

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC YEAR REPORT 2008-2009

NAME OF THE INSTITUTION

SMT. PARVATIBAI CHOWGULE CULTURAL FOUNDATION'S COLLEGE OF ARTS
&SCIENCE, MARGAO-GOA, 403602

PART A : The plan of action chalked out by the IQAC at the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

1. To enhance use of ICT (Information Communication & Technology) in teaching-learning process.
2. To introduce new courses at various levels.
3. To increase support services for the benefit of the students.
4. To encourage and motivate faculty members to undertake research related activities.
5. To promote sports and curricular activities.

PART B

1. ACTIVITIES REFLECTING THE GOALS AND OBJECTIVES OF THE INSTITUTION

The College was assessed and accredited by National Assessment and Accreditation Council (NAAC), Bangalore, an autonomous body of University Grants Commission (UGC) with a Grade 'A' with Cumulative Grade Point Average (CGPA) of 3.29 out of four.

This achievement has been the outcome of continuous efforts by the Management, Faculty and Students. The management has been liberally funding the up gradation of the College to meet global standards in terms of academics and infrastructure. In the last three years, the College has been entirely refurbished and technology has been introduced on a larger scale.

The staff consistently pursues ongoing development of academic endeavour. As a result, students' performance in academic and non-academic fields has been commendable.

During the following academic year, a new world-class fitness centre and a physiotherapy centre, with state of the art facilities was inaugurated for the benefit of the students, staff and public. To promote the use of technology amongst students, two computer labs with 65 thin client computers were set up for the use of students and staff. The college also established a Human Genetics laboratory. Another innovative endeavour that was started this academic year is the Writing Centre, one of the first in India.

Two faculty members were awarded Ph.D degrees, one M.Phil and 5 staff members submitted research projects to various funding agencies. There were 24 research presentations(appendix I) and research publications at various seminars and conferences by the faculty members.

The Third Year BA results were 89 per cent with 5 distinctions and the third year B.Sc results were 91 per cent with 31 distinctions. The results of post-graduate courses were 100 per cent.

In the field of sport, the College Men's football team won the inter-collegiate competition organised by Goa University. The Men and Women handball team also won the University championship. The Men's College team were runners-up in Tennis and Kho- Kho. Many of our students represented Goa University, State and Nation in sports. There also was significant participation in co-curricular activities where our students won several prizes in various competitions held at institutions around the State.

2. NEW ACADEMIC PROGRAMMES INITIATED

Considering global changes and evolving needs in education, the college started the following courses affiliated to Goa University on self-financed basis:

- (a) B.Sc in Biotechnology
- (b) B.A (Psychology – 3 units)

The Post-Graduate Diploma in Human Genetics and Pathological Techniques was started as an independent self-financed course by the Department of Zoology of this college.

With the objective of linking academics with employability, the college organised a meeting with industrialists. As a result of which, as many as seven short-term value-added certificate courses were started with the aim of providing a professional edge to our students in the job market. Certificate courses in French, Portuguese, Horticulture & Floriculture, Surveying, Business Oriented Competencies and Functional Journalism were started.

The college has also sent a proposal to the University to start a self-financed Post-Graduate Diploma in Geoinformatics from the academic year 2009-10.

2. INNOVATIONS IN CURRICULAR DESIGN AND TRANSACTION:

Members of the faculty have been actively involved in innovatively implementing the new syllabi designed by Goa University for the academic year 2008-09. All the departments were associated with this work. Several departments conducted workshops to discuss the scope and limitations of the new syllabus as well.

The college has proposed a course in Post Graduate Diploma in Geoinformatics. For this course, our faculty framed the syllabus for the approval of the Board of Studies. The syllabi and curricula for the short-term courses were also designed by faculty members of the College.

3. INTER- DISCIPLINARY PROGRAMMES STARTED :

First year B.A./B.Sc students are taught a course in Environmental Studies and Information Technology while the S.Y.B.Sc. students have a Foundation Course programme in Environmental Ethics and Dialectics. S.Y.B.A. students are offered a Foundation Course in Population Studies and Human Rights.

Most of the short-term certificate courses are inter- disciplinary in nature.

5. EXAMINATION REFORMS IMPLEMENTED:

Since the University introduced the semester system, with ISA (Intra-Semester Assessment) and SEE (Semester End Examination) components, two examination committees were constituted to carry out the effective implementation of ISA and SEE. Both committees carry out the duties allotted, which include the collection of question papers, preparation of examination schedules, conducting of examinations, collection of assessed answer sheets and preparation of results. This ensures the smooth functioning of the examination without burdening a certain section of teachers.

Though the University has allowed a flexibility in the conduct of ISA, the college has adopted an uniform pattern for effective functioning of the same.

6. NUMBER OF CANDIDATES CLEARED NET/SET : NIL.

7. TOTAL NUMBER OF SEMINARS /WORKSHOPS CONDUCTED

During the academic year, the college organized two National-level seminars and 8 workshops. The details are as follows:

a. National Seminars/ Conferences : 02

1. The Department of Hindi organised UGC sponsored National Seminar on “**Kaaljayi ki Avdharana Aur Hindi Upanyas**”, on 24th & 25th November, 2008.
2. The Department of Economics organised UGC sponsored National Seminar on “**Contemporary Tourism Development: Issues and Challenges with special reference to Goa**”. 13th-15th Feb, 2009

b. Workshops : 08

1. The Department of Computer Science in collaboration with Agile Foundation and CSI organised a two day workshop on 25th and 26th September, 2009 on **Agile methodology**.

2. The Department of English organised a workshop on **Creative Writing** for students. The resource person was Dr. Kiran Budkuley, Professor of English, Goa University.

3. A one-day workshop on **How to prepare for NET /SET examination for students of geography** was conducted on 16th June, 2008. Prof (Retd.) S R Jog, Pune Univeristy was the resource person.

4. A ten-day Intensive Training Programme in '**Basic Skills in Research**' was organised from 6th to 16th June 2008 by the Department of Geography.

5. A three-day Intensive Training Programme in '**Digital Image Processing**' was conducted from 11th to 13th August 2008 by the Department of Geography.

6. A one-day workshop on '**Enhancement of Geography: Learning and Professional Aptitude**' was organised on 4th December 2008.

7. A two-day workshop on '**Computer based Cartography and DTP**' was organised by the Department of Geography on 9th and 10th January 2009.

8. One day workshop on **Departmental Newsletter** using Adobe CS was organized on 18th Feb, 2009 for the language departments.

7. RESEARCH PROJECTS: 01

Dr. Uma Masur from the department of Botany received a UGC Minor Research Project "***Efficacy of leaf and cells extracts of Dysoxylum Malaburium on Anopheles Stephensi***"

9. PATENTS GENERATED , IF ANY : NIL

10. NEW COLLABORATIVE RESEARCH PROGRAMMES: 01

Dr Uma Masur's research is collaborated with Malaria Research Centre, Panjim - Goa

11. TOTAL RESEARCH GRANTS RECEIVED FROM VARIOUS AGENCIES : Rs 1,39,000/-

(Rupees One lakh thirty nine thousand only)

12. NUMBER OF RESEARCH SCHOLARS : 01

Mrs. Anne Gomes D'Souza in Department of Botany. (Ph.D Programme)

13. CITATION INDEX OF FACULTY MEMBERS AND IMPACT FACTOR :

Six research papers were published and five books were published by the faculty members during the academic year(Appendix I) . This publications have used as a reference.

14. HONOURS /AWARDS TO THE FACULTY

Ph.D. Awarded :

S. No	Name	Department	Title of Thesis	University
1	Dr. Animesh Adhikari	Computer Science	Knowledge Discovery in databases with an emphasis on multiple large databases	Goa University
2	Dr. Gunaji Desai	Konkani	Shennoi Goembabalem Sahitya ani Samajik Chetana	Goa University

M. Phil.

S. No	Name	Department	Title of Dissertation	University
1	Miss Amisha Shirodkar	Botany	A Comparative Study on the effect of Xenobiotics on	Periyar University

			Morphological response of some vegetable crop plants	
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- Dr. Animesh Adhikari submitted his Ph.D. thesis titled “**Knowledge Discovery in databases with an emphasis on multiple large databases**”. His research related work has earned him a place in Marquis “Who’s Who in the World”, Edition 2009.
- Captain Gunaji Desai was awarded long service medal by Director General N.C.C. New Delhi.
- Mr. Hanumant Chopdekar, lecturer, Department of Konkani received Best Script Writer Award in the All Goa Inter-Collegiate One Act Play Competition organized by Kala Academy for his one act play “Kaidi No. 001”.

15. INTERNAL RESOURCES GENERATED.

- a) Self-financed courses : Rs. 25,25,259/-
- b) Add on courses : Rs. 1,99,620/-
- Total amount = Rs 27,24,879/-**

16. DETAILS OF DEPARTMENTS GETTING SAP, COSIST/DST, FIST

ASSISTANCE / RECOGNITION: NIL

17. COMMUNITY SERVICE:

The following were the community outreach programmes carried out by our students:

- a) **Population Awareness Programme** : 100 NSS volunteers participated in World Population Day organised by the Nehru Yuva Kendra.
- b) **AIDS Awareness Programme** : 60 NSS volunteers and two Programme officers participated in AIDS awareness programme organised by “AIDS Control Society”, Govt of India, Goa Unit. A street play on AIDS awareness was also presented by the volunteers for the benefit of the public.
- c) An Eight-day **NSS camp** at Mahalaxmi School, Telaulim- Ponda focused on cleaning the school premises, prepared a volley ball court, AIDS awareness

programme conducted among the villagers and a socio economic survey of the village.

- d) A Blood Donation camp was held in the college in the month of January,2009. 45 members donated the blood.

- e) Post Graduate Diploma in Computers and Educational Technology” (PGDCET) is a two-year, part-time programme, specially designed to train in-service school computer teachers in the state of Goa. This is a Govt. of Goa initiative based on the demand from on contract computer teachers. The objective of the PGDCET programme is to train the teachers in the area of Pedagogy and Information Technology so that they have necessary competencies to carry on following tasks as a computer teacher at school.

The Department of Computer Science has been involved with this programme from the academic year 2008-2009 and has been entrusted with task of training 40-school computer teachers

18. NUMBER OF TEACHERS AND OFFICERS NEWLY RECRUITED:

Teaching : 13

Non-Teaching : 06

Management staff :04

19. TEACHING : NON- TEACHING STAFF RATIO : 2 : 1

20. IMPROVEMENT IN THE LIBRARY SERVICES.

The College Library has a collection of 53,724 titles. It subscribes 64 journals. The college has provided twenty laptops in the library for students’ use. The reading room facility is extended till 10.00 p.m. The library is fully computerized, all books are bar-coded and equipped with electronic technology based library security systems. Accordingly, the following improvements have been implemented:

1. SIMPLIFIED CHECK-IN AND CHECK-OUT MATERIALS: Users can now reserve the book on line and collect the book next day by presenting the I – card.
2. INCREASE IN ISSUE OF BOOKS TO STUDENTS : A student can now borrow twenty books at a time for a period of one week.
- 3.ONLINE DATABASE SEARCHING: The library system is on-line. The user can now access the online library database as well as numerous electronic resources subscribed by the library. The library also provides access to national and overseas library and e-journals.
4. BOOK DROP SERVICE: A book drop box is placed at the library main counter for returning of the library material in the peak working hours.
5. INFORMATION DESK: Staff and students can send all queries related to library at library@chowgules.ac.in

21. NUMBER OF NEW BOOKS / JOURNALS SUBSCRIBED AND THEIR VALUE.

Books (2008-09)

Sr. No.	Source	Amount Spent
1	Out of fee collection	1,41,168.00
2	UGC XIth Plan	41,523.75
3	Career Oriented Courses	10,721.00
4	Self-finance	96,101.75
5.	Sports	11,226.00
	Total	3,00,770.50

Journals (2008-09)

Sr. No.	Source	Amount Spent
1	College Budget	57,835.00
2	Self-finance	39,519.50

	Total	97,354.50
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698 new books were purchased at a cost of Rs. 3,00,770.50 and a total number of 62 journals were subscribed at a cost of Rs. 97,354.50

22. NUMBER OF COURSES FOR WHICH STUDENT ASSESSMENT OF TEACHERS IS INTRODUCED AND ACTION TAKEN ON STUDENTS' FEEDBACK:

The College has continued the student assessment of teachers for all the courses. At the end of the academic year, every teacher is assessed by the students for a course taught by the teacher. Based on the feedback, every teacher prepares an action plan which is discussed at the departmental meeting and subsequently with the Principal.

23. UNIT COST OF EDUCATION (Unit cost =Total annual recurring expenditure (Actual) divided by total number of students enrolled)

a) Including the salary component – Rs.47, 257/- for aided courses and Rs.29,040/- for self financed courses.

b) Excluding the salary component – Rs.4,508/- for aided courses and Rs.21, 299/- for self financed courses.

24. COMPUTERISATION OF ADMINISTRATION AND THE PROCESS OF ADMISSION, EXAMINATION RESULTS, ISSUE OF CERTIFICATES.

The administrative system is fully computerized. All current records and institutional data, including accounts are computerized. The College has its own website providing details of all courses offered, various subject combinations and fee structure. Admissions are done online. Examination related work (results and preparation of marks sheets) is also computerized.

All types of forms ranging from admission form to withdrawal form for faculty and students are now available on the website.

The information on our college website is continuously updated, which includes details of notices, upcoming events, as well as news items concerning our staff and students. The college offers generic email addresses to both staff and students.

The college has outsourced the work of developing a new website and linkages to a Pune based company, Global Nest Solution.

25. INFRASTRUCTURE

The following infrastructural development was undertaken during the academic year 2008-09:

a. Physical Fitness Centre and Rehabilitation & Sports Medicine Centre : The center with its 35000 Sq.Ft. indoor capacity is equipped with sports and recreational fitness facility, featuring cardio equipment, selector machines, Iso kinetic machines, free weights, indoor running track, plyometrics platforms, dot drill mats and Olympic platforms for explosive lifts for elite athletes to recreational gym goers. One of the key component of the center is to train and build athletes using world renowned program BFS.

The sports medicine center is designed to cater to all the sports persons and others who are suffering from all musculoskeletal alignments. It is equipped with x-ray unit to conduct a thorough diagnostics of the athletes as well as other individual who are seeking for pain relieving modalities. The center also has hydro therapy pool to treat those athletes and others who are suffering from lower extremities injuries.

b. New Computer Lab:

The college has two well equipped air-conditioned computer labs, with 65 thin client computers available for the use of the students and staff. The computer labs are in D Block and in the library.

c. The Tiger Studio:

The college is the first educational institution in Goa to have a full fledged studio for video and audio editing and production. The studio has been equipped with two video cameras (Make : Sony 1080 i & HDV), 10 studio lights, 2 MAC machines & 2 window machines with FCP & Adobe Premium Pro for video recording and editing. Sound Forge software has been installed primarily for audio (sound) editing.

d. Human Genetic Lab:

This laboratory is first of its kind in Goa. It has the latest type of equipment for diagnosis, genetic and pathological testing. This includes Olympus Microscope BX-51 supported by Cytovision software (USA) for karyotyping of human chromosomes. Motic Microscope DMBA 300 with motic imaging software for cytological and histological analysis is also in use.

e. Writing Centre

The Writing Centre at the college is one of the first of its kind in India. Extending its availability to students from all disciplines and academic levels, the Writing Centre pro-actively pursues its mission of helping students become more effective and confident writers. The aim is to engage writers in conversation about their ideas and drafts and offer strategies to help them consider options and make effective writing decisions. The premises of the Writing Centre has separate cubicles for its faculty, where one-on-one sessions with students are conducted. There also is a separate and enclosed discussion-cum-conference room with a widescreen 45" LCD TV etc.

26. TECHNOLOGY UPGRADATION

The following technology upgradation was done during the academic year 2008-09

- 1) Two Computer Labs have been established for the benefit of the students and staff.

2) The Office of Information technology purchased 2 IBM Servers for Thin Client-Rack mount CPU,8GB RAM,Xeon X5450@3.0 GHz CPU- Quad Core, RAID 320 SATA HDD (HOT SWAP),Dual LAN 1GB Port, HOT SWAP SMPS -2.

3 one hardware firewall – Fortinet 100A- Port speed 100Mbps for load sharing & firewall was purchased for the purpose of security.

4) New networking was done for Computer Science Building with fiber connectivity from OIT. Managed switches are installed replacing unmanaged switches.

5) New 36U Rack is installed in OIT.

6) 100 Thin client are purchased - Linux, 512 MB RAM , Atomprocessor,512 MB IDE DOM. 65 thin clients have been placed in the two computer labs where as the remaining have placed at various location in the college like staff room, office , library etc.

7) 4Mbps BSNL leased lines.

8) 1Mbps BSNL SADA line from Chowgule Head office.

9) 6 LCD Projectors are put in 6 Classrooms.

10) 4 CCTVs are set in the psychology lab.

11) Windows 2008 server -2 nos purchased.

12) KVM Switch is installed in OIT.

13) Internal DNS server is put for Website browsing.

14) Mail Server is put for St. Joseph School (Chowgule Education Society).

15) UPS with 3 slots installed in OIT for power backup to Computer Lab 1, Lab 2 & GIS Lab.

16) Fiber connectivity is given to Tiger Sports School & Green House.

27. COMPUTER AND INTERNET ACCESS AND TRAINING FOR TEACHERS AND STUDENTS.

The college provides free computer and internet access. Computer training is an ongoing process on the campus. All students admitted to the First Year (undergraduate courses) have to undergo IT training as a part of the curriculum.

The college has developed two computer labs with 65 thin clients for promoting wide usage of computer technology and internet. Many students and staff also bring their own laptops to the college for personal use.

The college also conducted a series of training programmes for newly appointed faculty members on uploading e-learning resources. Apart from this, two workshops, namely on Agile methodology and Computer-based Cartography and DTP for the benefit of students of computer science and geography, were organized.

28. FINANCIAL AID TO STUDENTS

The college provides financial aid to economically deprived students to pay their tuition fees or towards expenses incurred during field trips. This amount is paid out of the Principal's Contingency Fund. The amount spent in this regard was Rs 28,997 /- and the Students' Aid Fund was Rs 12,000/- The total amount disbursed during the year was Rs. 40,997/-

29. ACTIVITIES AND SUPPORT FROM THE ALUMNI ASSOCIATION.

The Alumni of the college collaborated with the NSS unit of the college in organization a blood donation camp. The Alumni of the college is also actively involved in placement activities for students.

30. ACTIVITIES AND SUPPORT FROM THE PARENT – TEACHER ASSOCIATION:

There is no formal parent-teacher association in the college. Nevertheless, parents and teachers come together for the purpose of mentoring the students.

31. HEALTH SERVICES:

The college has an understanding with a hospital located within half a kilometre from the college. Emergency cases are usually referred to this hospital. First Aid kits are available in the college at various locations. The college also has a stretcher and wheel chair in case of emergency to mobilize the patient.

Within the campus the college has a physiotherapy and rehabilitation centre.

32. PERFORMANCE IN SPORTS:

The performance of the college in sports is as follows :

College team performance at the University level.

- a) The Chowgule football (men's) team won the Football championship by defeating Govt. College, Sanquelim at the Intercollegiate Football tournament organized by Goa University.
- b) The College Handball team (men and women) won handball championship at the Inter Collegiate Handball championship organised by Goa University.
- c) The College Cycling team consisting of eight members secured third place at the inter collegiate cycling championship organized by Goa University.

Individual Achievements :

- a) Mr. Krishnanand Naik of F.Y.B.A. won gold medal and was given 'GOA UNIVERSITY SHREE' title in Body-Building.
- b) In weight lifting, Mr. Milton Andrade of PGDCA won gold medal and was given the 'GOA UNIVERSITY IRON MAN' title at the Intercollegiate Power Lifting and Weight Lifting competitions organized by the Goa University.
- c) Mr. Francisco Colaco, Mr. Salvador Fernandes, Mr. Francisco Fernandes, Mr. Elton Santimano and Mr. Elroy Pinto represented Goa State in National Handball Championship in Men's section.
- d) Miss Trima Gomes, Miss Valency D'Silva and Miss Luiza D'Silva represented Goa State in Women's National Handball Championship.

33. INCENTIVES TO OUTSTANDING SPORTSPERSONS

The College has instituted special sports scholarship ranging from Rs. 500 to Rs. 10,000/- for meritorious sports persons. Under this scheme, an amount of Rs. 1,63,000/- was disbursed to 71 students based on their performance.

34. STUDENTS' ACHIEVEMENTS AND AWARDS

1) Senior Under Officer of NCC unit of our college, Ms. Mavis Henriques visited Vietnam in December 2008, under the Youth Exchange Programme (YEP). She was one of the 13 cadets selected from all over India for YEP.

2) Sgt. Rhythm Warik from F.Y.B.Sc. was selected to represent Goa in the Republic Day Parade held at Rajpath, New Delhi on 26th Jan 2009. She was one of the twenty five cadets selected from all over India for the Guard of Honour to the Prime Minister.

35. ACTIVITIES OF THE GUIDANCE AND COUNSELLING UNIT.

The college established a Counseling, Career and Vocational Guidance Centre with the objective of enabling students to develop an all round personality. The Centre conducted training programmes for students on public speaking and communication skills.

The college also signed a MOU with Sangath, a NGO working in adolescence and mental health. Every Thursday a counselor is available on campus from 9am to 4pm to help students, staff and parents obtain guidance. Moreover, training sessions were conducted on topics such as 'study skills', 'decision making', 'choosing a career' etc for the students of various classes.

36. PLACEMENT SERVICES PROVIDED TO STUDENTS:

The Placement Cell of the College provides database of T.Y.B.A./B.Sc. students to the prospective employers such as Tata Consultancy Services, Mumbai; ICFAI, Margao; Indoco Remedies Ltd., Verna; Goa Science Centre, Panjim; Titan Watches, Verna; Azul Mineral Waters, Sankhwal; etc.

As a result of this, 15 students were selected by companies like Satyam, Infosys etc.

37. **DEVELOPMENT PROGRAMME FOR TEACHING & NON TEACHING STAFF**

- a) One day faculty development Programme on **Bloom's Taxonomy** for teaching staff was conducted on 1st August, 2008.
- b) One day faculty development on **Team Building** was organized for the non-teaching staff on 9th April, 2009.
- c) A series of training programmes for newly appointed faculty members was conducted on **mentoring**
- d) One day training for all the newly appointed staff at chowgule Industries limited, Loutolim.

38. **OTHER ASPECTS**

Participation in Extra Curricular Activities

- a) Ms. Shruti Bhathire and Ms. Rochila D'Costa bagged the first place whilst Ms. Farheen Khan and Ms. Aliya Abreu got the second place in a debate competition organised by Home Science College, Porvorim.
- b) Ms. Aliya Abreu bagged the second place in poetry competition organised by C.E.S. College, Cuncolim.
- c) Three of our students, Ms. Deepali Naik, Ms. Priya Kare and Ms. Bhakti Prabhu Malkernekhar received scholarship of Rs. 7000/- each for the academic year 2008-09 instituted by Goa Konkani Academy, a premier government organization, working for the overall development of Konkani language.

- d) Ms. Poorva Gude won the first prize and Ms. Patsmenia D'Costa won special appreciation certificate at the inter-collegiate elocution competition organized by All India Konkani Parishad to commemorate the Golden Jubilee of the formation of All India Konkani Parishad on 8th July 2008.
- e) This year, for the third consecutive time, the college won the Rolling Trophy for the All Goa Inter Collegiate Konkani Poetry Recitation Competition organized by the Konkani Saraspat Mandal, Department of Konkani, Goa University. This year the winning tradition was continued by Ms. Poorva Gude.

Healthy Practices :

- a. **Up-gradation of Technology & Extensive use of ICT** (Information Communication & Technology) in teaching and learning. The whole campus is now wi-fi enabled. There are two computer labs with 64 thin clients for students and staff. The faculty uses multi-media in teaching and the college has also introduced a web-based course management system 'CLAAP' whereby course material i.e. lecture notes, assignments are made available to the students online.
- b. **Faculty involvement in research** : Two faculty members were awarded Ph.Ds and 10 research papers were published during the academic year 2008-09.
- c. **Infrastructural development:** Since the last three years, there has been remarkable infrastructural development on the campus. The new additions to the campus are :
 - (a) Human Genetics Lab
 - (b) The Chowgule Sports & Fitness Centre and the Chowgule Orthopedic & Sports Medicine Centre"
 - (c) Two computer labs
 - (d) Three additional Conference rooms
 - (e) A separate Writing Centre.
 - (f) Tiger's Studio.

- d. **Departmental activities** : Many departments have taken up initiatives to have their own departmental newsletters, celebrate department day and to conduct intercollegiate events. This gives an opportunity to students and faculty to interact and to develop and improve the organizational skills.
- e. **Signing of Memorandum of Understanding** : The college has taken a step forward by establishing contacts with other institutes and organizations for further development. During this academic year , the college signed MOU with:
- i) **Sangath**, (NGO working towards youth development and mental health).The objective was to strengthen staff advisory programme and even psychology and sociology departments in research and related activities. This would be through counseling services, workshops and training programmes.
 - ii) **Centre for Portuguese Language & Culture** : In July 2008, the college inked a Memorandum of Understanding with the Instituto Camoes, Portugal under the Foreign Ministry of Portugal, to establish our Centre for Portuguese Language & Culture (CPLC). The objective of the CPLC is to encourage the learning of Portuguese language and deepen the understanding of Portuguese culture.
 - iii) The department of physical education signed MOU with **Vayam Visionaries and Entrepreneurs** to initiate and to promote archery as a sport in the colleges and schools.Vayam would provide training, camps and tournaments and even supply archery equipments.

ACTION PLAN FOR THE YEAR 2008-2009

1. To further enhance use of ICT (Information Communication & Technology) in teaching-learning process with focus on standardisation of learning resources.
2. To introduce new courses at various levels.
3. To increase support services for the benefit of the students.

4. To encourage and motivate faculty members to undertake research related activities.
5. To promote sports and curricular activities.

CO-ORDINATOR

PRINCIPAL

Place : Margao

Date : 5th April, 2010.

ANNEXURE I

Presentation of papers at Conferences, Seminars, etc.

Within India

- 1) Desai Yatin P. presented a paper in an International conference on **“Magnetic Material and their Applications for 21st century {MMA-21}”** held from 21st to 23rd October 2008 at National Physical Laboratory, New Delhi. Title of paper: **“Permeability of Low Loss $Mn_xZn_{(x-1)}Fe_2O_4$ synthesized using Microwave assisted auto combustion.”**
- 2) Naik G. K. - **Permeability of low loss $Mn \times Zn (1-x) Fe_2O_4$ Ferrites synthesized using Microwave assisted auto combustion**; presented at the International Conference on Magnetic Materials and its Applications for 21st Century, jointly organized by National Physical Laboratory, New Delhi and Magnetic Society of India, during October 21st - 23rd 2008.
- 3) Sawant N. N. presented a paper entitled **“Palolem: Tourism and Occupational – Ecological Changes”** at 9th annual National conference of Punjab Geographers’ at Bhatinda on 8th & 9th Nov, 2008
- 4) Gaikwad S. D. and Ghatage Kishor Y. presented a paper on **“Growth of Kolhapur from Hamlet to City : A Morphological Analysis”** at the National Seminar on “Developmental Disparities in Rural India”, organized by Mouni Vidyapeeth Gargoti on 20th - 22nd November 2008

- 5) Sawant N. N. presented a paper entitled **“Impact of Watershed Management on Cashew Productivity: A Case of Morpirla”** at the National Seminar on **“Developmental Disparities in Rural India”**, organized by Mouni Vidyapeeth Gargoti from 20th - 22nd November, 2008
- 6) Ambli S. M. participated and presented a paper entitled **“Traffic Management Plan for Margao (Goa) using Satellite Images”** at NAGI Conference at Allahabad University, Allahabad from 14th – 21st December 2008
- 7) Kakodkar Sachin B. presented a Research Paper entitled **“The Increasing role of Art and theater in National Service Scheme Activities”** co-authored by Sachin B. Kakodkar and Hanumant C. Chopdekar, at National Level Seminar on **“Recent Issues and Emerging Trends in National Service Scheme”** organised by Mamasahab Mohol Mahavidyalaya, Pune on 20-22 December 2008.
- 8) Sawant N. N. and Dicholkar A. D. presented a paper on **“Mountain Environment and Human Habitation: Goculdem – A Mountain Village in Quepem”** at the National Seminar on **“Mountains, People and Environment”** organized by ‘NEST’ at Dandeli on 22nd to 24th December 2008.
- 9) Naik G. K. : **Preparation and Characterization of nanoparticle Mn-Zn spinel ferrite using thermal and microwave induced decomposition**; presented at Second International Conference on Frontiers in Nanoscience and Technology, organized by Department of Physics, Cochin University of Science and Technology, Cochin-India, during January 03rd -06th, 2009.
- 10) Kakodkar Sachin presented a paper entitled **“Ammonolysis of sec-butyl alcohol over HZSM-5 zeolites of different Si/Al ratios”** at CATSYMP-19 held at NCL Pune, from January 18th to January 21st, 2009.
- 11) Naik G. K. : **Effect of sintering on microstructure, magnetic and electrical properties of Mn-Zn ferrite nanoparticle**; presented at the International Conference on Functional Materials for Advanced Technology, organized by Material Research Centre, Department of Physics, Velammal Engineering College, Chennai Tamil Nadu-India, during January 29th -30th, 2009.

- 12) Veeresh A. V. presented a paper titled '**Biodiversity of Cyanophycean members from the paddy fields of khazan land**', at National conference (NIO, Panjim) on "**Sustainable Management of Agriculture-changing scenario in 21st century**" on 5th -6th February 2009, organised by Department of Botany and Zoology, Dhemphe college of Arts and Science, Panjim in association with Directorate of Agriculture, Government of Goa .
- 13) Veeresh A. V. presented papers at National Symposium on "**Phycology in India: Basic to applied**" held on 12th and 13th February 2009 organised by Department of Botany, Punjab University, Patiala. The titles of his papers were 1) Seasonal variations in the Blue Green Algae from the paddy field of salcette taluka Goa and 2) Blue green Algae from the Rice fields of selected habitat of Goa.
- 14) Sawant N. N. presented a paper entitled "**An Appraisal of Socio-economic status of Pagis – Fishing community of Palolem**" at the National Conference on Extreme Events in Nature and Human Response held at Pune , 20th – 22nd February, 2009.

Within Goa

- 1) Sonia Fernandes attended a national seminar on "**Elections, Cabinet Formation and Party Politics in India**" on 27th Feb 09 organised by Political Department , Goa University, at International Centre, Goa.
- 2) Andrew Barreto attended two seminars organised by the UCTAG on '**Centralization of Goa University**' and 'Semester System - Fifth and Sixth Semester.
- 3) R. V. Patil attended National seminar on Science-Religion dialogue and Social development and presented a paper titled "**Role of Religions in the conservation of Environment**". This seminar was organized on the 9th and 10th January 2009 by C.E.S. College, Cuncolim in association with science-Religion Sangam Goa.
- 4) E. M. Travassos, "**Drivers of Industrialization and the Development of Goa**" at the state level seminar on the topic "Economic Development of Goa" organized by Shri Mallikarjun College, Canacona, Goa on November 29, 2008.

- 5) E. M. Travassos “**Pump-priming the Costing and Pricing Strategies for Sustainable Development of Tourism in Goa**” at the UGC sponsored National Conference on Contemporary Tourism Development Initiatives.
- 6) Debasish Mazumdar, “**Tourism and Terrorism: A Prey-Predator Relationship**” at the National Conference on “**Contemporary Tourism Development Initiatives.**”
- 7) Sawant N. N., Gaikwad S. D. and Ghatage Kishor Y. presented a paper entitled “**Palolem: Coastal Tourism and Environmental Implication**” at the UGC sponsored National Conference on “**Contemporary Tourism Development: Issues and Challenges with Special Reference to Goa**”, organized by Department of Economics, Smt. Parvatibai Chowgule College, Margao from 12th to 14th Feb, 2009
- 8) M. M. Fatarpekar presented a paper on “**Mass Tourism in Goa: Panacea or Slow Poison**” at the UGC sponsored National Conference on “Contemporary Tourism Development: Issues and Challenges with Special Reference to Goa”, organized by, Department of Economics, Smt. Parvatibai Chowgule College, Margao from 12th to 14th February 2009
- 9) Sarita Naik Tari “**Temple Architecture of Pre-Portuguese Goa**” at State level seminar, Government College of Arts, Science & Commerce, July 2008.
- 10) Adsul S. S. “**Marathil Pradeshik Katha**” in National Seminar, Government College, Sanquelim, Goa, 31st March 2009.

ANNEXURE I I

Publications

1. Animesh Adhikari, and P R Rao, "Capturing Association among Items in a Database", Data & Knowledge Engineering 67(3), 2008, pp. 430-443.
2. Ingle S. R. (December 2008): "**Application of Thornthwaite's Concept of Water Balance at Micro-Level in Goa**". Paper published in III Vol 1-3, December 2008, Pgs. 10-19, Maharashtra Bhugol Shastra Parishad, Pune.
3. Sawant N. N.: "**Goa: Demographic Transition and Population Ageing: An insight for Future Demographic Planning**" article published in Punjab Geographer, Volume 4, Oct, 2008 Pp 37-44.
4. Gaikwad S. D. and Pawar C.T. 2008: **Globalization and Indian Horticulture, A Study with special emphasis on Marketing of Table Grapes**, article published in Sawant et. al. **Globalization : Issues and Challenges for India** , edited volume published jointly by department of Geography, Smt Parvatibai Chowgule College, Margao and Indian Institute of Geographers, Pune. Pp 147-161
5. Sawant N. N. and Majumdar Debashish: "**Beach Tourism, Globalization and socio- economic transformation: A case study of Palolem Beach Community – Goa**", article published in Sawant et. al.(ed) **Globalization : Issues and Challenges for India**, edited volume published jointly by department of Geography, Smt Parvatibai Chowgule College, Margao and Indian Institute of Geographers, Pune. Pp 221-235 Sawant, N N. (2008) "**Coastal Tourism versus Local Communities: Change and Perception of Pagis – A Study of Traditional Fishing community of Palolem, Goa – India**" published in 2009 in **The Goa Geographer** Volume V, No. 1, pp – 40- 46
6. Gaikwad, S. D. (2008) "**Mapping the Historical Development of Kolhapur City using Remote Sensing**" published in 2009 in **The Goa Geographer** Volume V, No. 1, pp – 129-135

Books

1. "Usha Panandikar's Travelogue" written by Shri S. S. Adsul, department of Marathi.
2. Shri S. S. Adsul also edited two books entitled "Olinantarchy Oli" and "Trivedh".

3. Mrs. Mitra Borkar published a book in Konkani which consists of translation of French and English short stories in Konkani.
4. Dr. N. N. Sawant et. al. (2009) **Globalization : Issues and Challenges for India**, edited volume published jointly by department of Geography, Smt Parvatibai Chowgule College, Margao and Indian Institute of Geographers, Pune.
5. Mr. H.C. Chopdekar published Konkani play “Kaidi No.001”.

