

# **THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC**

**Report - 2012-13**

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

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Parvatibai Chowgule College is a premier institute in the state of Goa that offers courses in Arts and Science at the Graduate and Postgraduate levels. It is accredited by the National Assessment and Accreditation Council (NAAC) with a cumulative grade point average of 3.29 out of 4.00, the highest for any College in Goa. It has been adjudged as the “Best Affiliated College” by Goa University at the time of its Silver Jubilee in the year 2009. We are proud of the fact that we are the first College in Goa to achieve this status.

Parvatibai Chowgule College was founded in 1962 at Aquem, Margao by late Shri. Vishwasrao Chowgule. Initially, it was affiliated to the University of Bombay. On 19th June, 1986 the affiliation was transferred to Goa University. The College has always been at the forefront in educational innovations. In 1986, the College pioneered computer science education in Goa by starting a Post-Graduate Diploma in Computer Applications. In 2004, the college initiated post graduate courses in Information Technology and Geography. In subsequent years looking at the societal needs, Biotechnology and Psychology were introduced at undergraduate level and Post Graduate Diplomas in Geo informatics and Human Genetics & Pathological Techniques were started. To give a professional edge to students, the college initiated the Honour's Programme from 2010-2011. Today, the College runs a number of undergraduate and post-graduate programmes and courses, some of which are unique in Goa. There are now twenty undergraduate and three post-graduate departments in the College.

The courses offered at undergraduate level in the Arts stream are: *English, Hindi, Konkani, Marathi, French, Portuguese, Economics, Geography, Sociology, Mathematics, History, Philosophy, and Psychology* and in the Science stream: *Botany, Chemistry, Computer Science, Geography, Geology, Mathematics, Physics, Zoology, and Biotechnology*. All these subjects are offered as either six units or three units at the Third Year level.

The Chowgule Education Society has initiated massive infrastructural development at the College, as a result of which state-of-the-art infrastructure is available for curricular, co-curricular, extra-curricular activities and sports.

Infrastructure added over last five years include: science laboratory block, multimedia-equipped auditoriums, classrooms, conference room, Wi-Fi network enabled campus, computer labs, web-based virtual infrastructure for teaching-learning (C-LAAP, C-mail, online library), computerized library, well equipped faculty offices, FIFA accredited football ground with field turf, multipurpose ground, gymnasium and fitness center, sports medicine and physiotherapy center, open-air seating arrangements, new canteen, well maintained rest-rooms, spacious well-laid four-wheeler and two-wheeler parking grounds and new administrative offices. The entire campus and the administrative buildings have been re-engineered. Many of the science departments have research laboratories to carry out extensive and specialized research. Further, Student Support Services, Tiger's Sports School, centralized the College has ventured to provide various support services aimed at providing motivation for the students to excel. These support services include the office of Information Technology, printing facilities and in house stores.

To give international exposure, the College has a Cultural Exchange Programme with various institutes in Sweden. It also invites foreign faculty on the campus. The College has signed Memorandum of Understanding with national and international organisations to collaborate for academic and research enhancement. There is persistent effort by the College to bring significant changes in higher education.

### **Section A:**

Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement.

The IQAC streamlined the following objectives for the academic year 2012-13.

- a. Initiate the process of autonomy.
- b. Adopt new teaching methodologies.
- c. Greater thrust on research and motivate teachers to undertake research projects.
- d. Develop linkages with various institutes , National and International for academic and Outreach Programmes.

- e. Standardise sport practices and formulate policies.

## **Section B:**

### **1. Activities reflecting the goals and objectives of the institution:**

As the College celebrates its “Golden Jubilee” it aims and aspirations for academic excellence has been alleviated and focused onwards autonomy, initially new academic courses, promote research culture and provide opportunity to students for overall development. During the academic year 2012-13 series of activities were organized. Celebrations of the Golden Jubilee Year of the College started with the inaugural function held on 11<sup>th</sup> July, 2012. The Chief Guest for the function was Grand Master Vishwanathan Anand, World Chess Champion. Founders Day was celebrated on 25<sup>th</sup> August, 2012 in the College Quad. The Chief Guest for the function was Geet Sethi, nine times World Billiards Champion and co-founder of the Olympics Gold Quest. As a part of the Golden Jubilee Celebrations, the College organized an ‘Alumini Reunion-2012’ on 15<sup>th</sup> and 16<sup>th</sup> December, 2012.

The Department of Zoology organized a lecture series for the faculty and students from 10<sup>th</sup> to 21<sup>st</sup> December, 2012. The resource person for the series was Prof. Bruce Magun, Oregon Health and Science University, Portland, USA. The lectures were on Geonomics, Proteomics and Cancer Research.

The performance of our College in the examinations conducted by the Goa Board and Goa University was excellent. The College achieved 100% results in T. Y.B.A. and 96.80% in T. Y. Bsc examinations conducted by Goa University. The results of Postgraduate courses were also good, we achieved 70% results for PGDCA, MA-77%, Msc IT-94.73%, and PGDGIS-100% result.

In co-curricular activities, our college won 2<sup>nd</sup> place among 8 Colleges at Goa Fest 2013, College has also won 1<sup>st</sup> place in the All Goa Intercollegiate Elocution Competition and Runners-up at Inter Collegiate event ‘Roots-Goa’s Cultural and Heritage Fest’ and many more. In sports, many students represented state and national level competitions and won many medals.

As the College completed glorious fifty years, there were noteworthy achievements of the students and faculty in various fields of academics, sports and other activities.

## **2. Research project publications and papers presented during the year.**

**(ref. Annexure I)**

## **3. New academic programmes initiated**

### **a) Honours Programme:**

Honour's Programme was initiated by the College in 2010 to enhance the academic and professional edge of the students. The same has been carried over to semester V and VI (third year progression).

The following Honour's Programmes are offered by the departments.

- Chemical Analysis and Quality Management
- Banking & Finance and Economic Journalism
- Advanced Botany
- Wildlife Conservation and Management
- Honours programme in Psychology
- Honours programme in Geology
- Research Methodology in Social Science
- Mass Media and literary studies
- Honours Programme in Computer Science
- Functional Hindi
- Honours in Geomatics
- Honours in Tourism Management
- Writing Skills for Mass Media
- Honours Programme in Konkani
- Honours Programme of Writing Centre.
- Honours Programme of Counselling Centre.

**b) Edusat Programme:**

Department of Geography conducted the EDUSAT based 9th IIRS Outreach Programme on "Basics of Remote Sensing, Geographic Information System and Global Positioning System" from 23rd July to October 2012, organized by Indian Institute of Remote Sensing, Dehradun. Six students from M.A. Geography and TYBSc Geography registered for the course. The course was coordinated by Mr. Vishal Malave.

**4. Innovations in curricular design and transaction:**

The faculty of the departments offering honours programme were involved in formulation of syllabus and curriculum. This curriculum was designed by the faculty with consultation of industry professionals and faculty members of other education institutions.

**4. Inter-disciplinary programmes started:** The Honours Programme is inter-disciplinary in nature. Any student of any class and stream can opt for this programme. There is vertical as well as horizontal mobility.

**5. Examination Reforms implemented:**

The present semester based University examination system has two components

- (a) ISA (Intra-Semester Assessment)
- (b) SEE (Semester End Examination)

- Accordingly, the College has designated a Convener of examinations and two examination committees for effective management of ISA & SEE. Both the 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 smooth functioning of examination without burdening a certain section of teachers. Secondly, all the teachers submit typed question papers which has minimized manual error and enhanced proof reading of the question papers.
- Though the University has allowed flexibility in the conduct of ISA's, the College has adopted a uniform pattern for effective functioning of the same. The College conducts two ISA's in two different formats. The first is a written examination conducted as per a

certain schedule intimated in advance to the students. Secondly, the written assignment follows with a prescribed format of writing.

- The mode of assessment have also changed since the College has adopted new methods of teaching and learning like problem based learning, assignments submission using 'Blooms Taxonomy', presentations and Quiz.
- Display boards of the schedule of the examination and marks allocations for each of the examinations are put at various locations on the campus with the objective of encouraging students to appear for examinations as per schedule.
- Further, at the time of admission, a student's handbook is given which displays the schedule of the examination and marks allocation too. This is essential to ensure students appear for both the ISA's as it is a prerequisite of being eligible for SEE's (Semester End Examinations). Further during the induction programme for the First Year students, a session on examination pattern is conducted.
- Lastly, to have zero error result, the Examination Committee scrutinises individual entries of each paper before the final feeding of the result.

#### **6. Candidates qualified: NET/SET/GATE etc:**

The following are the faculty members cleared NET/SET/GATE etc.

- a. Mr. Andrew Barreto from Department of English cleared National Eligibility Test.
- b. Mrs Sarika Advilkar from Department of Marathi passed National Eligibility Test.
- c. Ms. Judith Noronha from Department of Biotechnology cleared CSIR-NET Exam, 2012.

#### **7. Initiative towards Faculty Development Programme:**

This Program is an ongoing process and College aspires to enhance qualities of teachers in teaching, learning and research. The following faculty development programmes were conducted for the staff.

### **Faculty Development Programmes-09**

Sr.No	Dates	Programmes
1.	10 <sup>th</sup> & 30 <sup>th</sup> May, 2012.	Summer Training Programme in “Geospatial Technologies and its Applications” sponsored by DST, Ministry of Science and Technology, Government of India.
2.	17 <sup>th</sup> July, 2012	Dr. M. Shivalli conducted a session on E-Resources of the library for the faculty.
3.	5 <sup>th</sup> October, 2012	The Department of Biotechnology organized a guest lecture by eminent scientist, Dr. S. Shivaji, Sr. Scientist, Center for Cell and Molecular Biology, Hyderabad on ‘Cold loving bacteria from Antarctica and Arctic: occurrence, survival and usefulness’ Teachers and students from various colleges from Goa attended the programme.
4.	20 <sup>th</sup> October, 2012	Training workshop on “Usage of mind-mapping software” was conducted by the Geography Department in Photogrammetric Lab.
5.	1 <sup>st</sup> December, 2012	The Department of Computer Science organized a state level seminar on “Strategies in Software Release” The resource person was Mr. Praveen Ranjan Srivastava, Department of Computer Science BITS Pilani, Rajasthan.
6.	10 <sup>th</sup> to 21 <sup>st</sup> December, 2012.	The Department of Zoology organized a lecture series for the faculty and students. The resource person was Prof. Bruce Magun from Oregon Health and Science University, Portland, USA. The lectures were on Genomics, Proteomics and Cancer Research.

7.	4 <sup>th</sup> & 5 <sup>th</sup> January, 2013	“The Department of Biotechnology organized a DST-sponsored two day state level workshop on ‘Applications of Bioinformatics’ for teachers and students of Goa working in the field of life sciences.
8.	On 8 <sup>th</sup> January, 2013	The Department of Physics organized a subject based talk on “Physics of Mandovi and Zuari Estuaries” by Dr. S.R. Shetye, Vice-Chancellor of Goa University. This talk was largely attended by students of Physics from our College, faculty members of various departments and neighboring colleges.
9.	28 <sup>th</sup> August, 2012	Writing Centre organized a state-level seminar for teachers entitled: “Challenges & Solutions: Helping ESL Learners”. The key note speaker was Dr. Dee Broughton, senior visiting Fellow from the University of Idaho, USA.

**Here is a list of individual faculty members who attended various courses, exchange programmes , seminars, workshops etc ( refer Annexure I)**

1. Ms. Monica Patil and Mr. Vernal Sequeira attended a three-day Teacher Support Programme conducted by the British Council in Pune in the month of June, 2012.
2. Statistician Kailas Gokhale attended workshop on ‘Research Methodology’ and ‘Use of SPSS package for Data Analysis in Social Sciences’ from 30<sup>th</sup> July to 1<sup>st</sup> August, 2012, organized by the Department of Psychology, Carmel College, Margao.
3. Miss Lizella Cota and Miss Jolene Fernandes along with Mr. Varad Sabnis of history department attended a National Seminar on ‘Golden Goa: Its Culture through the Ages’ on 10<sup>th</sup> August, 2012 organised by Carmel College.
4. Mrs. Sarita Naik Tari and Mr. Varad Sabnis attended a Seminar on ‘Goa’s Heritage’ organised by Dhempe College of Arts and Science in association with the Directorate of Art and Culture, Govt of Goa on 27<sup>th</sup> -18<sup>th</sup> August, 2012



5. Mr. Varad Sabnis presented a paper on 'Dhangar Community of Goa: A Case study of Spatial Relationship' at National seminar on 'Changing Geographies of Natural and Cultural Landscape' held at Parvatibai Chowgule College in October, 2012.
6. Prof. N.G.Rivonkar participated in two days National Conference on "New horizons in Chemistry for the benefit of human race" on 22<sup>nd</sup> & 23<sup>rd</sup> October, 2012, in collaboration with Mumbai University, organized by the Department of Chemistry, Thakur College of Science & Commerce, Kandivali – Mumbai.
7. On 23<sup>rd</sup> October, 2012, Shri. R.V.Patil attended a workshop organised by Department of Philosophy, Goa University to revise and restructure T.Y.B.A. (Sem V & VI) syllabus.
8. Dr. A. V. Veeresh & Ms. Amisha Shirodker Pednekar attended a one day State Level Seminar sponsored by UGC on "Bioinformatics and its Applications" on 29<sup>th</sup> November, 2012, organized by the Department of Botany, St. Xavier's College of Arts, Science & Commerce, Mapusa.

**8. Total number of seminars/workshops/conferences conducted during the academic year:**

- (a) **Seminars/conferences:** During the academic year 2012-13 various seminars and workshops conducted are given below:

**International-01**

- a. Department of Geography organized two-day interdisciplinary International Conference on "Human Migration in South Asia: Patterns, Development and Challenges" sponsored by ICSSR, on 22<sup>nd</sup> & 23<sup>rd</sup> February, 2013. Dr. Wilfred Menezes Mesquita, Commissioner for NRI Affairs, Government of Goa, was the Chief Guest for the inaugural event.

**National-02**

- a. Department of Geography" organized a two-day National Conference on "Changing Geographies: The Dynamics of Natural and Cultural Landscapes" on 12<sup>th</sup> & 13<sup>th</sup> October, 2012. Dr. S. R. Shetye, Vice-Chancellor, Goa University, was the Chief Guest for the inaugural event.

- b. On 7<sup>th</sup> & 8<sup>th</sup> February, 2013 the Department of Botany organized a National Conference on Changing Horizons in Plant Sciences: Spotlight on Environmental Stresses” and “Soil wide-web: A joint venture between plants and fungi” respectively. Resource persons were Prof. Kavi Kishore from the Department of Genetics, Osmania University, Hyderabad & Dr. T. Muthukumar from Root and Soil Biology Laboratory, Department of Botany, Bharathiar University, Coimbatore.

### **State-02**

- a) The Department of Computer Science organized state level seminar on “Strategies in Software Release” on 1<sup>st</sup> December, 2012. The resource person was Mr. Praveen Ranjan Srivastava, department of Computer Science BITS Pilani, Rajasthan.
- b) Writing Centre organised state-level seminar for teachers entitled: “Challenges & Solutions: Helping ESL Learners”. The key note speaker was Dr. Dee Broughton, senior visiting Fellow from the University of Idaho, USA.

### **Workshops-11**

A series of workshops were conducted on various themes.

1. On 14<sup>th</sup> July, 2012 the Career & Personal Counselling Centre conducted a workshop on “Effective Study Skills and Career Guidance” for three Higher Secondary Schools (HSS) in and around Margao.
2. One day Workshop on “Academic Writing” for students of M.A. Geography and PGDGIS on 18<sup>th</sup> July, 2012, coordinated by Dr. Nandkumar Sawant, Department of geography.
3. Career & Personal Counselling Centre organized a state level seminar on ‘Translation in the Global Context’ on 8<sup>th</sup> August, 2012 National and international guest faculty spoke to students on Translation as a career, barriers encountered during translation and the effectiveness of a good translator.
4. Two workshops on ‘Business English’ for students taking the Business English Certificate (BEC) exam were conducted by Writing Centre on 14<sup>th</sup> & 23<sup>rd</sup> August, 2012. The guest person was Prof. Tom Gally.



7<sup>th</sup> Annual VLSI and Embedded System Symposium



Conference on Plant Sciences

5. On 6<sup>th</sup> September, 2012, workshop on “Prevention of Sexual harassment of women at workplace” organised by NSS unit.
6. Department of Geography organized one-day workshop on “Techniques of Map Interpretation” on 6<sup>th</sup> October, 2012, for the students of TY BA.
7. On 2<sup>th</sup> October, 2012 training workshop on “Usage of mind-mapping software” was conducted by the Department of Geography in Photogrammetric Lab.
8. The Department of Biotechnology organized a DST-sponsored two day state level workshop on ‘Applications of Bioinformatics’ on 4<sup>th</sup> and 5<sup>th</sup> January, 2013 for teachers and students of Goa working in the field of life sciences.
9. Two days workshop on “IT Project Management” on 4<sup>th</sup> and 5<sup>th</sup> December, 2012 was conducted by the department of Computer Science for TYBSc and MSc IT students. The resource person was Mr. Kedar M Phadke, who worked as Project Manager/Data Architect, Harvard University, and Cambridge.
10. The Department of Computer Science in association with VLSI Society of India, Goa chapter, organized one day workshop on “Robotics” on 22<sup>nd</sup> February, 2013 followed by 7<sup>th</sup> Annual VLSI and Embedded System Symposium on 23<sup>rd</sup> February, 2013.
11. Career & Personal Counselling Centre organized a workshop on “Preparing for an Interview” was conducted for all college students in January, 2013.

#### **9. Faculties invited as Resource Persons:04**

The expert guidance of our faculty is sought by many colleges within the state as well as country. Our faculties who were invited as resource persons in various educational institutions across the nation are:

1. Mr. Mahesh Matha, Assistant Professor from MSc (IT) was invited by Dnyanprassarak Mandal's College of Arts and Commerce, Mapusa to conduct a workshop on the topic "JavaServer Pages and Servlets" on 9<sup>th</sup> and 10<sup>th</sup> November, 2012. Twenty five students of TYBCA benefited from the workshop.

2. a. Dr. Nandkumar Sawant was invited by 'Sangola Vidnyan Mahavidhyalaya,' Sangola, Maharashtra to conduct a workshop on "Total Quality Management in Education; Role of NAAC and IQAC" on 21st July, 2012.
- b. He was also invited as Plenary Speaker for ICSSR sponsored International Interdisciplinary Conference on "Human Trafficking: Global Efforts to Combat and Challenges", organized by Department of Geography, Darjeeling Government College, Darjeeling, West Bengal, India on 26<sup>th</sup> and 27<sup>th</sup> November, 2012. He presented a paper on "Goa's Coastal Tourism: S3 is Now S4 (Sun, Sand, Sea and Sex)".
- c. Dr. Sawant was invited as a Plenary Speaker for National Conference on "Resource Generation and Livelihood Security in India" organized by Department of Geography, Mahavir Mahavidyaya, Kolhapur on 28<sup>th</sup> and 29<sup>th</sup> January 2013.
- d. He delivered lectures on "World and India: Population Growth and Distribution and the Demographic Transition" at the Institute for Administrative Services, Mumbai University, Mumbai on 4<sup>th</sup> February, 2012
3. a. Dr. Mazumdar delivered a Key note address on 'Challenges before Small Scale and Cottage Industries in the era of Globalization', at the UGC sponsored National Seminar organized by the Department of Commerce and Economics, Prof. Dr. N.D.Patil Mahavidyalaya, Malkapur (Kolhapur) on 3<sup>rd</sup> and 4<sup>th</sup> October, 2012.
- b. He delivered a key lecture in the workshop on, "Relevance of mechanisms design and game theory in modern economic analysis" held at Karnataka State Higher Education Council, Bengaluru, Karnataka on 10<sup>th</sup> January 2013.
4. a. Mrs. Rupali Tamuly, from the Department of Economics was invited by the Directorate of Census Operations, Goa as an expert faculty in Data Dissemination workshop and delivered a lecture on the topic "Household amenities in Goa on 8<sup>th</sup> June 2012.
- b. She also delivered a lecture on Career: Wise and Smart choice to the students of Govt Higher Secondary School of Arts, Science and Commerce in Sanguem and HSS Multipurpose, Borda on 14<sup>th</sup> July, 2012 and 25<sup>th</sup> August, 2012 respectively.
- c. She also delivered a lecture as a resource person on "Household amenities and Housing condition in Goa and India: Comparative study Census, 2001 and 2011" at Data

Dissemination Workshop organized by Directorate of Census Operation on 27<sup>th</sup> and 28<sup>th</sup> December, 2012.

### 10. Research projects-02

The Department of Geography is proud to state that during this academic year, two major projects were awarded to the faculty.

Sr.No	Name of the project	Investigator	Grant	Agency
1.	Goa Socio-cultural Landscapes in post-liberation Era	Dr. Nandkumar Sawant	9.64 lakhs	UGC
2.	“Goa Tourism and Socio-cultural Impacts.”	Dr. Nandkumar Sawant	5.6 lakhs	ICSSR

### 11. Patents generated, if any- NIL

### 12. TOTAL RESEARCH GRANTS RECEIVED FROM VARIOUS AGENCIES:-06

Sr No.	Faculty	Amount (Rs)
1.	UGC Minor Research Project Grant	Rs 1,17,101/-
2.	UGC Major Research Project Grant	Rs 5,11,600/-
3.	UGC Seminars Grant	Rs 24,750/-
4.	UGC 12 <sup>th</sup> plan Grant	Rs 3,18,750/-
5.	ICSSR Seminar Grant	Rs 3,60,000/-
6.	ICSSR Research “Tourism Socio Cultural Implications” project grant.	Rs 2,00,800/-
	<b>TOTAL</b>	<b>Rs 15,33,001/-</b>

### 13. Details of research scholars: Nil

#### **14. Citation Index of faculty members and Impact Factor**

Research papers and books were published by faculty members during the academic year (Appendix II). The details of the books published are given in Annexure II.

#### **15. Honors/Awards to the faculty:-05**

1. Dr. Nandkumar Sawant Head and Associate Professor in the Department of Geography was awarded for '*Public Relations*' on Founder's Day organized by the College on 25th August, 2012 for his outstanding contribution towards branding of the College.
2. Dr. Nandini Vaz, Assistant Professor of Department of Zoology, was awarded for her contributions in research and consultancy.
3. Shri. Dattaprasad Prabhudessai, was felicitated for his excellence in general administration and accounts and Shri. Avinash Kudnekar, was felicitated for best support staff of the College.
4. Dr. Nandkumar Sawant along with his post-graduate student, Ms. Priti Gosavi was awarded 'The Best Paper Award' at the International Seminar on 'Tribal Development' held at Pacific University, Udaipur on 1st and 2nd June, 2012. Their paper titled 'Change and Continuity: An Appraisal of Socio-economic Status and Degree of Satisfaction amongst Velips: A Tribal Community of Goa' will be subsequently published in 'Pacific Business Review,' an International Journal of the University.
5. Shri Hanumant Chopdekar, faculty of the Department of Konkani was awarded Late Meghashyam Naik Youth Literary Award 2012, for his outstanding performance in Konkani literature. He also won prestigious late Savita Sadanand Khanolkar Literary Award 2012 from Konkani Kala Sahitya Kendra, Kudchadem for his drama 'Dam Dama Dam'.

#### **Award of Ph.D. Degrees - 02**

- a) Under the guidance of our faculty Dr. A. V. Veeresh, Ms. Annie F.D'souza E. Gomes was awarded her Ph.D. in Botany on the research topic entitled "Algal Studies on the Diversity and Distribution of Blue Green Algae (BGA) from Selected Paddy Field Habitats of Goa" by Goa University at the Convocation held on 2<sup>nd</sup> February 2013.

- b) The faculty of Chemistry department Dr. Manjita R. Porob was awarded Ph.D Degree in Chemistry by CMJ University, Shillong under the guidance of Dr. Rajesh Kumar Dhull, for Ph.D thesis entitled “Design of Precursors for Chemical Vapour Deposition of inorganic thin films and sol-gel route to oxides”.

**16. Internal resources generated:**

a) Self-financed courses: Rs 62, 52,732 /-

b) Add on courses : Rs1, 98,185 /-

Consultancy Services	Rs 5,09,000 /-
Income from Studios	Rs 11,90,394 /-
<b>Total</b>	<b>Rs 16,99,394 /-</b>

Thus the total income received from a) & b) is Rs 64, 50,917/-

**17. Details of departments getting assistance/recognition under SAP, COSIST (ASSIST)/DST, FIST, and other programmes:** Dr.N. N. Sawant of Department of Geography received assistance from ICSSR for its research projects and Dr. Sangeeta Sakhalkar of Department of Botany received grants from DST.

**18. Community services:**

On 22<sup>nd</sup> Aug, 2012, a Community Outreach Program was conducted for the VIII<sup>th</sup> standard students of Bhatikar Model High School on ‘Drug Use and Abuse’, by the TYBA students which included a skit, song on drug abuse, a power point presentation and a question-answer session for the students to recapitulate the information, followed by charts given to the school for display. The program was highly appreciated by the staff, students and Principal of the school.

A field visit to the Institute of Psychiatry and Human Behavior (IPHB), Bambolim, Goa and to Kripa Foundation, an NGO for Drug/Alcohol De-addiction cum Rehabilitation Centre, Anjuna, Goa, was conducted on 29<sup>th</sup> Aug, 2012 for the TYBA students, to sensitize them to the issues related to the treatment of mentally disordered patients and to introduce them to the working modalities of Kripa Foundation. “Chalo School” programme was launched through street play,



in year 2012-2013 . It is an initiative to motivate students of school towards Waste Management and Environmental Consciousness.

### **NSS:**

This year our NSS unit organized a seven day Annual Special Camp at Government High School, Ambavalli –Quepem, from 21<sup>st</sup> to 27<sup>th</sup> Dec 2012. 77 volunteers and six teachers participated in the camp.

### Projects and other activities undertaken during the camp –

- Cleanliness of school and surrounding village areas.
- Painting school compound wall
- Lectures cum discussions on various subjects by experts
- Competitions and
- Cultural Programmes

### Other activities:

- On 2<sup>nd</sup> October,2012 -- Poster Competition on the following themes
  - 1 Global Warming
  - 2 Population Consumption Style and Technology Relationships
  - 3 How Can I Make My Mother Earth Happy
  - 4 Need for Planned Urbanization

### **\* STATE YOUTH FESTIVAL -2012**

The Directorate of Sports and Youth Affairs- Panaji organized the “State Level Youth Festival 2011” in which volunteers brought laurels for the college. Miss Vaishnavi Pai Cacode secured the second place in the Bharatnatyam competition.

### • **RED RIBBON CLUB –**

A programme sponsored by Goa State AIDS Control Society, the main purpose of which was to motivate youth and build their capacity as peer educators and change agents. Under this

programme following activities were conducted in the college creating awareness of HIV/AIDS.

- a) Rapid Questionnaire and
- b) Group discussion

#### **NCC:**

- We conducted tree plantation activity “Vanamohotsav” on 12<sup>th</sup> August 2012, wherein saplings were planted by the Chief Guest in the college premises and each cadet was given one sapling to plant at their residence.
- On 15<sup>th</sup> August, 2012 we conducted our first Ceremonial Parade. Lt. Vijay Kumar Nazare was the Parade-Commander. Newly enrolled cadets were given “Promise parade Oath”. The cadets were also given ‘Anti-Dowry Oath’ & ‘Anti-Corruption Oath’.
- On 9<sup>th</sup> September, 2012, we organized monsoon trek to Molem. The cadets got the opportunity to explore the natural scenic beauty of the place. The cadets trekked nearly 15 Kilometers.
- On 9<sup>th</sup> December 2012. Inter Wing Quiz competitions were held on this occasion. Infantry wing group represented Kudalkar Prabhav and Supriya Bale who was the winner. The quiz was conducted by Lt. VijayKumar Nazare.
- Conducted our second Ceremonial Parade on 19<sup>th</sup> December, 2012 on Goa Liberation Day. Capt. Gunaji Desai was the Parade -Commander.
- We conducted our third Ceremonial Parade on 26<sup>th</sup> January, 2012. Major Gunaji Desai was the Parade-Commander.
- On 9<sup>th</sup> & 10<sup>th</sup> February cadets will appear for ‘B’ Certificate & on 23<sup>rd</sup> & 24<sup>th</sup> February for “C” Certificate Examinations.

#### **NCC NAVALWING 2012-13**

- Naval Cadets attended the swimming practice at Fatorda swimming pool, in the last week of July and first week of August, 2012.

- Cadets Rahil Manglurkar, Rohan Dalvi, Pruthwiraj Patil, Shiva Hiremath, Ajay Gaikwad and Manjunath Naik attended Pre-Navsainik camp at Mysore during September-2012.
- Cadets attended the firing practice carried out at 3MTR firing range, Navelim with 0.22 mm rifle. Each cadet fired 10 rounds on 3<sup>rd</sup> Sep,2012.
- Twenty five cadets attended the Annual training camp from 8<sup>th</sup>-17<sup>th</sup> Nov 2012, held at St. Anthony High school, Dhuler Mapusa – Goa . In this camp our college was judged “Best Division” and was awarded with rolling Trophy.
- From 20<sup>th</sup> to 29<sup>th</sup> November, 2012, Cadet Shubham M.Shivolkar, Cadet Joel Colaco, P.O Cadet Sureshkumar Kumavat, Cadet Akash Dattaram Kassar & Cadet Saili Gosavi , Cadet Parimal Desai and Cadet Sandhya Samant along with NCC OFFICER Lt Vijaykumar Nazare participated in Sailing Expedition “**Dolphin-2012**” from Dona Paula to Betul & back covering a distance of approx 500 Km in a DK Whaler Boat.
- Cadets also participated actively in many other activities & the report is given under combined report of NCC separately.

### **NCC Infantry Wing**

- 40 cadets attended annual training camp at Paryem Sattari between 16<sup>th</sup> November and 25<sup>th</sup> November, 2012.
- Our cadets won second prize in solo singing competition organized during the camp.
- 30 cadets participated at the march-past organized by Collector, South Goa, on 19<sup>th</sup> December, 2012.
- 25 cadets participated in Community Outreach Program organized on social issues to create awareness in the society.
- Captain Gunaji Desai attended Republic Day Selection Camp held at Doddaballapur, Bangalore between 14<sup>th</sup> November and 23<sup>rd</sup> November 2012. He has been promoted as Major, the highest rank for Associated NCC Officer in Colleges.

**19. Teachers and officers newly recruited:**

<b>Teaching Staff</b>					
<b>Teaching</b>			<b>Self-Finance</b>		<b>Management</b>
<b>Full time</b>	<b>Contractual</b>	<b>Lecture basis</b>	<b>Contractual</b>	<b>Lecture basis</b>	<b>Lecture basis</b>
4	10	21	7	4	2
<b>Non-Teaching Staff</b>					
<b>Non-Teaching</b>		<b>Self-Finance</b>		<b>Management</b>	
<b>Full time</b>	<b>Contractual</b>	<b>Full time</b>	<b>Contractual</b>	<b>Full time</b>	<b>Contractual</b>
2	3	-	4	-	-

**20. Teaching – Non-teaching staff ratio: 48:9****21. Improvements in the library services:**

Apart from the regular services, other services provided by the library are Digital Library, OPAC (On-Line Public Access Catalogue), E-resources, E-books etc.

The Library is also kept open to the public wherein any citizen could avail of the facility of borrowing books by:-

- Using the rare reference collection
- Access to the OPAC (Online Public Access Catalogue) for searching books & journals.
- Students can borrow up to twenty books at a time.

Collection is one of the important functions of a library that supports academic and research work of the students and faculty, staff and other users. Library collection comprises of books, journals, theses, reports, films and other reading material in science, humanities, social sciences and languages.

## 22. New books/journals subscribed and their value

### Books

Sr. No.	Source	Amount Spent (Rs)
1	Out of fee collection	Rs 2,50,000/-
2	Self-finance	Rs 1,03,000/-
	<b>Total</b>	<b>Rs 4,33,000/-</b>

### Journals

Sr. No.	Source	Amount Spent (Rs)
1	Journals	Rs 80,000/-
	<b>Total</b>	<b>Rs 80,000/-</b>

Total number of 600 new books were purchased at a cost of Rs 4, 33,000/-

Total number of 70 Journals were subscribed at a cost of Rs 80,000/-

## 23. Courses in which student assessment of teachers is introduced and the action taken on student 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. The College has started with online assessment from this academic year.

## 24. Feedback from stakeholders:

The curriculum for Honor's Programme, certificate courses and diploma courses were designed after consulting specialists in the subjects / industrialists / potential employers / Institutes etc. Most of the guest lecturers / visiting faculty for these courses are experts in their respective fields

and their inputs and feedback is given due importance for review and redesigning the programmes.

The College has continued with the practice of 'Benchmarking' by visiting esteemed institutes / departments in the country and has adopted healthy practices of the same.

Additionally, feedback from students and academic peers is obtained regularly both through informal discussions as well as from formal feedback sheets in which students responses on teachers and course evaluation are recorded. Informal feedback from parents and the community generally comes through the Staff Advisory Programme. The College has started practice of taking structured feedback from the participants for the conferences/workshops/and training programmes.

## **25. Unit cost of education:**

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

- a) Including the salary component – Rs 1,35,174 /- for aided courses and Rs 58,519/- for self financed courses.
- b) Excluding the salary component – Rs 19,888/- for aided courses and Rs 34,988/- for self financed courses.

## **26. Computerization of administration and the process of admissions and examination results, issue of certificates:**

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

All types of forms ranging from admission forms to withdrawal forms 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.

## **27. Increase in the Infrastructural facilities:05**

Keeping in mind the growing need of space the College has added following buildings to the campus during the academic year 2012-13:

- a) **New Plant Physiology Lab:** Construction of New Plant Physiology Lab of department of Botany during the year 2012-13. It deals with research on bio-chemical and physiological parameters on plants. Lab has facility of growing plants with photo period. The Lab is focussed on stress physiology and associated with enzymatic and non-enzymatic changes in plant system. It has installed equipments like UV-Visual double beam spectrophotometer, Chlorophyll phloroscense detector, Centrifuge Cooling and other equipments like balance ph meters, rotary evaporator etc.
- b) **New 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. Tiger Studio runs many short term as well as advanced courses in Video-Editing, Animation, and Sound-Editing, Photography, Videography, Special Effects and many more similar courses.
- c) **New Computer lab 4:** The new Computer Lab 4 was started in the year 2012-13.
- d) **Analytical Lab Msc Chemistry:** New Analytical Lab, Msc Chemistry was constructed in the year 2012-13.It is used exclusively for students for doing various experiments in chemistry. Lab is installed with various equipments like UV-Visual spectrophotometer, flamephotometer, potentiometer, conductometer, TDS meter, Nephelometer, Turbid meter, spectrometer etc.
- e) **New 400 KVA generators:** Installation of New 400 KVA generator at College premises.



Computer Lab



Research Lab



**28. Technology Up gradation:** The College has always been at the upfront of technological advancement. Various developments have been made to provide State of Art facilities to its students and employees.

- a) 4 CCTV camera installation in the whole campus
- b) 10 KVA UPS
- c) 2 new systems purchased for labs.
- d) Card Project: Under this project 10 mobile sets, 5 Wi-Fi Bluetooth printers and 2 network switch were purchased.

**29. Computer and Internet Access & Training to teachers, non-teaching staff and students:**

Various initiatives were taken to provide technological training to the staff and students of the college. Various workshops for CLAAP training, Latex, SPSS, Interactive Boards, use of INFLIBNET etc were scheduled throughout the year.

**30. 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:

Principal's Contingency Fund : NIL

Students' Aid Fund : Rs 1500/-

Rotary Club : Rs 15,665/-

The total amount disbursed during the year was Rs.17,165/-

**31. Activities and support from the Alumni Association:**

Many of the alumni help the College in conducting Honor's programmes and joint programmes like blood donation.

**32. Activities and support from the Parent-Teacher Association: NA**

### **33. Health services**

The College has an understanding with a hospital located within half a kilometer 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.

The “Chowgule Human Genetic Research Lab.” (CHGRL) provides all pathological services on the campus (Blood tests such as total count, DC, liver profile tests, renal profile tests, Lipid profile tests, blood sugar etc) to all staff, students and the general public. The Disaster Management Cell of the College is well equipped for providing first aid.

**34. Performance in sports activities:** The College promotes sports by providing state of art facilities, scholarships for the outstanding sportspersons. This has enhanced the performance of our students in sports.

#### **Championships in Intercollegiate:-09**

1. The Tiger Sports Club entered its third year in April, 2012 with ten Clubs which are: Football, Basketball, Volleyball, Handball, Cricket, Athletics, Chess, Cycling, Hockey and Tennis. New governing bodies were formed. Regular Annual Weekly Training Programme (AWTP), Annual Weekly Fitness Programme (AWFP), Intramural, Extramural and membership drives were organized throughout the year. Various clubs participated in inter-club, inter-institutional and open tournaments.
2. The Tiger Judo Club participated in Intercollegiate Judo competition organized by Goa University on 3rd and 4th August, 2012 for both Men and Women. Mr. Ayush Singh, FYBA, bagged a silver medal (below 70 KG) and a bronze medal was won by Mr. Nagesh Karpani, FYBA (below 90 KG).
3. The Tiger Chess Club took part in the Intercollegiate Chess tournament at Goa University on 7th and 8th August, 2012. As per tie breaker rules, they were awarded fourth place. This has been their best performance in the last decade.

4. Tiger Athletic Club participated in the Intercollegiate cross country event for Men and Women, on 11<sup>th</sup> August, at Goa University. Mr. George Lugun (SYBA) stood 9<sup>th</sup> in the overall event.
5. Tiger Cycling club of the College Participated in the Intercollegiate Cycling Tournament organized by Goa University and finished as joint Winners with Rosary College, Navelim. They were later adjudged runners up based on tie breaker rules. Mr. Joel Lars Fernandes of T.Y. B.Sc, finished first in the individual category. The club also participated in All India Bicycle Race organized at Vasco and finished runners up in the team category , and Joel Lars Fernandes finished second in the individual category. The club participated in 200 km Tour De Goa event and successfully completed the event. Joel Lars Fernandes finished seventh amongst all the participants.
6. The College Handball team participated and won the Intercollegiate Handball Championship organized by Goa University. They displayed a disciplined game and outsmarted all opponents in the event. The team comprised of Joel F Fernandes(Captain), Clive Almeida(GK), Joshua Coutinho, Gloston Reveredo, Joel L Fernandes, Kevin Fernandes, John Misquita, Malcolm Afonso, Preston Braganza, Muller Gomes, Kallal Maitra and Mouveen Rodrigues.
7. The Tiger Tennis Club participated in the Intercollegiate Tennis Tournament organized by Goa University at B.P.S. Sports Club Tennis courts on January 29<sup>th</sup>, 2013 and lost to Damodar College in the final match. The team comprised of upcoming Tennis players Dryden Rodrigues, Warren Torcato, Fasihuzzama Khan, Reagen Fernandes and Shanice Mazarello.
8. The Tiger Hockey Club participated in the Intercollegiate Hockey championship organized by Goa University and lost narrowly in the semi-final stage of the tournament to Dempo College. They were the defending champions. The team comprised of Ranjeet Gill (Captain), George Lugun, Deepak Wilson D'Souza, Maxson Goes, Valson Colaco, Sameer Soreng, Amit Kujur, Amrit Topno, Santosh Kerketta, Aunchal Upadhyay, T.Philip Raja , Clive S. Fernandes, Ranjit Reang (GK), Joel F Fernandes, Daniel Carvalho and Malcolm Afonso.
9. The Tiger Athletic Club participated in the intercollegiate athletic meet organized by Goa University, and won 4 silver and 5 bronze medals. Shweta Gaonkar of F.Y.B.A (Long

Jump), Valucio Rodrigues of S. Y. B. Sc (High Jump), Ranjit Reang of S.Y.B.A (Javeline Throw), Balchandra Gada of F.Y.B.Sc (Hammer Throw) won silver medals. Balchandra Gada of F.Y.B.Sc also won 4 bronze medals in Relay for 4x400m and Maxson Goes of S.Y.B.A won a bronze medal in 1500m. This has been an improved performance compared to last two years.

### **Individual Achievements:**

#### **Participation in sports at National Level:-06**

- a. Ninoshka Rodrigues of TYBSc participated in the 4<sup>th</sup> West Zone Taekwondo Championship at Pune conducted by the Taekwondo Federation of India and won a silver medal in Poomse and a bronze medal in Kereogi.
- b. Sharmad Mahajan of SYBA participated in the Badminton Intercollegiate tournament conducted by Shree Damodar College, Margao and won the individual championship. Later he teamed up with Gangash Desai, Preston Braganza, Deepak Kumbhar and Kallal Maitra to finish at the quarterfinal stage of Intercollegiate Badminton Tournament organized by Goa University.
- c. Ms Sukanya Chari of SYBA was selected to represent the Goa state Chess team in the National Championships.
- d. Kallal Maitra of F.Y.B.A was in tremendous form this Cricket season, first he proved himself by getting selected for Goa state. Under 19 Team for the Vinoo Mankad Trophy. Later he represented Goa in the Under 19 Inter State Cricket league organized by BCCI and scored two centuries (the only player to score for Goa). Currently he is in contention for Goa under 22 team.
- e. Stanlee Stephen of S.Y.B.Sc participated in the National Karate Championship and won a silver medal. He represented India at the Asian Karate Championship which was held from 8<sup>th</sup> to 12<sup>th</sup> February, 2013 at Kerala, India.
- f. Mr. Joel Fernandes of T.Y.B.Sc was selected for Handball State Team for the National Championship.



Inter Collegiate football Tournament



Golden Jubilee Cup

### **Participation in Sports at International Level: -01**

1. Stanlee Stephen of S.Y.B.Sc ,represented India at Asian Karate Championship held from 8<sup>th</sup> to 12<sup>th</sup> February , 2013 at Kerala,India.

### **35. Incentives to outstanding sportspersons:**

The College management supports the sports students by providing funds to meet the coaching, dietary supplements, allowances, infrastructure, equipment and all the expenses of participation at the district, state and national level. The management also provides extraordinary funds for the organization intramural and extramural sports activities throughout the year.

### **36. Student achievements and awards:-12**

- a. Ms. Antara Bhide won the first prize in the poetry writing competition organized by Konkani Bhasha Mandal. Ms. Sidhi Shet Raikar won second prize in short story writing, and Ms. Gargi Lotlikar got third place in Poetry writing competition at all Goa level.
- b. Ms. Sushmita Pai Kane, Ms. Hycintha Monteiro and Ms. Sidhi Shet Raikar were selected for the Kavita Fest 2013.
- c. Students of Computer Science Department participated in “NOESIS” an intercollegiate technical event held at Rosary College of Arts, Science and Commerce, Margao on 8<sup>th</sup> , 9<sup>th</sup> and 10<sup>th</sup> December 2012.
- d. S.Y.B.A. students of Department of Psychology participated in Psygnus – an intercollegiate event organized by the Post Graduate Department of Psychology of St. Xavier’s College, Mapusa on 12<sup>th</sup> September, 2012. The students were accompanied by Ms. Shweta Mayenkar. They won the third place in the dance competition and third place for presentation of an innovative therapy.
- e. On 15<sup>th</sup> November, 2012, Students of Psychology took part and won the third place in the one day intercollegiate event, ‘Psychozest’ hosted by M.E.S. College, Zuarinagar. The theme for this year was ‘Spirituality and its effect on moral values across age groups’.
- f. Miss Jennifer Angela Furtado, a student of T.Y.B.Sc won the 1st place at an All Goa State Level Essay Competition organized by Ganga-Zuari Academy, on the occasion of

150<sup>th</sup> Birth Anniversary of Swami Vivekananda. She stood first among 30 participants. The competition was held on 8<sup>th</sup> September, 2012 at Museum Hall, Patto, Panaji, Goa. The topic of her essay was 'Re - Defining Success'.

- g. Miss Jennifer Angela Furtado, a student of T.Y.B.Sc won the 1<sup>st</sup> place in Essay Writing Competition, organized by Urban Health Centre, Margao and Miss Gargi Lotlikar won the 2<sup>nd</sup> place in Poetry Competition for the theme "Every Blood Donor is a Hero" in the month of August, 2012.
- h. Ms. Shaunna Marion Fernandes, a student of F.Y.B.A and Ms. Rachel Coelho do Amaral, a student of S.Y.B.A won the 2<sup>nd</sup> and 4<sup>th</sup> place respectively in All Goa Inter – College Elocution Competition on "Effective Administration for Clean and Green Goa", organized by the Directorate of Art and Culture and Mashel Kala Preme at Shree Shantadurga Verlekarin Sabhagraha, Chimulwada - Marcel, on 3<sup>rd</sup> October, 2012.
- i. Ms. Ila Karapurkar, a student of S.Y.B.A won the 1<sup>st</sup> place in the All Goa Intercollegiate Elocution Competition organized by St. Xavier's College of Arts, Science and Commerce, Mapusa. The competition was held on 29<sup>th</sup> January, 2013 at St. Xavier's College, Mapusa. The topic of the essay was 'Ban on Mining: Alternate avenues for Goan Economy'.
- j. 18<sup>th</sup> December: The Department of Sociology were Runners-up at the Inter Collegiate event 'Roots'- Goa's Cultural and Heritage Fest, organized by Fr. Agnel College of Arts and Commerce, Pilar on the 18<sup>th</sup> of December, 2012. The participants of the event were Tina Sequeira, Frazier Colaco, Satya Lourenco, Saloni Gaunekar, Julius Mendes, Johnas Menezes, Harsh Kamat, Kirk Fernandes, Ranjit Reang, Alysia Gomes, Shweta Gaonkar and Angelika Vaz. The students were accompanied by Asst.Prof.Ms.Mozinha Fernandes and Mr.Sachin Savio Moraes.
- k. Mr. Suyog Patwardhan, student, PGDGIS, won the third place in the competition "Kavan Kallzantle" at the 18th Goa Yuva Mahotsav organized by Konkani Bhasha Mandal and Government College, Pernem on 12th and 13th January, 2013

### **37. Activities of the Student Support Services (SSS)**

#### **a. Career and Personal Counselling: (CPCC)**

The Career & Personal Counseling Centre (CPCC) at Chowgule College is into its third year of serving our students, helping them tackle career and personal issues in one –on-one counseling sessions.

Progress of student visits for career and personal counseling at the Centre in the year 2012-13:

Career Counseling sessions: 151

Personal Counseling sessions: 81

Total no of career and personal counseling sessions: 232 as of January, 2013.

#### **Workshops:**

On 14<sup>th</sup> July,2012 the CPCC conducted a workshop on “Effective Study Skills and Career Guidance” for 3 Higher Secondary Schools ( HSSs ) from and around Margao.

An awareness programme was organized by the College from 4<sup>th</sup> to 13<sup>th</sup> December 2012, for 9 HSSs to have glimpse of the College infrastructure and the different courses and facilities offered by our College.

As part of the drive, 9 career guidance sessions were conducted for these students.

A workshop on ‘Preparing for an Interview’ was conducted for all college students in January, 2013. The workshop provided students with techniques on how to prepare for an interview.

#### **Seminar and Career Talk:**

A state level seminar on ‘Translation in the Global Context’ was organized on 8<sup>th</sup> August, 2012. National and international guest faculty spoke to students on Translation as a career, barriers encountered during translation and the effectiveness of a good translator.

A career talk on ‘Entrepreneurship in IT’ was organized by the CPCC on 12<sup>th</sup> December, 2012. Mr. Milind Prabhu ( CEO of Genero Info Tech) spoke to students about the enormous growth potential in the field of entrepreneurship.



#### Event – Mind Matters:

As a part of the Golden Jubilee Celebrations of the College, a two day Inter-collegiate event was organized by the Centre on ‘ Mind Matters’, on 31<sup>st</sup> August and 1<sup>st</sup> September, 2012. Five colleges participated in the event. The guest speakers of the event enlightened students on health and wellbeing. Different activities like poster competition, newspaper rollback, mindbenders and mind quiz were a part of the event. St Xaviers bagged the 1<sup>st</sup> place while Chowgule Tigers bagged the runners- up trophy.

#### Courses:

The Counseling Centre launched its Honours programme during the academic year 2012-13. A course on Appreciating Modern Art was organized under the Honours programme in July, 2012. Mr. Apurva Kulkarni, an eminent artist, imparted knowledge to students on appreciating different forms of art by world famous artists.

We commenced our 2<sup>nd</sup> course under the Honours programme in January ,2013. The two courses conducted under the programme were ‘Appreciating Western Classical Music’ and ‘Appreciating Indian Classical Music’. The courses were conducted by Mr. Schubert Cotta and Dr. Alka Deo Marulkar respectively. We were privileged to have the faculty of international standing.

#### Personal Grooming course

A three day course on ‘Personal Grooming’ was conducted for students during vacations.

Course faculty, Ms. Harshita Saxena, taught students aspects of grooming, lifestyle management, telephone etiquettes, posture, personality, enhancement etc.

#### Career Camp:

A three day career camp for 9<sup>th</sup> and 10<sup>th</sup> Standard students from Goa was organized by the CPCC.

**38. Placement services provided to students:** During the year following companies have visited the College for Campus recruitment :

<b>Sr.No.</b>	<b>Companies Visited</b>	<b>Number of students selected</b>
1.	Mahindra Satyam	6
2.	Karma Royal Group, Goa,	63
3.	Grove mark Methods Pvt. Ltd.: Cosmetic Company Located in Verna – Goa,	14
4.	STP Limited Chemical Company, Goa,	1
5.	IFB	5
6.	Infosys BPO	25
7.	Wipro Technologies	7
8.	Caculo Group	0
9.	Altisource	10
10.	Bajaj Alliance	0

During the year 68 students got permanent job offers from different companies out of the 226 students who applied. The percentage of students who got job offers among the ones who appeared for the interviews is 30.08%

**39. Development programmes for non-teaching staff :** OIT organised workshop on 23<sup>rd</sup> November,2012 on “Use of OIT resources” includes Basic of Ms Office, Use of Scanner, printer, Introduction to social networking sites etc.

Workshop on Use of OIT resources



#### **40. Linkages developed with National/ International, academic/research bodies:**

The College has several international and national co-relations for academic and cultural exchange. The College continues to have collaboration and linkages with institutes as listed below and subsequently two more Memorandum of Understanding were signed.

##### **International linkages:**

- University of Sussex, UK
- Waseda University, Tokyo (Faculty Exchange Program)
- Sophia University, Japan for teaching (Faculty Exchange Program)
- Tullinge Gymnasium, Sweden (Student Exchange Program)
- Sodra Latins Gymnasium Stockholm, Sweden (Student Exchange Program)
- University of Porto, Lisbon for teaching.
- Institute of Cervantees, New Delhi for teaching of Spanish.

##### **National Tie-ups:**

- National Institute of Oceanography (NIO) Dona Paula - Goa for teaching and research.
- National Centre for Antarctica and Ocean Research, Vasco, Goa.
- Transverse Technologies, Verna –Goa for training, skill development and apprenticeship.
- TERI - Tata Energy Research Institute, Goa.
- Hospitals; Dr. Raikar's Pathology Lab; 'Labplus' pathology lab, Margao, Goa and Piramal Diagnostics and Dr. Hema Purandarey's Centre for Genetic Health Care, Mumbai.
- Gogate – Joglekar College, Ratnagiri for academics and research.
- Department of Geography, Rajasthan University, Jaipur for academic linkages.

## **Section C**

### **1. Outcomes achieved by the end of the year 2012-13**

Continuous perseverance to excel in academic, research and overall-development in the faculty and students can be gauged through the achievements.

The outcome for the following outcomes:

1. **Enhancement of research culture:** Two major research grants were sanctioned by University Grants Commission and Indian Council of Social Science Research of 9.16 and 5.65 lakhs respectively. A series of interactive workshops were conducted for “How to write Research project” and subsequently far major research project and three minor research project proposals were sent to respective funding agencies. The faculty published several research papers and also presented their research findings in conferences and seminars.

2. **Inter nationalization of the Institute:** As a part of our vision, to give global exposure, the College had on campus foreign faculty, to deliver series of lectures, signed MOU with international University and institute and College continued its faculty Student Exchange Programme with Japan and Sweden.

3. **March towards Autonomy:** The College had submitted its proposal for autonomy in 2010. Goa University drafted ordinance recently, due to which the College had to re-submit the same. Accordingly, the College formulated Board of Studies and started working on structure and syllabus.

4. **New methodologies in teaching-learning:** The College has always been proactive in adopting new methodologies in teaching and learning. This year ‘Problem Solving Based Learning’ was adopted by few departments. Thus College is experimenting new methodologies of teaching – learning more focused.

5. **Canvas of Activities:** As a part of Golden Jubilee celebrations, a series of activities were organized, ranging from alumini meet, ex-faculty evening, founders day, departmental lecture series etc.

## **Section D**

### **Action Plan for the next academic:-**

- a. Develop system to adopt successful autonomy.
- b. Explore new teaching methodologies and conduct research on their effectiveness.
- c. Initiate multiple student –related activities.
- d. Enhance academic and research amongst faculty and students.

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CO-ORDINATOR

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PRINCIPAL

Place: Margao

Date:

## **Annexure – I**

### **Workshops/Seminars Attended:-09**

1. Prof. N.G.Rivonkar of Chemistry department attended a two hour session conducted by former Principal Shri V. R. Shirgurkar, on 15<sup>th</sup> December, 2012 to highlight the changes brought about by NAAC in the new guidelines for reaccreditation of Institution and also the expectations of the NAAC at the time of peer team visit.
2. Dr. Nandkumar Sawant attended two-day workshop on “Dissemination of Census Data” organized by Census Department, Government of Goa on 27<sup>th</sup> & 28<sup>th</sup> December, 2012.
3. Dr. Uma Masur attended the two days State Level workshop by DST, Goa on “Applications of Bioinformatics” from 4<sup>th</sup> to 5<sup>th</sup> January, 2013 and organized by the Dept. of Biotechnology, Parvatibai Chowgule College of Arts & Science, Margao.
4. Danica Menezes presented a Research paper titled: “Imparting Entrepreneurial Education in Higher Learning, an Employability Perspective”, at a National Seminar cum workshop on Education for Social Change at Xavier’s Centre for Historical Research in collaboration with Nirmala Institute of Education on 18-19<sup>th</sup> January, 2013.
5. Dr. R. Kanchana attended a seminar on ‘Recent advances in Biodiversity, Bio-Prospecting and Plant Biotechnology’ on 24<sup>th</sup> January, 2013 at Goa University.
6. Ms.Diana Estrocio, attended a seminar on ‘Recent advances in Biodiversity, Bio-Prospecting and Plant Biotechnology’ on 24<sup>th</sup> January, 2013 at Goa University.
7. Dr. S. G. Sankhalkar, Dr. Uma A. Masur & Ms. Devika Sinai Priolkar attended one day’s seminar cum workshop on "Recent advances in Biodiversity, Bio Prospecting and Biotechnology" on 24<sup>th</sup> January, 2013 organized by the Department of Botany, Goa University, Goa.
8. Mrs. Sarita Naik Tari and Varad Sabnis attended a National Conference organised by Konkan Itihas Parishad on 2<sup>nd</sup> -3<sup>rd</sup> February, 2013.
9. Dr. Devashish Bagchi was invited as a Chief Guest for UGC National Seminar in Physical Education by Mathubai Garware College for Women, SANGLI.



## **Presentation of papers at Conferences, Seminars, etc.**

### **International:-01**

1. Dr. Nandkumar Sawant presented a paper on “Globalization, Beach Tourism and Socio-economic Implications: A Study of Selected Destinations of South Goa, India” at the 5th National Geography Conference (NGC), 2012 at Department of Geography, University of Kelaniya, Sri Lanka, on 10<sup>th</sup> and 11<sup>th</sup> August, 2012.

### **National:-05**

1. Dr. G. K. Naik, Department of Chemistry, presented a paper on Lattice Contraction, Magnetization Enhancement, Resonance Frequency Variation and Microstructure Evolution on Heating Nanoparticle Ni<sub>0.55</sub> Zn<sub>0.45</sub> Ferrite; at the International Conference on the theme ‘Nanotechnology-Innovative Materials, Processes, Products, and Applications’, ‘NANOCON 2012’ organized by College of Engineering, Bharati Vidyapeeth University, Pune, India.
2. Dr. G. K. Naik, presented a paper on Sintering Effect on Structural and Magnetic Properties of Ni<sub>0.6</sub>Zn<sub>0.4</sub>Fe<sub>2</sub>O<sub>4</sub> Ferrite; at the 57th DAE Solid State Physics Symposium 2012 (DAE-SSPS 2012), organized by BARC-Mumbai, at Indian Institute of Technology- Bombay, Mumbai from 3<sup>rd</sup> to 7<sup>th</sup> December, 2012.
3. Dr. D. Mazumdar presented a paper titled, “The issues of Government Health Care Program: A case study in Goa”, at the National Conference organized by P.G.Department in Economics, Tumkur University, on the topic, “Economic Paradigms of Health Care in India: Issues and Challenges”, held on 11<sup>th</sup> May, 2012.
4. Mr. Suyog Patwardhan, student of PGDGIS presented a paper on “*Alteration of Land Cover Pattern : A Case study of Coastal Belt, Ratnagiri*” at the XXIX National Level Conference on “Sustainable Rural Development with Inclusive Approach” organized by Maharashtra Bhugolshastra Parishad, Pune (MBP), Pune, from 3<sup>rd</sup> to 5<sup>th</sup> December 2012, held at Shri Shiv Chhatrapati College, Junnar, Pune.
5. Mr. A. Ashish ,presented a paper on “Evaluation of Morphometric Characteristics of Vaitarna and Vashishthi Drainage Basin, Maharashtra, India” at the XXV National Silver Jubilee Conference of Indian Institute of Geomorphologists (IGI) on “Upgrading

Technologies and Degrading Earth's Environment: Reality or Myth" from 22<sup>nd</sup> to 24<sup>th</sup> December 2012, organized by Department of Geography, University of Allahabad.

**State:-05**

1. Mr. Sachin Savio Moraes presented a paper titled "The Hand that Rocks the Cradle slogs till her grave", at the two-day National Seminar on Women Empowerment: Changing Perspectives in Changing Times, organized by the Abbé Faria Post Graduate Department of Psychology of St. Xavier's College of Arts, Science and Commerce, Mapusa.
2. Mr. Sachin Savio Moraes presented a paper titled "The Imaginary concept of Mother Tongue and the Hegemony of the State: A need to involve all the stake holders in the decision making process in Goa", at the two day National Seminar cum Workshop on 'Education for Social Change', organized by the Xavier Research Centre and the Nirmala Institute of Education.
3. Nitesh Ugavekar presented a paper on "Beach Tourism – Cultural Change and Identity – A Comparative Study of Two Fringe Tourist Destinations – Palolem and Arambol, Goa" at the National Conference on "Changing Geographies: The Dynamics of Natural and Cultural Landscapes", organized by Department of Geography of Chowgule College on 12<sup>th</sup> and 13<sup>th</sup> October, 2012
4. Ms. Shweta Mayenkar presented a research paper titled 'A Comparative Analysis of Mental Health of Working and Non-Working Women', at the 2 day National Level Seminar on 'Women Empowerment: Changing Perspective in Changing times', organized by the Abbe Faria PG Department of Psychology, St. Xavier's College, Mapusa, Goa on 24<sup>th</sup> August, 2012.
5. Mrs. Kavita Borkar and S.Y.B.A. student, Ms. Swati Prabhu, presented a theoretical research paper titled "Balancing Relationships and Pressures of Life" at the National Seminar on Counselling Strategies for Enhancement of Physical and Psychological Wellbeing (Phase II) on 7<sup>th</sup> September, 2012, organized by the Department of Psychology and Physical Education, M.E.S. College of Arts and Commerce, Zuarinagar.

## ANNEXURE II

### BOOK PUBLICATIONS :6

1. Adsul S.S. (2013) “**Gomantakiya Marathi Sahitya: Akalan Ani Aswad**” *Shabdhalay Publication- Shrirampur*. ISBN: 978-93-80617
2. Adsul S.S. (2013) “**Gomantakiya Marathi Sahitya: Ashay Ani Avishkar**”, *Lokvangmai Grah*, Mumbai.
3. Adsul S.S. (2012) “**Irssal**” *Nirmiti Prakashan*, Kolhapur on December 2012. ISBN: 978-93-82028-16-1
4. Adsul S.S. (2012) “**Sathat Sobat**”. *Nirmiti Prakashan*, Kolhapur ISBN: 978-93-82028-15-4.
5. Fernandes N. V. (2012) “**Study of Congenital Malformations**” *Lambert Academic publishers*, Germany, USA and UK. ISBN No. 978-3-8473-1489
6. Matha Mahesh P. (2013) “**JSP and Servlets: A Comprehensive Study**”, *PHI Learning Pvt. Ltd.*, 2013, pp. 472. ISBN: 978-81-203-4745-8

### BOOKS EDITED :8

1. Adsul S.S. (2012) “**Bhiku Pai Angle Yanche Sahitya: Swaroop ani Samiksha**” *Marathi Department of Parvatibai Chowgule College*
2. Adsul S.S. (2012) ‘**Maan**’ *Amey Publication*, Margao in June 2012.
3. Adsul S.S. (2013) “**Gajanan Raikar Yanche Sahitya: Swaroop ani Mimansa**”, *Marathi Department of Parvatibai Chowgule College*
4. Adsul S.S. (2013) “**Ushaprabha**”, *Nirmiti Prakashan*, Kolhapur.
5. 6 Adsul S.S. (2013) “**Anand Yatra**”. *Rajat Publication*, Aurangabad .ISBN : 81-7161-436-1
6. Desai & Chopdekar H.C. (2012) “**Writer ani Figther**” 2012.
7. Tripathi O.P. (2013) ‘**Hindi Ke Kaljayee Upanyas**’ Editor: Dr. Omprakash Tripathi *Vidhya Prakashan*, 2013.
8. Tripathi O.P. (2012) ‘**Gomant Prasoon**’, Editor: Dr. Omprakash Tripathi, 2012.

#### Peer Reviewed Journal-14

1. Adhikari A., (2012), **“Synthesizing Global Exceptional Patterns in Different Data Sources”**, *Journal Intelligent Systems* 21(3), 2012, pp. 293-323.
2. Fernandes N. V. (2013) **"Pedigree Studies and Evaluation of Risk Factors of Breast Cancer in Goa"**, *Indian Journal of cancer-* (IJC\_120\_12). -1.
3. Adsul S.S. (2012): **‘ Gomantakiya Marathi Sahitya ani Swatantrya Chalval’** *‘Yashwant’* 20, (December) 2012.
4. Adsul S.S. (2012): **‘Avadhoot Kudtarkar Yanchi Kavita’** *‘Yashwant’* 22(February) 2012.
5. Ghanti S. & Naik G.M. (2012): **“FPGA System for Preventing TCP SYN Flood Attack”**, *International Journal of VLSI Design*, 3 (1), 2012, pp. 39-43.
6. R.Kanchana (2013) **‘Utilization Of Biodegradable Keratin Containing Wastes By Enzymatic Treatment’**, *Int J Pharm Bio Sci*, 4(1), 2013, pp. 117 -126.
7. R. Kanchana, Jadhav S., Goletikar Y. and Manerekar G. (2012): **‘Production of Alkaliphilic Protease(s) by Enterobacter sp for Application in Biodetergent Formulation’** *Ind biotechnol*, 8 (1), 2012, pp. 31-35.
8. R. Kanchana (2012): **‘Farm Waste Recycling through Microbial Keratinases’** *Journal Application Science Environmental Sanitation*, 7 (2), 2012, pp. 103-108.
9. Sawant N.N. (2013): **"Population Aging in India and its implications"** *Readings in Population, Environment and Spatial Planning*, 2013, pp. 145-52.
10. Sawant N. N. & Suryawanshi (2012): **“Assessment of Regional Disparity at Micro Level: A study of Talasari and Dahanu Tahsils of Rural Thane, Maharashtra”** *Indian Journal of Spatial Science*, 4 (1), 2012, pp. 28-34.
11. Sawant N. N. , Dicholkar and Desai (2012): **“Women Workforce and their Sustainability in Informal Sector , - A study of Coastal Beach Tourist Destination - Palolem, Goa”** *Interlink Research Analysis*, IV(1), 2012, pp. 24-30.
12. Sawant N.N., Patkar & Yadav (2012): **“Spatial Distribution of Settlements in Sindhudurg Disrtict (Maharashtra)”** *The Konkan Geographer*, 1(1), 2012, pp 13-16.
13. Tripathi O.(2013)**‘Vishnu Prabhakar Ki Kahaniyon Me Manveey Astha’** Article in *‘Anabhau’*, January – March 2013.

14. Tripathi O.(2013)‘**Kaljaye Ki Avadharana Aur Hindi Upanyas**’,Article in ‘Gomanchal’ 2013

### **Proceedings-01**

1. Veeresh A.V., D’Souza A. F., Gomes E. & Rodrigues, B.F. (2012): “**Effect of local fertilizers on Indigenous species of BGA in rice fields of Goa**”, In: Proceedings of the National Conference on “Biodiversity & Biotechnology for Sustainable Development”, Published by *P.G. Dept. of Studies in Botany*, Karnatak University, Dharwad, Karnataka, 2012, pp. 258 – 273.

### **Online Database-02**

1. Naik G. K. (2013): “**Effect of Sintering on Magnetic Properties of  $\text{Ni}_{0.55}\text{Zn}_{0.45}\text{Fe}_2\text{O}_4$** ”, *Journal of Superconductivity and Novel Magnetism*, Published online on 12<sup>th</sup> April 2013.
2. Naik G. K. (2012): “**Characterization and Magnetic Properties of Nanoparticle  $\text{Ni}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$  Ferrites Prepared Using Microwave Assisted Combustion Method**”, *Journal of Superconductivity and Novel Magnetism*, Published online; 18<sup>th</sup> March 2012.

### **Impact Factor -02**

1. Desai S. N. (2012) “**Primary Culture Of Mantle Cells Of Bivalve Mollusc, *Paphia Malabarica***”, *In Vitro Cell Dev Biol Anim.* 48:, 2012, pp. 473-477. Springer Publication: Impact Factor: 1.312. doi: 10.1007/s11626-012-9538-4.
2. Sawant N.N., Rajashree Chowgule (2012): “**Health Status of Ageing Catholic Women in Navelim, Goa**” *Indian Journal of Health and Wellbeing*, 2(3), 2012, pp 671-675. Impact factor 0.48

## Research Publications-09

1. Mazumdar D. (2012) “Sustainable Agriculture: Issues and Challenges: A case study in Goa” “Agricultural Marketing in India: Directions for Development,” edited by Dr. Jayasheela et.al. Published by Serials Publications, New Delhi (ISBN: 978-81-8387-5370-0; pp: 318-327).
2. Mazumdar D. (2012): The Issues of Government Healthcare Programmes: A Case study in Goa; article published in book “Economic Paradigms of Healthcare in India: Issues and Challenges” edited by Dr. Vilas M. Kadrolkar et.al. Published by Global Research Publications, New Delhi; pp 175 – 183. ISBN: 978-81-89630-58-4
3. Mazumdar. D and Mazumdar. N. (2012): Causes and Effects of Long Distance Migration in the State of Goa: A Case study of Chimbhel Village; Article published in the Book “Urbanization and Economic Transformation: Issues and Challenges” edited by Dr. Jayasheela et al. Published by Global Research Publications, New Delhi; pp 82-91. ISBN: 978-81-89630-65-2
4. Mazumdar.D.(2013): Relevance of Decision Theory in Consumers’ Optimization; an article published in the proceeding on Workshop on “Relevance of Mechanism Design and Game Theory in Modern Economic Analysis”; edited by Jayasheela et.al. Published by Executive Director, KSHEC, Bangalore; pp 18-26 with ISBN 978-81-923331-6-8
5. Dr. Nandkumar Sawant, along with his postgraduate student, Ms. Rajashri Chougule, jointly published a paper in the Indian Journal of Health and Well Being (2012) entitled “Health Status of Ageing Catholic Women in Navelim, Goa.” The journal has an impact factor of 0.48.
6. Dr. N. N. Sawant, Mrs. Dicholkar Anagha and Ms. Desai Mallica, have published a research paper titled “Women workforce and their sustainability in Informal sector – A Study of Coastal Beach Tourist Destination – Palolem, Goa” in Vision Research Journal for Geography and Geology (Peer Review) (2012), Vol 1 (2): (1-12).
7. Dr. Nandkumar N Sawant, Head and Associate Professor in the Department of Geography published an article entitled, “ Overseas Migration of the Goan Catholic and its ramifications on their spouse – a case study of rural Salcete, Goa-India in the book, ‘Human Migration in Indian Subcontinent’ (edited by Vinod Bhardwaj and Nisha Yadav) RBSA Publications, Jaipur (pp 1-13).

8. Dr. Manjita Porob, from Department of Chemistry, published a paper in the referred journal on “MOCVD and Precursor design to synthesis metal oxide” in Research in Science and Technology, 2012, Vol. No. 1, Issue No.VI, 13 -19.

9. Dr. Manjita Porob published a paper on “Design of precursors for sol-gel route to metal/mixed metal oxides” in Research in Science and Technology 2012, Vol. No. 1, Issue No. VI, 20-28.