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

Bio-technology (Percentage)

Name of Examination	2009-10	2010-11	2011-12	2012-13	2013-14
CSIR NET/ DBT JRF/ ICMR JRF	57	80	33	42	40
GATE	71	100	100	-	-
JNU Ph.D.	14	20	16	14	
BCIL	100	100	100	100	100

Botany

NET-07 nos., GATE- 13 nos,

Computer Science

Year	NET	GATE	On Campus Recruitment	Off Campus Recruitment
2010-11	-	-	6	1
2011-12	-	-	4	-
2012-13	-	1	1	-
2013-14	-	-	4	-
2015	1	-	3	1

Geography
NET- 5

Geology

UGC-NET- 20, GATE- 05, Geologists' Exam. (U.P.S.C.) - 30

Library and Information Science

Year	UGC-NET
2011	-
2012	10
2013	1
2014	-
2015	1

Mathematics

Year	No. of students qualified in NET	No. of students qualified in GATE	INSPIRE
2010-2011	05	12	-
2011-2012	03	05	-
2012-2013	01	04	01
2013-2014	01	02	01
2014-2015	-	05	-

Physics

Year	NET	GATE	JEST	TIFR	BARC	IGCAR Kalpakkam
2010-11	4	11	6			
2011-12	4	10	8			
2012-13	2	11	3			
2013-14	2	10	6			1
2014-2015	3	9	7	1	3	3
2015	11					

Zoology

	2010-11	2011-12	2012-13	2013-14	2014-15	Total
NET	4	1	3	2	4	14
GATE	2	-	-	1	3	6
TIFR-RF	-	-	1	-	1	2
Agricultural Scientist Recruitment Board-NET	-	-	-	1	-	1
ICMR-NET	1	-	1	-	-	2
NBRC-RF	-	-	1	-	-	1
RGNF					1	1

MBA

NET	09
SET	07
Others (Entrepreneur)	08

Commerce

NET	32
JRF	06
GATE	-

Statistics

Examinations	No.
ISS	1
NET	3
Inspire fellowship	1
Rajiv Gandhi fellowship	1

AIHCA

UGC-JRF	09
UGC-NET	09
ICHR – JRF	07
RGNF – JRF	06

English

UGC NET and UGC JRF: 10

History

NET/SET/GATE: 3

LAW

Year	NET, SET, GATE	OJS	Others
2010-11	Nil	13	03
2011-12	Nil	12	04
2012-13	01	16	02
2013-14	01	06	04
2014-15	01	14	02

Odia

NET – 68 (2010-15)

JRF – 18 SRF – 10 RGNF – 08

Philosophy

YEAR	NET
2010-2011	2
2011-2012	3
2012-2013	1
2013-2014	2
2014-2015	2

Political science:

NET-08

Psychology

	2010-11	2011-12	2012-13	2013-14	2014-15
NET	-	-	2	2	4
Counsellors	5	7	8	10	15

Public Administration

UGC JRF	1
RJNF	1
UGC NET	21
Judicial Service	1
Research Associates	07
Entrepreneurs	09
Working i NGO	05

Sanskrit

Year	NET	JRF	SET
2010- 11	-	02	-
2012-13	01	-	-
2013-14	05	01	11
2014-15	05	-	-

Sociology

Year	NET	JRF	SRF	ICSSR
2010-11	02	02	-	-
2011-12	04	-	-	-

2012-13	08	-	01	-
2013-14	05	01	01	01
2014-2015	04	02	-	-
2015	04	01	01	02

5.1.6 Does the University have an International Student Cell to attract foreign students and cater to their needs?

Currently the University does not have an International Student Cell. However, specific needs of some students from different Countries have been taken care of on case by case basis. We extend all possible help to them.

5.1.7 What types of support services are available for Students

- **Physically challenged/differently-able students.**

Ramps have been provided for all major buildings. Library has a lift. Reservation (3%) in admission is available. All Govt. sponsored schemes for physically handicapped students are applicable to university students too. Special software for blind students is available in the special computer cell for physically challenged. There is a cell which operates from Psychology department to assist the differently abled students.

- **SC/ST, OBC and economically weaker sections**

- As per the state government rules, fee waiver for SC/ST students is in place. All Govt. welfare schemes including financial assistance is extended to university students. There is a general poor students fund to assist the needy economically weaker students. Many departmental alumni fund is used to help the economically weaker students in their learning pursuits. (Physics Alumni fund is one such example)

- **Health centre, health insurance etc.**

The University has a health centre with basic treatment facilities. Three doctors run the health centre. One doctor, who stays in the campus responds to requirements on Emergency.

In addition, from the year 2015, the university has entered into an MOU with United India Insurance Company Ltd. for Mediclaim (Cash less) for the student and accident insurance for the students.

- **Skill development (spoken English, computer literacy, etc.)**

The University departments organizes skill and soft skill development programmes for their students by inviting experts in the field, organizing workshops seminars and imparting practical knowledge as and when required. Besides, the Placement Cell of the University facilitated National Skills Development Corporation (NSDC) STAR training at Utkal University from 14.03.2014 to 13.04.2014.

- **Performance enhancement for slow learners**

Generally teachers provide help in mentoring sessions. Bridge classes are conducted by teachers in each Department.

- **Exposure of students to other institutions of higher learning/ corporate/ business houses, etc.**

Students of Computer Science, Management, Geology, Physics, Chemistry, Botany, Zoology, Anthropology etc. visit industrial houses, national level institutes of research in course of their project work. During every summer, a number of students from various departments apply and do advanced studies/project work at organizations like BARC, TIFR, IGCAR etc. AIHCA students are exposed to Archeological Survey of India. All the P.G students undertake projects and get some exposure. During the academic semester, students of Commerce, MFC, MBA, PMIR interact with representatives from various companies and enrich themselves.

5.1.8 Does the University provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

Yes. The number of successful candidates is as follows:

- Civil Services- 147
- NET/GATE- 550
- Employment-UPSC/OPSC/others – 779

Details are reflected in the departmental profile.

Every PG Department extends Assistance to the students for NET/GATE/Other employment opportunities.

5.1.9 Mention the policies of the University for enhancing student participation in sports and extracurricular activities through strategies / schemes such as additional academic support and academic flexibility in examinations is made available in terms of credit of attendance, altered scheduling of examinations (practical) etc. Special dietary requirements, sports uniform and materials. Any other (please specify).

- Due weightage for admission in different courses of the university
- Credit of attendance during his/her participation in various events.
- Financial support to have proper dietary intake during the tournaments.
- Placement support on the basis of national/ International participation in games and sports.
- New policies developed to attract more students individually for any event in absence of a team from that college.
- Forcing the feeder colleges to form and depute their teams or else imposition of fines.

Some of our students who are winners in different competitions is stated below.

Sl. No.	Name of the Student	Event	Year
1	Anuradha Biswal	Olympiad	2012
2	Srabani Nanda	International Athlet	2014
3	Sradhanjali Samantaray	Captain, Indian Football	2013
4	Kiran Kumari Digal	All India weightlifting (Bronze Medal)	2014
5	Utkal University Team	All India East Zone Women Kabadi Champion	2014
6	Utkal University Team	Kho Ko, Men, All india Inter University, East Zone (Runners Up)	2012
7	Utkal University Team	Kho Ko, Men, All india Inter University, East Zone (Runners Up)	2013
8	Utkal University Team	Kabadi Women Champion	2013
9	Utkal University Team	Kabadi Women Champion	2014
10	Utkal University Team	Weight Lifting Female (Bronze Medal)	2015
11	Utkal University Team	All India Inter University Cricket Tournament (4 th Position)	2015

5.1.10 Does the university have an institutional mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare them for interview and develop entrepreneurship?

Department of Commerce regularly organizes entrepreneurship programme (EDP) for the students of the University in collaboration with Government of Odisha while observing the Entrepreneurship week of the State during 5th March to 11th March every year. It has also organized off campus ED programmes in the tribal districts of Odisha in KBK districts.

Utkal University has a dedicated Placement Cell in operation to facilitate recruitment and career development for the students studying in different Post Graduate departments and self-financing programmes. The Placement Cell continuously strives to help students in pursuing their career goals by acquiring employment-seeking skills and ultimately attain desired employment.

The members of the Placement Cell comprises of the Chairman, P.G. Council, Placement Officer, Heads of Departments and Course-Coordinators of the sponsored courses. The Chairman, P.G. Council directly monitors and guides the functioning of the Placement Cell.

The Placement Cell, constituted in 2005 by the decision of the Syndicate, establishes and maintains linkage with industrial establishments, corporate houses, Banks, NGOs, PSUs, etc. for meaningful employment for post-graduate students from all disciplines.

Major objectives of the placement cell:

- To assist students to develop their academic and career interests, and their short and long-term goals through individual counseling and group discussion.
- To help students to implement successful job search strategies.
- To streamline career planning in consultation with faculty members, department heads and administration.
- To empower students with life long career decision making skills.
- To provide resources and activities to facilitate the career planning process.
- To act as an interface among students, alumni, and the employment community.
- To create awareness among the students regarding career trends.
- To assist different companies in recruiting candidates as per requirement.
- To bridge the gap between Industry and Academia. To establish and maintain winning relationship with industry and corporate for recruitment and career development.

Broad activities of the Placement Cell include:

- Preparation of database of students studying in Post graduate programs in the university.
- Liaison with business leaders and senior managers in reputed companies.
- Timely follow up and finalization of schedules for campus recruitment drives.
- Organizing campus recruitment drive for eligible candidates.
- Conducting Pre-Placement workshops & industry interaction programs.
- Career counseling
- Maintain Alumni network

Apart from organizing campus recruitment drives for the Post Graduate students studying at Utkal University, the Placement Cell undertakes various career development activities including Career Orientation and Skill Development programs, Employability Assessment and Training, career counseling, etc.

The Placement Cell conducted employability assessment through national level skills assessment organizations such as NASSCOM, CoCubes, Aspiring Minds and Mettle and arranged career counseling sessions for the students studying at Utkal University during academic year 2010-11 to 2014-15.

The Placement Cell facilitated National Skill Development Corporation (NSDC) STAR training at Utkal University from 14.03.2014 to 13.04.2014.

Innovative Practices

1. The Placement Cell has launched a website of its own (www.utkalplacement.org) for Announcements, Student Registration, Information Dissemination and Career Resources Depository. The website allows students to put their Text and Video Resume on Internet. It helps to attract employers to consider the eligible post graduates for employment. The

website regularly updates information regarding available opportunities across the country. Besides, the website provides useful career tips and practice material for the benefit of the students.

2. The Placement Cell in association with Internal Quality Assurance Cell (IQAC) and University Employment Information and Career Guidance Bureau (UEIGB) conducts Career orientation programs for all students studying at Utkal University.
3. The Placement Cell maintains the alumni network and strives to involve notable alumni in different student development activities.
4. The Placement Cell has taken initiatives for pool and joint campus recruitments at central infrastructure facilities provided in other colleges and universities in the state. The Cell has jointly organized recruitment processes with help from other universities such as OUAT, KIIT University, SOA University at Bhubaneswar, Ravenshaw University at Cuttack, and colleges such as DRIEMS, Tangi, Trident group of Institutions, Bhubaneswar, CIME, Bhubaneswar, CVRCE, Bhubaneswar, Koustuv Group of Institutions, Bhubaneswar, etc.

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

Eight hundred sixteen students from different departments were selected during Campus interview. Leading organizations of international and national repute have partnered with Utkal University for recruitment through campus placement. The details of campus placement during past five years are as follows:

2014-15

SL. NO	NAME OF THE COMPANY	NO. OF STUDENTS SELECTED
1	ROYAL BANK OF SCOTLAND	42
2	SYNTEL	05
3	TATA CONSULTANCY SERVICES	06
4	WIPRO TECHNOLOGY	16
5	INFOSYS	11
6	DISCOVERTURE SOLUTIONS	01
7	AK CAPITAL SERVICES	01
8	WIPRO TECHNOLOGY	07

9	TECH MAHINDRA	01
10	SOUTH INDIAN BANK	01
11	SPARC INDIA	02
12	WIPRO TECHNOLOGY	15
13	AXIS BANK	07
14	CAPITAL IQ	15
15	ROYAL BANK OF SCOTLAND	10
16	EDELWEISS BROKING LTD	05
17	WIPRO TECHNOLOGY (IES)	02
RECRUITMENT ACTIVITY AT DEPARTMENT LEVEL		
1	PHI	2
2	UPL-Advanta	1
3	Reliance Retail	2
4	VNR Seeds	2
5	DCB Bank	9
6	Monsanto	1
7	Dupont	4
8	Origo	5
9	Peoples Foroum	5
10	Sinochem	2
11	Royal Bank of Scotland	3
12	Yes Bank	1

13	ICICI Bank	7
14	Mahindra Subhlabh	1
15	Dhanuka	1
16	NBHC	2
17	Sriram Agro	2
18	Adama	1
19	Insecticide India	1
20	Gharda Chemicals	1

2013-14

SL. NO	NAME OF THE COMPANY	NO. OF STUDENTS SELECTED
1	IPPLY SOLUTIONS	03
2	CAPITAL IQ	05
3	HINDALCO	01
4	ROYAL BANK SCOTLAND	30
5	LUMINOUS INFOWAYS LTD.	03
6	WIPRO	17
7	TCS	02
8	DISCOVERTURE SOLUTIONS	01
9	KEEVES TECHNOLOGY	01
10	AXIS BANK	05
11	TCG LIFESCIENCES	05

12	PRADAN	10
13	COGNIZANT TECHNOLOGY	01
14	WIPRO	02
15	ICICI SECURITIES	03
16	TECH MAHINDRA	04
17	TCS BPS	02
18	XL DYNAMICS	02
RECRUITMENT ACTIVITY AT DEPARTMENTS LEVEL		
1	Mahyco	2
2	PHI	3
3	UPL-Advanta	3
4	Reliance Retail	3
5	VNR Seeds	3
6	Bandhan	7
7	DCB Bank	3
8	Monsanto	2
9	Dupont	3
10	Origo	5
11	Swarovski	3
12	GCMMF	1
13	Peoples Forum	3
14	Pradan	2

15	HDFC-HEALTH	1
16	Sinochem	1
17	Royal Bank of Scotland	1

2012-13

SL. NO	NAME OF THE COMPANY	NO. OF STUDENTS SELECTED
1	XL DYNAMICS	03
2	CAPITAL IQ	02
3	CHEGG INC	02
4	MAHINDRA SATYAM	09
5	TCS	12
6	WIPRO	14
7	XL DYNAMICS	05
8	TALENT BEAT	01
9	CAPGEMINI	01
10	PRADAN	10
11	TCG LIFESCIENCES	03
12	FEDERAL BANK	02

RECRUITMENT ACTIVITY AT DEPARTMENTS LEVEL

1	DCB	3
2	Axis Bank	2
3	Dupont	3
4	PHI	3

5	Mahyco	2
6	Dhanuka	2
7	Reliance Retail	2
8	Pradan	2
9	Peoples Foroum	3
10	Krishi Rasayan	6
11	VNR Seeds	4
12	PAN Seeds	5
13	US Agri	4
14	EID parry	2
15	Swarovski	2

2011-12

SL. NO	NAME OF THE COMPANY	NO. OF STUDENTS SELECTED
1	UNITED BANK OF INDIA	05
2	FEDERAL BANK	10
3	FORCE MOTORS	16
4	ANDOLA SOFT	03
5	TCS	06
6	MADISON STREET CAPITAL	01
7	EXILANT	01
8	CAPITAL I Q	01
9	WIPRO TECHNOLOGIES	17

10	SYNTEL	03
11	I GATE	05
12	INFOSYS	11
13	FEDOB	03
14	TCG LIFESCIENCE	06
15	CP ACQUACULTURE	06
16	DISCOVENTURE	04
17	ADITYA BIRLA	04
18	BANK OF BARODA	03
19	PRADAN	10
20	HARSHA GROUP	04

RECRUITMENT ACTIVITY AT DEPARTMENTS LEVEL

1	Axis Bank	4
2	Icici Bank	3
3	DCB bank	5
4	Pradan	2
5	Dhanuka	7
6	PHI	3
7	Dupont	2
8	Bank Of Baroda	6
9	VNR Seeds	6
10	HPM	4

11	Monsanto	2
12	Godrej Agrovat	4
13	Mapple Agrotech	5

2010-11

SL. NO	NAME OF THE COMPANY	NO. OF STUDENTS SELECTED
1	VEDANTA ALUMINIUM LTD.	02
2	ACCENTURE	02
3	HINDUSTAN ZINC	01
4	TCS	02
5	PRADAN	04
6	MAHINDRA SATYAM	05
7	SRI RAM VALUES	02
8	XL DYNAMICS PVT LTD	03
9	NETHAWK	03
10	TCS	10
11	MAHINDRA SATYAM	04
12	PRADAN	08
13	HP	04
14	INTELLIGENCE BUREAU	25
15	IGATE	08
16	ADITYA BIRLA	01
17	MPHASIS LTD	02

18	AGLOW TELECOM	02
19	SEW INFRASTRUCTURE	01
20	APOLLO HOSPITALS	02
RECRUITMENT ACTIVITY AT DEPARTMENTS LEVEL		
1	Vijaya bank	14
2	Bank of Baroda	6
3	Oriental Bank of Commerce	4
4	Corramandal Fertiliser	4
5	Fino	3
6	Fedral Bank	2
7	DHANUKA	4
8	NFCL	6
9	Mapple Agrotech	4
10	DSCL	4
11	TATA RALLIS	6
12	DHANUKA	8
13	PRADAN	2
14	FEDRAL	2
15	SRIRAM BIOSEEDS	7
16	ADITYA BIRLA RETAIL	3
17	MAHINDA-SUBHLAV	2
18	UNION BANK	3

19	ICICI BANK	3
20	PEOPLES FOROUM	4
21	GMR	3
22	L&T Finance	3
23	HPM	4
24	MIMO	2

The summary of campus recruitment activities at Utkal University is as follows:

Year	No. of Selections	No. of Recruitment drives
2014-15	207	37
2013-14	144	34
2012-13	110	27
2011-12	173	33
2010-11	194	20

5.1.12 Does the University have a registered Alumni Association? If yes, what are its activities and contributions to the development of the University?

The University has an Alumni association. Besides, most of the Departments have their own alumni association. The activities of some of the departments' alumni associations are given below.

Physics

Activities and Contributions to the Department:

Name of the Alumni Association: Vani Vihar Physics Alumni Association

Activities:

- Vani Vihar Physics Alumni Association is in process of registration. The association has about 1500 members till date. The General Body of Alumni Association meets at least once in a year. A talk on "Nobel prize in Physics" for that particular year is delivered by one of the Alumni members.
- A Vani Vihar Physics Alumni fund has been created with the objective of providing a helping hand to the needy students during their financial difficulties. Students can borrow from this fund for attending interviews for higher studies, for their hostel admission,

department readmission, form fill up etc. It is expected that whoever gets benefit from this fund, returns the borrowed amount whenever he/she starts earning and also contributes to it whenever possible, so that more and more students can benefit from it.

- c) Some of the M.Sc. 1st year students have been provided financial support for doing summer project at other Institutions from the above fund.
- d) Scholarship is given to one of the M.Sc. part-II Physics student on the basis of his/her financial condition and performance in first two semester examinations from the interest money of a fixed deposit of Rs. 50,000 contributed by one of our alumni.
- e) Alumni members are associated with the Kasturba Gandhi National Memorial Trust, Satyabhamapur, Cuttack and help the inmates of the “Kanyashram” there. A toy centre has been created there and story books have been donated by the Alumni members.
- f) Alumni Association has planned to conduct quiz tests, essay, and debate competitions among school children in local medium schools in the coming months.

Botany

1. Name of the Alumni Association: Old Student’ Association, Post Graduate Department of Botany, Utkal University, Bhubaneswar
2. Regd. No. 7140-108 of 1996-1997.
3. **Contributions:**
The Association facilitates in enriching academics, researches, and carrier development of M.Sc., M. Phil and Ph. D. students.
4. **Activities:**
 - (a) Organizes a special lecture ‘**Prof. S. N. Pattnaik**’ memorial Lecture each year on 5th September inviting eminent researcher of the country.
 - (b) The Department brings together past and present students on the alumni meet as an annual event on a statutory date i.e. the 3rd February every year and a news letter named “**Sanjog**” is brought out on the occasion.
 - (c) The Department has been functioning as the central secretariat of Orissa Botanical Society for last 40 years.
 - (d) The alumni conducts state level essay competition in name of “**Dr. Goura Chandra Bairiganjan Memorial Essay Competition**” among undergraduate students of Botany.
 - (e) The alumni conducts state level essay competition in name of “**Dr. Guru Prasad Pattnaik Essay Competition**” among postgraduate students of Botany.
 - (f) The alumni conducts state level elocution competition in name of “**Prof. Bidyadhar Memorial elocution Competition**” among postgraduate students of Botany.
 - (g) The alumni conducts state level quiz competition in name of “**Mr. Kedar Nath Chhotaray Memorial quiz Competition**” among postgraduate students of Botany.
 - (h) Awards students of the department for their all round excellence in the name of “**Narendra-Prativa Samman**”.

- (i) Awards meritorious students of the department for their academic excellence in the name of “**Smt. Sarojini G. Panigrahi memorial Award**”.
- (j) Alumni has been felicitating different botanists from the state for their significant contribution in the field of research and teaching.

Anthropology

- 1. Name of the Alumni Association: Utkal Anthropology Alumni Association
- 2. Its activities include promotion and spread of the cause of anthropology in the interest of the people of Odisha, promotion and popularization of relevance of anthropology, organization of meetings and seminars, helping the needy students, helping and promotion of all round development of UG/PG departments of Anthropology in the state of Odisha.

History

- 1. The suggestions of the alumni are considered by the faculty members and adequately implemented for the development of the Department.
- 2. The alumni regularly visit the Department and take part in the various forum like seminars, symposia, workshops and lecture programme from time to time.
- 3. The ex-students who have joined various government and university teaching services elsewhere also forward their suggestions and cooperation for the development of the Department.

Geology

The department has a registered Alumni Association bearing Reg. No. 1850-12/2013-14. For the past 20 years, the association is organizing National Seminar every year in collaboration with the Department. Besides, the association is actively involved in the infrastructural development of the Dept. It has furnished our auditorium named "Alumni Hall".

Biotechnology

The department has a registered Alumni Association bearing Reg. No. BBS No. 1741-14 of 2011-12. It conducts regular annual meeting with the active participation of members and students of the Department. Besides, on behalf of the association inspiring lectures are organized where distinguished academicians delivered scientific talks.

Zoology

- 1. Name of Alumni Association: Utkal University Zoology Alumni Association (UUZAA)
- 2. Regd. No. 1357-108 of 2006-07
- 3. **Contributions:** The association facilitates in enriching academics, research and career development of MSc, MPhil and PhD students.
- 4. **Activities:**
 - a. Celebrated the Golden Jubilee Year of the Department on 6th February, 2011.

- b. Organizes special lectures (Radhamoni- Kameswar Memorial Lecture) each year by inviting an eminent researcher of the Country.
- c. Has been felicitating alumni starting from batch 1962 onwards for their contributions.
- d. Awards meritorious students of the department for their academic excellence, i.e., entrance rank holders, NET/GATE and other equivalent national level examinations.

Commerce

The Department has a strong alumni base in both Commerce and MFC (Masters in Finance Control). They are the strong guiding source in assisting in the placement of the Juniors, arranging experts and professionals who discriminate their experience and expertise among the students. The alumni meet has been held at least once in a year. Besides, they organize the same at Kolkata, Mumbai and Delhi. November 24th is observed as Alumni day for Commerce fraternity. They publish “Pride of Commerce” and “Finpride” accommodating the name, organization working and their contact number every year.

English

The Department has been enriched by contributions, moral, intellectual and material, made by the ex-students of the Department from time to time. The academic life of the Department has always been supported by the old students. Not only have they attended the academic activities organized in large numbers; they have also provided resources for organizing these activities. These are too numerous to mention. Only some recent activities can be mentioned here.

1. The Department conducted a Scholars’ Seminar-cum-Workshop on Research Methodology on 12-13 November 2015. It was sponsored by a section of the alumni connected with doctoral research.
2. A new sound system, donated by a student of the class of 2008, was unveiled on this occasion and was also put to use.
3. A skill-based workshop on Enhancing Reading, Writing and Editing Skills, partly funded by the same section of the alumni which sponsored the Scholars’ seminar-um-workshop, is scheduled to be held on 21-22 November 2015.
4. There has been a steady supply of books and e-books to the Reading Room of the Department through donations from the old students.
5. Efforts are on to resume the Departmental journal, *Journal of Literary Studies*, which ceased publication in 1999 after being in existence for more than twenty years, through the support of the alumni association after it is formally launched on 25 December 2015.

Public Administration

Alumni Association of the Department was formed in 2012 with the initiatives of the students of 2010-12 batch. Dr. Pranab Choudhury is the President of the Association. The Alumni meet was

held in 2012 and in that meeting the Association was formed. However, since then no meet has been organized. The Department is planning to conduct the Alumni meet in the month of January 2016.

However, the Alumni help the students in placement. They have gifted a Refrigerator to the Department.

Personnel Management & Industrial Relations

Alumni meet annually every year in 2nd Sunday of May in the afternoon and as and when required.

Regular interface takes place that helps in course curriculum redesigning, placement, corporate talks, orientation of students, career counseling, addressing seminars and developmental programmes (MDP & FDP).

Alumuni meetings were conducted thrice in 2015 on 23.1.2015, 10.5.2015, 14.3.1015.

They have conducted various National and International seminars like

1	11 th May 2012	Employee Engagement and HR initiatives
2	12 th and 13 th May 2012	Contemporary Issues in Human Resource Management
3	11 th and 12 th May 2013	Corporate Leadership: Issues & Challenges
4	10 th and 11 th May 2014	Human Relations in Industry – Issues & Challenges

5.1.13 Does the University have a student grievance redress cell? Give details of the nature of grievances reported. How were they redressed?

The student grievance cell operates in the PG council. Apart from this, the students can approach through the Director Students' Welfare, Advisor Students' Union, the Registrar or the Vice- Chancellor to redress their Grievance. Normally and unless there is an emergency requirement, the Vice- Chancellor and all other officers have specific days and time to address grievance of students. A grievance redressal cell also operates at the level of Chairman, PG Council and Warden, PG Hostels.

5.1.14 Does the University promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

There is a Department of Women's Studies that primarily leads Gender related studies which is operating since 1999. It conducts gender related programmes, gender sensitization and awareness campaigns. Apart from the activities in University campus, the Department of Womens' Studies conducts gender sensitization programmes in various affiliated colleges. In Department of Sociology, programs on gender related issues are also conducted. Anti sexual harassment cell also operates in the university.

5.1.15 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 in these cases?

Considering that Ragging is a crime and severely punishable, Utkal University has an anti-ragging committee in place. The anti ragging committee conducts awareness campaigns in order to prevent ragging from taking place. As far as the PG Courses are concerned no ragging incident has happened. University maintains strict vigil and adopts zero tolerance Principle.

5.1.16 How does the University elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The University Teachers, officers and member of Syndicate etc. are constantly in touch with all the stakeholders including students, teachers, employees, parents, industry leaders, representative of press and media, politicians, legislators and all sections of the civil society at large. In the age of multimedia TV and Internet based social media constant debate and discussion about all aspects of University life is on. The University Administration seeks every one's co-operation. The students are part of numerous Committees including senate, IQAC, Committee relating to literary, cultural, sports, extension and such other activities. Besides student leaders, past and present, are in constant touch with who's who of the University.

5.1.17 How does the University ensure the participation of women students in intra and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

- Hardly any discrimination has been made for women players to participate any events.
- We conduct all women events in our university like- Kabadi, Kho Kho, Basket Ball, Foot Ball, Cricket, and others.
- Women teams have been participating in Inter University and All India Tournaments organized by AIU and even became Champions in many times .
- We organize special coaching camps in our campus for women teams by inviting Coaches from SAI.
- Women players are offered with Jersey, Track Suits and other sports equipments required to participate in the national teams.

5.2 Student Progression

5.2.1 What is the student strength of the University for the current academic year? Analyses the Programme-wise data and provide the trends for the last four years.

UG	48,500
Regular P.G	3,455
SFS P.G	267
Other Affiliated PG	600
P.G. Diploma	09
Law	1200

Student Progression: 2011-2015

UG to PG	10.83%
P.G to M.Phil	29.46%
M.Phil to Ph.D	38.73%
Employment	50%

Details are reflected in the departmental profile.

5.2.2 What is the programme-wise completion rate during the time span stipulated by the University?

All the PG programme are completed within 2 years. All the BA/B.Com/B.Sc. programme are completed in three years. We always publish UG results by end of April every year.

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

- Civil Services- 147
- NET/GATE- 550
- Employment-UPSC/OPSC/others – 779

Details are reflected in the departmental profile.

5.2.4 Provide details category-wise regarding the number of Ph.D/ D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years.

2009-2010

Faculty	No. of theses submitted	Awarded	Re-submitted	Rejected
Arts	109	103	06	-
Science & Technology	41	39	02	-
Commerce and Management	22	22	-	-
Education	19	17	02	-
Law	04	04	-	-
Medical Sciences	Nil	-		-

2010-2011

Faculty	No. of thesis submitted	Awarded	Re-submitted	Rejected
Arts	99	96	03	-
Science & Technology	59	59	0	-
Commerce and Management	23	23	0	-
Education	18	17	01	-
Law	03	03	0	-
Medical Sciences	01	01	0	-

2011-2012

Faculty	No. of thesis submitted	Awarded	Re-submitted	Rejected
Arts	88	80	04	
Science & Technology	84	82	02	
Commerce and Management	31	31	0	
Education	21	21	0	
Law	05	05	-	-
Medical Sciences	1	1	-	-

2012-2013

Faculty	No. of thesis submitted	Awarded	Re-submitted	Rejected
Arts	73	69	03	01
Science & Technology	99	98	01	-
Commerce and Management	26	26	-	-
Education	18	18	-	-
Law	05	05	-	-
Medical Sciences	03	03	-	-

2013-2014

Faculty	No. of thesis submitted	Awarded	Re-submitted	Rejected
Arts	122	116	06	-
Science & Technology	86	84	02	-
Commerce and Management	35	35	0	-
Education	24	20	04	-
Law	06	06	0	-
Medical Sciences	01	01	0	-

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

SPORTS CALENDER FOR THE YEAR 2015 –16

Sl. No	Events	Tentative Dates of Inter College Tournaments	Venue of Inter College Tournaments	Organising Officer & Contact No.
AUGUST				
1	Table Tennis(M&W)	27-08-15	ASBM, Bhubaneswer.	Mr.S.K. Bisoi - 9853455267
SEPTEMBER				
2	Foot Ball(Men)	06-09-15	Kendrapada College,(z)	Mr.J.Das, - 8763495522
			U.N College, Adaspur (z)	Mr.A.Pradhan - 917817013
			Nachuni College,(Z/F)	Mr.P.K. Samantasinghar 9777507057

3	Badminton(M/W)	10-09-15	DRIEMS,Cuttack.	Mr.N.K.Mishra,Sports Director 0671-2595061,9437168755
4	Chess (MW)	12-09-15	M.S. Law College,CTC	Mr.A.P.Ray,9437170234
5	Basket Ball(Women)	15-09-15	R.D.Womens,BBSR	Mrs.J. Mohapatra,-9778595195
6	Volley ball (Men)	22-09-15	Nayagarh College,(z)	Mr.S.M.Pradhan,9583085009
			Paradeep College,(z)	Mr.B.Behera -9437742588
			Jatani College,(Z/F)	Dr.B.D.Das -9437184699
7	Boxing(Men)	26-09-15	N.SM.City College,CTC	Mr.S.Bastia -9861885457
OCTOBER				
8	Aquatics ((Men))	01-10-15	G.C.P.E,BBSR	Dr,M.M.Rout,9437130745
9	Kabaddi(Men)	01-10-15	Banki College(z),	Mr.R.N.Pradhan-9437220110
			Sports Council, U.U,(Z/F)	Mr.P.K.Nayak,9439143245
10	Kho.Kho(Women)	10-10-15	R.S.D.Mahila Mahavidyalaya, Banki	Mr.N. Sahoo, -9861047244
11	Net Ball(Men)	31-10-15	Mathakargola College,	Mr.N. Sahoo -9937774891
NOVEMBER				
12	Cricket(Men)	02-11-15	S.V.M.College, Jagatsinghpur,(z)	Mr.P.K. Behera -9437135916

			Nimapara College,(z)	Mr.C.R. Pradhan - 993719813
			G.ScCollege,Athagar,(z)	Mr.P.R. Rout - 9090849700
			U.N.College, Adaspur,(z)	Mr.A. Pradhan - 917817013
			R.S.Mahavidyalay, Odagaon (z)	Mr.Saroj Mishra - 9437491229
			S.N.College, Rajkanika,(z)	Mr.A.K.Nayak,9437364812
			S.C.B.Medical College, Cuttack(F/Z)	Mr.T.P.Das – 9583648457
13	Net Ball(Women)	09-11-15	Mahanadi Vihar Womens College.	Miss. M.Swain- 9437536128
14	Kabaddi (Women)	12-11-15	K.N.Womens College,BBSR.,(z)	Mrs.AneezSultan9776694978
			Sports Council, U.U,(Z/F)	Mr.P.K.Nayak,9439143245
15	Basket Ball (Men)	13-11-15	Sports Council, U.U	Mr.P.K.Nayak,9439143245
16	Ball Badminton(M)	21-11-15	Sports Council, U.U	Mr.P.K.Nayak,9439143245
17	Athletics (MW)	27-11-15	G.C.P.E,BBSR	Dr,M.M.Rout,9437130745
DECEMBER				
18	Hockey(Men)	18-12-15	R.N.Jew College, Cuttack	Mr.D.K.Mohanty,9437

				107466
19	Wrestling (MW)	19-12-15	Sports Council, U.U	Mr.P.K.Nayak,9439143245
20	Kho-Kho (Men)	26-12-15	Begunia College,(z)	Mr. S. Majhi , 9938033292
			K.B.College, Baranga (Z/F)	Mr. P.K. Mohanty 9437177304
JANUARY -2016				
21	Hand ball(Men)	02-01-16	S.C.S. College, Puri	Mr.R.Mishra 9861452053
22	Hand Ball(Women)	06-01-16	Balikuda College, Balikuda	Mr.P.Pani, 9938443144
23	Volley Ball (Women)	09-01-16	Sports Council, U.U	Mr.P.K.Nayak,9439143245
24	Soft Ball (Men)	10-01-16	Sports Council, U.U	Mr.P.K.Nayak,9439143245
25	Cricket(Women)	16-01-16	U.N. College, Adaspur	Mr.A.Pradhan - 917817013
26	Foot Ball(Women)	21-01-16	Sports Council, U.U	Mr.P.K.Nayak,9439143245
FEBRUARY				
27	Weight Lifting & Best Physique (MW)	15-02-16	Sports Council, U.U	Mr.P.K.Nayak,9439143245

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National /International, etc. during the last four years.

Students have received several awards in co-curricular, extracurricular and cultural activities. (For details please see SSR of individual departments)

5.3.3 Does the University conduct special drives / campaigns for its faculty and students to promote heritage consciousness?

Students join in the World Heritage Week (19th – 25th November), Museum Day (18th May), World Heritage Day (18th April), Heritage Walk and other programmes to create awareness among them and the people at large. Teachers from the refresher courses are also taken out on field visits basically to create heritage consciousness and understanding of our past culture.

The Anthropology department has organized two workshops in collaboration with Indira Gandhi Rastrya Manav Sangrahalay (IGRMS), Bhopal under ministry of culture Govt. of India on Conservation of ethnographic specimens to promote heritage awareness among students and teachers. Departmental Museums like Anthropology, Zoology, Geology etc. encourage school children to visit these museums to promote awareness with regard to Natural and Cultural heritage.

The introduction of CBCS has also brought in students from allied Departments to understand our heritage and has given an opportunity to them to retrospect our heritage and preserve them for posterity. Our University celebrates World Environment Day to create awareness about our Natural Heritage.

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

An annual students' magazine titled Vani-Vikas is the torch bearer of Utkal University's literary tradition. Several departments publish their own wall magazines. Numbers of students maintain their own blog. Utkal University has produced a galaxy of writers. A weekly literary meet happens in a temple for last 40 years in the campus.

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

Yes, there is a students' Union comprising all regular courses. Office bearers are elected through closed ballot system. They conduct various sports, literary and extracurricular etc. activities for the students. Each and every student pay a fixed amount of fee at the time of admission for functioning of the Union.

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

The students are represented in IQAC, Senate and Academic Council. The University has the tradition of inviting Student Union President and Secretary to the meeting of Organization Committees for various functions such as for Foundation Day, Convocation, Major Conference and Seminars, and other important functions. Besides students are represented in all administrative committee of hostel and mess management. Besides the student Union, each dept. has a seminar Secretary and Asst Secretary. Their main job is to organize weekly seminars in the Departments and manage the seminar library and organize cultural and literary activities such as debate, essay and song competition etc.

CRITERIA VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and the mission of the University.

Motto: SATYAM PARAM DHEEMAHI.

Founded on 27 November 1943 at Ravenshaw College (now University), Cuttack, the Utkal University is the mother University of Odisha. Pandit Nilakantha Dash, Maharaja Krushna Chandra Gajapati Dev and Pandit Godavarish Mishra amongst other doyens of modern Odisha, played a pivotal role in the establishment of the University. Dr. Rajendra Prasad, the first President of India, laid down the foundation of the present 397.806 acres sprawling campus on 1 January 1958. The University thereafter was singularly honoured when a great educationist Dr. Sarvapalli Radhakrishnan, the second President of India, inaugurated the present campus at Vani Vihar on 2 January 1963. It was originally an affiliating and examining body only.

A number of Post-Graduate Departments and other centers were established in the University Campus. There are more than three hundred general affiliated colleges under the University. The University has 15 Autonomous Colleges under its jurisdiction. It has 27 constituent Post-Graduate Departments, 2 Constituent Law Colleges, a Directorate of Distance and Continuing Education (DDCE) and a number of centers like Population Studies, School of Women's Studies, Ambedkar Study Center, Social Exclusion and Inclusive Policy Study Centre, UGC-HRDC, a Pre-School and a High School. The University offers a number of self-financing courses. The University also offers innovative teaching programs in Yoga, Tourism and Journalism under UGC assistance.

Utkal University is recognized by the UGC. It is a member of the Indian Association of Universities and Commonwealth Association of Universities.

Vision:

The vision of the university is to be a centre of excellence in higher education with focus on innovative teaching, learning, research, consultancy, and extension activities in building a creative, enlightened and productive civil society and to scale new heights with every generation of students and teachers.

The civil society mentioned above would be endowed with the following characteristics:

- a civil society- secular, scientific and democratic in attitude;

- inclusive and sustainable development of science, technology, and innovation sensitive to renewal of our physical, social, and economic environment;
- a prosperous Odisha with judicious development of agriculture, forests, mines, and growth of service sector;
- nurturing of students to mature human beings.

MISSION:

- To provide the students with knowledge, skill, values and sensitivity necessary for a successful citizen.
- To create and disseminate knowledge through interdisciplinary research and creative inquiry in developing a meaningful and sustainable society.
- To equip the students with problem solving, leadership and teamwork skills and inculcating a sense of commitment to quality, ethical behaviour and respect for others.
- To provide a platform for free flow of ideas where discovery, creativity and professional development finds a scope for fulfilment in making the world a better place to live in.
- To ensure academic excellence in this dynamic knowledge economy by exposing the students to new ideas, new ways of understanding, new ways of learning in their journey of intellectual transformation.
- To be the instruments and catalysts for judicious and sustainable development of Odisha through creation of knowledge & skill.

Objectives:

The Act of the University stipulates the following objectives:

- making provision for disseminating information in such branches of learning as it deems fit;
- promoting original research;
- examining students and conferring degree;
- admitting educational institutions to its privileges;
- inspecting the colleges and supervising all matters of education and discipline therein; and
- controlling the residence and discipline of the students of the University and promoting their physical, mental and moral welfare.

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

Yes, the logo of the university designed way back in 1943 reflects the aspirations of the founders. The logo of the university has a book and a lamp at the center signifying pursuit of knowledge and candling the light of knowledge. Be a lamp to yourself and others, a single lamp can lit thousand other lamps, are part of our traditional wisdom. The stalk of grain signifies agriculture – the first sign of culture. Agriculture marks the evolution from food gathering to food production and birth of civilization. The mountain symbolizes the forest, natural flora and fauna, minerals and industry of Odisha. The ramparts of the fort signifies odisha's rich maritime heritage. *Satyam Param Dheemahi*, the aphorism adopted by our University means 'Meditate on the Highest Truth'.

The above outline of our vision, mission and objectives also speaks of our present vision for the future. The Utkal University was established fulfilling the aspirations of the new state of Odisha created in 1936 by uniting Odia speaking tracts from Bengal, Central province and Madras Presidency. Odisha is a poor state with rich economic resources. Odisha houses 62 tribes and has one of the highest percentages of tribal population in India. Agriculture, forest and mines are key to Odisha. Presently service sector has assumed great importance. The Utkal University is striving hard in making its students employable and equipping them for working towards a better tomorrow. As the Mother University and 17th University of undivided India, we have a rich tradition, achieved great laurels and need miles to go forward.

6.1.3 How is the leadership involved in ensuring the organization's management system development, implementation and continuous improvement?

The Senate, Syndicate and the Academic Council are the highest bodies responsible for the formulation and implementation of policies. The other important bodies include College Development Council (CDC) and Post Graduate Council.

- Vice-Chancellor is the Chief Executive Officer of the University and functions in accordance with the provisions of Orissa Universities Act, 1989 with subsequent modifications.
- Vice-Chancellor is the Chairman of the Senate, Syndicate, Academic Council which are the highest decision making body in the University.
- Vice-Chancellor is assisted by designated officers like Registrar, Deans, Directors, Controller of Examinations, Comptroller of Finance, Principals, Heads of the Departments and Chair Persons of the Departments, besides several other Administrative Officers.

In interacting with its stakeholders?

The Vice-Chancellor holds meetings periodically

- with Administrative Officers to review the progress in respect of University administration and steps taken/to be taken for improvement;
- with the Heads of Departments and Deans of Faculties periodically to review the progress of academic activities and also to identify bottlenecks, if any, in administering various programmes;
- with students and other stakeholders like employee and teachers associations more frequently to remove the academic and administrative hurdles; and
- with the Residence Council regarding issues connected with hostels.
- The P.G. Council and the Departmental Teacher's Council constantly interact with the teachers. The PG council works through a number of committees that facilitates and monitors all aspects of student activities.
- The warden and the Hostel Superintendents work through a Residence Council towards alleviating students problems.
- The Director, CDC interacts with affiliated colleges through local enquiry committees, visits and Principal's conferences.
- Participatory management is built in to the University administrative system. It is democratic and participative and not bureaucratic. There is always a committee wherein interaction takes place.

In reinforcing a culture of excellence?

The Utkal University was established for nurturing and cultivating excellence. For more than seven decades, the long standing heritage and tradition of the University helps us to maintain our standard and culture. The respective Heads of Departments, the faculty and the Vice Chancellor continuously strive for excellence in their collective endeavor for the University. Vice-Chancellors are appointed every three

years who bring in fresh ideas, leadership, thinking and innovation. This enriches the present and carries the past forward with change.

In identifying organizational needs and striving to fulfill them?

Periodic Academic Audit carried by the University is a major tool to identify organizational needs. Besides, the Syndicate, Academic Council and CDC also constantly try to identify our need and scope for improvement. The Internal Quality Assurance Cell (IQAC) has also emerged as a new institution active in identifying our needs. The entire University administration is constantly striving to achieve excellence. There are other institutional bodies such as URC, RAC, Finance Committee, Investment Committee, Equivalence Committee and Examination Committee et cetera which work for improvement.

6.1.4 Were any of the top leadership positions of the University vacant for more than a year? If so, state the reasons.

The only top leadership position vacant is the Registrar. It is the responsibility of the Government to depute a Senior Teacher from one of the Government Colleges or a State Administrative office (OAS) as the Registrar. Presently, the Controller of Examinations, who is on deputation from the state Government and is a Professor Grade Principal, is holding additional charge of Registrar. This post is likely to be filled up any moment. All other top positions like Comptroller of Finance, Controller of Examinations, Director CDC, UGC-HRDC, DDCE, DO and DSW stands filled up.

6.1.5 Does the University ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

University has ensured filling up of membership. Following Table reflects the regularity of meetings of various bodies.

Important Bodies of the university	2011	2012	2013	2014	2015
Syndicate	8	11	8	7	7
Academic Council	1	1	1	1	1
Senate:- The Government (i.e. through Chancellor) nominates members of Senate and a number of position have remained vacant.	-	-	-	-	-
Examination Committee	6	7	5	7	3
Research Advisory Committee	3	4	3	3	5
Equivalence Committee	1	1	2	1	1

Affiliation Committee	6	5	6	5	5
University Research Committee	3	2	3	2	2
IQAC	2	2	2	2	3
Finance Committee	1	1	1	1	1
Investment Committee	1	1	1	1	1
Post Graduate Council	12	11	12	11	10
College Development Council	2	2	2	2	2
BOS subject-wise	2	2	2	2	3
SRC subject-wise	12	12	12	12	12

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

The Act and Statute of the University ensures participative management. The Academic Council, Syndicate and the P.G. Council are the three most important administrative academic decision making bodies. In the first two, besides teachers representatives of the Government, Vice Chancellor and other distinguished academicians are members. For every important activity and function, the Vice Chancellor involves students, teachers and non-teaching employees. The teachers provide leadership in all activities and assist the Vice-Chancellor and his team of officers. As a whole, the University is student centered and teacher driven. All others act as facilitator for the students and teachers. The focus is on the learning-teaching process. The routine administration and logistics management is carried out by the University Office. The Vice-Chancellor is the leader, he is the head of the family and he leads from the front carrying the whole university community. The following give some details

- Syndicate is the policy making authority of the University, which is represented by the Vice-Chancellor, faculty members, nominee of Chancellor, Government, and affiliated colleges.
- Finance Committee examines the annual accounts of the University and advises the Syndicate there on to examine the annual budget estimates and advice the syndicate thereon to review the financial position of the University from time to time and to make recommendations to the syndicate on matters relating to the finances of the University.
- Academic Council consists of teachers, and researchers, principals shall

exercise general supervision over the academic policies of the University and provide leadership for raising the standards of quality of education and research.

- A number of other committees like the Examination Committee, Affiliation Committee, Equivalence Committee, IQAC, URC, BOS, SRC, Investment Committee, Syllabus Committees function with wide representation from teachers. They review and approve matters pertaining to syllabi, teaching, research, affiliation, et cetera subject to the approval of the Academic council and Syndicate.
- At Department level the Teachers' Council meets often and decides matters related to the department.

6.1.7 Give details of the academic and administrative leadership provided by the University to its affiliated colleges and the support and encouragement given to them to become autonomous?

The CDC constantly strives to bring in more and more colleges under 2f and 12b of UGC Act to enable them to receive UGC grants. Between 2011 -15, a large numbers of colleges have come under the fold of UGC Grants.

The University has a CDC consisting of University and Government officials, Principals of affiliated college and distinguished academician. The Director, CDC regularly holds principals conference and interacts with them explaining various aspects of autonomy during the period under study following colleges have been awarded Autonomous status. There are 15 colleges under the University with autonomous status.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

The University Act and Statute provides for grant of autonomous status to colleges as per UGC Rules and Regulation. The University confers the degree on the recommendation of the college. The Autonomous colleges enjoy full academic and administrative autonomy. However, they have broadly confirmed to the academic and curricular structure of the University. The University is represented in their board of studies, Academic Council and Management body.

6.1.9 How does the University groom leadership at various levels? Give details.

At students level

Students develop leadership quality through Student Union Activities, Sports and Cultural activities. They are assigned responsibilities at the departmental level for all seminar activities and study tour. Students are also given opportunity to work for major functions like Convocation and Foundation Day of the University. During cleanliness drives, community festivals in the campus and all other events students are involved. Students also manage all their own cultural, sports, literary and union function. NSS activities also provide ample opportunities to develop leadership. Students also organize blood donation camps.

At faculty level

The teachers are involved in all the activities named above and play an active role. All these activities also provide teachers opportunity to develop leadership. Besides, teachers are assigned key position in rotation to enable them to develop competency and leadership. Positions like Director CDC, DO, DSW, Director UGC-HRDC and Professor In-Charge, Research and Development, Hostel Warden, Hostel Superintendent et cetera are assigned to teachers. At the departmental level, Headship is held on a rotation basis by Readers and Professors

6.1.10 Has the University evolved a knowledge management strategy? If yes, give details.

Though the University has been slightly delayed in exploiting the knowledge regime, some of the steps in this direction are as follows:

- The large scale use of internet and ICT in the teaching, learning and most importantly evaluation processes.
- Making efforts in interacting with other knowledge holders like nearby institutions (IOP, IMMT, NISER, IIT, IMC, ILS, XIMB, and CIPET), industries and Government for collaborative and joint activities. Developing MoUs with outside institutions (TISS, Foreign Universities) for advancing Knowledge.
- Planning for incubation centers to carry out innovation and research.
- Facilitation and providing service in specific domain areas like Psychology and Sociology for mutual benefit.
- Wide spread implementation of internet availability in the campus with facilities of blocking undesirable sites.

- Providing access to e-journals, dissertations, books and newspapers through infolibnet and other resource providers.
- Provision to ensure originality through dedicated software.
- Library automation.
- Preservation of rare manuscripts and making them available as e-resources

6.1.11 How are the following values reflected in the functioning of the University?

Contributing to National Development

The University contributes to the national goals of Higher Education by improving access that reflected in the increasing number of graduates. We are also committed to improvement of quality and convergence of knowledge. Choice-Based Credit System has been implemented in the post-graduate departments and Autonomous College and planning to implement it for all college next year. The PhD and DSc regulations has been revised to improve the quality of research in the University. We have also revised our Teacher Education, Law, Medical, Homeopathic/ Ayurvedic and such other curricula as per latest guidelines of UGC / IMCR / DCI / NCTE et cetera for improvement of quality. We have also adopted model UGC curriculum both at UG and PG levels. By producing quality manpower we are contributing to the national development goals. More than seven Alumni of our University are now Secretaries of the Union Government. We are the largest contributor to the pool of scientist of BARC, and TIFR. Our alumni are dominating the banking and insurance sector of the country including RBI and NABARD. Our products are now in all most all central Universities and Institute of National Importance (INM). Our students have excelled even in corporate sectors.

The university is the largest affiliating university of the state. It follows an inclusive policy and provides education at highly affordable rates to all with merit as the prime consideration.

Fostering global competencies among students

We strongly believe that the world is increasingly becoming a single unit for employment. We are convinced about developing global competency. Our curriculum for Science Faculty is at par with international standards. Our Arts curriculum has three focal points – international, national and local. Political science students study international relation, political thought and governance system of the continent and of the new world. The globalised world is reflected in our curriculum. Besides,

developing competencies in English, we have started teaching Japanese language. Soon we shall include other foreign languages. In the IT and ICT sector, we are also ensuring that our teachers and students develop competency.

In consonance with the skilling India concept, the university is evolving a concept of skill at higher education at post graduate levels. Workshops in almost all departments have been conducted identifying and providing skill training in their respective domains. This is intended to develop competencies at national and international level.

Inculcating a sound value system among students

Ethics and value relevant to various subjects such as Business Management, PMIR, Commerce, IT, Applied Economics, Biotechnology and Pharmacy et cetera have been integrated into the curriculum. Besides, ethics is taken care in all our extra-curricular activities. Ethical practices in academic, administrative and financial activities are followed. The University also conducts from-time-to-time courses on personality development, counseling, yoga, NSS camps et cetera for instilling a good value system. The conduct of popular lectures and seminars by eminent personalities also helps the student community to enhance and update their value system.

Promoting use of technology

Availability of campus wide network, membership of National Knowledge Network (NKN) and INFILBNET, Internet connectivity, use of ICT in Learning, Teaching and Research. The Science Departments have many advance equipments to ensure use of technology for research.

Details of technology available and used have been reflected under the individual SSRs.

Quest for excellence

We are fired with quest for excellence. Both students and teachers share this. They have actively supported all the initiative taken by the University to improve quality. Recent initiatives include introduction of CBCS both at UG and PG level, open electives in the 3rd semester for PG level and in the 5th semester for the UG level, automation of the examination system and the management of the library is yet another step. Massive repair and renovation of the aging infrastructure have contributed to better teaching learning ambience.

6.2 Strategy Development and Deployment

6.2.1 Does the University have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

Vision and Mission

The University ensures that the vision and mission of the university becomes a shared ideal and practice of the stake holders.

Teaching and Learning

- Introduction CBCS For BBA/BCA/ MFC & PMIR for affiliated colleges.
- LLB for affiliated colleges within 3 years.
- Establishing Skill based training

Research and Development

- Establishment of Central Instrumentation Centre.
- Promoting inter-departmental co-operation & collaboration for research and convergence of knowledge.
- Collaborating with Central Government Educational and Research Institutes in and around Bhubaneswar.
- Introduction of seed funding

Community engagement

- University to adopt at least 7 villages and participate intently in rural developments.
- Open its psychological counseling cell to the community.

Human resource planning and development

- Developing a residential HRDC to house 200 trainees at a time.
- Developing scheme for engagement of distinguished retired teacher and assigning Teaching responsibility to JRF- NET qualified Ph. D. Scholars.

- Evolving a scheme of Teaching Internship. Filling up of sanctioned teaching & non-teaching posts.
- Conducting Training Programs for teaching and non-teaching staff for attitudinal change and improved professional competency.
- At least five programs (one every year) need to be conducted for non-teaching employees.
- Exploring national and international collaboration for joint research, teacher and student exchange programs.
- Upgrading the content of curriculum constantly.

Industry interaction

- Establishing Incubation centre in agribusiness
- Establishing Entrepreneurship training Centres
- Establishing skilling courses

Internationalization

We have an ongoing collaboration with University of Tubingen. Department of Physics is working jointly with national and international high energy physics programs. There is a proposal under Kalinga-Srilanka Foundation to foster collaboration with Srilankan Universities. Teaching foreign language courses like Japanese has been initiated. A policy for credit transfer with outside universities is to be worked out. A policy for adopting global best practices is to be put in

6.2.2 Describe the University's internal organizational structure and decision making processes and their effectiveness.

The organizational structure of the University is as follows:

1. **Chancellor:** Assisted by commission-cum-Secretary/Principal Secretary and a secretariat
2. **Vice-Chancellor:** The chief executive of the University academic, administrative and financial. Chairman of all authority of the university.
3. **Syndicate:** Board of management and Policy maker
4. **Senate:** The house with representative from all stakeholders

5. **Academic Council:** A house of teachers, principals and academicians which is the highest academic body
6. Finance Committee, Investment Committee, Statute Amendment Committee, Examination Committee, Affiliation Committee, Building Committee, et cetera report to the syndicate.
7. Regulation Amending Committee, Equivalence Committee, Library Committee, University Research Committee, Subject Research Committee , Boards of Studies work with the academic council

6.2.3 Does the University have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Yes. Maintenance of quality in knowledge delivery, research, governance, infrastructure, learning resources, student facilities and continuous introduction of best practices are the key elements of our vision and mission statements. The quality assurance activities are carried out through a bottom up approach where implementations of principle of excellence get introduced at every stage. Students, parents and alumni provide feedback that is implemented at the departmental level in the learning – teaching process. The Teachers’ Council, Subject Research Committee and Board of studies of respective departments and other stakeholders define and implement the quality standards. The Academic Audit Group of IQAC and College Development Council ensure successful implementation of these policies. The Vice Chancellor, Chairman PG Council, Professor I/C R & D and Director, SFS ensure implementations.

Departmental Committees, Teachers Council

The Departmental Committees are bestowed with the powers to take decisions on academic and administrative matters concerning the department and implement them with the approval of the University.

Subject Research Committees (SRC)

The Departmental Research Committees constituted under the Chairmanship of the respective Heads of the Departments, shall monitor all research activities in the departments and address the quality sustenance and maintenance matters in the research activity of the departments.

Quality Monitoring Cells

A Quality Monitoring Cell (QMC) established at all the colleges with one Coordinator and two members monitors the quality aspects in the college and coordinates with IQAC from time to time at the university level. It provides the required information to IQAC and facilitates in the preparation of annual reports and other information required for submitting reports to NAAC.

Internal Quality Assurance Cell (IQAC)

- IQAC constituted in the Utkal University in 2004 under the Chairmanship of the Vice Chancellor, functions as a nodal agency of the institution for quality-related issues.
- Initiates measures leading to quality sustenance and quality enhancement.
- Promote quality consciousness among all the stake holders and constituents of the institution through seminars, workshops and meetings.
- Evolves mechanisms to record and monitor the healthy practices adopted by the various wings of the institution.
- Prepares documentation for the NAAC Process.

6.2.4 Does the University encourage its academic departments to function independently and autonomously and how does it ensure accountability?

The post graduate departments enjoy full functional autonomy regarding formulation of curriculum, syllabus, teaching, examination, admission and other academic activities. Each department has its Teachers' Council to take all decisions on academic matter on consultation. There is PG council where all the Heads of department are members and general policy decisions are made there. Head is on rotation cum seniority basis (every 2 year) and Chairman PG council is also appointed on rotation cum seniority basis. Accountability is ensured through academic and financial audit. The Post Graduate Council has administrative authority. The Vice Chancellor exercise full academic and administrative control over the Heads of the Department. Annual Self Appraisal System for teachers is in place and Vice Chancellor reviews performance of the teachers. The Registrar is the authority for non-teaching staff.

6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?

Broadly the cases filed relate to service benefits, seeking regular job against temporary/ contractual service and examination matters. Some of the service cases arise out of government policy and attitude. There was a complete ban on recruitment for almost 15 years in the past and university was forced to engage people on contract and other temporary basis. Now almost 90% of such cases have been settled.

6.2.6 How does the University 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?

Every officer has a specific time in a week to meet persons with grievances and to attend to these. A mechanism is being evolved for better management. Software is being developed. All the top officers including the Vice Chancellor periodically review the status.

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

Student feedback is continuously taken, analyzed at the Departmental level and redressed. Some of the general and important issues that have emerged are the massive hostel repairs, construction of new hostels, renovation of sports facilities, Wi-Fi Campus, extending hours of the library, opening the seminar libraries at late night hours, infrastructural development, skill courses et cetera. Some of the feedbacks are in the process. They include massive up gradation of canteen facilities, placement services etc. Detailed analysis of feedback is being done.

6.2.8 Does the University conduct performance audit of the various departments?

- Academic Audit of the P.G. Departments has been conducted several times by the respective committees and the Vice Chancellor.
- Academic Audit of Autonomous colleges have also been carried out.
- Audit of various administrative departments have been done. Fresh initiatives are being planned.

6.2.9 What mechanisms have been evolved by the University to identify the developmental needs of its affiliated institutions?

- The Director, CDC is the designated officer for attending to all the needs of affiliated colleges.
- The CDC has been formed and its meetings are held regularly.
- The Director, CDC, visits Colleges regularly.

- Various affiliating team consisting of Teachers and officers of the university also visit colleges.
- The Director, CDC also assist the college to obtain UGC recognition under 2f & 12b.
- He also monitors the developmental activities of such colleges and the utilization of funds received from the UGC. At the beginning of the plan period developmental needs of these Colleges are identified.
- We also conduct Principals Conferences Periodically.

6.2.10 Does the University have a vibrant College Development Council (CDC)/Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

Yes.

College Development Council (CDC) is constituted by the University to look into the academic/administrative problems of affiliated and constituent colleges. It is a coordinating agency.

A senior faculty member is appointed as the Director, CDC, who liaison between Affiliated/Government/University Constituent Colleges, UGC and State CHE. The Council is guided by Vice-Chancellor and Registrar.

Functions of CDC

- Assists the University in constituting governing bodies and academic councils of autonomous colleges.
- Suggests suitable names of senior teachers to University administration to serve on various committees in the colleges under the Utkal University.
- Arranges Local expert committees to visit U.G. and P.G. Colleges for assessing their academic functioning.
- Coordinates with the UGC in conferring/reviewing/extending autonomy to the colleges under the jurisdiction of Utkal University.
- Helps the affiliated colleges for inclusion in the list maintained by UGC under section 2(f) and 12(b) of UGC Act, 1956.
- Helps the colleges in getting funds from UGC in the form of developmental, research projects, job oriented courses and other programmes launched from time to time.
- Takes measures to facilitate teachers in their career improvement.
- Co-ordinates with Odisha State SHE in various activities
- Holds Principal's conference
- Facilitates Curriculum Development

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?

- UGC-HRDC (formerly UGC-Academic Staff College) conducts programs regularly for the professional development of Teachers.
- The University Computer Centre conducts IT training programs periodically to improve proficiency .The Accounts Training College of the State Government continuously trains both teaching and non teaching staff of the University.
- The UGC-HRC, the PG Department of PMIR and Psychology have planned to conduct few training program on attitudinal changes, leadership, office management and soft skill.
- In collaboration with UGC-HRDC, Department of A&A Economics conducted five skill development programmes on SPSS.

6.3.2 What is the outcome of the review of various appraisal methods used by the University? List the important decisions.

- All teaching and non-teaching employees submit annual self appraisal reports. The reporting officer provide their assessment and the matter is placed before the receiving authority. Finally the self appraisal reports are placed before the accepting authority.
- Negative comments/views are communicated to the employee before acceptance.
- The reports of the teachers are placed before the Vice Chancellor and other reports are routed through the Registrar.
- Besides, employee performance appraisal, academic audits are also carried out for departments.
- The Syndicate also appoints its subcommittees to review the performance of organization. Recently Syndicate reviewed the performance of the University Press.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff?

What percentages of staff have benefitted from these schemes in the last four years Give details?

<input type="checkbox"/>	Group-linked insurance scheme	100%
<input type="checkbox"/>	Provident Fund	99%

<input type="checkbox"/>	University health centre	100%
<input type="checkbox"/>	Festival advances	50%
<input type="checkbox"/>	House building loans	40%
<input type="checkbox"/>	Staff quarters	15%
<input type="checkbox"/>	Pension Fund	50%
<input type="checkbox"/>	Sabbatical leave	5%

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

Utkal University has no attrition problem. It has no difficulty in retaining its staff. However due to Government policy and bureaucratic delay, we have difficulty in promoting teachers under career advancement scheme. This has resulted in few teachers seeking jobs of higher rank in other Universities. The University administration is working on sorting out issues in this regard. Similarly as the age of superannuation is 60 and not 65, few teachers on retirement join central Universities instead of trying for UGC assignments in their parent University.

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

There is a centre for Women's studies in Utkal University. They carry out several programs to raise the awareness on gender issues. They are in the process of conducting a gender audit within three months.

6.3.6 Does the university conduct any gender sensitization program for tis faculty.

A number of programs have been conducted by Centre of Women's studies and Department of Sociology

6.3.7 What is the impact of the university's academic staff college programs enhancing the competencies of the university faculty?

- The regular activities of Academic Staff College have benefitted the teaching staff through participating in 'Orientation Programmes' and 'Refresher Courses'.
- Several faculty members of the University acted as Coordinators, Resource Persons.

6.4 Financial Management and Resource Mobilization

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

- Regular Budget and Revised estimates preparation, Supplementary Budget.
- Expenditure is carried out as per Budget Provision.
- SWIFT Accounts
- Regular Audit

The financial matters are under the close scrutiny of the Finance Officer (Comptroller of Finance, CF) who will be exercising control over the budget and expenditure of all departments. The CF is responsible for preparing the budget of the University and monitors the utilization of funds provided by the state government

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

All expenditures are audited by the internal audit officer of the University for budget and regulation compliance. Utilization Certificate are provided to the funding agencies after due audit. In addition, the accounts of the university are audited every year by the state Audit of the Government of Odisha.

6.4.3 Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?

The audit objections are complied with. All the minor objections pertaining to procedural deviations and all such objections are compiled by the respective officers under the direct supervision of the Comptroller of Finance.

6.4.4 Have the accounts been audited regularly? What were the audit objections, if any, and how were they complied with?

Yes. The accounts have been audited regularly. The objections, if any, are complied with by every section related to the matter. The Departments comply with objections related to their accounts.

6.4.5 Narrate the efforts taken by the University for Resource Mobilization

Being a state University, the salaries of most of the employees and teachers are provided by the State Government through Block Grant. The University runs self financing programs and courses where one third of the fees are received by the University as its share. In addition, the University also receives examination fees and various student fees. Most of the amount collected is spent on utility bills and salaries of employees employed on orders of Honourable courts and paid out of these sources. Since the government does not pay for the massive maintenance, some repair, et cetera are spent from own source.

The University in the past has received endowment money for medals, prizes and instituting Chair professorships. Currently a proposal for MCL Chair is under discussion.

During the last year, the University has applied and received financial grants from state government for infrastructural development and hostel repairs

The university also receives financial grants on research projects from funding agencies. UGC, DST, MHRD, Ministry of Finance, GOI also provide grants for University Development programs in every plan period.

6.4.6 Is there any provision for the University to establish corpus fund? If yes, give details.

There exists a foundation fund that is expected to cater to emergency situations under approval of Syndicate. At present there is plan to create a corpus fund in a gradual manner.

6.5 Internal Quality Assurance System

6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.

Academic audit is generally carried out by a committee with members drawn from both internal faculty and external members (done in 2015). In addition, Vice Chancellor and PG Council carry out academic audit of the departments separately.

6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

Specific suggestions are complied on priority basis.

- 6.5.3 Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The entire learning teaching process is reviewed at a number of levels in the University. The department and its teacher council examine the curriculum, project work and student's feedback on the teaching for suggestions. The Chairman, PG Council and Director SFS regularly review the instructional work in regular departments and self financed groups. At the University level, the committees look at grant of affiliation to the colleges and courses. Apart from these functions, inspections are also conducted by the CDC and PGC during the academic year to take care of issues related to learning teaching process. PG Council makes an academic schedule and operates as per this schedule. The Controller of Examinations conducts the examinations as per this schedule.

- 6.5.4 **How has IQAC contributed to institutionalizing quality assurance strategies and processes?**

IQAC has been involved in quality assurance in learning teaching process from its inception. The IQAC has actively worked on a number of key projects in the University. The following gives a few examples

- Introduction of CBCS in its entirety in all PG Courses
- Introduction of CBCS in UG Courses in two phases in Odisha
- Carrying out Academic and administrative Audit
- Introduction of 5-year integrated course on experimental basis.

- 6.5.5 **How many decisions of the IQAC have been placed before the statutory authorities of the University for Implementation?**

As many as 15 suggestions related to introduction of CBCS, curricular development, feedback from of students, student support and progression, website restructuring, research, consultancy and extension, up-gradation of infrastructure and other facilities, industry-institute partnership of IQAC have been placed before the authority for implementation.

- 6.5.6 **Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.**

Yes, IQAC has four external members namely

1. Prof. B. K. Mishra, Director, IMMT, Bhubaneswar
2. Prof. A. K. Mohanty, Former Professor, JNU, New Delhi
3. Prof. B. Ravindran, Director, ILS, Bhubaneswar
4. Prof. B. R. Mohanty, XIMB, Bhubaneswar

The external members participate actively and generally provide suggestions related to learning-teaching-evaluation, research and extension, innovative practices and governance.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

The IQAC and PG Council regularly monitors the incremental academic growth of students from disadvantaged society. Extra classes, language training, provision of mentoring/counseling, seminar presentation, et cetera are arranged for such students.

6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centers, etc.?

Periodic academic and administrative audits have been undertaken by the University. Recommendations of such audits are implemented. Review of course curricula is also undertaken by the departments. Most of the faculties are engaged in active research utilizing the available research facilities. The help and cooperation of nearby national and regional institutes are also utilized through individual and departmental collaboration.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the University conduct a Green Audit of its campus?

The university has gone for massive plantation through the Forest Department, Government of Odisha. All the plants in our 400 acre campus are identified and planted as per the audit carried out by the Forest Department. More than 50% of the Campus has green cover. In addition, all the quarters have their own planned garden. Over the years a number of small parks also have been developed. After the Monsoon, cleaning of wild vegetation is carried out jointly by CRPF Jawans, Bhubaneswar Municipality, volunteers of Sampark, an NGO and our students. Green and red dust bins for bio-degradables and solid wastes are placed at different areas. Jagruti, a Bhubaneswar based voluntary organization, through the Bhubaneswar Municipality has the responsibility of daily campus cleaning. We have been conducting Swachha Bharat Abhiyan involving the entire University family. The Forest Development Corporation of Odisha has helped us in the plantation work. Compost pits have been created to recycle the green waste. NSS volunteers conduct special cleaning and plantation program in the campus

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

Energy conservation

The University has carried out an Energy Audit in 2013. Follow up action has been planned. It is now planned to hand over the entire street lighting to BMC for LED lighting. The University is also part of the rooftop solar paneling project undertaken by Odisha Government wherein all rooftops will have solar panels installed. In addition, all the new buildings being constructed since 2014 by CPWD are designed to be energy efficient.

Use of renewable energy

In addition to solar energy panels, the university is planning to install two units for Bio waste conversion in collaboration with the Department of Atomic Energy.

Water harvesting

Roof water harvesting has been carried out in important buildings .We have even dug a pond in low-lying area to recharge the ground water. All the new buildings constructed beyond 2014 are being designed for rain water harvesting.

Check dam construction

Since, the University is located in a plain area, there is no scope for a check dam.

Efforts for Carbon neutrality

By keeping the whole campus as green as possible, the university has been trying to reduce the carbon footprint.

Plantation

Every year during the monsoon period, the University undertakes massive plantation programme involving the forest Department, staff and NSS volunteers. All the major plants are catalogued.

Hazardous waste management

The generation of hazardous waste is at minimal level, and as such its management does not arise

E-waste management

Currently, e-waste is handled through designated vendors of the Pollution Control Board. The University does not have any e-waste management device.

Any other (please specify)

Plantation and greenery is the only answer to environmental degradation. The University is one of the rare green top areas in Bhubaneswar. At present, each department, each hostel and each householder work on the patches of land around them to make it green. Department of Botany takes leadership in these activities.

7.2 Innovations

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

- With introduction of CBCS, students of one PG Department have the freedom to gather credit from another Department during the third semester.
- Introduction of online admission, issuance of University Registration Number, Hall Ticket, Mark sheet for the 3 year Degree Examination benefiting more than 1.5 lakh students is a land mark achievement. Introduction of QR code on the mark sheet and provisional certificate has also made verification easy. This needs to be extended to all examinations.
- Introduction of CBCS for PG courses and Autonomous collegea w.e.f 2013-14 and 2015-16, respectively.
- Massive pre-curricular and post-curricular conclave, discussion, hosting the proposed curriculum on website prior to bringing it to the Board of Studies.

- Introduction of new curriculum structure and syllabus as per UGC modern curriculum in record time and providing model curriculum for the entire state has shown great leadership of Utkal University.
- Massive plantation exercise and cleaning exercises have created a better learning ambience.
- Auto transfer of funds and opening of escrow account for SFS and regular courses facilitated the functioning of the departments.
- Changeover of all accounts in to flexi mode has improved our financial position
- Library automation, roll of Library Science department students for manuscript preservation and having the students as interns in library to facilitate extension of library timings
- Renovation of ageing buildings, the administrative block, old arts block and the hostel have contributed to our improved ambience.
- Introduction at NCC as an elective at 3 year Degree program, the first University in India to do so.
- Promotion of autonomy for colleges with 15 autonomous colleges.
- Introduction of Mediclaim policy for students admitted 2015 onwards.
- Imparting Japanese Language Skill to research scholars
- Imparting Soft skills to students
- Psychological counseling for needy students at Psychology Department
- Extended library working hours and development of minimal library facilities at hostels.
- Internet access with wi-fi in the hostels – created enhanced learning opportunities.
- Review and introduction of new DSc., D. Litt., LLD Guidelines
- Provision of one year window to deserving Ph. D. scholars who for genuine reasons were not able to submit but had their theses in readiness.
- Appointment of a Director for SFC courses
- Construction of two new hostels for girl students (500 capacity) aims to provide campus life.
- Provision of flatlets for visiting scholars
- Provision of a 200 seated residential HRD Centre
- Running of students seminars rigourously
- Operation of a literary club in English Department
- Publication of Departmental Journals for Economics, MBA, Computer Science, etc.
- Massive development of skilling programs at post graduate levels in all the 27 departments. Skilling at post graduate level is a part of the learning domain, that adds employability. It has defined for the first time a group of value added skills.
- Recruitment of faculty in a short period has uplifted the spirit of the university greatly.

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the University.

1. Introduction of Choice Based Credit System (CBCS) at PG and UG level :

Objective:

- UGC has initiated several measures to bring equity, efficiency and excellence in Higher Education of the country. One of the important objective of CBCS is to have a uniform norm to enhance academic standards and quality in higher education which includes innovation and improvement of curriculum, teaching learning process, examination and evaluation system by giving a wide variety of choice to the student.

Context:

- Introduction of CBCS at PG level from 2013-2014 and at Autonomous Colleges from 2015-2016 academic session and at Affiliated Colleges from 2016 along with the new curriculum in tune with UGC model curriculum is a giant step in quality initiative. Utkal University has adopted the scheme in conformity with the guide lines of UGC. With an aim to broaden the boundaries of human knowledge through research and teaching, to prepare the students to assimilate the ever widening knowledge and to expose them to the interlinking themes of the diverse subjects, the curricula, evaluation processes, it was strongly felt that in order to bring uniformity across the State and with Nationally reputed Institutions, introduction of CBCS is necessary to make quality education accessible to its students to enable them to attain excellent standards to integrate themselves anywhere at the global level. CBCS pattern offers core, elective, allied elective/discipline specific elective, soft skill courses with a grade based assessment of the student. The students get a number of choices and can take courses from other discipline. This allows the student for a greater mobility across the academic world.

Work element:

- Introduction of CBCS at PG level from 2013-2014 and at Autonomous Colleges from 2015-2016 academic session and at Affiliated Colleges of Utkal University from 2016 along with the new curriculum in tune with UGC model curriculum has been a giant step in quality initiative. Utkal University has adopted the scheme in conformity with the guide lines of UGC.
- The design of the course curriculum for UG and PG courses under CBCS was first initiated at the University in 2012. Meetings of the Principals of the affiliated colleges were held and they were appraised of various aspects of implementation of CBCS. Faculty members of the University in consultation with a number of teachers in the

colleges discussed for framing the structure. In some departments, the course curriculum was independently evaluated by atleast two external experts. . The course curriculum was discussed and passed in the respective Board of Studies of the departments consisting of senior members of the department and external members before finally getting passed by the academic council for implementation of CBCS in PG courses from the academic session 2013-14.

- In view of the new UGC guideline in 2015 for framing the UG course under CBCS, several meetings of Vice-Chancellors were held in different Universities. Chairpersons of Board of Studies of various subjects in various universities were invited to the meetings to have an in depth discussion on the model curricula given by UGC for implementation at the UG level. Faculty members in consultation with college teachers framed the syllabus in conformity with UGC guideline and was discussed and passed in the respective board of studies meetings. Finally, it was passed by the Academic Council for implementation from 2015-16 academic session. Though initially, the plan was to introduce in all affiliated colleges of Utkal University, it was first implemented in the Autonomous colleges as they were equipped with better infrastructure in terms of laboratories, library, teacher strength etc. All other affiliated colleges are preparing themselves for being a part of this novel program from the academic session 2015-16.
- In our CBCS pattern, the grade based assessment is done semester wise with continuous evaluation process through quiz tests, project seminars, assignments, group discussions, laboratory demonstration, mid semester and end semester examinations. This is a fairly rigorous method of evaluating the knowledge domain of the student. There is no delay in publication of the final result at the end of two years PG courses and the students who get selected for doing Ph.D. at various national institutions and abroad, join the course work program immediately.

Outcome:

- Adoption of CBCS pattern has helped in properly evaluating the performance and acquired knowledge of the student in a more appropriate manner. This has also helped in enhancing the interaction between the teacher and the student. Our students certainly have a greater mobility across the academic world.

2. Skilling at Post graduate level:

Objective:

- Following the necessity of “Skilling India” and the importance thereof, it was strongly felt that evolving skilling at Post Graduate level in Science, Humanities, Social Science, Commerce and Management departments will be very much useful in enhancing the employability of the Post Graduate students.

Context:

- Earlier, there was no clear classification of employable skill at the postgraduate level. Hence, it was decided to take a new initiative in redefining employable skills at Post Graduate level through conducting skill based Workshops/Trainings relevant for each of the PG department. A skill based workshop was also conducted to train people in handling e-Granthalaya packages in the central library. For the first time, several innovative skills have been identified at the Post graduate level which will certainly enhance the employability of the students in various sectors. This experimental initiation was undertaken as a part of UGC's XIIth plan program.

Work line:

Proposals from PG departments identifying the relevant skills akin to their department were invited. This was evaluated and approved by a committee. The workshops were conducted with very competent resource persons. Apart from Post Graduate, M.Phil. students, research scholars, college teachers were also invited to participate in the above workshops. There were very few lectures. For the Humanities and Social Science departments, the skill components included soft skill training, reading, writing and editing skill, spoken Sanskrit, Lexicography, Industrial relation law, Legal research and language development, Project management, using library packages, psychological testing, biological Anthropology, Pottery in archaeology etc. In Science departments, emphasis was given on hands on laboratory aspects like fault finding in scientific instruments, repairing of basic instruments, advanced programming using MATLAB, SCILAB, Monte-Carlo simulation, Parallel Computation, estimation of protein content in biological samples, Confocal microscopy, study of chromosomes, detection of physical matching of gene, identifying different molecular marker, using SPSS packages in data analysis, gemology, Odia character recognition etc.

Outcome:

- The experience was unique. Response was very good and there was a high demand for repetition of such training program in future. There was lot of enthusiasm among the students and college teachers in each department for sharing an unique experience.

Any other information regarding Innovations and Best Practices which the University would like to include.

Innovations:

- Students have been trained in Manuscript collection and preservation technique as interns in the central library.
- There is a monthly reading group in the department of English known as "ARIEL" (Ardent Readers and Interpreters of English Literature).

- A roof top garden has been developed by the students of Physics and the plants are taken care of by the students.

Best Practices:

- Many students volunteer to teach the children of the under privileged sections of the society free of cost.
- Members of Women Studies Department are engaged in socio-economic development of women and children of the slum areas.
- Field trips are organized to interact with the vulnerable sections of the society and efforts are made to help them in improving their quality of life, helping the children and younger group in imparting education.
- Alumni members of the departments financially support the needy students and help in enriching the infrastructure of the department.

ABBREVIATION

A & AE – Analytical and Applied Economic

AICTE- *All India Council for Technical Education*

AIH&C- Ancient Indian History and Culture

AIU – Association of Indian Universities

ASC – Academic Staff College

ASI – Archeological Survey of India

BLNO - Block Level Nodal Officers

CAS – Career Advancement Scheme

CAS – Center For Advanced Study.

CBCS – Choice Based Credit System

CDS- Centre for Development Studies

CMGI- Centre For Modernizing Government Initiative

CRPF- Central Reserve Police Force

CSR – Corporate Social Responsibility

D.Litt.-Doctor of Literature

D.Sc.- Doctor of Science

DBT-Department of Biotechnology

DHEO- Department of Higher Education, Odisha

DJ&EC – Development Journalism and Electronic Communication

DPE- Department of Public Enterprises

DPOS - District Programme Officers

DRS - Departmental Research Support

DSA – Department of Special Assistance

DSE- *Delhi School of Economics,*

DST- Department of Science & Technology

EPW- Economic and Political Weekly

ESRC – Economic and Social Research Council

FIST – Fund for Improvement of Science and Technology Infrastructure.

GATE – Graduate Aptitude Test in Engineering

GDN- Global Development Network

GIDR- *Gujarat Institute of Development Research*

GIS - Geographical Information System

HRDC- *Human Resource Development Council*
ICHR – Indian Council of Historical Research
ICICI- Institute of Credit and Investment Corporation of India
ICPR - Indian Council of Philosophical Research
ICSSR- Indian Council of Social Science Research
ICT-Information and communications technology
IEG- Institute of Economic Growth
IGCP--International Geological Correlation Programme
IGIDR- *Indira Gandhi Institute of Development Research*
IGNCA – Indira Gandhi National Center for the Arts.
IGNOU- Indira Gandhi National Open University
IMBA – Integrated Master of Business Administration
IMCA – Integrated Master of Computer Application
IMMT – Institute of Minerals and Material Technology.
INFLIBNET - INformation and LIBrary NETwork
INSPIRE - Innovation in Science Pursuit for Inspired Research
INTACH - Indian National Trust for Art and Cultural Heritage
IQAC - Internal Quality Assurance Cell
IRADe- Integrated Research and Action for Development
IRMA- Institute of Rural Management Anand
ISI- Indian Statistical Institute
ISID- Institute for Studies in Industrial Development
ISM- *Indian School of Mines*
JRF – Junior Search Fellow
L&T - Larsen and Turbo
MFC – Master of Finance and Control
MIDS- Madras Institute of Development Studies
MSE- Madras School of Economics
MSW - Master in Social Work
MTHM - M.A. in Tourism and Heritage Management
NAAC – National Assessment Accreditation Council
NASSCOM – National association of Software and Services Companies
NET – National Eligibility Test

NIPFP- *National Institute of Public Finance and Policy*
NMMA - National Mission on Monuments and Antiquities
NMPB - National Medical Plants Board
NRPPD- *National Research Programme on Plantation Development*
NSDC - National Skill Development Corporation
NUEPA- National University of Educational Planning and Administration
NUSSD - National University Student Skill Development
OPD – Out patient Department
OPSC – Odisha Public Service Commission
ORSAC – Odisha Space Application Center
OSSSC – Odisha sub-ordinate Staff Selection Commission
OUAT- Orissa University of Agriculture and Technology
PGDBIM -Post Graduate Diploma in Banking & Insurance Management
PGDDNM – Post Graduate Diploma in Dietetics & Nutrition Management
PGDHRM – Post Graduate Diploma in Finance Management
PGDMM – Post Graduate Diploma in Marketing Management
PGDPOM – Post Graduate Diploma in Production & Operation Management
PGDTTM – Post Graduate Diploma in Tour & Travel Management
PLTP- Placement Linkage Training Programme
PMIR- Personnel Management and Industrial Relations
RGNF – Rajiv Gandhi National Fellowship
SANDEE- South Asian Network for Development and Environmental Economics
SAP – Special Assistance Programme.
SPSS- Statistical Package for Social Science
SRC – Subject Research Committee.
SSR – Self Study Report.
TCS – Tata Consultancy Services
UEIGB - University Employment Information and Career Guidance Bureau
UNDP- United Nations Development Programme
UPSC – Union Public Service Commission
URC – University Research Committee



UTKAL UNIVERSITY

BHUBANESWAR

CORE VALUES:

- Stimulate innovation, creativity and scholarship
- Foster equality and gender sensitivity.
- Value, excellence, quality and service
- Transparent, accountable and responsive governance with a human touch.
- Commitment to service that respects and promotes human dignity.
- To cultivate openness of mind and catholicity of outlook.



Utkal University

Vani Vihar
Bhubaneswar 751004

www.utkaluniversity.ac.in