

GOA UNIVERSITY
INTERNAL QUALITY ASSURANCE CELL

Annual Quality Assurance Report (AQAR)

Academic year: 2010-11

PART A

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

1. During the year 2010-11, the University formalized its association with CII-IQ to conduct a series of workshops to strengthen its activities centered on process mapping and, student feedback.
2. Through association with CII IQ, the IQAC decided to conduct workshops to sensitize University faculty and staff to the concept of benchmarking of best practices.
3. The IQAC also decided to initiate internal discussions among departmental heads on the relevance of stakeholder feedback as an essential requirement for quality enhancement.

At the end of the year, the IQAC had initiated the process of process mapping in some of its administrative sections with limited success. Some of the processes in Finance, General Administration and Academic Sections were duly mapped. The IQAC, however, will carry forward its identified tasks of process mapping and student feedback to the year 2011-12.

PART B

1. Activities reflecting the goals and objectives of the Department

Faculty of Languages & Literature	
Department of English	Organization of various events/ seminars/workshops/field trips/ film shows/ thematic guest lectures/ educational tour and such other.
Department of French	A balanced focus on major thrust areas of Literature, Translation, Methodology, Functional French, Language Proficiency and Cultural Studies, which prepare students for the job market in one or more fields. Language courses for other institutions.
Department of Hindi	The Department has introduced credit based syllabus to develop literary, social & cultural aspects among students.
Department of Konkani	Active involvement in research in the field on Konkani language, Literature, Linguistics, Literarily criticism and Folklore. Literary events involving interactions with Konkani litterateurs, especially the Sahitya Akademi award winners. Students encouraged to participate in state and national level literary events.
Faculty of Social Sciences	
Department of Economics	Major UGC projects and consultancy assignments ongoing in the department. Organized data training workshop and a national workshop for researchers and contributors as part of extension activities.
Department of History	Promotion of research through individual research and through

	funded projects of institutions; publication of books and research papers in national and international journals; participation in and organization of Seminars/Symposia/Conferences.
Department of Political Science	Teaching Programme aimed at holistic development of students, focusing on developing both knowledge and skills; Faculty Research feeds into overall research profile of the department; Social Outreach through workshops, public meetings and consultancy.
Department of C.W.S.	CWS aims at knowledge assimilation and knowledge transmission through teaching and training, research, field action, dissemination (library, documentation, publication) and advocacy.
Faculty of Natural Sciences	
Department of Chemistry	Efforts towards academic excellence through good teaching facilities and infrastructure for research activities; publication of research papers in reputed journals.
Department of Earth Science	The Department undertakes research and consultancy activities for strengthening departmental infrastructure in collaboration with industry and government agencies.
Department of Mathematics	Regular interaction with college teachers and ex students.
Department of Physics	Conference on Research Frontiers in Ultra-Cold Atomic and Molecular Gases, UGC-SAP Workshop, Programme Advisory Committee Meeting of DST, Govt. of India; educational tour to the Dhruva Reactor, Bhabha Atomic Research Centre, Mumbai; special lectures by visiting scholars.
Department of Electronics	Introduced tutorials in subject modules. Developing cluster computing facility.
Faculty of Life Sciences & Environment	
Department of Botany	Syllabus up-gradation, addition of new papers, outreach programmes, use of Moodle, full wifi connectivity. Improvement of skill sets among students; field-based work promoted, scientific writing encouraged, guidance to learn state of the art developments in field, addressing societal needs such as knowledge based biodiversity conversation.
Department of Marine Science	Well defined research activities with Estuarine Oceanography and Climate as the thrust areas of research.
Department of Microbiology	Human Resource Development in Microbiology through Teaching/ Research: Credit based course with Lectures, practicals, student seminar, tutorial assignment, Ph.D. research and funded projects.
Department of Zoology	Organized field trips / educational tours.
Faculty of Commerce	
Department of Commerce	Established good contacts with the industry and business enterprises in and outside Goa for corporate internships and placement services.
Faculty of Management	
Department of Management	Two year full time MBA program tailored to suit the manpower needs of the industry. Initiated a five year Integrated MBA Program in Hospitality, Travel and Tourism to serve the manpower needs of the booming Tourism sector of the State. Weekly interactions in the form of presentations and discussions by research students, aspirants and faculty members. Department also has an electronic journal database, electronic

	<p>company and industry databases and computing software to enhance the quality of this program.</p> <p>The department is involved in designing, controlling and facilitating the maintenance of quality of the management programs such as BBA and PGDBA conducted by affiliated institutions by involvement in development of curriculum and pedagogy and overseeing the conduct of such programs through academic audits.</p>
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2. New academic programmes initiated (UG and PG)

Faculty of Languages & Literature	
Department of French	UG: Certificate Courses in French language- Level 1,2 and 3, Skill based course for BA: French for Tourism
Department of Hindi	Semester system & allied major II at UG level
Department of Konkani	Choice Based Credit System adopted for M.A. with eight compulsory and ten optional papers.
Faculty of Social Sciences	
Centre for Women Studies	1. Designed and taught 2 new Women's Studies Credit Courses: Women's Movement in India: Concepts, Struggles and Transitions; Gender Issues in Goa. Proposal submitted for setting up a Department of Women's Studies and offer MA/PhD Programme in Women's Studies.
Faculty of Natural Sciences	
Department of Chemistry	Introduced and implemented choice based credit system at MSc-I level at the campus.
Department of Earth Science	New electives added under the CBCS system.
Department of Electronics	EDA TOOLS-I DIGITAL SIGNAL PROCESSING SIGNALS AND SYSTEMS INDUSTRIAL TRAINING, MINI-PROJECT AND SEMINAR
Faculty of Life Sciences & Environment	
Department of Botany	M. Phil in Botany and Plant Biotechnology
Faculty of Management	
Department of Management Studies	Integrated MBA in Hospitality Travel & Tourism, designed to meet the human resources needs of the hospitality & tourism sector of the country with emphasis on Goa.

3. Innovations in curricular design and transaction

Faculty of Languages & Literature	
Department of English	<p>a) Continuous assessment of students vis-à-vis articulation, structuring of ideas & writing of research articles.</p> <p>(b) Introduction of MCQs & Oral presentations to acquire skills at competitive examinations and interviews.</p> <p>(c) Training in the use of language laboratory.</p> <p>(d) Group discussions introduced to enhance discourse skills and argument-formation.</p>

Department of French	New optional courses introduced under the Choice Based Credit System, in areas such as Film Appreciation, Theatre and Oral expression, Creative Writing and Composition, Corrective Phonetics, etc.
Department of Hindi	Introduced job oriented syllabus such as functional Hindi, Translation, Mass Media at UG & PG level.
Department of Konkani	Introduced course in Media and Film Study, feminist writing, Sociology of Literature, Prosody and Poetics.
Department of Marathi	While restructuring the syllabi a fresh input of text and reference books has been given preference.
Faculty of Social Sciences	
Department of History	Introduced a few new and revised courses at M.A. level under the Choice Based Credit System. Field Work is also introduced as part of a few courses.
Department of Philosophy	Curriculum redesigned.
Department of Political Science	Curriculum modified in tune with the new choice based credit system. ii) Class discussions made integral part of the teaching iii) Regular student Seminar series started.
Centre LAS	Courses provide students with an in depth understanding of International Relations as well as develop analytical skills. Some of the courses are jointly taught with the Department of Political Science.
Centre for Women Studies	Participatory approach is used whenever possible. Current issues concerning women in Goa are discussed. Films and other AV aids are used and students are encouraged to bring their various talents into the teaching/learning process such as posters, skits, presentations, quiz, poetry etc.
Faculty of Natural Sciences	
Department of Chemistry	Curriculum has been design as per credit based system and new innovative optional courses are floated.
Department of Computer Sc & Tech	Activity Based Learning
Department of Earth Science	Flexibility available under the Choice Based Credit System facilitated to conduct more field based teaching and research activities involving increased student participation.
Department of Mathematics	New elective courses added
Department of Physics	Choice Based Credit System adopted and the Physics Curriculum appropriately modified. Seminar courses also introduced.
Department of Electronics	The curriculum designed for hands on experience and to strengthen practical oriented knowledge.
Faculty of Life Sciences & Environment	
Department of Botany	Fully Credit based M.Sc. Programme incorporates global ideas and trends in curriculum, designing new simple field and lab experiments, arranging discussion on scientific films, exposing students to research culture through small projects.
Department of Marine Science	Focus on understanding of the complex interaction between lithosphere, hydrosphere, atmosphere and biosphere. Syllabus designed in a way that the basics of Marine Sciences such as Physical, Chemical, Biological, Geological oceanography are taught in the first year. Curriculum also includes computer

	programming, Statistics and Mathematics as one of the compulsory courses.
Department of Microbiology	PG: Credit based course with practicals for each course and dissertation in the final year with field trip of one credit.
Faculty of Commerce	
Department of Commerce	Syllabus is revised in modular structure under the CBS; Summer Training for MBA (F.S.) and M.Com.
Faculty of Management	
Department of Management	Innovative curricular system. Faculty governed by the principles of student centric learning; the course instructor has flexibility in designing the course as per industry requirements. Focus on developing skills and competencies amongst students.

4. Inter-disciplinary programmes started

Faculty of Languages & Literature	
Department of French	French Language Level 1 2 and 3, French for Business, French for Tourism and Hospitality, Scientific and Technical French
Department of Hindi	Offered four credit course to other Department students and Our students offering course from other Departments
Department of Konkani	The Department offers three interdisciplinary papers: Media and Film Study, Issues in Language Contact and Multilingualism, and Konkani Folklore.
Department of Marathi	A number of students from other department like Department of English and Department of Hindi sought optional papers from this Department of Marathi.
Faculty of Social Sciences	
Department of Philosophy	optional courses Philosophy of Social Sciences, Human Rights, Coping with Death
Department of Political Science	Offered the following papers of inter-disciplinary nature Human Rights Development Administration and Policy Analysis State and the Marginalized
C.W.S.	WS courses available as 4 credit courses to students of the Faculties of Social Science and Languages.
Faculty of Natural Sciences	
Department of Chemistry	Interdisciplinary courses such as bioinorganic chemistry, environmental chemistry, green chemistry, and mathematical preparations for chemistry offered.
Department of Physics	Inter-disciplinary paper titled "Remote Sensing" taught by the Marine Science Department offered to the Part II students of Physics.
Department of Electronics	ADVANCED DIGITAL COMMUNICATION SYSTEMS MICROPROCESSORS ARCHITECTURES AND PROGRAMMING
Faculty of Life Sciences & Environment	
Department of Botany	Optional paper in Remote Sensing and Plant Biotechnology formulated.
Department of Marine Science	Optional paper in Remote Sensing offered across different departments. Basic training given by the Department to strengthen the laboratory infrastructure through various R & D projects.
Department of Microbiology	Papers offered in Bioinformatics, Marine Microbiology
Department of Zoology	Inter disciplinary courses offered.

5. Examination reforms implemented

Faculty of Languages & Literature	
Department of English	Continuous assessment under credit based system introduced. Assessment shown to the students to promote transparency.
Department of Hindi	Continuous assessment under credit based system introduced.
Department of Konkani	Grading system adopted.
Department of Marathi	Continuous assessment under credit based system introduced.
Faculty of Social Sciences	
Department of Economics	Continuous assessment under credit based system introduced.
Department of History	Different types of assessment such as book/article review, surprise test, movie review, group field assignment, field study based assignment, objective type and short answer type tests, map work, etc. introduced in the Intra Semester Assessment (ISA).
Department of Philosophy	In tune with the new credit system in force, the Department reformed the evaluation and examination process. The Department follows, Continuous Internal Assessment.
Department of Political Science	Converted to fully internal assessment system as per the new guidelines.
Faculty of Natural Sciences	
Department of Chemistry	As per the choice based credit system, the paper setting and assessment is entirely internal for theory and practicals.
Department of Computer Science	Continuous evaluation, variable grading
Department of Earth Science	100% internal evaluation (as part of the CBCS)
Department of Physics	Introduction of Continuous assessment
Department of Electronics	Continuous evaluations methods (5 internal test) Group test encouraged Total internal evaluation
Faculty of Life Sciences	
Department of Botany	Continuous Internal assessment and no external component of Semester End Examination
Department of Microbiology	Internal assessment; on-going, continuous Intra semester Assessment & SEE
Department of Marine Science	Choice based credit system implemented.
Department of Zoology	Continuous assessment comprising several written tests, assignments and Seminar tests.
Faculty of Management	
Department of Management	The faculty of management studies practices continuous evaluation of students. Unique system of Open Book Tests, Presentations, Surprise Quizzes, and Case based Pedagogy. Examination aimed at testing students for requisite set of competencies.

6. Candidates qualified: NET/SLET/GATE etc. (give number)

Electronics	1 (NET) 1 (SET)
Earth Science	2 (GATE)
Physics	1 (NET)

7. Initiative towards faculty development programme

Faculty of Languages & Literature	
English	Encouraging faculty members to participate in seminars/conferences/ workshops
French	Participation in seminars, conferences and workshops at international, national and local levels. Interaction with faculty from universities in India and abroad. MoUs signed with French Universities for faculty development.
Konkani	Courses attended on "Language Contact in South Asia" (CIIL, Mysore), Script Writing (Deccan College, Pune), Refresher Course in Languages (Academic Staff College, Goa University).
Faculty of Social Sciences	
Economics	National Sample Survey Organisation (NSSO) Data Management Workshop, with resource persons from Tata Institute of Social Sciences, organized for the benefit of the faculty members.
Philosophy	One of the faculty members was awarded the fellowship by IIAS Shimla. Another faculty member edited a scholarly anthology on Human Rights that was published by IIAS Shimla.
CLAS	The Centre encourages the faculty to participate in Refresher and Orientation courses. One faculty member also participated in a six weeks programme at U.S. Foreign Policy Institute, University of Florida.
Faculty of Natural Sciences	
Chemistry	Faculty encouraged to take up faculty development programs, such as refresher/orientation courses, participation in workshops/symposia/conferences etc.
Faculty of Life Sciences	
Botany	Faculty attend conferences and workshops etc. as both resource persons and participants.
Microbiology	Participation in IQAC programme, Refresher course coordination, Participation in National and International conferences/ seminars
Marine Science	Interactive sessions held to enable the faculty to get to know the student's cognitive ability and to conduct remedial teaching for the needy students. Once the syllabus is taught, a PPT presentation of the entire portion is made. This facilitates the students to draw meaningful conclusions by integrating the subject learned during the semester.
Faculty of Management	
Management	Faculty members organised workshops and also participated as resource persons, notably in case analysis, data analysis, research design, case writing, etc.

8. Total number of seminars/workshops conducted

Faculty of Languages & Literature	
Marathi	Two
Faculty of Natural Sciences	
Earth Science	Two
Electronics	One
Physics	Three

9. Research projects a) Ongoing; b) Completed

Faculty of Natural Sciences	
Electronics	DIGITAP-I; 24,70,000/-; INDIAN NAVY Innovative program in embedded system (Mar 2012), Rs. 75 lakhs
Earth Science	Ongoing – 2 1. DRS-II program under UGC-SAP 2. Completed : One (DST Funded project for preparation of Field Guide on Kutch)
Physics	Ongoing- seven; Completed- Three
Faculty of Life Sciences	
Botany	Four
Zoology	a) New projects: <i>P.V.Desai, "Development of cell line from commercial available prawn Penaeus monodon, 14th August, 2010, DST, Rs. 17.00 lakhs.</i> b) Ongoing/Completed Project: i) <i>P. V.Desai, Mass culture of hepatopancreatic tissue and other tissuesw of crab-Scylla serrata and isolation of bioactive compounds, 25th sept., 2007, DBT, Rs. 28,60,000/-.</i> ii) <i>R. Roy, Lipidomics of some fishes: control of inflammatory disease, 9th sept., 2009 for 3 years, Department of Biotechnology New Delhi, 28.93 lakhs.</i> iii) <i>R. Roy, Membrane lipid bilayer structure: A study with gill epithelial cells of Mud crab Scylla serrata, 26th Dec., 2008, 3 years, UGC, RS. 7,36,800/-.</i> iv) <i>I. K. Pai, Investigations in Zooplankton diversity, distribution pattern and documentation in the south west coast of India EEZ, 12th Jan., 2010, 3 years UGC. Rs. 6, 90,800/-.</i>

10. Patents generated, if any

Chemistry	One patent application is filed.
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11. New collaborative research programmes

Faculty of Natural Sciences	
Chemistry	Group DST-nano mission project initiated; several teachers from other depts. are members of the group.
Physics	Three
Computer Science	Collaborative research with Dept. of Konkani and other Departments.
Faculty of Languages & Literature	
Hindi	One faculty member collaborated with Konkani Academy on Konkani Hindi Dictionary.

Konkani	Engaged in the DIT sanctioned NLP Projects in collaboration with the Department of Computer Science and Technology.
Faculty of Life Sciences	
Marine Science	Collaborative research programs with, ISRO Space Physical Laboratory (SPL), Space application Centre (SAC) and National Institute of Oceanography (NIO).
Microbiology	Research programme with NIO for COE-Network Project
Zoology	Collaborative projects with BARC, Bombay, sponsored by DAE, India Jointly with Physics dept., Goa University, sponsored by DST, India.

12. Research grants received from various agencies

Faculty of Languages & Literature	
Hindi	Research grants from Sahitya Academy, New Delhi & Central Hindi Directorate, New Delhi.
Konkani	1. Indian Languages Corpora Initiative (ILCI) for Konkani Language, Rs. 23 Lakhs 2. Development of Indradhanush: an integrated Word Net for Bengali, Gujarati, Kashmiri, Konkani, Oriya, Punjabi and Urdu, Rs. 47.51 lakhs
Faculty of Social Sciences	
Economics	Major UGC Research Project titled: "Financing of University Libraries in India," Rs. 4.29 lakhs. Consulting assignment received from International Centre for Integrated Mountain Development (ICIMOD), Nepal, 60,000/-.
C.W.S.	i) ICSSR Seminar on Teaching Gender: Rs. 40000/-
Faculty of Natural Sciences	
Chemistry	Research grants from DST, BARC, UGC, DST-nanomission, DST&E-Govt. of Goa = total ~ Rs. 3 crore
Physics	Rs. 67.39 lakh
Electronics	UGC (Major Research project) ; 9,33,800/- UGC Innovative project(2007-2012);70,00,000/- ICMR(Major Research project); 22,00,000/- Indian Navy ; 27,00,000/-
Faculty of Life Sciences & Environment	
Botany	CSIR Rs. 3,09,000, MOEF Rs. 2,38,000, DST & E, Goa Rs. 5,50,000, DST Rs. 25,00,000
Marine Science	Development of improved atmospheric correction procedure and retrieval of ocean parameters, ISRO, Rs. 18,00,000/-. Impact of mining on the Mandovi-Zuvari estuarine system, Department of Ocean Development, Govt. of India, New Delhi, Rs. 24,83,140/- Aerosol characterization over west coast of India for analyzing satellite data, ISRO, Rs. 12,00,000/-. Mobile epibenthic and finfish diversity along the Goa and Vishakapatnam harbor, Ministry of Shipping, Govt. of India, New Delhi, Rs. 5,33,5000/-. Bio-optical properties of coastal waters, between Goa and Kochi, Naval Research Board, Mins of Defence, Govt. of India, Rs. 46,13,210/-.

	<p>Aerosol Radiative Forcing over India (ARFI) Dept of Space, ISRO, Rs.18,00,000/-.</p> <p>Reading Pollution History, paleoclimate and sea level changes from the study of mudflats, Ministry of Shipping, Govt. of India, Rs. 51,75,000/-</p> <p>A study in the estuarine and coastal waters of Eastern Arabian sea Indian National Centre for Ocean Information Service (INCOIS), Rs. 78,38,000/-.</p> <p>Analysis of assimilative capacity of Dahij / Hazira, Mahim / Bassen erases and coastal waters of Mangalore – Study through satellite and in-situ observation, NIO, Rs. 20,00,000/-</p> <p>Validation of OCM –II derived geophysical products of inland waters of Goa and Estuarine Arabian Sea, SAC, Rs. 28,99,840/-</p> <p>Understanding depositional Environments mental concentration and processes through the study of mudflats within Mandovi– Zuari estuarine system, UGC, Rs. 6,86,800/-.</p> <p>Variability of color campus in Estuarine and Coastal regions of Eastern Arabian Sea and its productive potential to Naval Application, NRB, Rs. 61,47,000.</p> <p>Ballast Water Management Programme – India, NIO, Rs. 1,06,44,400/-</p> <p>Algal blooms and its ecological implication on the Coastal waters of Goa and Gujarat, MoEs, New Delhi Rs. 20 lakhs.</p>
Microbiology	<p>(1) DBT-Biochemical characterization of tributyltin chloride (TBTC) resistant bacteria from marine environment of Goa, India and isolation of genes encoding enzyme(s) for TBTC resistance (degradation)</p> <p>(2) MoES- Anoxygenic phototrophic bacterial primary productivity and studies on the endolithic bacterial communities of marine ecosystems</p> <p>(3) Centre of Excellence on nano technology, Goa University under DST nano mission</p>

13. Details of research scholars

Faculty of Languages & Literature	
Hindi	5
French	2
Marathi	7
Faculty of Social Sciences	
Economics	8
Political Science	2
History	3
CLAS	2
Faculty of Natural Sciences	

Chemistry	3
Computer Science	10
Mathematics	3
Electronics	2
Earth Science	3
Faculty of Life Sciences & Environment	
Marine Science	13
Microbiology	30
Zoology	2
Faculty of Commerce	
Commerce	17
Faculty of Management	
Management	13

14. Citation index of faculty members and impact factor

Faculty of Natural Sciences			
Computer Science	Citation=35, impact factor 1.3 to 2.89		
Physics	Average- 2.26		
Electronics	JAP;1.03 RSI; 1.60		
Faculty of Life Sciences & Environment			
Botany	Aggregate impact factor of the publications from the Department for the academic year 2010-2011 is approximately 16.		
Marine Science	Journal Name	Impact	Citation
	Geophysical research letters	2.6	1
	ICES Journal of Marine Sciences-Oxford	1.9	-
	Estuarine Coastal shelf Science 2005	1.7	7
	Estuarine Central shelf Science 2006	1.9	5
Estuarine Central shelf Science 2008	2.07	1	
ISPRS Journal of photogrametry and	2.3	-	
Microbiology	Varies from 0.5 to 2.6, Total IF= 6.5		
Zoology	P V Desai	1 Publication	--
	A B Shanbhag	1	--
	R Roy	3	1.0

15. Honors/Awards to the faculty: National and International

Faculty of Languages & Literature	
English	Dr. K. Budkuley was awarded Konkani Bhasha Mandal's "N. D. Naik Literary Award"
French	Dr Anuradha Wagle and Dr Edith Melo Furtado were both awarded the medals of "Chevalière dans l'ordre des Palmes Académiques". Dr Anuradha Wagle was awarded the medal by His Excellency Jerome Bonnafont, French Ambassador in New Delhi on 28 th July 2009 and Dr Edith Melo Furtado was awarded the medal by the Consul general for France in Mumbai Mr. François Pujolas in Goa on 2 nd May 2010.
Konkani	Prakash Parienkar (Asstt. Professor) was awarded the Sahitya Akademi Children's Literature award for his Konkani play "Igadi Bigadi Tigadi Tha".
Faculty of Natural Sciences	
Computer Science	Dr. V. V. Kamat awarded Senior Fellow IEEE

Electronics	Mr. Jivan Parab, Paper presentation at " VLSI AND EMBEDDED SYSTEM SYMPOSIUM" on 5th February 2010 by VSI India, First place Dr. Rajendra S. Gad, Mentor Graphics Contest 2010, First place Dr. Rajendra S. Gad, "2000 Outstanding intellectuals of the 21st Century 2009/2010" Sponsored and Administered by International Biographical Center, Cambridge, England.
Faculty of Commerce	
Commerce	Prof. B. Ramesh was elected as President of Indian Commerce Association in Oct. 2010.
Faculty of Life Sciences	
Marine Science	<p>Prof. G. N. Nayak</p> <ol style="list-style-type: none"> Member of Goa Environment Protection Council Expert member of Ocean Science & Technology Cell, Ministry of Earth Sciences at Mangalore University. Member of joint Scientific & Technical advisory Committee (JSTAC) for ORV Sager Kanya, RV Sagar Nidhi, RV Sagar Manjusha and Coastal Research Vessels. Evaluator of a dozen Ph.D. Thesis from various Universities. Reviewer for research manuscript for Environmental Monitoring and Assessment, Current Sciences, Indian Journal of Marine Sciences, Journal of Indian Association of Sedimentologists. Received an award Shiksha Rattan Pushkar for the year 2007 from IIFS. <p>Prof. H. B. Menon</p> <ol style="list-style-type: none"> Member of scientific committees on Ocean resources, Ministry of Earth Sciences, New Delhi Reviewer for the Journal of photonirvachak; Journal Geophysical Research letters; Journals of Estuarine Coastal and Shelf science and remote sensing of Environment, Journal of atmosphere Environment, Telus. Developed Algorithms for retrieving case II (Coastal and Estuarine) water constituents and same has been applied to Ocean colour Monitor (OCM) data. <p>Dr. S. Upadhyay</p> <p>Reviewer of Estuarine Coastal and Shelf Science, Proceedings of the Indian Academy of Sciences (Earth Planetary Sciences), Applied Geochemistry, Ambio (Royal Swedish Academy of Sciences)</p> <p>Dr. C. U. Rivonker</p> <p>Reviewer of Aquaculture (Elsevier), Environmental monitoring and pollution monitoring (Springer), Chemosphere (Germany), Journal of Marine Biological Association of India (India), Indian Journal of Marine Sciences.</p>

16. Internal resources generated

Faculty of Languages & Literature	
English	(a) Publication grant received by Dr. K. Budkuley from Directorate of Art & Culture, Goa. (b) Sponsorships received for organizing Students' Literary Fest 'CYNOSURE'.
French	Resources generated through part time Certificate Courses

Faculty of Natural Sciences	
Earth Science	~ Rs. 2 lakh from industrial consultancy
Faculty of Life Sciences & Environment	
Botany	Rs. 48,000 Consultancy
Microbiology	Microbial count before and after fumigation in Bom Jesus Church Old Goa, Pest Control of India Ltd., Goa (Rs.30,798/-)

17. Details of assistance/recognition under SAP, COSIST (ASSIST)/DST, FIST, and other programmes

Faculty of Natural Sciences	
Chemistry	Department have UGC-SAP DRS-II, DST-FIST program phase II, along with DST-nanomission program
Electronics	UGC Innovative program 2007-2012, Rs. 70,00,000/-.
Earth Science	UGC SAP Rs. 20,00,000
Physics	UGC-SAP Rs. 45,00,000; thrust area: Condensed Matter Physics: Materials Characterization.
Faculty of Life Sciences	
Botany	DST-FIST: Rs. 60,00,000 (for 2010-2015), UGC-SAP Phase II Rs. 57,00,000 (for 2009-14)
Marine Science	DST – FIST stage I
Microbiology	UGC fellowship to two meritorious students under Non SAP program.
Faculty of Management	
Management	Department of Tourism, Government of India Rs 200.00 lakhs.

18. Community services

Faculty of Languages & Literature	
English	Sensitizing student and teachers of schools on different issues Testing & counseling school children in the areas such as Career Choices, Motivation, Training on issues like Human Rights. Training programs towards preparation for competitive examinations
French	Vocational Guidance to students Member of Crisis Management Anti-hijack Committee for Goa State. Translation /Interpretation for Goa Police, High Court, Goa Government. Assistance to institutions (eg. Naval Academy, GIM) for French teaching programmes. Editing website for Teachers Association (IATF)
Konkani	Faculty members nominated as member of Goa Konkani Akademi; nominated as subject expert, Official Language Cell, Govt. of Goa. One faculty member edits a Konkani Literary monthly. One faculty member initiated Dnyansagar Kala Sangh's Education Society for imparting quality primary education to children and is actively involved in the school management. As a office bearer of Mhadei Bacho Abhiyan, Goa, since 1998, he has initiated formation of Vanashree, a student's environmental group at village level in the year 2003. He also organizes State Level Annual Nature Expedition programmes to create awareness among the Goan youth.
Faculty of Social Sciences	
Economics	Services to the Academic Community: faculty members on the Executive Committee of the Indian Society of Ecological Economics (INSEE) and were invited as Resource person by the National Institute for Entrepreneurship and Small Business Development for Labour Welfare Officers from Central Labour Service.

CLAS	The Centre undertakes to organize a number of programmes on International Relations to expose students and faculty at the University and others to the latest developments around the world. The Centre has tie-ups with the Public Diplomacy Division, MEA, and other bodies such as the American Centre Mumbai.
C.W.S.	i) Prepared the first draft of the Goa University Policy on Prevention of Sexual Harassment of Women at the workplace. ii) Programmes conducted every year on March 8 to celebrate Women's Day – poster competitions, essay competitions, short film making, skits, screening of movies and discussions. Quiz on Women for schools and another for the general public on 8 March 2011. iii) Inquire into complaints of sexual harassment as Member Secretary, Goa University's Committee for Prevention of Sexual Harassment at the Work Place (2007-present). iv) Annual programmes on rights awareness and sexual harassment at the workplace for students of Goa University. v) CWS is visited often by students seeking guidance on projects related to women.
Faculty of Natural Sciences	
Computer Science	Training of 500 ICT teachers from State of Goa.
Physics	Refresher Courses in Experimental Physics for College teachers, sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and National Academy of Sciences India, Allahabad at Shivaji University, Kolhapur (October 2010) and KIT Bhubaneswar (May 2011).
Electronics	Lecture delivered at Goa Science Centre on developing project in Electronics; invited by District Technical Education board, Goa. Technical committee member on Drug and Food Department, Govt. Of Goa.
Faculty of Life Sciences	
Botany	Outreach programmes; identification, culture collection (Algal and fungal) and herbaria.
Microbiology	Assessment of effect of fumigation on microbial quality of heritage sites.
Marine Science	Common lectures for the benefit of students of higher secondary.
Zoology	Organized exhibitions and video show on Science Day

19. Teachers and officers newly recruited: -

20. Number of Teaching & Non-teaching staff in the Department

Faculty of Languages & Literature	
English	4 teaching, 2 non-teaching staff
Hindi	4 teaching, 2 non-teaching staff
Marathi	3 teaching, 2 non-teaching staff
Konkani	4 teaching, 2 non-teaching staff
French	2 teaching, 1 non-teaching staff
Portuguese	1 Temporary
Faculty of Social Sciences	
Economics	3 teaching, 2 non-teaching staff
History	4 teaching, 2 non-teaching staff
Political Science	2 teaching, 2 non-teaching staff
Philosophy	5 teaching, 2 non-teaching staff
Sociology	3 teaching, 2 non-teaching staff

CLAS	2 teaching, 2 non-teaching staff
CWS	1 teaching, 2 non-teaching staff
Faculty of Natural Sciences	
Chemistry	11 teaching, 7 non-teaching staff
Computer Sc.	7 teaching, 5 non-teaching staff
Earth Science	5 teaching, 3 non-teaching staff
Mathematics	5 teaching, 2 non-teaching staff
Physics	6 teaching, 4 non-teaching staff
Electronics	2 teaching, 1 non-teaching staff
USIC	1 Technicians
Faculty of Life Sciences	
Botany	7 teaching, 4 non-teaching staff
Microbiology	5 teaching, 5 non-teaching staff
Marine Sc	6 teaching, 4 non-teaching staff
Biotechnology	5 teaching, 5 non-teaching staff
Zoology	5 teaching, 5 non-teaching staff
Faculty of Commerce	
Commerce	5 teaching, 2 non-teaching staff
Faculty of Management	
Management	6 teaching, 4 non-teaching staff
Academic Staff College	
ASC	4 non-teaching staff

21. New books/journals subscription proposed by the Department and their value

Sr. No.	Department	No. of Journals	Cost in Rs.	No. of books	Cost in Rs.
1	Biotechnology	4	115105.00	6	10056.00
2	Botany	18	254684.00	95	196221.00
3	Chemistry	2	128568.00	87	184006.00
4	CLAS	12	612223.00	10	17499.00
5	Commerce	23	102852.00	57	42720.00
6	Computer Science	10	233302.00	76	65682.00
7	Economics	22	85431.00	246	149809.00
8	English	2	93075.00	124	95544.00
9	French	13	49402.00	0	0.00
10	Geology	1	5553.00	25	60436.00
11	Hindi	10	260058.00	280	63058.00
12	History	13	7690.00	60	79032.00
13	Konkani	12	61503.00	323	27065.00
14	Management	6	1520.00	77	55380.00
15	Marathi	23	68315.00	99	35124.00
16	Marine Science	12	4960.00	50	221782.00
17	Mathematics	16	570785.00	96	120806.00
18	Microbiology	16	327416.00	43	214866.00
19	Philosophy	7	332713.00	112	103514.00
20	Physics & Electronics	9	164217.00	264	241593.00
21	Political Science	9	158335.00	86	70566.00
22	Portuguese	9	49259.00	0	0.00
23	Sociology	16	93566.00	133	99655.00
24	Zoology	14	218015.00	49	111502.00
25	C.W.S.	0	0.00	12	21941.00

22. The action taken on student feedback on courses /teachers

Faculty of Languages & Literature	
French	Suitable follow-up action has been taken by the concerned teachers.
Hindi	Feedback shared with the teachers concerned for further improvement of syllabus teaching and evaluation. All the courses were revised and some practical components were introduced in a few course.
Marathi	Discussed with the teachers in detail.
Faculty of Social Sciences	
Economics	Feedback is received for all courses taught and is discussed with Teachers and alterations in teaching introduced as and when necessary.
Political Science	Regular feedback is taken by the students on courses and teachers. Based on the student feedback the department has tried to incorporate the following changes as per the feedback. Feedback on courses: i) Demand for field base study/field visits ii) Adding more practical component to study Feedback on Teachers: Teacher specific feedback is incorporated by individual faculty members.
CLAS	A number of courses have been fine tuned and reworked in order to deal with some of the concerns of the students. The Centre is also trying to upgrade the existing infrastructure so as to benefit the students.
C.W.S.	i) Students' request for reading material addressed by scanning relevant material and circulating as a pdf document by email to all students. ii) The student feedback was generally very positive.
Faculty of Natural Sciences	
Chemistry	Feedback was collected from students and was placed/ discussed in the DC meeting.
Mathematics	Feedback data was shown to the faculty members.
Computer Science	Individual teachers were informed.
Physics	Informal feedback provided to the teachers. No formal action taken.
Electronics	Relevant suggestions were made to the concern course instructors
Earth Science	Teachers have been given the feedback forms of the students for their perusal
Faculty of Life Sciences	
Botany	Discussed in the Department Council for necessary action.
Microbiology	Amendments made in the curriculum from time to time on the basis of feedback received from UGC and from outside experts.
Marine Science	The student feedback was placed before department council and was analyzed; accordingly measures were taken for the improvement
Faculty of Management	
Management	The department regularly takes the feedback of students on the course and on teachers. The feedback is communicated to the respective teachers to bring about a qualitative change in the teaching, course contents, evaluation and in developing competencies amongst the students. The feedback is also used to make a decision on continuing a teacher for a course or not, especially contributory teachers.

23. Feedback from stakeholders: The University requires to put in place, a system for collecting feedback from all its stake-holders. At present, only student feedback mechanism is in place.

24. Computerization introduced: For purpose of general administration, admissions and examination results.

25. Infrastructural facilities added in the Department

Faculty of Languages & Literature	
English	Upgrading of the Language Laboratory. (b) Professional camera. (c) Advanced computers for training in Film Editing. (d) Video storage discs.
Hindi	Scanner, overhead projector, computer.
Konkani	Desktops
Marathi	Purchased three Desktops and a printer along with tables and chairs, Electric fitting and internet facilities were also made available for students.
Faculty of Social Sciences	
Economics	Two laptops and one LCD projector.
History	Laser Printer.
C.W.S.	1 Laptop, LCD with screen, Scanner/Printer
Faculty of Natural Sciences	
Chemistry	Equipments such as NMR, LCQR meter, elemental analyser, electrochemical workstation, microwave reactor procured. Elemental analyzer, microwave reactor and electrochemical workstation installed.
Computer Science	PCs and servers purchased.
Physics	Fume Hood and Water Treatment Plant installed.
Electronics	A new computer lab equipped with 10 machines.
Earth Science	Two microscopes procured for Optical Mineral lab and 8 computers systems for the Computer lab.
Faculty of Life Sciences	
Botany	Infra-Red gas analyzer, cooling centrifuge, Rotary evaporator, Temperature regulated water circulator etc.
Microbiology	Ice Flake machine, IEF system
Zoology	Fluorescence microscope
Faculty of Commerce	
Commerce	LCD's and Laptops for class rooms

26. Technology upgradation

Faculty of Languages & Literature	
English	Use of on-line library, AV facilities for class-rooms, special purpose software, sophisticated equipments for course on media studies.
French	Use of LCD for all courses; multimedia tools for teaching and learning French.
Konkani	Use of LCD for all courses.
Faculty of Natural Sciences	
Chemistry	Computer and Internet facility extended to students. Scientific search engine such as SciFinder provided.
Physics	Classrooms with AV facilities.
Electronics	EDA tools of ALTERA and FPGA boards.
Earth Science	Upgrading with the trends in change of technology.
Faculty of Life Sciences	
Marine Science	4 PCs with internet connectivity added.

27. Computer and internet access and training to teachers, non-teaching staff and students

Faculty of Languages & Literature	
English	Students are open to use the facilities available in the Department. Teachers/ non-teaching staff participate in centrally conducted training programmes.
Faculty of Natural Sciences	
Chemistry	All teachers have PCs/ laptops. Access to computational chemistry laboratory.
Electronics	10 PCs for 30 students, 10 hours per week. One PC per teacher. 6 X 6 hours /week of internet connectivity.
Earth Science	Students, non-teaching staff and teachers provided with Internet access available on all computers in the Computer lab and also in the faculty rooms.
Physics	All teaching faculty, non-teaching staff and students have unlimited access to computing and Internet facilities.
Faculty of Life Sciences	
Zoology	Computer room with internet facilities, class rooms with LCD projector and internet facilities.

28. Financial aid to students

Faculty of Natural Sciences	
Chemistry	Chemistry Department Alumni & Faculty Association provides financial help to needy students.
Electronics	Financial aid granted to one student
Earth Science	Financial aid worth of Rs. 24,000/- has been provided to 10 students (under merit scholarship and Tuition Fee exemption schemes) by the university.
Physics	Freeships and Merit Scholarships are available to a few deserving students.
Faculty of Life Sciences	
Zoology	Students avail merit scholarship and student freeships.

29. Activities and support from the Alumni Association

Faculty of Languages & Literature	
Konkani	The Department has Konkani Saraspat Mandal Students Organization since 1992 which organizes literary and cultural activities.
Faculty of Natural Sciences	
Chemistry	Active Chemistry Dept Faculty & Alumni Association. The Association organizes symposia and holds meetings for the benefit of present and ex-students. Financially weak students are supported by the Association.
Electronics	Alumni Association assisted in the organization of Symposium on "VLSI AND EMBEDDED SYSTEM SYMPOSIUM." Hosted a blog of their own at http://guelectronics.blogspot.com
Physics	Regular meetings held with alumni of the Physics Department.
Mathematics	Two meetings were called to establish an Alumni Association.
Faculty of Social Sciences	
CLAS	Although the Centre has no formal alumni association, a number of

	former students of the Centre who are currently in the teaching profession, NGOs, or other respectable organizations, often visit the Centre and interact with the students in order to provide them with information regarding career opportunities.
Political Science	Department coordinates the activities of POLSCAN Goa (Political Science Alumni Network-Goa) and invites the members to the departmental activities.

30. Activities and support from the Parent-Teacher Association: The University Departments do not have a Parent-teacher Association at present.

31. Performance in sports activities by Department students/ staff: About 10-15% students participate in the various sports activities organized by the University. Some of them also represent the University at State/ national level games.

32. Incentives to outstanding sportspersons of Department (students/ staff): Incentives are provided to sports persons as per the conventions and policies of the University which are based on State Government sport policy. These policies exist in the form an Ordinance.

33. Student achievements and awards

Faculty of Natural Sciences	
Physics	Best Poster award at the DAE Solid State Physics Symposium.
Electronics	2 nd place for oral presentation at: "VLSI AND EMBEDDED SYSTEM SYMPOSIUM"; First place for Mentor Graphics Processor Design Award for year 2010.
Faculty of Life Sciences	
Botany	Best Poster Award at National Conference on "Biodiversity Conservation in India: Status and Approaches" Organised by Gopalkrishna Gokhale College, Kolhapur and Indian Women Scientists' Association (IWSA), Kolhapur Branch, (2010). Best Poster Award at National Conference on "Microbial Inoculants" jointly organized by Government College of Arts, Science and Commerce, Quepem, Goa and NIO, Dona Paula, Goa (2010).

34. Activities of the Guidance and Counseling unit of Department (if any)

Faculty of Languages & Literature	
English	Informally, guidance & counseling available in the Department. Formally, if required students are referred to the Central Counseling Facility of the University.
Marathi	The Goa University has been organizing Counseling Session frequently under the guidance of qualified counselor.
Faculty of Natural Sciences	
Chemistry	Department organizes a meeting of freshers and provide necessary counseling and guidance to them. Also Dept. organizes, weekly seminars for the students, during which faculty members constantly guide and motivate the students.
Mathematics	Students were given career counselling on further studies and jobs avenues.
Computer Science	Four or five first year MCA students are allocated to each teaching faculty member for guidance and counseling.
Physics	University has a Guidance and Counseling unit. However, faculty members do offer informal guidance and counseling to the students at the Departmental level as and when required. Faculty members are

	freely accessible to students without prior notice.
Electronics	Career Counselling and Placement Cell has been established in the year 2010.
Earth Science	Teachers take interest in discussing students problems, if any, and advise students on career and studies.
Faculty of Life Sciences	
Botany	Counseling provided through a qualified counselor at the University. Faculty members also review academic performance and provide career guidance.
Marine Science	All faculty members provide counseling and guidance to students.
Microbiology	Student provided guidance and counselling by faculty as and when required.
Zoology	Students provided guidance and counselling by faculty as and when required.
Faculty of Social Sciences	
Economics	Courses guidance and counseling provided on a regular basis. The Department also imparts Guidance and training for UGC NET Exam (with special focus on minorities and SC/ST/OBC students).
History	Guidance and Counseling done by the teachers. An academic Counselor is also appointed.
Political Science	At a more personalized level department caters to specific individual needs of the students. Encourages them to make use of the Counseling facility being offered by the University. Regularly conducts coaching for students for competitive exams.
CLAS	Although the Centre has no formal guidance and counseling unit, the faculty have very generously counseled and guided the students towards possible career opportunities. The faculty members have from time to time coached and guided students for competitive examinations like NET/SET etc.
Faculty of Management	
Management	The Department has started counselling for students of MBA, wherein teachers identify students who need counselling and counsel them on a one to one basis on educational and career related problems. Therapies such as client-centered therapy, empty chair techniques, etc. are being applied.

35. Placement services provided to students: The University organizes a Placement Fair, an annual event wherein about 25-30 organizations recruit students of graduate and post graduate programs. In addition to the centralized placement event, some departments such as Department of Chemistry, Department of Management Studies, Department of Computer Science & Technology, and Department of Commerce also facilitate campus placements for their respective students.

36. Development programmes for non-teaching staff: Non-teaching staff at the University is deputed to participate in training programs organized by government or private agencies. Such training programs are typically organized in the areas of office management and practices, as well as self-development programs.

37. Good practices of the Department

English	<ul style="list-style-type: none"> The Department reviews its course content and teaching regularly and tries to improve its performance. Feedback from students and teachers is used in the initiation, review and redesign of courses.

	<ul style="list-style-type: none"> • The Department has a well-conceived plan for assessing and monitoring student progress continuously. The student assessment procedures and systems are reliable and valid. • The institution is responsive to community needs and conducts relevant extension programmes w.r.t. awareness generation, sensitization, skill-promotion by way of extra-mural educative lectures, public talks, need-based workshops for various segments of society including the marginal. • The institution provides clear information to students about admission and completion requirements for all programmes, the fee-structure and refund policies, financial aid and student support services. • The institution has sufficient and well-run support services to all its students. • Student progression is monitored effectively. • Academic and administrative planning of the Department is in tune with goals and policies of the University. • The Department keenly strives to optimize resource mobilization and plan developmental strategies for students. • The finances allocated by the University are judiciously and effectively utilized. • The Department displays sensitivity to changing educational, social and market demands. • The Department adopts quality management strategies in all academic and administrative aspects. • The Department strives to promote value-based education, social responsibilities and good citizenry.
French	<ul style="list-style-type: none"> • The Department conducts Part-time Certificate Courses open to all sections of the public and at all levels. • Specialized courses in French Conversation, Business French and French for Hotel and Tourism. Specially designed courses offered for some institutions. • Teaching Methodology courses for School Teachers are also held. • Collaboration with the Goa Board of Secondary and Higher Secondary Education, IISER, French embassy, IGNOU etc. • Collaborative Endeavours towards creating opportunities for Goan students and teachers through MoUs. • Cultural activities like Theatre Workshops, Club Cinema, interactions with writers and scholars.
Hindi	<ul style="list-style-type: none"> • Study tours organized to include literary knowledge and provide cultural prospective to the students.
Konkani	<ul style="list-style-type: none"> • Students are encouraged to join the Translation Mission.
Marathi	<ul style="list-style-type: none"> • Visiting faculty and intellectuals invited for the benefit of students and faculty. • Noted intellectuals participate in the National Seminars organized by the Department. • Attempt to attend to the difficulties of students and provide all possible administrative and infrastructural facilities. • Regular participation at State and National level seminars, conferences, symposia.
Faculty of Social Sciences	
Political Science	<ul style="list-style-type: none"> • Facilitating regular interactions and communications between students and faculty members. • Encouraging student participation in celebrating major local, national and international events. • Maintaining separate resource and documentation facilities for

	students as well as other interested groups.
C.W.S.	<ul style="list-style-type: none"> The CWS faculty and staff meet on a regular basis and relevant discussions recorded. CWS staff encouraged to participate in skill building and training workshops.
Faculty of Natural Sciences	
Chemistry	<ul style="list-style-type: none"> Department organizes weekly seminars for students wherein students are trained to face audience and give seminars. Department also gives training/lectures to the students who are interested to answer their NET/SET exams. M.Sc. part-II students are encouraged for Projects/Dissertations.
Botany	<ul style="list-style-type: none"> Freedom of research by keeping labs open for all days. Congenial teaching and research environment. Personal attention to the students. Promotion of communication skills and reading habits. Wireless enabled department. Dissertation programme. Encouragement to participate in seminars, workshops for teachers and students. Willingness to share workload of courses floated by other departments. Emphasis on upgradation of curriculum and pedagogy. Effective use of e-learning programme Moodle. Interaction with industry and society through formal outreach programme of the department.
Computer Science	<ul style="list-style-type: none"> Transparency in evaluation of examination related matters. Transparency in department administration.
Electronics	<ul style="list-style-type: none"> Regular muster roll for students introduced.
Earth Science	<ul style="list-style-type: none"> Good interaction with students, timely conduct of exams, field work and regular up gradation of technology.
Management	<ul style="list-style-type: none"> Student centered pedagogy and industry oriented courses. Courses to develop soft skills in students and also perspective building courses in areas other than management. Mentoring in small groups by faculty. Weekly off (Thursdays) to facilitate industry based learning. Weekly interaction (Saturdays) with all current and potential research scholars to enhance research capabilities and research work. Continuous assessment, open book examinations and transparent evaluation system. Flexible course design based on current industry requirements and student needs, resulting in continuous updation of courses.
Marine Science	<ul style="list-style-type: none"> Vibrant atmosphere due to many research scholars in the department.
Mathematics	<ul style="list-style-type: none"> Regular lectures and assignments. Student friendly atmosphere.
Microbiology	<ul style="list-style-type: none"> Lectures of faculty and senior scientists from premier institutions of India arranged.
Physics	<ul style="list-style-type: none"> The Department has initiated a process of identification of useful courses that students can offer and attain better skills and knowledge. Minor revision of course syllabus from time to time and overhaul of UG and PG courses every 5 years. Student performances are discussed at the Departmental

	<ul style="list-style-type: none"> Council meetings and necessary advice provided to students. Almost all faculty members attend more than one national or international conference annually. Results of M.Sc. projects are often presented at such conferences. Research laboratories well-equipped through funded research projects, UGC-SAP and UGC-Infrastructure programmes. Student progression is monitored effectively. Effective mechanism to use student feedback for quality enhancement.
Zoology	<ul style="list-style-type: none"> Interactions among students, supporting staff and the teaching staff on various issues pertaining to departmental administrations, academic program and social issues.

38. Linkages developed with National/International, academic/research bodies

Botany	NIO, NCAOR, ICAR
Chemistry	Linkages with NIO, Goa, NCL-Pune, Hyderabad University, Ewha Women's University- Korea, Kiel University-Germany, BARC etc.
CLAS	The Centre has MOUs with College of Naval Warfare Mumbai, School of International Studies JNU, New Delhi, and University of Colima, Mexico.
C.W.S.	<ul style="list-style-type: none"> i) Salzburg Seminar, Austria ii) Indian Association for Women's Studies iii) National Commission for Women iv) Goa State Commission for Women v) Zubaan
English	<p>Department is associated with</p> <ul style="list-style-type: none"> --Indian Association for the Study of Australia --Shastri Indo-Canadian Study Programme, New Delhi, --Vishva Konkani Centre, Konkani Language & Cultural Foundation, Mangalore --Sahitya Akademi, New Delhi & Mumbai, --Katha India, New Delhi --International Centre, Goa --Institute Menezes Braganza, Panaji, Goa --Goa Konkani Akademi, Panaji Goa --Konkani Bhasha Mandal, Goa --Tiatr Akademi Goa.
French	<p><u>International</u></p> <p><i>Sorbonne University, Paris (MoU, 2007)</i> <i>Université Stendhal, Grenoble (France) (MoU, 2009)</i> <i>Université d'Aix en Provence (France) (MoU, 2010)</i> <i>Cultural Service of the French Embassy (SCAC) (MoU since 2007)</i> <i>International Association of Quebec Studies (AIEQ)</i> <i>University of Montreal, Canada</i></p> <p><u>National</u></p> <p><i>Indian Association of Teachers of French (IATF)</i> <i>Association of Indian Teachers of French (AITF)</i> <i>Indian Association of Canadian Studies</i> <i>Shastri Indo-Canadian Institute</i> <i>Jawaharlal Nehru University, New Delhi</i> <i>IGNOU, New Delhi</i> <i>IISER Pune.</i></p>
Earth Science	Department has established linkage with the NIO and NCAOR for Guest lectures and for M.Sc dissertation work.
Hindi	1. Sahitya Academy, New Delhi

	<ol style="list-style-type: none"> 2. Central Hindi Directorate M. H. R. D., New Delhi 3. Uttar Pradesh Hindi Sansthan, Lucknow 4. Arvind Pandey Manch 5. Art & Culture 6. Kala Academy 7. Konkani Academy
Konkani	The Faculty members provide their expertise to institutions such as Goa Konkani Akademi, Vishwa Konkani Kendra, Mangalore, Sahitya Akademi, New Delhi, CIIL, Mysore, WRLC, Pune, UPSC New Delhi and UGC, New Delhi.
Management	Goa Management Association (GMA) INS Hamla, Mumbai Hochschule University of Applied Sciences, Ingolstadt, Germany
Marine Science	ISRO and NIO (National)
Microbiology	NIMR, ICAR, NIO
Philosophy	IIAS Shimla
Physics	<p>Bhabha Atomic Research Centre, Mumbai, Indian Institute of Science, Bangalore, Tata Institute of Fundamental Research, Mumbai, Indian Institute of Astrophysics, Bangalore, Central Glass and Ceramics Research Institute, Kolkata.</p> <p>Laboratory of Condensed Matter Physics and Chemistry Chimieparistech, Paris, France Catalysis Research Centre , Hokkaido University, Japan Indian Institute of Science, Bangalore</p>
Political Science	<p>National Human Rights Commission University Grants Commission Indian Council for Social Science Research International Political Economic Society International Political Economic Group</p>
Zoology	NIO, NMR, NCAOR, ICAR

39. Any other relevant information the Department wishes to add.

Botany	Contribution by faculty to the State Government's public policies e.g. the report on welfare scheme for traditional occupations leading to formation of council and provision of Rs. five crores in state budget; contribution to prepare the food processing policy for Goa.
Commerce	Dr. Subhash K. B. received UGC Post-Doctoral Fellowship for the year 2009-2011.
C.W.S.	<p>Papers presented:</p> <ol style="list-style-type: none"> i) 2nd International Congress of Asian Association of Women's Studies (CAAWS), Penang, Malaysia (9-11 December 2010). Paper presented: Impact of Tourism on Nutrition and Health of Women in the host Community: A case Study of Goa, India. ii) 13th National conference of the Indian Association for Women's Studies on Resisting Marginalization, Challenging Hegemonies: Re-visioning Gender Politics coordinated by the Department of Women's Studies, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha (21 - 24 January 2011). Paper presented: Women's Health, Nutrition & Tourism in Goa. <p>Public Lectures in Colleges</p> <ol style="list-style-type: none"> 1. Women's Rights, Govt College, Quepem, 2010. 2. Women's Issues: Rights and Reform, Don Bosco College, February 2010.
Earth Science	Department is engaged in conduct of workshops in Rural Area under

	UGC extension program for creating awareness of Management of Natural Resources and Geoscience Education.
Hindi	Faculty members involved in the review of text books of Goa Board for Std. IX, XI, XIIth. Faculty members involved in translation project of Sahitya Academy and also listed for Hindi Books awards for the year 2007 to 2009.
History	The faculty of the Department involved in coaching for UPSC Examination.
Konkani	Mhadei: Kallantilyan Kagdar, a 412 page Konkani book, an encyclopedic work throwing light on Geography, Social History, Geology, Hydrology, Ecology, Biodiversity, Cultural, Social anthropological facets of the Mhadei river basin, was published by Praksh Parienkar, a member of the faculty.
Management	Trimester System followed for MBA Grades and not Marks Larger Internship Component Credit Courses in Soft Skills Seminar Courses on Contemporary Issues Mock Interviews with Credits Executive Interaction with Credits Courses from Other Disciplines Perspective Building Electives Credit Transfer from Other Institutions
Marine Science	In addition to R & D project, Dept. has also taken up application oriented research. One such project is sponsored by Naval Research Board.

40. Goals that could not be achieved by the end of the last academic year.

Botany	Seeking larger accommodation for classrooms and labs, common room for students. Additional space for instrumentation.
Chemistry	New faculty yet to be recruited.
Commerce	Purchase of Furniture for classrooms and computers for computer lab.
Computer Science	Publications in high impact factor journals.
C.W.S.	Could not undertake proposed activities as an Advanced Centre in view of non-receipt of funds.
English	Faculty could not submit research projects in view of inadequate teaching staff and extension activities.
French	Research work could not be completed due to increased teaching schedules, organization and participation in seminars and other academic and extra-mural activities.
Hindi	M. Phil. Program, Diploma & Certificate courses could not be introduced due to lack of faculty and infrastructure.
History	Seminar on 'History of Goa" could not be organized.
Marine Science	Introduction of two courses - Marine Microbiology and Aerosol Characterization.
Mathematics	No new faculty members could be added.
Microbiology	Application for SAP & FIST-IIInd Phase.
Political Science	Alumni Association could not be made self sustaining Faculty shortage could not be addressed.
Zoology	No new faculty members could be added.

41. Plans of the Department for the current academic year

Botany	Teaching activities: New optional course: Innovative programme: Self
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	<p>financed M. Sc. Course in Plant Molecular Biology and Biotechnology Development programmes: 5 year integrated M.Sc. in Botany and Plant Biotechnology.</p> <p>Infrastructural facilities: Lyophilizer, RT-PCR, Cold room, microscopes etc.</p> <p>Interaction with Alumni/Parents etc. Alumni of Botany students is being formed</p>
Chemistry	<p>a. Teaching :activities: Department plans to start choice based credit system for MSc-II level</p> <p>b. Innovative programmes: Department plans to design and float new innovative as well as interdisciplinary programs</p> <p>c. Development programmes: Plans to motivate faculty members to participate in more faculty development programs</p> <p>d. Seminars/Workshops: Plans to organize UGC-SAP/Dept. sponsored symposium, T.Y. BSc. Symposium for T.Y.BSc. Chemistry students from affiliated colleges in Goa and faculty – alumni meeting.</p> <p>e. Research/IPR/publications: A new research proposal has been submitted to AERB, Govt. of India, funding expected. Plan to get more research grants from UGC/DST etc. Also faculty members plan to submit their research papers to national/international good impact factor journals.</p> <p>f. Library resources/books/journals: Books have been already subscribed to library and ordered. Many new books/editions based on the requirement will be recommended to the library for purchase in near future.</p> <p>g. Infrastructural facilities: NMR equipment will be installed. Besides, other four major equipments will be procured under DST-nano mission project. UV-Visible spectrophotometer under fast track project has been ordered and expected to be installed in the near future.</p> <p>h. Computer /IT related facilities: Plan to provide more computer / internet facilities to MSc-students to write their dissertations/projects etc.</p> <p>i. Community services etc.: One faculty is coordinator of extra mural activities of the University and will organize various activities for the benefit of society.</p> <p>j. Interaction with Alumni / Parents etc: Symposium and meeting will be organized for the alumni students</p> <p>k. Placement activities for students: Plans to attract more industries for the placement of students.</p> <p>l. Additional information if any: Plans to shift completely to the new Chemistry building in this year. Through the constant motivation and training from the Dept faculty members, our students are getting selected at national institutes like IITs/IISc, and also institutions in France, Germany, Italy, Korea, etc. for PhD and Post Doc. positions\programs. Dept efforts will continue to encourage and train the students to take research programs in national and international institutes.</p>
CLAS	<p>a. The Centre plans to continue its M.A./Ph.d. programme in International Studies, and M.Phil./Ph.D. in Latin American Studies.</p> <p>b. The Centre is in the process of setting up a Centre for Geostrategic and Maritime Studies.</p> <p>c. The Centre plans to initiate certain development programmes for its faculty and students.</p> <p>d. The Centre is organizing a Three Day International Conference on "India-Brazil Dialogue" from 28th to 30th October 2011.</p> <p>e. The Proceedings the Seminar will be published in a Book. The book</p>

	<p>will also include other scholarly works from researchers around the globe.</p> <p>f. The Centre intends to completely utilize the funds under University's XI Plan and UGC funds for the CLAS.</p> <p>g. The Centre intends to purchase whiteboards and other basics for the year 2011-12.</p> <p>h. The Centre plans to have a WIFI setup.</p> <p>i. The Centre plans to continue the community services that it already has in place.</p> <p>j. Informal interaction will continue and will attempt to set up a formal database of its former Students.</p>
Commerce	<p>Teaching activities: To introduce non credit courses</p> <p>Innovative programmes: MBA (Financial Engineering)</p> <p>Development programmes: Planning to propose to UGC for a separate Faculty Building</p> <p>Seminars/Workshops: National Conference on Capital Markets & International conferences on Tourism & Travel Management</p> <p>Research/IPR/Publications: Proposed to launch a New Journal</p> <p>Library resource/books/journals: Proposed to buy more Books</p> <p>Infrastructural facilities: Furniture/Equipments/AC/Audio Visual rooms/class rooms</p> <p>Computer/IT related facilities: Computer/Printer/Software</p> <p>Community services, etc: Investor awareness programme</p> <p>Interaction with Alumni/Parents, etc: Planning to start Alumni Association</p> <p>Placement activities for students: Planning to start Placement Cell</p> <p>Additional information if any: Planning to develop Guidance & Counseling Cell for M. Com. & MBA</p>
Computer Science	<p>Research/IPR/Publications: At least one per year</p> <p>Interaction with Alumni/Parents etc: One meeting will be held</p>
C.W.S.	<p>A. Teaching: 1. To offer a new course: Gender Equality and Politics (2 credits) a course outline has already been submitted.</p> <p>2. Plans to initiate MA/Phd Programme in Women's Studies.</p> <p>B. Innovative Programmes</p> <p>3. A tribal food festival will be organized in an attempt to spread age-old knowledge of nutrition and to present eco-friendly tribal food.</p> <p>C. Development Programmes</p> <p>4. A Workshop on Gender Sensitization, Personality Development and Career Guidance for Adolescent Girls of Rural areas of Sanguem Taluka.</p> <p>5. A Seminar cum Training programme on sustainable agriculture and Economic Development for tribal women in Canacona Taluka.</p> <p>6. A Seminar cum awareness for rural women of Sanguem on breast and cervical cancer.</p> <p>E. Research/Publication</p> <p>7. Research on Velip Women and Cultural Identity.</p> <p>8. Research on a Gender Critique of Konkani VCD's.</p> <p>9. A Documentation of various Schemes and Policies for Women and Girl child.</p> <p>10. Publication of Research papers based on CWS UGC Major Research Project.</p> <p>11. Programmes on rights awareness and sexual harassment at the workplace for students of Goa University.</p>
English	<p>a. Teaching activities – To run as diverse Optional Courses as possible.</p>
French	<p>Teaching activities- Introduction of new optional courses with</p>

	<p>emphasis on culture studies and francophone studies. Innovative programmes- Interdisciplinary courses in cinema, art and language. Development programmes- Preparing students for international examinations (DELF/DALF) Seminars/Workshops- Seminar on Quebec/Canadian Studies to be held on 11th October 2011 with a poet, writer and scholar from Montreal, Canada Research/IPR/Publications- Research papers and projects to be completed Library resource/books/journals.- Procuring books for the department. Infrastructural facilities- Setting up of a computer room Computer/IT related facilities- Smart board and related accessories to be ordered. Community services, etc.- Collaboration for kaleidoscope quiz programme in French with Communicare and Prudent Media.</p>
Earth Science	<p>Teaching activities : Introduction new of electives in CBCS. Seminar/Workshops: Two workshops on Rainwater harvesting are conducted in Rural areas under UGC extension activity Infrastructural facilities: Upgradation of Optical Lab Computer /IT related facilities: Planned for networking of all Computers in the Labs. Placement activities for students: <u>With local mining companies</u></p>
Hindi	<ul style="list-style-type: none"> • <u>Development Programme:</u> The Department has planned to introduce M. Phil degree course and a study tour to enhance their knowledge, national social & cultural integrity, preparation of wall paper to improve the literary creativity among the students. • <u>Seminars/workshops:</u> The Department has planned to organize two national seminars in an academic year and to publish translation work of Bakibab Borkar's literature in Hindi for which a translation workshop was organized to translate his Marathi story in Hindi. • <u>Research/IPR/Publications:</u> The Department has planned to publish book, research papers & book review in the National journals/magazines in the academic year 2011-12.
History	<p>Seminars/Workshops: Planned two workshops for the college teachers of History, Local History Seminar (Goa) in collaboration with Directorate of Archives and Archaeology, Govt. of Goa, Seminar on T. B. Cunha in association with T. B. Cunha Trust</p> <p>Research/IPR/Publications: Planned to publish books/articles in volumes, national and international journals.</p>
Management	<p>a. Teaching activities:- The Department has plans to offer Research Methodology course for Ph.D. students.</p> <p>b. Innovative programmes: We propose to design courses (part time and full time) in contemporary management areas and offer the same to the general public through different educational institutes in Goa, and oversee their implementation.</p> <p>c. Development programmes:- Plans to initiate steps to develop executive MBA programme (15 months duration) for industrial units.</p> <p>We would like to take up studies to identify trends in employment at regional, national and global levels as well as micro level studies on citizens' and students' changing career and personal development</p>

	<p>aspirations. The outcomes of these studies will be the inputs for modifications in the curriculum.</p> <p>d. Seminars/workshops:- In line with the broad vision of the University to attain visibility globally while meeting the employment and knowledge aspirations locally, we plan to conduct national workshops, seminars in the thrust areas of Tourism, Entertainment and other industries. We would also like to generate cases from seminars and workshops to add to the experiential learning of students</p> <p>Planned Workshop on "Building Transformational Leaders at Work" in association with SK's and IBS, in August 2011; three workshops on promoting entrepreneurship in youth and women, sponsored by UGC, will also be organized.</p> <p>Goa university is selected to host the prestigious biennial conference of the International Society for the Study of Work and Organizational Values (ISSWOV 2012) in June 2012;</p> <p>Library resources/book:- The Department has plans to subscribe to Industry Database provided by CRISIL, electronic journals provided by Ebsco, and computing software AMOS from SPSS.</p> <p>Infrastructural/ facilities:- Planning to add Videoconferencing Facility in the Department, to facilitate Academic and Executive Interactions, Research discussions etc.</p> <p>Computers/IT related:- The Department has plans to purchase Interactive Boards to facilitate teaching learning process.</p> <p>Interaction with Alumni:- Interaction with alumni: planning to revive the Alumni Meet and to host a conference/ workshop exclusively for Alumni. Proposed to float an alumni association, with formal registration of alumni.</p> <p>Placement activities:- Activities to promote placements need to be initiated for long term association with the organization.</p>	
Marathi	<p>a. Innovative programme: Introduce Moddi and Hallekannad script studies. Seminars/workshops: To organize seminar in collaboration with Sahitya Academy, UGC unassigned grants on the theme of Globalization and Marathi language, Comparative Analysis of Post 1985 Poetry with respect to Sindhi, Gujarati and Marathi language.</p> <p>b. Library resources/books//journals The department is interested in generating rare manuscripts, latest books and journals.</p>	
Mathematics	<p>Teaching activities: Problem solving sessions. Development programmes: Training for talent competitions Seminars/Workshops: Conference planned in December 2012, Workshop for UG students Community services etc. Participation in training programmes for SET/NET, NTSE for school students</p>	
Microbiology	Teaching activities	Implementation of interdisciplinary courses, Invited lectures

	Innovative programmes Development programmes Research/IPR/publications Infrastructural facilities Computer/IT related facilities	Application for SAP and FIST-II Phase Workshop for Faculty of B. Sc, Microbiology Average of 15 publications planned Spectrophotometer, centrifuge, incubator shaker Procurement of more PC's for computer lab
Political Science	<p>Teaching activities: Maintain conformity with new guidelines</p> <p>Innovative programmes: Facilitate inter-disciplinary activities with other Departments by way of special programmes by faculty of other Departments.</p> <p>Development programmes: Extension activities: Under Graduate Political Science Open Day</p> <p>Career guidance sessions for students:- UGC NET, SET, UPSC to be organized Seminars/Workshops: Workshops on themes in Indian Politics proposed</p> <p>Research/IPR/Publications: Proposed in the coming year 3 Chapters in edited book 1 occasional paper 4 articles for publication in journals</p> <p>Community services, etc: Voter sensitization in view of forthcoming elections.</p>	

Part C

Detail the plans of the institution for the next year

Student Feedback & Analysis has been one of the focus areas of the IQAC. During the next year, the University plans to introduce online student feedback and analysis.

Since Goa University is an affiliating University, the IQAC has also planned to utilize the resources of CII-IQ to introduce the concept of quality in education to the colleges affiliated to the University. The IQAC also plans to provide orientation to all affiliated colleges on how to prepare for accreditation, and in self assessment against the seven parameters of accreditation.

Sd/-

Dr. V S Nadkarni
Director, IQAC
Goa University.

Sd/-

Dr. S R Shetye
Vice-Chancellor &
Chairman, IQAC
Goa University