



# **PONDA EDUCATION SOCIETY'S COLLEGE OF ARTS & SCIENCE**

FARMAGUDI, PONDA, GOA - 403 401.

(Affiliated to Goa University)

## **Reaccreditation - 2nd Cycle Self Study Report (SSR)**

*Submitted to*  
**National Assessment and Accreditation Council**  
**Bangalore**  
**2014**



**PONDA EDUCATION SOCIETY'S  
COLLEGE OF ARTS & SCIENCE,  
FARMAGUDI, PONDA GOA – 403 401**

**(Affiliated to Goa University)**

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## COMMITTEES

Chairperson: Dr. A. S. Dinge (Principal)	
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Mr. D. M. Desai (Convenor)	
Mr. Kamlakant J. Naik	
Compilation of Information of Co-curricular and Extracurricular Activities	
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Dr. (Ms) Harsha Uskaikar	Dr. (Mrs) K. R. Kunkolienkar
Dr. (Mrs) Sima Kamat	Mr. A. V. Bhandiwad
Dr. (Mrs) Sunita R. Borkar	Mr. G. P. P. Khanolkar
Mrs. V. V. Garge	Mr. R. V. S. Kunkolienkar
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Mr. Prasad Adarkar	

## P R E F A C E

Ponda Education Society was established in the year 1985 by the combined efforts of many prominent educationists and social workers of Ponda City, with the objective of meeting the needs of students of Ponda taluka and surrounding areas, who until then had to travel long distances to obtain higher education on completion of their HSSC studies. Towards this end the Ponda Education.Society started its College Arts & Science and Higher Secondary School of Arts, Science, Commerce and Vocational in the year 1986.

Currently, the Ponda Education Society has established four educational institutions namely- P.E.S. Collge of Arts & Science, P.E.S. Higher Secondary School of Arts, Science, Commerce and Vocational, P.E.S. College of Education and P.E.S's Shri Rajaram and Tarabhai Bandekar College of Pharmacy. (The first two institutions have been renamed P.E.S's Shri. Ravi Sitaram Naik College of Arts & Science, and P.E.S's Higher Secondary School of Arts, Science, Commerce and Vocational, respectively. The official sanction is in the pipeline. However P.E.S's College of Arts & Science is applying for the continuation of accreditation, and therefore will be mentioned by this name henceforth in the report.)

P.E.S's College of Arts and Science is situated in the rural area of Farmagudi in Ponda Taluka. It fulfils the needs of economically backward and needy students of Ponda Taluka and the surrounding areas. Ponda is a developing town of historical importance, surrounded by all the important temples of Goa. In fact, Ponda is a cultural capital of Goa commonly known as "Antruz". The college has completed 28 years of its existence.

In the year 2002 the college distinguished itself by being awarded three stars at the very first instance. After the last accreditation the College is continuously progressing in all fields such as Academics, Infrastructure, Research, Sports, Cultural and other activities.

Based on the inputs and suggestions given by the Peer Team during the last NAAC visit (2001), we at P.E.S College have taken all possible steps to realize them and to endeavour to bring about quantitative and qualitative academic progress.

The college completed 25 glorious years in the year 2010. As we march ahead in our academic endeavour, we constantly keep before us our goal to provide an opportunity to the rural population for quality education which is value based and career oriented.

Our strength lies in the quality of our staff and in the performance of our students. The college lays emphasis on all round development of the student with a focus on quality improvement, sustenance and enhancement, through participation in academics, sports, socio-cultural and other activities. Our students have brought laurels to this college winning many awards, prizes and appreciation in academic as well as extra-curricular activities. Many of them represented our college at the state, national and international levels in sports, cultural and other activities. This is possible due to the joint efforts of the faculty and the students who have worked together in nurturing critical thinking, creativity and the scientific temper making it possible for both to become life long learners and innovators. Apart from being academic teaching-learning facilitators, the faculty is also involved in mentoring students under the teacher guide scheme, which involves coaching, counseling and guidance of students on a one to one basis. Besides this, faculty along with the institution is helps students by providing facilities such as book bank, scholarships, freeships, financial and other assistance. This endeavour has paid rich dividends in the form of excellent performance of students in their examinations.

In recent years, the college has also excelled in the field of academics and research. These include - the highest number of Ph.D.'s among our faculty members, the highest number of Minor and Major research projects, both ongoing and completed, under the UGC, DST and other funding agencies as well as appointment / nomination by Goa University and the State Government to various statutory bodies like the Boards of Studies, Academic Council, Senate, State Bio-diversity Board, Literary Institutions, Advisory Boards, etc, A number of members of the teaching faculty have presented their research work at conferences / seminars / workshops at the state / national and international levels. Some have even distinguished themselves by coordinating / organizing / convening conferences / seminars / workshops at the state / national and international levels.

The comprehensive information which follows will throw more light on the various facets of our institution which is submitted for assessment and accreditation. We believe that our hardwork and perseverance will bear the fruits of the success in our endeavour.

## **Message**

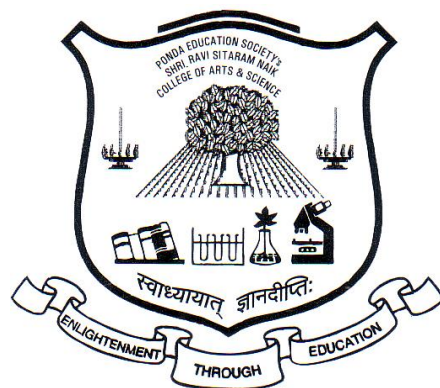
It gives me immense pleasure to present a comprehensive Self Study Report of the Ponda Education Society's College of Arts & Science, Farmagudi, Ponda Goa to National Assessment and Accreditation Council (NAAC), Bangalore, for the second cycle of assessment and accreditation. This report is the result of the combined efforts, cooperation and support of the Management as well as the teaching and non-teaching staff and students of the college.

Through this report we hope to present to the assessors a realistic and holistic picture of the college through the last one and half decades of its existence during which thousands of students have graduated and are occupying honourable positions in society.

This SSR attempts to give an in-depth and objective analysis of the institution in promoting quality higher education in the rural, backward and yet developing area of Ponda Taluka. It is also an attempt at introspecting on the feasibility of the means being employed for sustaining and enhancing the quality of education by inculcating scientific temper, excellence and the use of modern educational technology in imparting training to the young minds for their all round development.

I would like to conclude with the hope that a successful outcome of this exercise will bring about an encouragement to all of us to serve the society and do better in future.

Dr. Anil S. Dinge  
Principal



## THE COLLEGE COAT OF ARMS

The true strength of any society lies in the number of enlightened minds and souls. It is knowledge and wisdom that illumines and individual. The ultimate aim of an educational institution is to enlighten and empower the students to be the creators and transformers of tomorrow.

The banyan tree is an ancient symbol of enlightenment. It also represents our commitment to growth and continous renewal. The book and equipments represent attitude of enquiry and learning that we inculcate. The light rays reflect our conviction that there is higher source of knowledge and wisdom and we are a channel to pour this light into all who enter our portals.

## Executive Summary

Ponda Education Society's College of Arts and Science Ponda, a fledgling institution has completed twenty five years of its existence in 2010. In fact we are marching in the twenty eight year and progressing with each passing year. The vision of the college *"Is to be a centre of higher education that prepares youth for becoming capable, useful and upright citizens, able to face the challenges faced by the country and global village"* reflects our far sighted endeavour to achieve heights in the society. To achieve the goals, our strength lies in the mission of the college *"By ensuring that our faculty is highly qualified and committed to the transference of high levels of knowledge and values to the students. By promoting activities that inculcate student community interaction for meeting the local needs. By evolving programmes that will enable the students to find practical applications of the knowledge gained. By providing an atmosphere where an all around development of personality is possible"*

### Criterion I. Curricular Aspects

P. E. S. College is affiliated to Goa University right from its inception and hence the syllabus and other academic directions come from the University. The teaching faculty of our college has representation on the Academic Council, Court and Board of Studies of Goa University. With this representation the college plays an important role in framing, designing, restructuring and revising the curriculum from time to time.

Our Vision, Mission, Goals and Objectives strengthen the challenges we face and thus support the core values of our institution. Goa University from time to time updates the college regarding the curriculum through meetings, seminars, workshops etc. At the college level we have set out a plan to implement the curriculum given by the University. At the beginning of the academic year each teacher is given the syllabus to cover for the entire year by teaching departments. Teacher's diary is maintained by the teachers of our college to know and implement the academic plans. The syllabus is further enriched with continuous interaction with the industry, parents, alumni, and other stakeholders. Some of our classrooms have overhead projectors; still some teachers carry the portable LCD to deliver their lectures in the classroom. Our laboratories are well equipped with the desired facilities for the effective conduct of experiments by the students.

From the student's point of view, we have a book-bank for deserving as well as other students of our college. Our Management is resourceful and provides funds for the procurement of the latest editions of books, journals, other materials and

equipments. There is a substantial increase in the budget allocation for purchase of materials for the library and science laboratories in the recent years.

At present the institution offers two undergraduate programs namely – B. A. and B. Sc. Besides we had a certificate program in Human Rights conducted by the Department of Political Science. The field trips are an important feature as a part of learning. The subjects of Botany and Zoology have regularly organized field trips for their students within as well as outside the state. Other departments such as Department of Psychology always take their students to Institute for Psychiatry and Human Behaviour. Departments of History and Philosophy too have organized from time to time study trips for their students. These efforts of the teaching faculty results in strengthening and enriching of the curricula which ultimately benefits the students.

In the last three years or so college has been publishing an in-house journal called “Sounved”. This journal portrays the research talents of our faculty in various fields of study. As mentioned earlier, our college has the highest number of Ph.Ds. Also some of the staff members are in the process of submitting or on the verge of completing their Ph.D theses. Our college has the maximum number of ongoing and completed minor and major research projects. This research pursuit is the forte of the faculty of our college.

The NSS unit of the college has been a great source of extension and social outreach programme. Our annual NSS camps in the remote places of Goa have been a community service exercise. Students takes up cleaning drives of village springs, wells, gutters, nullahs and removal and disposal of plastic thus adding to environmental protection. In the last few years socio-economic survey of the villages was also undertaken.

Our priority is clear: provide holistic education to the masses who are generally the first generation learners in this area. We have our future chalked out. Our motto is ‘to be an institution providing good and effective academic foundation to the stakeholders of this college’.



## **CRITERION II: TEACHING-LEARNING AND EVALUATION**

Ponda Education Society was established in the year 1985 by the combined efforts of many prominent educationists and social workers of Ponda City, with the objective of meeting the needs of students of Ponda taluka and surrounding areas, who until then had to travel long distances to obtain higher education on completion of their HSSC studies. Towards this end the Ponda Education Society started its College Arts & Science and Higher Secondary School of Arts, Science, Commerce and Vocational in the year 1986.

At P.E.S. college, admission is given to the students from all sections of society. The students from other states as well as from foreign countries are also admitted. Wide publicity is given in the local newspapers regarding the admissions at the college. Every academic year the college publishes a Handbook and Calendar for the year containing the procedure for admission. An Admission Committee is constituted well in advance to scrutinize the application forms as well as carry out the counselling of the candidates who seek admission to the B.A. and B.Sc. programmes at the college. The mode of admission is based on merit as well as first come first serve basis. An attempt to observe absolute transparency in the admission procedure requires that the rules of the Goa University and that of the Government of Goa are strictly adhered to and followed from time to time.

Each teaching department prepares the timetable and distribution of the teaching workload is done with a definite goal and objective as laid down by the respective BOS. Principal of the college addresses the students of Arts and Science on the first day of academic year separately and sensitizes the students about the curriculum, college, discipline, various facilities available in the campus, etc. General orientation is done by the teaching departments in the first two lectures at the beginning of the academic year. Students are also encouraged at the very outset to participate in various academic, co-curricular and extra-curricular activities of the college. Economically weaker students are also informed about the schemes and support system for their benefit to achieve academic heights. Vision, mission, goals and objectives of the college are placed before them and they are exhorted to follow them. The college also caters to the diverse needs of the students. For instance we have a ramp for the needs of differently-abled students. Thus makes their accessibility to the college very easy. For the slow learners remedial classes are taken to bring their level on par with other students.

The teaching faculty of the college makes use of LCDs, OHPs, and other teaching aids to deliver their regular lectures. Experts from various fields are invited periodically to interact with faculty and students and to deliver guest lectures by

the teaching departments of our college. Besides classroom seminars, presentations, quizzes, etc. are the regular features of our college. Hence these efforts on our part may help to nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators. Teaching plan is written down by the teachers in their academic diaries at the beginning of the academic year and meticulously followed through out the year. Due care is taken to complete syllabus well in time. Absence on duty because of certain academic and personal engagements or sickness is compensated by taking extra lectures on Sundays and holidays. With this an attempt is made to make teaching learning learner friendly by the faculty of the college. Plans are in the offing to get ICT in our classrooms. Internet, wi-fi connectivity, virtual library, e-learning etc are other things on the mind of the Management in the near future. Though college library has a stock of large volumes of books and magazines, additions are made every year to its existing stock.

The cordial and friendly atmosphere at P.E.S. College attracts students from far flung areas of the state to seek admission. Teachers are the assets of the college inculcating in students a moral and ethical character and motivating them to good study habits. A large number of the faculty is highly qualified and are involved in research work in their respective fields. These faculty present their studies and findings in state, national, international seminars and conferences within and outside the country. Many of our teachers are invited as guest speakers and resource persons for various academic functions. The quality of our teachers is evaluated by the students at the end of the academic year.

The college adopts the examination pattern/scheme given by the University which comprises of Intra- Semester Assessment (ISA) and Semester End Examination (SEE). The ISA component consist of 20 per cent of the marks and SEE consist of 80 per cent of the marks. The college Examination Committee monitors the examinations of the college. Besides, Examination Committee, College Unfair Means Enquiry Committee and Grievance Committee (Examination) are constituted for the smooth conduct of the examinations of the college. The results of both ISA and SEE are declared and displayed on the college notice board for the information of the students and their parents. There is also a provision for verification of marks by the studemts of SEE after the results are declared.

College with the help of teachers puts efforts in all possible ways to obtain the dersired teaching and learning outcomes to reach the students. There is transparency at all levels of the teaching-learning process. The college result in both the programmes (B.A. /B.Sc) is always above the University results. Our

students in particular have excelled at University examination, with gold medals over the years. Records of academic achievements especially in examination by our students over the years are given in the report of examinations.

### **CRITERION III RESEARCH, CONSULTANCY AND EXTENSION**

P.E.S. College is known for its quality research activities among its faculty members. The college has UGC Scheme Monitoring and Implementation Committee and Research Publication Committee which looks after the research aspects of the faculty. College started its own in-house journal 'Sounved'. The research articles are published in the journal by the faculty. The Management of the college has played a stellar role, in large number of teachers' pursuing Ph.D in service due to their encouragement and also in accepting FIP leave applications of the faculty and sanctioning the FIP leave in short period of time. There are plans for starting research centre in some of the subjects in Arts and Science. As per the Goa University ordinances Associate Professors with Ph.D are eligible to guide for the research leading to Ph.D. Many faculties in this category in the college are thinking of availing the facility of research guides in their subjects. Our teaching faculty has a vast exposure to presentations at state, national and international conferences and seminars. Many of our teachers in last few years have been invited and visited foreign countries for conferences and seminars and presented their research work.

Students at the third year level take up research oriented topics for their project paper. Many a time their findings with the help of their teachers have been also presented in the state and national level seminars. Over the years the students of our college has covered a vast canvass of such studies in their project paper in different subjects. The College Library is a store house of journals and books, which helps students to do well in their research oriented projects. College is planning to augment the library facilities by providing internet and online journal facilities for the staff and students of the college.

The faculties have publication in various national, international; peer reviewed journals. They also have contributed chapters in edited volumes and some of them have also published books in their subjects of study. Faculties are also involved in the translation work of books/volumes published in different languages in to Konkani for the benefit of local people. Some of the science subjects have collaborations with industries and research institutes. With this collaboration especially with industry our students gets a good job placement after their graduation. The students and staff of the college are involved in NSS and

extension activities. The work they have done in adopted villages for their annual NSS camps is quite substantial (NSS report of our college will throw light in detail). The faculties are involved in free and informal consultancy work. The college is thinking of signing in the near future more MOU's with academic and research institutions, industries and to collaborate with them in vital areas of knowledge.

#### **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

The campus is located at Farmagudi plateau with scenic surroundings of green hillocks with an area admeasuring 35,000 sq mts (8.7 acres). The creation and enhancement of infrastructure to facilitate effective teaching and learning in College is in tune with our vision and mission. It is the constant endeavour of the Management to augment and enhance the infrastructure required to maximize the teaching and learning potential of the College.

In the vast sprawling campus of Ponda Education Society, over the last few years 17 new buildings have been added to the existing infrastructure. P.E.S. College of Arts & Science has 9 buildings in its possession. The campus also consists of three more institutions run by the society name- P.E.S. Higher Secondary School, P.E.S. College of Education and P.E.S's Rajaram and Tarabai College of Pharmacy which are occupying remaining 8 buildings. Library building has total built-up area of 1050 sq.mts. It consists of a reading hall having seating capacity of 100-150 students, and also houses a stacking area for books and separate area for journals. A well equipped seminar hall and auditorium is also the part of the library building. Gymkhana with sports ground, a sports hall, and gymnasium facility with modern equipments are made available to the students. A girls hostel with a built up area of 1039.70 sq. mts with a capacity of 100 occupants is constructed with the help of UGC funds.and is ready for occupation. Three storey cafeteria building with quality food and beverages are served at affordable rates. Three new spacious buildings with Principal's office, Administrative Block and having laboratories of different science subjects, and also classrooms are added to the infrastructure. An Information Technology laboratory with 38 computers having networking facility has been developed in the post accreditation (2002) period of the college. Also the old college building has been renovated and refurnished and is converted into block of classrooms.. This building also houses a language laboratory, psychology laboratory, counseling and guidance centre, research room for faculty, a spacious and well ventilated girl's common room, a resting room for administrative staff, board room, IQAC/NAAC room as well as a facility for health centre. P.E.S. Employees Credit Co-operative Society Ltd. is also functioning from this building. The College is awaiting necessary

permissions from regulatory authorities to start post graduate courses in some of the Science subjects for which two buildings with a total area of around 1200 sq. mts have been already constructed. The institution has intercom facilities linking all the departments and wings of the college. The college has planted varieties of trees which are flowering and fruit bearing. College has a well planned and marked ample parking space for staff and students for their vehicles.

Learning resources of the college is augmented through a well equipped and separate library building. College Library is a repository of around 20,050 books and volumes, 61 Encyclopedias, 32 journals, 182 VCDs, CDs, DVDs, etc. Besides, daily newspapers, popular magazines and other publications are also subscribed. The college on an average annually adds around 1000 new books and other publication to the library worth about Rs. 2.25 lakhs. There are also departmental libraries. An orientation of how to use a library is given to the new students. Book bank facility is also provided to needy and meritorious students. College is in the process of enhancing the library facilities by providing e-learning centre, e-journals, journal access through INFLIBNET, internet facility etc.

College takes necessary and due measures towards the upkeep and maintenance of its campus regularly. The infrastructure and equipments are kept at the optimum utilization level by spending money from UGC development grants and the grants received from the Goa Government. The college receives regulated power supply from the Electricity Department of Government of Goa, in case of power failures/shut down; library building has an independent 35 KV power generator, while all the other buildings and laboratories have inverters for their smooth functioning. Besides, regular water supply is provided by the Public Works Department and it is further supplemented by bore well digged in the campus. Safe drinking water is provided to the staff and students using water filters and water coolers. The campus is very well illuminated by street lights and is made more esthetic and presentable with arrangement of decorative plants in pots in the open areas. The campus has twenty four hours security for safety of protection of life and property.

## **CRITERION V: STUDENT SUPPORT AND PROGRESSION**

The college gives all the necessary information on teaching learning process and support for students in their progression. The handbook and calendar contains all the important and required information regarding academic aspects which includes curriculum structure, college rules and regulations, college facilities and support services, financial assistance in the form of scholarships and freships, student aid fund, etc.

In the last 5 years an average of 50 per cent SC/ST/OBC students have been enrolled for BA/BSc programmes. Majority of them are first generation learners. These students were provided with financial and other assistance in the form of scholarships, freships, student aid funds, book bank facility etc. The college pays special attention to the needs of these students in their academic pursuits by way of remedial classes, special coaching, and by providing counseling and guidance.

The Teacher-guide scheme is utilized in mentoring the students in monitoring their academic as well as personal life. College conducts special coaching classes for preparing them for competitive examinations. Remedial classes are also conducted for the academically weaker students. Counseling and guidance is provided to the students through the services of a professional psychologist cum counselor who is specially hired for this purpose.

The college produces excellent results with students obtaining ranks at the University Examination. Many students who do very well at the undergraduate level and wish to pursue higher education are given training for appearing at the entrance examinations as well as preparing them for the interviews. Soft and Entrepreneurship Development skills are provided during the course of the year to the interested students. The Placement cell organizes campus recruitment by collaborating with the reputed industries which are located in the industrial area around the college. The college has an active Alumni Association, which organizes various activities for the college students. It is through this association that the past students help the graduating students in getting good job placements in industries.

A personality is developed with competitive spirit and confidence through active participation in sports, co-curricular and cultural activities. The college organizes inter-class competitions as well as sports day in various sports disciplines to showcase the talents of the students. Many of our students have won laurels at the Goa University, State as well as National level in weight and power lifting, judo, taekwondo, etc. College has won Volley Ball championship for three

consequitive years (2011, 2012, and 2013) at the inter-collegiate tournament organized by the University. Ponda is a cultural city of Goa, having famous temples, heritage sites and locations. The place is always abuzz with different cultural events and activities like ancient dramas, one-act plays, bhajans, kirtans folk dances, etc. It is the tradition of the college to train the students in all these various forms of cultural events. The college always excels in this field wining many prizes and awards in the last few years. The college conducts student council elections in a democratic way, Elected student council is responsible for organizing co-curricular and extra-curricular activities thereby imbibing organi.zational skills team work and leadership qualities among the students.. For several years college has participated and won prizes at the inter-collegiate student parliament organized by the Goa State Legislative Assembly. It is a practical experience in understanding the working of the Assemblies and Parliament, and also a platform to showcase the political leardership qualities amongst the students. The college is fortunate that many of its students have taken interest to serve the people by contesting election of the grass root level bodies like village panchayat, municipal councils and are occupying positions of Panchas, Councilors, Sarpanchas and Mayors.

#### **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

The goals and objectives of the Ponda Education Society are clear and straight to realize the vision and to fulfill the mission of the institution. The college aspires for the all round development of the personality of students who get admitted to this institution. The Management is supportive and cooperative in academic endeavours of the college. Right in the beginning of the academic year the action plans of the college for the academic year are drawn and implemented through the respective departments. The faculties are the members of various academic and non-academic committees of the college. This helps in the smooth functioning and in the implementation and execution of the college policies and plans. The Internal Quality Assurance Cell (IQAC) has members from the Management, industry and stakeholders besides faculty. This committee looks at the quality, sustainen and improvement of the programmes of the college. Local Managing Committee monitors the overall functioning of the college.

The Departments prepares its plans and are executed with full freedom in terms of academic activities related to their subjects. The subject association of the departments conducts activities for their students and organizes various events at inter-collegiate level. There are various other committees which comprise of faculty members, who individually handles the responsibilities entrusted to them.

Faculty development programmes are held every year by inviting the resource persons having knowledge on varied themes.

Faculty members are encouraged to go in for higher qualifications leading to Ph.D degree and are granted study leaves and FIP of Goa Government and UGC. The faculties are also encouraged to undertake research by acquiring minor and major projects from various funding agencies. They organize and participate in seminars, workshops; symposia etc and present their research findings. Also papers are published in reputed national and international journals. The college has highest number of Ph.Ds among the colleges in Goa. Due to this measure the college is able to attract and retain the faculties. Teachers are being evaluated by the students at the end of the academic year. Teachers also fill self appraisal forms at the end of every academic year.

Financial and accounting management of the college is planned in the beginning of each academic year, wherein budget allocation is made to various departments and procurements of various materials are done through a purchase committee. An internal auditing is done every year through the chartered accountant and statement of accounts is submitted to the Management of the college and also to Directorate of Higher Education, Government of Goa. The external audit is carried by the Directorate of Higher Education, Government of Goa. The major financial resources of the institution are obtained from 1) Salary and Non-salary grants received from the Directorate of Higher Education, Government of Goa. 2) Tuition and other fees collected from the students 3) UGC grants under various schemes and 4) Grants obtained from various funding agencies.



## **CRITERION VII: INNOVATIONS AND BEST PRACTICES**

The college campus is made eco-friendly and green by planting various species of trees which have been documented. College takes care of its environment by following some innovative ideas and practices in which the classrooms and laboratories lights and fans are used whenever necessary. The campus is made plastic free and awareness campaigns are run by conducting seminars, rallies in and around the college and in Ponda city. Eco-friendly practices which are carried out by the college are: plantation drives, anti-plastic drives, cleaning of the campus, cleaning of natural springs of surrounding area, and awareness regarding management and disposal of e-waste among faculty and students is brought about by inviting the experts in this field.

The two best practices of our college among so many include Teacher-Guide Scheme and Book Bank Scheme. Teacher Guide Scheme helps in mentoring the students and makes their learning focussed. Besides, the trained counselor, the teachers in this scheme monitors and do a bit of counseling on their academic as well as personal front and direct severe cases to a counseling and guidance centre of the college. The Book Bank Scheme helps students to get access to books and to keep it with them till the course is completed, which are costly and are not easily available. Students have benefited from these two schemes which are reflected in their academic and personal development.

# SWOC ANALYSIS

## Strengths

1. Highest number of Ph.D qualified faculty among the Colleges of Goa.
2. Very Cooperative and Supportive Management open to new ideas and challenges.
3. Adequate infrastructure in the campus.
4. Faculty and Principal regular interactions for the better coordination.
5. Staff participation and presentation of papers at the state, national and international level.
6. Faculty invited by the foreign institutions for presentations/chairing the academic sessions in conferences/seminars/workshops.
7. Annual Faculty Development Programme.
8. In-house Research Journal.
9. Teaching and learning through innovative methods.
10. Innovative and Healthy Practices.
11. Spacious and well equipped gymnasium and other sports infrastructure reflected in good performance of our students in sports, cultural and co-curricular activities.
12. First generation learners with excellent results at the University level.
13. Maximum number of projects (Minor & Major) completed and ongoing.

14. Green campus with nature preserving activities from staff and students.
15. Well stacked library with latest editions of books and journals.
16. Teacher-guide scheme.
17. Counselling and students aid programme.
18. Social outreach programmes of the staff.
19. Well equipped laboratories.
20. Large number of girls educated from the college.
21. Evaluation of teachers by students.
22. Alumni of the college aiding in job placement of the students.

### **Weaknesses**

1. Internet and wi-fi facilities for faculties and students
2. Transport facilities for students
3. Bank, Post Office and General Store on the campus
4. Fewer seminars/conferences organized at the state/national  
/international level.

## **Opportunities**

1. Introduction of new interdisciplinary and skill based programmes.
- 2 .Greater participation in corporate life and social outreach programmes
3. Development of Consultancy services.

## **Challenges**

1. Poor linguistic skills of the students
3. Time constraints faced by faculty to undertake research activities.
4. Upgrading the library with modern ICT facilities.

## B. Profile of the Affiliated /Constituent College

### 1. Name and address of the college:

**Name:** Ponda Education Society's, College of Arts & Science.  
**Address:** Post Box No. 3, Farmagudi,  
Ponda, GOA – 403401,  
INDIA.

### 2. For communication:

Principal	Name: Dr. A. S. Dinge  Telephone: O:0832 2335171 R:0832 6641449  Mobile:9422447384 Fax: 08322335296 Email: <a href="mailto:prin.pes@unigoa.ac.in">prin.pes@unigoa.ac.in</a>
Vice Principal	Name: Dr. (Mrs) Kamladevi R. Kunkolienkar  Telephone: O:0832 2335171 R:0832 6630562  Mobile:9823141033 Fax: 08322335296 Email: <a href="mailto:kaamakhya_k@rediffmail.com">kaamakhya_k@rediffmail.com</a>
Steering Committee Co-ordinator	Name: Dr. Jeronimo G. R. Monteiro  Telephone: O:0832 2335171 R:0832 2284373  Mobile:9850475764 Fax: 08322335296 Email: <a href="mailto:jgrm@rediffmail.com">jgrm@rediffmail.com</a>

3. Status of the of Institution :

Affiliated College	√
Constituent College	
Any other (specify)	

4. Type of Institution:

a. By Gender

i. For Men	
ii. For Women	
iii.Co-education	√

b. By shift

i.Regular	√
ii. Day	
iii. Evening	

5. Is it a recognized minority institution?

Yes	
No	√

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

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6. Source of funding:

Government	
Grant-in-aid	√
Self-financing	

7. a. Date of establishment of the college: ...20/06/1986.....  
(dd/mm/yyyy)

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

**Goa University**

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	01/05/1998	-
ii. 12 (B)	01/05/1998	-

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

d. Details of recognition/approval by statutory/regulatory bodies other than UGC

Under Section/clause	Recognition/Approval details Institution/Department/ Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.				
ii.				
iii.				
iv.				

(AICTE, NCTE, MCI, DCI, PCI, RCI etc.) Not Applicable

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes  No

If yes, has the College applied for availing the autonomous status?

Yes  No

9. Is the college recognized

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

Yes  No

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

b. for its performance by any other governmental agency?

Yes  No



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

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

10. Location of the campus and area in sq.mts:

Location *	Rural
Campus area in sq. mts.	35000 sq mts
Built up area in sq. mts.	9280 sq.mts

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

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities
- Sports facilities 
  - \* play ground
  - \* swimming pool
  - \* gymnasium
- Hostel 
  - \* Boys' hostel 
    - i. Number of hostels
    - ii. Number of inmates
    - iii. Facilities (mention available facilities)
  - \* Girls' hostel (Hostel is ready awaiting for occupy certificate) 
    - i. Number of hostels
    - ii. Number of inmates

iii. Facilities (mention available facilities)

\* Working women's hostel

i. Number of inmates

ii. Facilities (mention available facilities)

- Residential facilities for teaching and non-teaching staff (give numbers available -- cadre wise)

- Cafeteria --

- Health centre –

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

Health centre staff –

Qualified doctor      Full time            Part-time     

Qualified Nurse      Full time            Part-time     

- Facilities like banking, post office, book shops
- Transport facilities to cater to the needs of students and staff
- Animal house
- Biological waste disposal
- Generator or other facility for management/regulation of electricity and voltage
- Solid waste management facility
- Waste water management
- Water harvesting

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

Sl. No	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/approved Student strength	No. of students admitted
1.	Under-Graduate	B.A. B.Sc	3 Years	HSSC (XIIth)	English	180 180	152 131
2.	Post-Graduate						
3	Integrated Programmes P G						
4	Ph.D.						
5	M.Phil.						
6	Ph. D.						
7	Certificate courses	Human Rights	6 months	Graduation	English	30	03
8	UG Diploma						
9	PG Diploma						
10	Any Other (specify and provide details)						

13. Does the college offer self-financed Programmes?

Yes	
No	√

If yes, how many?

14. New programmes introduced in the college during the last five years if any?

Yes		No	√	Number	
-----	--	----	---	--------	--

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Particulars	UG	PG	Research
Science	Physics, Chemistry, Mathematics, Botany, Zoology, Microbiology I.T.		
Arts	English, Konkani, Hindi, Marathi, Economics, History, Political Science, Philosophy, Psychology		
Commerce	-		
Any Other not covered above	-		

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

- a. annual system
- b. semester system
- c. trimester system

17. Number of Programmes with ( Not Applicable)

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other ( specify and provide details)

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes  No

If yes,

a. Year of Introduction of the programme(s).....  
(dd/mm/yyyy)  
and number of batches that completed the programme

b. NCTE recognition details (if applicable)  
Notification No.: .....  
Date: ..... (dd/mm/yyyy)  
Validity:.....

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes  No

19. Does the college offer UG or PG programme in Physical Education?

Yes  No

If yes,

a. Year of Introduction of the programme(s).....  
(dd/mm/yyyy)  
and number of batches that completed the programme

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

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

Validity:.....

c. Is the institution opting for assessment and accreditation of  
Physical Education Programme separately?  
Yes  No

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff	Technical staff		
	Professor		Associate Professor		Assistant Professor			*M	*F	
	*M	*F	*M	*F	*M	*F	*M			*F
Sanctioned by the UGC / University / State Government	01		17	12	03	21	30	08		
<i>Recruited</i>										
<i>Yet to recruit</i>							01		01	
Sanctioned by the Management/society or other authorized bodies										
<i>Recruited</i>										
<i>Yet to recruit</i>										

\*M-Male \*F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	01	-	12	10	0	03	26
M.Phil.	-	-	02	01	01	09	13
PG	-	-	03	01	02	02	08
Temporary teachers							
Ph.D.	-	-	-	-	-	03	03
M.Phil.	-	-	-	-	-	0	0
PG	-	-	-	-	-	04	04
Part-time teachers: Nil							
Ph.D.							
M.Phil.							
PG							



22. Number of Visiting Faculty /Guest Faculty engaged with the College.

05

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2010-11		2011-12		2012-13		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	03	08	02	06	02	03	01	01
ST	22	65	19	69	18	83	42	84
OBC	52	170	36	152	50	171	57	184
General	134	362	139	353	134	378	94	351
Others	-	-	-	-	-	-	-	-

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	823				823
Students from other states of India	06				06
NRI students					
Foreign students					
Total	829				829

25. Dropout rate in UG and PG (average of the last two batches)

UG

PG

26. Unit Cost of Education

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

students enrolled )

(a) including the salary component

(b) excluding the salary component

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

No

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes

No

Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes  No

28. Provide Teacher-student ratio for each of the programme/course offered

Programme	Students	Teachers	Teacher-student Ratio
B.A.	456	18	1:25
B.Sc	373	35	1:11

29. Is the college applying for

Accreditation : Cycle 1  Cycle 2  Cycle 3  Cycle 4   
 Re-Assessment:

*(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)*

30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: ...12/02/2002... (dd/mm/yyyy) Accreditation Outcome/Result  
Accredited at 3 Star level

Cycle 2: ..... (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: ..... (dd/mm/yyyy) Accreditation Outcome/Result.....

*\* Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.*

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

240

32. Number of teaching days during the last academic year

*(Teaching days means days on which lectures were engaged excluding the examination days)*

180

33.Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC 30/04/2011 (dd/mm/yyyy)

34.Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

1) AQAR	2002-2003	submitted on	30/03/2014
2) AQAR	2003-2004	submitted on	30/03/2014
3) AQAR	2004-2005	submitted on	30/03/2014
4) AQAR	2005-2006	submitted on	30/03/2014
5) AQAR	2006-2007	submitted on	30/03/2014
6) AQAR	2007-2008	submitted on	30/03/2014
7) AQAR	2008-2009	submitted on	30/03/2014
8) AQAR	2009-2010	submitted on	30/03/2014
9) AQAR	2010-2011	submitted on	30/03/2014
10) AQAR	2011-2012	submitted on	30/09/2012
11) AQAR	2012-2013	submitted on	30/09/2013

1. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

## **CRITERIA-WISE ANALYTICAL REPORTS**

### **CRITERION I: CURRICULAR ASPECTS**

Ponda Education Society, College of Arts and Science, was established to provide the needs of higher education for the economically backward, and marginalized sections of the society of Ponda Taluka and nearby areas, as the opportunity of higher education was not available to these section of people, as they could not afford to travel long distance. At P. E. S. College we decide to impart the best of the quality education to our stakeholders. We are today proud in the 28<sup>th</sup> year of our existence that we have succeeded in achieving the goals and are marching ahead with lots of challenges to face in the changing scenario of the higher education in this globalized world. Our Vision and Mission statements highlight the role we have to play in the future of preparing youth to become capable, useful, responsible and upright citizens of the county and the global village. Our college is fulfilling the needs of especially the rural masses. The college offers a wide range of courses in combination with core courses and programmes. The curricular aspects will highlight our contribution in providing an atmosphere where an all round development of personality will take place.

#### **1.1 Curriculum Planning and Implementation**

##### **1.1.1 Vision, Mission, Goals and Objectives of the College**

###### **Vision**

- Is to be a Centre of Higher Education that prepares youth for becoming capable, useful and upright citizens, able to face challenges faced by the country and the global village.
- Is to act as catalyst for a holistic development of the rural community.

###### **Mission**

- By ensuring that our faculty is highly qualified and committed to the transference of high levels of knowledge and values to the students.
- By promoting activities that inculcate student community interaction for meeting the local needs.
- By evolving programmes that will enable the students to find practical applications of the knowledge gained.
- By providing an atmosphere where an all round development of personality is possible.

### **Goals and Objectives**

- To provide an opportunity for higher education to the rural population of the surrounding areas.
- To provide opportunity for the quality education that is value-based and career oriented.
- To inculcate among the students and staff a sense of patriotism for strengthening the unity, diversity and solidarity of our nation and to uphold the spirit of unity in diversity as well.
- To encourage the faculty in improving their academic qualifications, training and experience and in the pursuit of research, so that they are well versed with the latest development in their field respective subjects.
- To create an atmosphere in which the best possible curricular, co-curricular and extra-curricular programmes are available to the students for their all round development

Communication to students, teachers, staff and stakeholders

The Vision, Mission, Goals and objectives of the college are made known through the following ways:

1. College Handbook and Calendar
2. College Website
3. Admission process
4. Orientation programmes
5. Display at prominent places
6. Displays in the Classrooms, Halls
7. Annual College Magazine
8. Regular talks with the students
9. Meetings of the teachers, students' council and other meetings.
10. PTA and Alumni Association meetings.

### **1.1.2 Action Plans for Implementation of Curriculum**

University provides the curriculum framework as ours is an affiliated college. The necessary changes in the curriculum are informed by the university from time to time and these changes in the curriculum are discussed by the faculty at the department level. List of the texts, equipments, chemical, teaching aids such as maps, charts, models, bio-specimens and other requisites, required are ordered with Principal's consent, so that the material is available well in time and the teaching programme is not delayed or affected. Number of our faculties is appointed/nominated as members on various Boards of Studies (BOS), Academic Council and other committees of the affiliating university, as approved drafts of the syllabus are available in advance through these members. Heads of Department also gets the information on syllabus in advance during their interaction with the faculties of other institution representing such university bodies. The blue print for the conduct of lectures and practical's is prepared at the beginning of the academic year and it is uniformly implemented throughout the year. The examinations are held according to the program decided by the college which is informed well in advance to the students.

- The Principal convenes meetings with heads of departments to design various strategies for effective implementation of the curriculum and other co-curricular programmes. The head of the department discuss the action plan as per the direction of the Principal with their respective departmental faculty members during departmental staff meetings.
- The action plan is prepared for the next academic year in a staff meeting held in the month of April and various committees are formulated for planning and execution.
- Heads of the Department convenes departmental meetings and prepare departmental plan of activities. Distribution of the teaching workload and other responsibilities is done in the meeting held in the month of April of the previous academic year. So that the teacher get ample time for academic preparations.
- Calender Committee prepares Calender of academic, co-curricular, extra-curricular activities to be conducted during the academic year after getting inputs from the teaching departments, sports, examination,

administrative sections of the college. Copy of the draft calendar is circulated to all the departments before printing it in the College Handbook and Calendar of the academic year.

- At the beginning of the academic year or semester every faculty member prepares teaching plan for effective implementation of the curriculum. Teachers prepare their lectures, practical experiments and outdoor activities such as field work, training programme, etc. minutely with consideration for proper execution and use of the suitable teaching techniques and aids. Every teacher maintains a teaching diary wherein teaching plan and its implementation is maintained. The diaries are submitted periodically to the Head of the department and Principal for scrutiny. This ensures that curriculum assigned to the teachers is covered with due weightage and in time.
- After the completion of the admission process students are assigned into different divisions as per their subject combinations and practical batches (for subjects having practical component), a timetable is formulated which optimally utilizes the available resources so that students get an adequate exposure to their chosen subject regularly. The class and practical work is so designed so as to have a fairly compact time table.
- At the beginning of the new academic year or semester the Principal addresses students giving opening remarks on the curriculum structure and discipline to be maintained. A subject orientation programs for the students by the departments are conducted during which they gauge the needs and aspirations and try to gather information about strengths and weaknesses of the students. Since majority of our students come from rural and economically marginalized background, first generation learners it becomes mandatory for the teachers to groom them adequately so as to make them pursue the goals of the college. First week of every semester is utilized for making the students aware about the curriculum, teaching plan, examinations, importance of attendance, discipline, etc.
- Whenever there is a change in curriculum, teachers are encouraged to attend seminars/ workshops organised by the BOS in different colleges to make teachers familiar with new curricula, question paper setting, etc.



There is uniformity in teaching and implementation across all the institutions in the state. The outcome of the workshops is shared with the other faculties in the department and with the students if required. Our college has also taken lead in organising such seminars and workshops for example, departments of Botany, Zoology, Chemistry, Mathematics, Philosophy and Political Science have organised such programmes.

- There is a unique project paper of 100 marks for the V<sup>th</sup> and VI<sup>th</sup> semester. The concerned staff member is allotted number of students who then finalize the topics for the project in consultation and plan the aims, objectives, feasibility of the proposal, collection of literature and executes the project by collection of data, empirical analysis, field work experimentation and culminating into a submission of a detail report which assessed by the internal and external examiners
- Planning of the examinations of the college is done by the College Examination Committee. The committee prepares the time table for the Intra Semester Assessments (ISAs) and Semester End Examination (SEE) as per the ordinances of the Goa University and conducts the same.
- The departments reviews the teaching programmes in terms of lectures and practicals in the middle of the semester and takes the feedback from the students in order to conduct extra classes and remedial coaching for the weaker students. This feedback also helps the students to overcome their difficulties.

### **1.1.3 Institutional Support for the Teachers**

The Goa University updates the curriculum by reviewing it regularly keeping in view the changes that take place in education and industry by involving college and university teachers, subject experts from the state and outside states, national institutes, industries and other stakeholders.

- The university provides the entire course syllabus, list of text and reference books, list of practical experiments / titles / programs etc. which enables the teacher to follow the curriculum for each semester. University through respective Board of Studies prepares blue print of the model question papers and sends it to colleges along with revised curriculum. Generally whenever changes (major or minor) are made in the curriculum, university informs the college before the onset of new academic year.

- University through concerned Board of Studies organises seminars, workshops, conferences for the college teachers to make them aware of revised curriculum for effective implementation in their respective colleges. College encourages the staff to attend the same. Our college has also organized such workshops as mentioned in 1.1.2 above.
- University extends library facility to the teachers of the affiliated colleges. University departments also depute senior faculty for guiding the teachers in the colleges on request.
- The state level subject associations for example All Goa Association of Zoologists, Botanical Society of Goa, Goa Economics Association, Indian Association of Physics Teachers, Association of Chemistry Teachers Goa, etc. also conduct workshops for the college teachers for its uniform implementation.
- In addition to above university regularly organizes refresher courses, orientation programs workshops and short term courses to acquire knowledge for enhancing their teaching proficiency. Besides, the faculty of the college also discusses issues or problems, if any, while participating in the meetings of the Board of Studies or through their colleagues who are members in Board of Studies for effective curriculum implementation. To attend the aforementioned programmes organized by the university and other affiliating colleges' teachers are sanctioned duty leave, TA, DA and registration fees are also paid by the college.
- College provides required infrastructure and facilities for the effective implementation of the curriculum by strengthening the library with books of required titles & numbers, Journals, Magazines and by providing Laboratory equipments, glasswares, chemicals, teaching models, softwares, LCD and modern teaching aids so that teachers are able to ensure effective delivery of curriculum and upgrade the learning resources.
- Experts in different fields are invited to deliver lectures on latest trends in their areas of specialization/work-experience in addition to the topics in the curriculum. Any guidance required by the teachers, in the course of implementation of the curriculum, then it is sought by the teachers from their respective university departments and peers.

- Department-wise meetings are conducted to discuss and plan, academic and other related programs for the academic year and to ensure the transmission of curriculum is done in the best possible manner.
- Teaching aids like maps, charts, globes, models, Bio-specimens, PowerPoint, slides, LCD, video films, etc provided by the institution are used for the effective communication of the syllabus to the students. Home assignments, oral and objective testing, quiz contests, seminars and group discussions are used for enhancing the students' knowledge in topics included in and outside the syllabus.
- The Faculty development Programme of the college also helps in the up-gradation and training of the faculty. The college encourages the faculty members to be a part of various statutory bodies of affiliating and other universities.

#### **1.1.4 Contribution of the Institution for Effective Curriculum Delivery**

- Many of our faculty members regularly contribute to university level curricular transactions like course restructuring, syllabi restructuring, and syllabi revisions. Some of our faculty members were resource persons for syllabi workshops. Many of them are in evaluation tasks like paper setting, assessment and moderation. This sort of participation and experience at the university level leads to effective delivery of the curriculum at the college.
- College prepares an academic calendar, time table and a holiday list. Teachers prepare teaching plan for the effective transaction of the curriculum. The curriculum and the part of syllabus covered from time to time are regularly monitored. Measures are taken up for the loss of lectures by conducting extra-classes on Sundays and holidays to make up for the loss.
- The students are taken on educational tours, industrial visits, educational institutions, and places of historical importance, heritage sites, zoological parks, botanical gardens, chemical laboratories and socially important institutions to provide them a firsthand knowledge of various aspects pertaining to their respective subjects. Study tours are part of the curriculum

for the students of Botany and Zoology. After the tour/trip students are required to submit a field report as per the curriculum. The college is using the best, modern, innovative and student-friendly methods of teaching, learning and evaluation. For effective curriculum transaction by the faculty, the college has equipped one seminar hall and an audio visual auditorium with mounted LCD projectors. Portable LCDs and other facilities are also used. Most of the classrooms are equipped with OHP.

- For revised and recent topics, where reading material is not available, the teachers prepare suitable study materials and the same is provided to the students in printed or hand written form or soft form. For example department of Chemistry has published a manual of practicals.
- The departments in addition to regular lectures and practicals conduct tutorials, problem solving, computer simulation are also used as a tool. Secondly in life sciences the department chalks out a detailed program for the conduct of field trips and study tours for their respective classes. The faculty members apart from their regular time table, plan remedial teaching after identifying weak students who need special attention and guidance. The staff members attend seminars, workshops, conferences related to their subject to enhance their knowledge in the field and present papers based on their research. The faculty members also helps the students prepare research papers, posters and accompany them to seminars, and workshops meant for students within and outside the state.
- The departments have subject associations with student members which train them in organizing guest lectures, hold competitions and interactive sessions. The department of Psychology in association with the Counseling Cell advises students on stress management and effective use of time. Some departments have successfully established learning resources for the needy and desirous students like books, study material, soft data bases and audio visual aids.
- The language departments of the college encourage their students to participate in various literary fests and festivals, workshops, events, competitions and literary gatherings besides attending lecture series by eminent personalities organized by institutions pioneering in literature like Konkani Academy, Kala Academy, Marathi Academy, Gomant Vidya Niketan, etc  
All the above measures have helped in streamlining the effective curriculum delivery.

### **1.1.5 Network with Industry, Research bodies and University**

- The faculty members of the college are in constant touch with the academic bodies of the University like the BOS and the Academic Council wherein constant interactions take place with regard to the depth of the syllabus to be dealt with in the stipulated time frame. Principal of our College was a member of E.C. of Goa University. One of our faculty member Mr G.P.P. Khanolkar was appointed as Conroller Of Examination of Goa University (2010-11). Some of the faculty members have completed their Ph.D. in service by availing leave under FIP of UGC and State Government, at Goa university, Mumbai University, Karnataka University, and other universities, by using facilities from various research institutions in country. The Science departments of the college do have contacts and interactions with the university, laboratories and industries to understand their needs in order to fulfill the aspirations and expectations of the students who pass out from the institution.
- The department also organizes talks from professional and experts from industries and research laboratories for the benefit of the students. The faculties plans and executes industry based students projects in collaboration with industries utilizing their facilities in order to familiarize different process involved in the commercial production, packing, effluent treatment,etc.. The departments also networks with research funding agencies like UGC, MOES, CSIR, ICAR, ICHR, NIO and CIL for obtaining projects to upgrade the department with chemicals, glassware, instruments, as well as books, furnitures, computers etc.
- The departments organize study trips to research and academic institutions for exposing the students to the latest technology and instruments. In the case of biological sciences, students are taken for excursions outside the state where they are exposed and interact with organizations like Central Drug Research Institute, Crocodile Breeding Centre, Bose Research Institute, Mines and other environment related organizations.
- The departments of Arts have been networking with the Tourism industry, Museums, Archaeological Survey of India, Institute of Psychiatry and Human Behavior, Economic Survey of India, Census, NGO's, Research Bodies and Corporate fields where the students are exposed to a variety of medias which enrich their general knowledge academically and otherwise.
- Collaborative activities, academic interactions with university departments, research institutes, forest, health, animal husbandry departments of the state, NGOs, research instituties, etc, and their suggestions helps in operationalization of curriculum.

- In the Language departments the writing skills are a part of the curriculum, it is enhanced by the workshops conducted under the guidance of experts in which students learn compeering, interviewing techniques, writing for different Medias, book reviews and to prepare the text for advertising. This also equips them with the skills they need to work on the Computer. Besides students are also trained in learning new scripts like Modi, Graffiti and Calligraphy which bring out the additional talent of the students. The students of the third year have a project paper of 100 marks, and are specially given topics like the above, this interaction of the students institution during the project better their chances in the job placement after graduation.
- Papers like Moral Philosophy, Environmental Ethics and Philosophy of Value Education have been introduced as enrichment courses to enable the students to be able to appreciate and value the problems that affect the modern society and develop an appropriate and harmonious attitude towards the environment and society.

#### **1.1.6 Contributions of the Institution/Staff for Curriculum Development**

Most of the senior faculty members across the departments have been nominated on the BOS over the years where they have actively participated in the matters concerning the framing and the implementation of the syllabus. A discussion with faculty of other institutions is also effective in devising new methods of effective completion of the curriculum. When the new syllabus is designed by the University, workshops are conducted by the BOS in collaboration with the colleges in order to reorient the teachers with the new syllabus.

Faculty members on the BOS always make it a point to obtain feedback from the students and the alumni regarding the curriculum. Efforts are made by the faculty to interact with the Chairperson of the BOS, deans and other members of the University for Effective Changes in the curriculum as per the need. Need based and job oriented topics have been suggested by the faculty members for the inclusion in the syllabus during its revision by the BOS

Our institution has always acknowledged our students as the major stakeholders and their feedback is sought every year and recorded. The performance each teacher is analysed and their input is taken as suggestions for improvement for the next academic year. The suggestions are accepted as constructive criticism and used to improve the teaching methods. Peer review method is used for teacher feedback and syllabi are discussed through formal and informal meetings of the teachers of the other colleges and suggestions are effectively worked upon.

### **1.1.6 Development of Curriculum by Institution for the Courses offered**

The department of Political Science offers a UGC and Goa University approved certificate course in Human Rights Education in the non-conventional category. It is an interdisciplinary course open to students, teachers and others. It is a flexible course in terms of instructional design and teaching practices. The lectures are delivered by a large number of invited guest speakers apart from the regular lectures conducted by the course coordinators and faculty members. Being a flexible and student friendly course its time management and lecture schedule is decided as per the convenience of the students. Assessment of students is based on two inter semester assessments, projects and field work reports. Audio-visual aids are extensively used to deliver lectures and presentations. Students are encouraged to submit online home assignments and presentations. It is a short term job oriented course of 6 months.

### **1.1.8 Analyses of Curriculum by Institution**

The various departments of the college have developed communication channels amongst all the stakeholders to ensure that the objectives of the curriculum are achieved through critical analysis like the students performance. This is carried out through internal assessments and semester end examinations. Project work, presentations, organizing seminars and workshops, skill based programs and curricular based training. It seeks the quality enhancement of the faculty members through participation in national and international seminars, workshops, discussions, etc. Faculties are encouraged to go through improvement programs and to obtain higher degrees like M.Phil and PhD, pertaining to the areas of their specialization, paper presentations and publications in reputed journals.

Students guide scheme is another method existing in the institution in which each teacher functions as a guide for a number of students from the undergraduate classes. These students meet their guide or mentor each semester a number of times. The teacher maintains a record of the difficulties faced by the student in class, outside and in their homes. In this manner the mentor interacts with the teachers regarding the students' problems and tries to effectively rectify the problems of the students in any particular subject. This enables the faculty members to remove the problems which plague students today. The students are guided into being more extroverted and adjust to the new environment of college life. Behavioral problems are tackled and the students experience a new enthusiasm.

The departments also focus on its mainstream objectives which application based oriented teaching which are useful to day to day life. The students are taught effective methods like mnemonics and various other techniques to improve their personality, way of speech, effective time management etc. Topics are based on self development and overall growth. Career development and growth is looked after by use of career counseling. It also seeks the practical application by helping the students to improve their communication skills, personality development. Career development is enhanced by career counseling

## **1.2 Academic Flexibility**

### **1.2.1 Goals and Objectives of the add on Courses**

The college has a certificate course on Human Rights Education for 6 months. Its goals include to make knowledge accessible and affordable and to spread awareness amongst students and to equip them to face global challenges. Its objectives include enhancing, enriching and empowering the rural and marginalized student community to face the world better equipped with Human Rights knowledge. It also seeks to maintain academic standards through creative and innovative teaching. The academic program is prescribed by the University and is made to suit the goals and objectives of the institution.

### **1.2.2 Twinning/Dual Degree**

The Institution currently does not offer any programs that facilitate twinning or dual degree.

### **1.2.3 Provisions for Academic Flexibility**

The Institution has the largest number of combinations offered to the students of Science and Arts at the entry point as well as the final year. They have varied choice to choose subjects and combinations of their choice keeping in mind their aptitude, abilities, interests and future plans. The admission committee of the institution guides the students to choose the subject combinations of their choice through personal interviews and keeping in mind the marks obtained by them, the students are advised on what subject combination they should choose. This provision offers opportunities for our students to develop their skills in the subject of their aptitude and interest for various activities organized by particular



departments for the all round development of the students besides the curricular and co-curricular activities. Students who desire to pursue higher studies are trained by the faculty members to answer competitive and entrance exams of the various universities.

This growth prepares them for the future courses that they may choose for their career like B.Ed, LLB, MBA, Mass media and Mass Communication which are potentially employable courses as well as opportunities for self employment. These combinations along with departmental activities, academic, curricular and co-curricular help the students in development of skills. The Academic mobility provided to them improves with the correct choice of combinations meant for specific courses. Like for example learning school subjects helps one to get into the teachers training course. Also learning of Political Science makes the field of LLB easier. Learning of Chemistry opens up several avenues to the students while learning of Psychology equips the students in skills of stress management, self evaluation and enhances their potentiality to deliver. Like wise other subjects also help the students in their higher studies and respective professions and thus improve their potentiality for future employment.

The fields like Physics, Mathematics, Botany and Zoology helps students to join courses like MCA, MBA, Bioinformatics, Biotech, Marine Sciences and MSW. The NSS activities help students to train them for their future course of action like joining MSW, Spoken English and Written English courses help students in the area of good communication and learning of Information Technology helps students to learn ICT tools for their future prospects.

#### **1.2.4 Self-financed Programmes**

The Institution currently does not offer any self financed programmes, but aims at fulfilling this goal as a means for expanding the horizon of educational programs in the near future.

#### **1.2.5 Additional Skill Oriented Programmes relevant to Regional and Global Employment Markets**

The Institution formally does not provide additional skill development courses however it informally imparts skills to all its students while meting out the Curriculum set by the University. This is done by enriching the syllabus with skill development strategies like personality development, self exploratory exercises

which lead to the enlightenment of ones strengths and weaknesses and subsequent development of the students' strong points which give them an edge over the rest in the regional and global employment markets.

### **1.2.6 University Flexibility for Combining Programmes**

Presently the University does not provide for the provision of flexibility of combining the conventional face to face and distance mode of education for students to choose the courses of their choice.

## **1.3 Curriculum Enrichment**

### **1.3.1 Institution's Efforts to Supplement University's Curriculum**

Our institution caters to rural students from remote and inaccessible areas, hence keeping in mind the situational necessities, our Institution admits pupils of all strata of society. The institution supports and upholds the vision of mass education in the State of Goa. Thus the institution makes maximum efforts to satisfy, provide and enrich the students. We acknowledge the deficiencies of the students and the institution makes an all out effort to take the Universities curriculum, reach out to the students and help them to assimilate the curriculum and prepare them to be upright citizens to face the challenges faced by the Country and the Global Village.

The mission of the institution has always been to have highly qualified and committed faculty. Our departments of Science receive Curriculum from the University but in the subject of Zoology, it is structured with specificity. They have a small window of freedom to include examples of locally available animals which are included so that our students can relate to them. Our area is blessed with rich and evergreen forests and our institution is surrounded by beautiful and scenic villages which facilitate understanding of the subject matter and learning. The project work in the V<sup>th</sup> and VI<sup>th</sup> semester ensures that the students make an intensive study of the biodiversity and how the environment can be protected and nurtured. They also study the different animals and plant groups, fresh water and back waters, survey of soil organisms and their research adds to the existing data of knowledge. In this field the scientific research is very limited. Therefore the findings of their research prove to be valuable in adding to the existing research.

The department of Arts has been making a tremendous effort to maintain a high standard of morality and integrity in the students. The students are oriented in the study of political, economic, socio-cultural and religious aspects in the

surrounding areas including the study of the marginalized societies, eminent personalities and personality disorders. The students are also made to carry out projects on ancient medieval monuments and heritage. The University curriculum implements the theory and we supplement this by providing the students with effective skills for communication and improving one's personality and stance, anger management, stress management and effective and creative utilization of time in collaboration with the teachers and faculty of the Psychology department and the Guidance and Counseling Cell of the College.

The students also receive tips on memory and mnemonic methods of studying and remembering from the faculty members through the teacher guide scheme or the mentoring of the students by the faculty members for guidance on personal and related matters. The students are taken for field trips and study tours where they get a hands on experience of the practical application of the theory which augments their learning process in the classroom. All these methods enrich the curriculum and inculcate community responsibility in the students which helps us fulfill the overall mission that is "To promote activities that inculcate student community interaction to meet local needs by evoking programs that enable the students to find practical application of the knowledge gained by providing an atmosphere where an all round development of personality is possible"

### **1.3.2 Efforts of the Institution to Modify, Enrich and Organize the Curriculum**

There is a very little scope to modify the curriculum given by the University however the institution takes feedback from students pertaining to evaluation of teachers and the course content. This feedback is conveyed to BOS by the faculty members as and when they become members of the BOS. It is our proud privilege to put on record that through the effort of our senior faculty members many changes have been brought about in the University syllabus and curriculum thereby pioneering changes and ideas and adds a local touch to the University curriculum. This has been our indirect contribution in our "virtual" modification of the Universities curriculum enriching and organizing to reflect the experiences of the students and to cater to the needs of the dynamic employment market. The departments of the institution enrich the theoretical base provided by the University by enriching them with the practical uses of the subject. With this experience it is observed that the students are able to handle the basic issues and problems faced by them. Besides this our Placement Cell in collaboration with the various departments of the College holds workshops, seminars and talks from eminent companies, CEO's, army and navy officers who place in front of the

students the various career options and advancement. This prepares the students for the dynamic employment market and also aligns them into the fields of their choice with a sense of direction.

The Language departments of our College have been training our students to make successful careers in mass media as well as print and visual fields, where students have taken successful strides due to the effective course content in writing skills, communication skills, news items for which they are well trained by our faculty members

### **1.3.3 Efforts of the Institution to Integrate Issues in the Curriculum**

The Institution handles the issue of gender delicately. Our students with rural background are carefully oriented towards social justice and gender equality. For this purpose, we started a Women's Cell in order to sensitize the girl students to the various deviations in society like psychological disorders. This sensitization is done by organizing seminars and workshops where experts advise and apprise our students on solving gender related problems. They are taught about acceptance of gender especially the decreasing birth rate of the female child. Each student of our Institution is trained to represent a counselor in each family thus slowly but systematically bringing a change in the viewpoints of society. The Institution celebrates International Women's day wherein seminars, workshops and talks are conducted on gender related issues. In the Language departments gender based literature written by women specifying problems and dilemmas faced by women are highlighted along with how these problems could be effectively resolved.

The Anti-Sexual Harassment Cell of our institution guides and prepares our students from becoming victims of sexual harassment and equips them with skills on how they can handle women grievances. The students are also sensitized on issues of global warming, air and water pollution. Our Institution also has an environment related Survival Nature Club, where students become members by paying a nominal entry fee. It undertakes programs, excursions, tree plantation drives and celebrates important events and dates in order to sensitize students towards our ecology and environment. Our Survival Nature Club is effectively run by our students under the guidance of our faculty members.

Environmental Studies is a subject taught as a part of the University syllabus. Guest lectures on environment awareness are imparted by bringing in the experts and the free lancers. The college also celebrates World Environment day. The faculty members have been creating awareness amongst students in energy conservation programs like bi-cycle-day, use efficient lighting, plastic free

campus, turning off electrical devices, plantation of new trees, reuse and recycle day, best out of waste competitions , NSS etc.

Environmental Ethics is a subject taught by the Philosophy department along with the subject of Value Education in order to sensitize the students on the issues of the philosophy behind the protection of environment and human values. The institution has also started a certificate course in Human Rights Education in 2010 sponsored by the UGC. It sensitizes our students towards Human Rights of self, peers, community, genders etc. it orients them towards specific careers like Masters in Social Work (MSW). This blending between conventional and professional courses is working wonders in our students' lives.

The Anti-ragging stricture from the Institution has prevented any incidents of ragging so far in the College Campus. The Indian Constitution is a fundamental part of the Universities curriculum and our Institution puts in optimum efforts in following its guidelines. Our Institution provides facilities to use ICT tools like the LCD and OHP as a part of effective teaching. We also have a well equipped Computer Lab for conducting practical's for the students, a Seminar Hall with built in ICT tools, a Gymnasium, a reading room etc. The offices as well as the library have internet facilities which are used by the teachers as well as the students.

#### **1.3.4 Value added Courses/Enrichment Programmes**

The Philosophy department of the Institution has a paper on Moral Philosophy which deals with the application of Philosophy and sensitizes the students on the topics on the way of life, bio-socio ethics, professional ethics and crime and morality. It deals with the Man-Nature relationship and how and why man should protect nature. The department also has a paper on Philosophy of Value Education which imbibes in the students the sense of Indian as well as Western values. It aims at the fulfillment of the purpose of life and seeks the holistic development of the students. In the philosophy of Environmental Ethics, students are sensitized about how each individual is responsible for interaction with the environment and bound by a pledge to protect the environment for the survival of mankind. The college NSS team regularly visits the surrounding areas and villages to promote awareness on the various social, moral and ethical principles of life. The different departments also organize coaching classes, communication skills training, workshops, group discussions and talks by resource persons to help students to face challenges and problems in the form of interviews, peer pressure, failures, lost opportunities and academic related problems.

The students are given career counseling and advised on the path they should choose based on their personality type and personal preferences. They are equipped with valuable life skills like a good personality which gives them an edge over the rest in the job market. They are oriented towards ensuring a community with a better mental health and a sensitive approach to people with disabilities. This ensures the all round development of each student. Values are also inculcated through the study of literature.

### **1.3.5 Feedback from stakeholders to Enrich Curriculum**

The Institution considers the students to be the major stakeholders in the field of education as such they are provided with an excellent opportunity to evaluate all aspects of teaching when they carry out a teacher's assessment. Through the feedback obtained from the students, their suggestions were viewed constructively and various implementations have been made based on their suggestions like better field trips, group discussions on current issues and trends, creative assignments and application based topics. The lecturer also takes in feedback on their delivery of lectures and caters to a maximum learning experience through creative methods like audio visual delivery of the curriculum and knowledge.

Informal feedbacks are also obtained from students so as to facilitate the understanding of the course content vis-à-vis their expectations, comfort level and to indicate the gaps envisaged by them. Student's feedback is taken after the completion of the syllabus and of each teacher usually at the end of each semester.

Alumni feedback is taken formally during the annual meet and informally during the faculty alumni interactions. Through the feedback obtained from parents, their suggestions were acted upon and an effective communication system was developed with them to ensure the performance reports of their children reached them regularly and was being monitored. Also additional lectures were implemented to help students who had a difficulty in keeping pace with the subject. The curriculum was thus enriched by methods which gave them holistic learning and a deeper understanding. Feedback is also obtained from the employers when the students and teachers meet during industrial visits. Feedback is also obtained from visiting faculty and guest lecturers. All this feedback is then analyzed in the light of the course content, design, syllabus, faculty involvement and the quality of teaching and is accordingly processed for the holistic learning process and a deeper understanding of the students. Our Institution considers parents, alumni, employers and academic visitors as equal partners or stakeholders in the field of education.

### **1.3.6 Monitoring/Evaluation of the Quality of Programmes**

The Institution has a program of teacher-evaluation system by the students at the end of each semester. Faculty members of each department monitor and evaluate the quality of its teaching program through the analysis of teaching assessment done by the students. The parents also give their reactions and feedback to the teachers when they visit the college or meet them at the PTA meet. The departments take in the feedback from all its stakeholders who give suggestions on the enrichment initiatives taken by the department. These are then referred to the Head of the Institution who studies them and makes effective suggestions.

## **1.4 Feedback System**

### **1.4.1 Contributions in the Design and Development of Curriculum**

Many of our teaching faculty members are on the Board of Studies of Goa University. Some of the teachers are also the members of the Academic Council of Goa University. Teachers offer suggestions to the Board Studies regarding the design and implementation of the curriculum. The syllabus framed by the respective BOS has to pass through the Academic Council of the Goa University. Many of our members in AC offer constructive suggestions and corrections with regard to the curriculum.

### **1.4.2 Mechanism to Obtain Feedback from Students on Curriculum**

Feedback is discussed at various levels in the college. Students are asked various questions by the teachers regarding the improvement of curriculum. Alumni Association is also sensitized on this matter at their annual meeting. P.T.A. is also briefed about this matter as and when time permits. All this information is gathered and transmitted to the University through our elected AC members and the member of BOS in their respective meetings

### **1.4.3 New Programmes/Courses of the Institution**

The college has started a certificate course in Human rights in the department of political science, through the grants sanctioned by UGC. It is just an added course for the students to enrich them with the issues of human rights.

## **CRITERION II: TEACHING-LEARNING AND EVALUATION**

### **2.1 Student Enrolment and Profile**

#### **2.1.1 Publicity and Transparency of Admission Process**

The commencements of admissions are informed to students/parents/public with the help of an advertisement in the local as well as national daily newspapers soon after the HSSC examination result of Goa Board. Also the admission notice and schedule is displayed on the college notice board. The Handbook and Calendar contains detail information regarding the location of the college, vision and mission, infrastructure, the rules of admissions, working hours, teaching and non-teaching staff, courses offered, Examination schedule, college calendar, university regulations, extra-curricular activities, prizes and awards, and other special activities undertaken like career counseling, Subject association, etc. is made available to admission seeker.

The admission process of the College is based on the philosophy that access to quality education is the fundamental right of all citizens and education for all. The College is committed to serving rural masses, the economically and socially backward and marginalized sections of society and to this end, privileges them in the admission process.

The admission process starts immediately after the result of the HSSC (10+2) examination of Goa Board is declared. The process of admitting students to various courses is carried out as per the norms laid down by the Goa University and the Directorate of Higher Education, Government of Goa. The transparency is ensured by timely display of merit lists indicating marks and waiting lists. Fees are charged as per rules of Goa University and Payment of fees is made by the students directly in the bank accounts.

#### **2.1.2 Criteria for Admissions**

Every year admission committee is constituted to look into the finer aspects of admissions and counseling is provided to the students who desired to seek about the various subject combinations. Various norms, rules and regulations of the Goa University and the State Government are followed and implemented while giving admissions to the various courses of the college. The entire admissions of the college are monitored by the admission committee.



For subject combination where the applicants are more than a merit list based on their marks is prepared and displayed on the notice board of the college, whereas in the case of subject combinations where the number of applicants seeking admission is less than the number of seats available the admission given on the first cum first serve basis.

Generally college makes sure that no student applying for the admission remains without admission. Preferences are given for outstanding students in sports, cultural and other activities. If the number of students are more than the stipulated strength of the division than permission for new division is sought from Directorate of Higher Education and Goa University.

### **2.1.3 Percentage of Marks and Urban/Rural Classifications for Admissions**

The college is located in rural area its motto is to empower the students coming from backward and marginalized sections of the society therefore the students satisfying minimum eligibility condition are given admissions to the two programmes

The following tables (Table 1 to Table 4) describe the admission of the college for Arts and Science programmes. Table 1 and 3 shows the admissions given on the basis of merit and other considerations like percentage of marks scored and students with number of attempts. Whereas Tables 2 and 4 shows the admissions of the college on rural/urban classification.

**Table 1: Information about Admission from 2002-03 to 2013-14 for Arts on the basis of results.**

Year	F.Y. Admission										
	XII <sup>th</sup> with 2 <sup>nd</sup> /3 <sup>rd</sup> attempt		XII <sup>th</sup> with 1 <sup>st</sup> attempt Pass class		XII <sup>th</sup> with 1 <sup>st</sup> attempt Second class		XII <sup>th</sup> with 1 <sup>st</sup> attempt First class		Total		
	B	G	B	G	B	G	B	G	B	G	T
2002-03	1	1	3	7	13	41	6	13	23	62	85
2003-04	3	10	4	0	18	44	3	20	60	42	102
2004-05	4	10	4	6	23	46	9	22	40	84	124
2005-06	5	15	6	17	14	44	2	15	27	91	118

2006-07	5	18	7	10	11	52	2	18	25	98	123
2007-08	3	25	0	5	8	48	11	36	22	114	136
2008-09	5	9	6	7	22	60	1	22	34	98	132
2009-10	8	24	4	7	16	63	8	25	36	119	155
2010-11	6	12	2	6	18	71	9	33	35	122	157
2011-12	2	18	6	8	41	33	10	41	38	121	159
2012-13	1	11	7	9	27	82	10	50	45	140	186
2013-14	-	-	6	10	22	59	8	47	36	116	152

**Table 2: Information about Admission 2002-03 to 2011-12 for Arts on the basis of rural/urban**

YEAR	F.Y. ADMISSION						
	RURAL		URBAN		TOTAL		
	B	G	B	G	B	G	T
2002-03	23	49	0	13	23	62	85
2003-04	24	65	4	9	28	74	102
2004-05	34	80	6	4	40	84	124
2005-06	24	88	3	3	27	91	118
2006-07	25	80	0	18	25	98	123
2007-08	18	87	4	27	22	114	136
2008-09	28	75	6	23	34	98	132
2009-10	29	101	7	18	36	119	155
2010-11	30	101	5	21	35	122	157
2011-12	32	106	6	15	38	121	159

2012-13	41	126	05	14	46	140	186
2013-14	59	76	07	09	66	85	151

Table 3: Information about Admission 2002-03 to 2011-12 for Science on the basis of Results

Year	F.Y. Admission										
	XII <sup>th</sup> with 2 <sup>nd</sup> /3 <sup>rd</sup> attempt		XII <sup>th</sup> with 1 <sup>st</sup> attempt Pass class		XII <sup>th</sup> with 1 <sup>st</sup> attempt Second class		XII <sup>th</sup> with 1 <sup>st</sup> attempt First class		Total		
	B	G	B	G	B	G	B	G	B	G	T
2002-03	1	3	1	2	35	53	5	27	42	85	127
2003-04	10	16	0	0	21	36	3	20	34	72	106
2004-05	6	4	3	0	33	34	3	24	45	62	107
2005-06	11	24	0	1	18	41	4	18	33	84	117
2006-07	5	25	0	9	8	60	3	21	16	115	131
2007-08	10	16	1	2	19	46	4	16	34	80	114

2008-09	8	22	2	0	16	54	1	16	27	92	119
2009-10	12	23	0	0	23	28	15	33	50	84	134
2010-11	3	8	0	0	28	38	10	38	41	84	125
2011-12	0	0	3	9	17	29	8	25	28	67	95
2012-13	-	-	-	-	36	72	9	42	45	114	159
2013-14	-	-	-	-	28	55	8	39	36	94	131

Table 4: Information about Admission 2002-03 to 2011-12 for Science on the basis of rural/urban.

YEAR	F.Y. ADMISSION						
	RURAL		URBAN		TOTAL		
	B	G	B	G	B	G	T
2002-03	38	73	4	12	42	85	127
2003-04	26	65	8	7	34	72	106
2004-05	36	41	9	21	45	62	107
2005-06	23	67	10	17	33	84	117

2006-07	15	106	1	9	16	115	131
2007-08	31	69	3	11	34	80	114
2008-09	23	79	4	13	27	92	119
2009-10	39	60	11	24	50	84	134
2010-11	30	67	11	17	41	84	125
2011-12	20	50	8	17	28	67	95
2012-13	40	102	05	12	45	114	159
2013-14	32	84	04	10	36	94	130

#### **2.1.4 Mechanism to Review the Admission Process**

The admission process and student profile is reviewed annually. The admission committee discusses with the principal, reviews the admission process and makes necessary changes required on the basis of experience of the previous year. Student council's suggestions if any are also considered. This helps in streamlining the admission process.

#### **2.1.5 Strategies Adopted to Admit Different Categories of Students**

The college provides admission to all sections of the society. We do not discriminate any candidate on the basis of caste, religion, language, etc or any other considerations. To overcome all the difficulties inherited by cultural background or by means of natural inequality in the society. The following steps are taken:

- SC/ST----- As per Govt. policy
- OBC-----As per Govt. policy
- Women----- No specific rules
- Differently abled----- Extending all possible facilities
- Minority----- Equal justice to all
- Any other-----In case of economically weaker students efforts are made by the college in the form of financial and other assistance so that they complete their higher education.

For differently abled students the college has made all necessary infrastructural changes like ramp, railings, etc. Fellow students are encouraged to help and assist the differently abled students.



**Table 5: Information about Reserved Category Admissions from 2002-03 to 2013-14 for Arts**

Year	F.Y. Admission										
	SC		ST		OBC		OTHERS		TOTAL		
	B	G	B	G	B	G	B	G	B	G	T
2002-03	2	1	0	0	6	18	15	43	23	62	85
2003-04	0	1	2	1	8	15	18	57	28	74	102
2004-05	0	0	4	6	6	19	30	59	40	84	124
2005-06	1	1	2	7	9	15	15	68	27	91	118
2006-07	0	4	2	12	6	15	17	67	25	98	123
2007-08	3	4	2	12	2	19	15	79	22	114	136
2008-09	0	0	4	9	6	30	24	59	34	98	132
2009-10	2	4	7	22	6	28	21	65	36	119	155
2010-11	0	1	2	7	11	25	22	79	35	122	157
2011-12	0	1	3	14	2	29	33	89	38	121	159
2012-13	1	1	8	26	13	40	24	73	46	140	186

2013-14	0	0	5	11	16	46	15	59	36	116	152
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**Table 6: Information about Reserved Category Admissions from 2002-03 to 2013-14 for Science**

Year	F.Y. Admission										
	SC		ST		OBC		OTHERS		TOTAL		
	B	G	B	G	B	G	B	G	B	G	T
2002-03	0	0	0	0	10	16	32	69	42	85	127
2003-04	2	0	0	0	10	15	22	56	34	72	106
2004-05	1	0	8	1	5	10	31	51	45	62	107
2005-06	0	2	1	10	8	14	24	58	33	84	117
2006-07	0	2	1	9	4	24	11	80	16	115	131
2007-08	0	0	6	10	7	18	21	52	34	80	114
2008-09	0	2	1	14	12	22	13	58	26	92	118

2009-10	0	0	6	8	10	31	34	45	50	84	134
2010-11	0	1	1	14	10	25	30	44	41	84	125
2011-12	1	0	3	12	9	16	15	39	28	67	95
2012-13	1	0	4	10	15	30	26	74	45	114	159
2013-14	0	0	4	19	14	31	19	44	37	94	131

**Table 5 and 6 above shows admissions taken in the college by the reserved category students.**

### **2.1.6 Trends of Admissions for Programmes**

College gets vast number of applications for taking admissions in the college for the undergraduate programmes of Arts and Science. Table 7 below shows the trends of admission from 2002-03 onwards. As far as possible we admit all the desirous students to our courses. We even admit the A.T.K.T. and students passing with more then one attempt.

**Table 7: Admissions to Undergraduate Programmes of the College, 2002-03 to 2013-14.**

Programs	Number of applications	Number of students admitted	Demand ratio
UG			
1. F.Y.B.A			
2002-03	85	85	100%
2003-04	102	102	100%
2004-05	124	124	100%
2005-06	118	118	100%
2006-07	123	123	100%
2007-08	136	136	100%
2008-09	132	132	100%
2009-10	155	155	100%
2010-11	157	157	100%
2011-12	159	159	100%
2012-13	186	186	100%
2013-14	152	152	100%

2. F. Y. B. Sc.			
2002-03	127	127	100%
2003-04	106	106	100%
2004-05	107	107	100%
2005-06	117	117	100%
2006-07	131	131	100%
2007-08	114	114	100%
2008-09	119	119	100%
2009-10	134	134	100%
2010-11	125	125	100%
2011-12	95	95	100%
2012-13	159	159	100%
2013-14	131	131	100%
Certificate Course in Human Rights Education			
1. 2010-11	11	11	100%
2. 2011-12	10	10	100%
3. 2012-13	22	22	100%
4. 2013-14	03	03	100%

Admissions depend on the number of students appearing at the H.S.S.C.Examination and its results. In the case of science new professional institutions are started in the last few years. However our strength at the two programmes has not shown drastic decrease.

## **2.2 Catering to Diverse Needs of Students**

### **2.2.1 Catering to Needs of Differently-abled Students**

The small minority of differently-abled students normally takes admissions for our programmes. All Govt. policies are executed in spirit and letter in case of differently-abled. The college has ramps, railings and other facilities for their easy accessibility to the college.

For the visually and hearing impaired students special attention is given during the lectures and examinations by way of special sitting arrangement in classroom and examination halls. Writer or scribe is allowed at the time of examinations. Fellow students are also encouraged to help and assist such students.

### **2.2.2 Assessment of Students for Programmes Offered by the Institution**

The students are personally interviewed and counseled by the admission committee to know the different skills of knowledge possessed by them. Similarly, principal also assesses their need in terms of knowledge and skills.

### **2.2.3 Strategies of the Institution to Bridge the Knowledge Gap**

To bridge the gap of knowledge of the enrolled students, weaker, slow learners, students having no background knowledge of the subject are identified. Some of the departments conduct remedial courses for their benefit.

Some of the bridge/remedial/add-on/enrichment courses conducted is:

- English department organize Spoken and written English Course.
- Departments conduct additional lectures, tutorials and other activities of different durations.
- Bilingual explanations in classroom lectures and discussions.
- Personal attention and help is rendered by the teachers.
- Simplified versions of books are recommended to them.
- Soft skills and personality development programmes are also conducted to improve students' personality.

### **2.3.4 Sensitizing Staff and Students on Gender, Inclusion and Environment Issues**

The college being a co-education institution imparts holistic education with importance on the ethical and moral values. The college regularly sensitizes its staff and students on issues such as gender, inclusion and environment by taking the following measures:

- Celebration of Special Days
- Faculty Development Programme ,
- Encourages faculty and students to organise and participate in workshops seminars and sessions on the above topics in the college and participate in such activities organised by other institutes ,
- Encourage students to have interaction and discussion on this issues.
- Encourages and implements activities of Women cell, Survival Nature Club, Subject Associations, NSS, Red Ribbon Club and Arts and Science forum activities.
- Talks and lecture sessions are conducted on social ethics, civil liberties and social responsibilities.
- Film and documentary screenings followed by discussions on environment and wild life conservation.
- Motivating to keep a clean and litter-free environment in college premises and campus.
- Inculcating twin values of equality and brotherhood.
- Blood Donation Camp, Awareness drives like, Anti plastic drive, Anti tobacco drive, Road and Traffic safety in association with NGOs like MARG (Movement for Amity towards Roads in Goa’)/Traffic Cell of the Goa Police.
- Nature walk, bird watching, poster competition, photography competitions, exhibitions and lectures by eminent environmentalists

### **2.3.5 Identification and Response of Special Educational/Learning Needs of Advanced Learners**

The academic performance shown during the lectures and practicals and which is reflected in the results and also interactions under the student's teacher guide scheme helps in identifying the advanced learners.

Response

□

- Encouraging and mentoring them to participate at state/national level intercollegiate and state competitions such as quiz, drawing, debate, elocution, essay writing and all other competitions
- Encouraging the advanced learners to deliver class seminar, talk, presentation etc. on various topics of interest.
- Advanced instrumental training is also being imparted to the advanced learners to make them proficient to meet the demands of industry and society as well.
- Providing with opportunities for leadership and organizational responsibility.
- Challenging assignments are given to them to sharpen their skills and to stir up their enthusiasm in the subject.
- Encouraging and mentoring them to participate in creative activities.
- Providing more books as per their needs from the department libraries
- Motivating them to participate in research activities
- Personal attention by the teachers.

These students are felicitated with endowment prizes sponsored by the different agencies and college teachers. Principal's Award for Best out going Arts and Science graduate is based on academic performance of the three years.

### **2.2.6 Academic Performance of Dropouts- Data and Information**

Interaction of the teacher with student under student teacher guide scheme helps in identifying slow learners and potential drop outs and also economically weaker section. The heads of departments have regular feedback from the colleagues of the department regarding the enrolment, attendance, punctuality, reasons of absenteeism, attendance for the class tests and ISA and SEA exams, etc. to identify the students at risk of drop out. The major reasons of drop out are found to be financial condition, inability to cope with studies and marriage. Weak students are always at a risk of dropping out and needs to be tackled very critically because once drop out, the student can easily fall victim to all kinds of social evils. Based on the above identified reasons, the following remedial



measures are taken by the college:

- The morale of the slow learners is boosted by periodical counselling, remedial classes and interactive sessions.
- Financial problems are solved by fee concessions given by the college under different schemes. At times, some faculty member also voluntarily pays full fee on behalf of such student. Students belonging to this section are also allowed to pay fees in instalments. Student Aid Fund of the college partially fulfills the financial requirements of some of the students. Students are encouraged to take part time job after college hours or on holidays.
- In case of early marriage of girls the senior faculty attempts to convince such girl students and their parents to postpone the marriage until after the final exams and to continue the study after marriage.
- Role of counselling by teacher guide (mentor), subject teachers and counsellor is helpful in many cases.

## **2.3 Teaching-Learning Process**

### **2.3.1 Planning and Organization of Teaching, Learning and Evaluation**

#### **Schedules**

There are various academic committees in the college which plans and organizes the teaching, learning and evaluation schedules. The following is taken into consideration:

#### **Academic Calendar**

Calendar committee prepares the academic calendar taking into consideration the various activities to be conducted during the next academic year as per instruction from the Goa University and the Goa Government. The plan for the next academic year is finalised in the last week of previous academic year. Each department hold meetings and take decision on academic issues like subject combinations, execution and implementation of the curriculum.

**Time table:** Time table for regular lectures, practical is framed by the time table committee which is spread over and utilizes the available resources to the maximum potential. Time table are displayed on the notice board before the beginning of the academic year.

**Teaching plan:** Each faculty prepares a teaching plan of the respective semester of the academic year. Teachers maintains teacher's diary wherein teaching plan is

recorded. The teaching plan is prepared and followed by the members of the faculty and is scrutinized by the HoD/Principal to ensure that the entire syllabus is covered.

### **Evaluation Plan**

Examination committee prepares evaluation plan, as per Goa University ordinances and statutes. ISAs of all semesters and SEEs of Semesters I,II,III,IV are conducted by college and SEEs of Semester of V and VI are conducted by Goa University.

Dates of examinations (Theory and Practical), assessment of answer books, announcement of results, Verification of answer books, etc. are decided by the college Examination Committee and communicated to concerned stakeholders well in time after approval of the Principal. Students are sensitized to 75% attendance necessary for appearing at the ISA and SEE. The evaluation methods for ISAs such as tests, assignments, seminars, projects are informed to the students well in advance.

### **2.3.2 Contribution of IQAC to Improve the Teaching-Learning Process**

The IQAC ensures the quality of teachers' academic contributions and educational practices with respect to the students. The practices used are cross checked and evaluated to make them best suited to harness learning abilities and interests of the students. Effectiveness of teaching is also continuously monitored to maintain a high standard of education.

### **2.3.3 Support Structures and Systems for Student-centric Learning**

Learning is made student-centric by providing creative examples and team-work projects to give them a hand-on experience with the practical application of the theoretical explanations. Students with study problems are counseled with mnemonic techniques and motivated to perform better, by making continuous effort to improve the teaching learning methodology by using Learner Centered pedagogy by 1) Involving in Preparation of assignments, class room seminar on curricular topics and projects, Problem Solving Method (Problem based learning), 2) Encouraging the students for active participation in the interactions during classes, Group discussion, Educational Field Trips, Industrial/ research institutes visits and Report writing, Screening of video films and discussions on the same, books and news paper/ magazine article review, contribution in College Magazine, seminars, Participation in Quizzes, elocution and debates, Computer and Web based learning, Project Work, practical work, and 3) Making use of Displayed models and charts, library facility, internet facility Museums (Botany and Zoology) and botanical garden, etc. Learning is made student-centric by

providing creative examples and team-work projects to give them a hand-on experience with the practical application of the theoretical explanations. Students with study problems are counseled with mnemonic techniques and motivated to perform better. Departments and their subject associations organise guest lectures by inviting Subject Experts. Students are motivated and encouraged to interact with the Subject Experts to gain rich knowledge and get clarified their doubts on their subjects. Students are also encouraged to participate in such seminars/workshops organised by other institutions.

Providing of infrastructure such as Language laboratory, modern equipments in science laboratories, enriched central and departmental library, book bank facility, museum in the department of Zoology& Botany, Botanical garden, etc. has enhanced the process of making the teaching learning activity student centred. College wants the faculty to change their role as mere lecturers to that as content facilitators, , learning tasks designers, advisers/ counsellors, assessors, technologists, etc. Faculty is encouraged to participate in the Seminars /Workshops for training and retraining for the the use of modern techniques and technologies of teaching organised by the college and other institutions. Audio video resources are made available to faculty to make amalgamation with traditional methods of teaching easier.

#### **2.3.4 Promote Critical Thinking, Creative and Scientific Temper among Students**

The students are encouraged to represent the college in various activities outside the college. This gives them a new exposure and develops an art of critical thinking. When they participate in various science activities like essays/quizzes/poster/oral presentations, this leads them to transform into life-long learners and innovators. Frequently, they get prizes/encouragement from outside, thus, developing into creative and scientific temperament.

To nurture critical thinking, creativity and scientific temper among the students and make them life-long learners and innovators following activities are undertaken

Student centric teaching methods like Interactive teaching, discussion methods, Classroom seminars and presentations, group seminars, assignment methods, review of books/ articles/ research papers, etc.

Encouraging students to participate in academic, cultural and sports competitions at state and national level.

Departments of science associate theoretical and practical classes with scientific excursions and field work related excursion. Field trips , study tours , visit to research institute, industries and other institutes are encouraged. The students are encouraged to participate in research projects, to attend national and international conferences/ seminars/ workshops. Our students have presented papers at state and national level.

Innovative ideas of students are appreciated and encouraged by involving them in various activities of the / programmes such as poster preparation, exhibition, wall paper activity, inter/ intra departmental competitions, Intra and Inter collegiate competitions organised by the Subject associations. They are involved in the organisation and management of such programmes.

Each final year graduating students take up a research project as a part of the curriculum.

Involvement in N.S.S. projects / programmes organisation of Intra and inter collegiate cultural and sports events, participation in mock parliament competition, student's council activities and extension activities and cultural events throughout the academic year.

### **2.3.5 Technologies Used for Effective Teaching**

Following technologies and facilities are available for the use of faculty members for effective teaching: Well-equipped laboratories, well-developed and upgraded central library and library of every department, well-equipped computer laboratory, well-equipped language lab, ICT-and audio and video equipped seminar and conference hall, OHPs in Class rooms, 8 LCD projectors, Museum in the department of botany and Zoology, models, charts and maps, educational VCDs, TV, computers in all the departments of the college, Central internet facility, etc.

These facilities are used regularly by faculty. Besides, the students are guided with a list of web-sites as additional reference to promote e-learning. Some orientation is also given to the students regarding e-learning and communication technology. Our faculty uses technology based of teaching mode (use of PPTs, Video clips) in addition to Chalk duster mode of delivering lectures,

### **2.3.6 Exposure to Advance Level of Knowledge and Skills**

Throughout the year, the students as well as the teachers are encouraged to participate in seminars, workshops and conferences. This naturally updates their knowledge with the latest developments in the field. It also improves the general knowledge and awareness in students.

Renowned scientists, academicians and speakers are invited to the campus to deliver lectures on recent and innovative topics. Students and faculty are thus provided opportunities to interact with these speakers which help to enrich their knowledge and quest for excellence.

Science departments arrange visits to places like wild-life sanctuaries, Goa University departments and national laboratories like NIO, ICAR, NCAOR, FSI, etc. Departments of History, Philosophy, Psychology,, organise study tours, students and faculty of language departments participate in Sahitya Sammelan's and other literary festivals, book fairs, etc.

Departments also organizes student seminars and presentations to help students to prepare expertise in the topics and also to develop their communication. Seminars and guest lectures are organized on regular basis by all the departments to update the knowledge of the faculty.

### **2.3.7 Support for the Students on Academic, Personal, and Psycho-social etc.**

'Student's teacher guide' scheme is existing in the institution in which each teacher functions as a guide for a group of about 10 students. Meetings of these students and teacher guide are frequently held. The teacher maintains a record of the performance, difficulties faced by the student inside and outside class, as well as at homes. Student's expresses their difficulties with the teacher. Teacher play an important role in identifying the academic, psychological and personal needs of students and helps them in overcoming these problems. .Academic advice is provided till they graduate.

Personal and psycho-social support is also provided to the students by addressing their problems by the teachers. In case of any uncircumstantial incidence in the family of student, the faculty visits the home of the concerned and caters to the social and emotional needs of the family members. Psychology department and counselling and guidance cell lends a helping hand to the students so that they can cope up better with the demands and pressures of social/family problems, and increasingly competitive world.

Through the extra and co-curricular activities like NSS, sports, cultural, subject association activities and field trips the faculty forges closer ties with the students and act as mentors and counselors. Academically and economically backward students are counseled by the faculty. Our collge is known for good teacher-student relationship.

College has a counselling and guidance cell with a professional counsellor for the students. The functions of the cell are as: To conduct tests to identify aptitude and

inclination of students. To familiarize them with a different career options available. To help students chalk out academic roadmaps, tackle their problems related to stress, anxiety, examination phobia, peer pressure. To enable students to integrate themselves, to handle relationship problems, obsessive and compulsive behaviours, etc.

### **2.3.8 Innovative Teaching Approaches/Methods**

The faculties are active and progressive in thinking and are willing to innovate and create new ideas in teaching. As the teaching and learning process is ever changing, the faculties are adopting innovative methods in teaching such as teaching through video clips, documentaries and films,, assignments, group discussions, seminar presentations, oral presentations, experimental learning through games and simulations, role play, concept teaching through a bridge course, PPTs, transparencies, wall paper activities, problem solving, internet and websites, field trips and study tours,teaching grammar /pronunciation through digital software in the language lab,etc.

Necessary infrastructure like seminar room and an auditorium with ICT and audi visual facility has been developed. All science departments and arts staff room in the institution have a computer facility. Central internet facility, well equipped library gadgets like LCD, laptop, webcam, handcam, microphone, portable sound system, etc. are provided. The senior faculty is encouraged to take up trainings and courses to learn the knowhow of the ICT resources in education and the young faculty already familiar with them is being encouraged to apply and exploit their knowledge for better and more fruitful teaching.

### **2.3.9 Library Resources for Teaching-Learning**

The Library has a spacious reading hall for the purpose of general reading and reference work. A separate reading and reference space for staff is provided in the library.The library has about 20050 books and 61 Encyclopedias, 32 journals, 182 VCDs, CDs, DVDs, etc. Reprographic facilities is made available to the students of our college. Many vernacular and English newspaper and periodicals are subscribed by the library for the benefit of reader to keep them abreast on what is happening around them and also to keep the track of the latest advancements in a area/field of interest. Question papers of ISA and SEE1 exams of previous years in all the subjects are made available to the students. Copies of syllabi prescribed by the university and all other information on the curriculum like question-wise division of marks,paper patterns, etc. are also made available to students for ready reference. The library staff keep the faculty and the students updated regarding its latest acquisitions. The new

titles are displayed on the display boards at the entrance of the library. Faculty visits library for reference work for curriculum and research projects and for general readings. Students are encouraged to visit library to do the reference work for their assignment, day to day learning and Project work. Besides, the departmental libraries also supplements efforts by main library by way of providing/ circulation of books among the students to enhance their knowledge and learning. Book bank facility is also available to the students.

### **2.3.10 Challenges Faced in Completing Curriculum**

Teaching programme is carried out by every faculty as per the teaching plan prepared and submitted at the beginning of the academic year/ semester. Lectures missed on account of academic and other programmes, duty and personal leave are compensated by engaging extra lectures on Sundays and holidays with the permission of Principal.

### **2.3.11 Monitoring and Evaluation of Quality of Teaching-Learning**

The college has created necessary infrastructure for enhancing teaching learning process.

The Principal regularly meets the Head of Departments and takes feedback and reviews the teaching-learning progress of each department.

The scrutiny of Teacher's Diary by head of the department/Principal, feedback from Parents at the time of collection of result, students feed back in Teacher's evaluation, feedback from out going students. Performance in ISA and SEE helps in evaluating the quality of teaching and learning. Also the quality of the assignments and projects, participation of students in curriculum related competitions and events, performance in co-curricular activities helps to measure/evaluate the quality of teaching learning process.

Teachers are constantly evaluated with the help of feedbacks from the students. The information gathered from the feedback is considered positive and constructive. Efforts are made for the improvements. Teachers also use an informal peer review method to evaluate themselves. Teachers are also encouraged to update their knowledge and engage in research activities to contribute to the domain of knowledge.

## 2.4 Teacher Quality

### 2.4.1 Quality of Human Resource

The college maintains the standard of highly qualified faculty to ensure the best quality education for its students. The teachers play a major role in the framing and implementation of the syllabi. This is carried out through the approval of the Board of Studies of the respective Departments through successive meetings and supplementing and upgrading the existing syllabus. They ensure that the curriculum requirements and standards are maintained meticulously.

Heads of department submits the expected workload for the next academic year, at the end of current academic year. Based on this an NOC is sought by the college from the Government to recruit the additional staff wherever necessary. College advertises the posts and the interviews are conducted as per the statutes of Goa University.

The teacher appointed on regular basis is on probation period. Once the probation is over the teacher is confirmed.

As of May 1, 2014

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-					
Ph.D.	01	-	12	10	0	03	26
M.Phil.	-	-	02	01	01	09	13
PG	-	-	03	01	02	02	08



Temporary teachers							
Ph.D.						03	03
M.Phil.						0	0
PG						04	04
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

#### **2.4.2 Coping with Demand/Scarcity of Qualified Senior Faculty**

The college has not started any new interdisciplinary or programmes from emerging areas in the last few years. Therefore so far college has not faced any demand or scarcity of qualified senior faculties. The existing senior faculties are competent to teach the existing programmes.

### 2.4.3 Faculty Development Programmes

#### a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	29
HRD programmes	20
Orientation programmes	27
Staff training conducted by the university	05
Staff training conducted by other institutions	10
Summer / winter schools, workshops, etc.	34

**b) Percentage of faculty**

- \* invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies
- \* participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies

YEAR	INSTITUTION		STATE		NATIONAL		INTERNATIONAL	
	LEVEL	LEVEL	LEVEL	LEVEL	LEVEL	LEVEL	LEVEL	LEVEL
	Resource person	Participated	Participated	Presented	Participated	Presented	Participated	Presented
2001-02	4%	90%	10%	31%	17%	05%	Nil	Nil
2002-03	01%	100%	63%	07%	43%	06%	Nil	Nil
2003-04	Nil	92%	23%	33%	13%	16%	Nil	Nil
2004-05	Nil	82%	09%	45%	24%	24%	02%	Nil
2005-06	Nil	100%	59%	41%	33%	25%	Nil	Nil
2006-07	Nil	93%	43%	27%	12%	04%	04%	09%
2007-08	Nil	97%	57%	12%	31%	22%	04%	10%

2008-09	Nil	100 %	82%	24%	19%	08%	09%	Nil
2009-10	Nil	78%	55%	12%	25%	10%	Nil	Nil
2010-11	Nil	100 %	53%	02%	12%	14%	04%	04%
2011-12	Nil	96%	74%	22%	06%	41%	Nil	04%
2012-13	Nil	98%	53%	14%	20%	22%	05%	Nil
2013-14	Nil	100 %	60%	20%	20%	18%	08%	08%

\* presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

**c) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning**

College have organized in last few years workshops, meetings, orientation programme, training and soft skills development programme in order to empower and enhance and also enable the teachers to use various tools and technologies for improved teaching learning processes. As mentioned elsewhere in this report the departments have organized different curricula related workshops and symposia.

**2.4.4 Policies/Sytems to Recharge Teachers in the Institution**

College does not have any special provision for research grants. The teachers are provided with all facilities to promote research and academic publications. Sanction of Duty leave and financial provisions

to attend conferences, workshops and seminars. Encouraging teachers to avail benefit of the UGC schemes to attend International Conferences. Encouraging collaborative research with University, Industries, and research institutions.

The college also allows teachers to attend Orientation and Refresher Courses as per UGC norms and schedules.

Faculty is encouraged to prepare and submit research proposals to funding agencies like , DST(govt. of Goa), DST(Govet. of India), UGC, ICSSR, etc.

Adjustments in time table for those pursuing Ph. D. with out availing study leave.

Study Leave (FIP) under UGC and State Govt scheme is granted to pursue Ph.D.

The following are the names of the faculty members who availed the FIP leave to pursue and complete their Ph.D:

1. Dr. Sunita R. Borkar (2001-2002)
2. Dr. Satish H. Keluskar (2004-2006)
3. Dr. Milind N. Kulkarni (2004-2006)
4. Dr. Caroline Fernandes (2004-2006)
5. Dr. V. D. Vaze (2003-2005)
6. Dr. R. G. Shetkar (2003-2005)
7. Dr. Jeronimo G. R. Monteiro (2007-2009)
8. Dr. Shrinivas D. Gokakakar (2005-2007)
9. Dr. Vikas J. S. Pissurlekar (2008-2010)
10. Dr. Girish V. S. Kundaikar (2009-2011)
11. Dr. Padmaja V. Kamat (2009-2011)
12. Mr. Bhushan V. Bhave (2013-2015)

#### **2.4.5 Awards for Faculty for Excellence in Teaching**

The following faculty of the college has achieved awards for excellence:

1. Dr. S.H Bhonsle has bagged the “Bharat Shiksha Ratan Award”
2. Late Dr. Kasturi N. Dessai bagged the “Green Earths Award”
3. Dr. (Ms) Harsha P. Uskaikar bagged a research award for the chemistry college teacher for best paper.
4. Dr. V.J. Pissurlekar: Third Prize for the Best paper presentation “Synthesis and magnetic properties of ultrafine Mn - Zn ferrite materials obtained by photocatalytic decomposition of precursor”, at National Seminar on Advanced Materials-2010, Department of Physics, Shivaji University, Kolhapur, 19 - 20 March 2010.
5. Dr. Sunita Borkar: 1. Poster on production of pigments by hydrocarbonoclastic microorganisms, was awarded the best poster at the National Seminar on: Recent Advances in the discovery and use of Bioactive Molecules organized by school of BioSciences, St. Xavier College, Mapusa, 7<sup>th</sup> and 8<sup>th</sup> March 2008.
6. Authored a paper entitled “Potentials of Alkaliphiles from Coastal Ecosystems of Goa as Plant Growth Promoting Bacteria” which was selected as best paper at National Conference on plant sciences organized by Department of Botany, Chowgule College from 7<sup>th</sup> to 8<sup>th</sup> February 2013.
7. Dr. R.G. Shetkar: First prize for Best Paper presentation award at the International symposium on material chemistry at BARC Mumbai 4-8 Dec 2006 for the paper Preparation, characterization and catalytic CO oxidation studies over Sr, Nd & Sm Manganites.

#### **2.4.6 Evaluation of Teachers by Students**

The college has introduced the evaluation of teachers by the students through a questionnaire wherein students assess teachers on various teaching-learning parameters at the end of the academic year. The feedback obtained is analyzed and necessary improvement is brought about by the faculties in their performances.

## **2.5 Evaluation Process and Reforms**

### **2.5.1 Awareness of Evaluation processes**

The handbook provided to the students contains the broad plan of evaluation that is chalked out by the University and adopted by the College.

### **2.5.2 Evaluation Reforms of the University**

The scheme of evaluation is included in the college handbook which is purchased by the students at the time of admission

The scheme of evaluation is explained to the students in the presence of their Parents at the time of Admission. Detail information is given during the first week of the academic year as apart of the orientation.

University circulars – in hard and soft form- about evaluation processes are made available to the HoDs and members of examination committee and communicated to the students. The HODs share the information further in the meetings of departments

The faculty thoroughly discuss about the new syllabus and the exam system in classroom. Teacher guide also make their student wards aware of the same.

The faculty of College is informed of the evaluation processes introduced by the Goa University through staff meetings. Senior faculty from other institutions are invited to orient faculty of the on the evaluation/examination process. Senior faculty and Examination committee of the college also guide on evaluation processes.

### **2.5.3 Univeristy/ Institution Evaluation Reforms**

The University has introduced the semester system with ISA (Intra-SemesterAssessment) and SEE (Semester End Examination) as assessment modes for all UG programmes. University has allowed flexibility in the conduct of ISAs.

The college has appointed an examination committee to carry out the effective implementation of ISA and SEEwhich prepares schedule of the ISA and SEE emaminations, Printing of question papers, invigilation chart, Assessment of answer books, results preparation. ISAs and SEE are centralized to ensure total transparency in the conduct of exams.

#### **2.5.4 Approach Adopted to Measure Student Achievement**

- Examination Committee, Unfair Means Inquiry Committee and Grievance Committee are constituted by the college.
- University circulars are displayed on the notice boards and scheme of evaluation is included in the college prospectus.
- Examination schedule is declared one month before commencement of examination.
- Schedule of question paper setting by the examiner (zero error), Printing of question paper (zero error), assessment of answer books, preparation of results of Semester I, II, III, IV is strictly followed.

#### **2.5.5 Monitoring and Communication of the Progress**

College conducts SEE and ISA exams of Semester I, II, III and IV and also ISA of Semester V and VI. The academic progress of the students is monitored on continuous basis through performance in ISAs, and SEEs, Internal evaluation being formative, the scores are made available to make additional attempts for those who wishes to improve. Scores of internal examinations are communicated to students. Printed result cards are issued to the students after finalization of result at the end of each semester. The progress and performance of the students both in internal and external examinations is discussed in the staff/ departmental meetings.

The detail performance of the students who has secured University ranks and their results are in Annexure VIII

#### **2.5.6 Rigor and Transparency in Assessment**

As per the the University Ordinance internal and external assessment are conducted for 20% and 80% respectively. The appearance at the ISA is compulsory. Two ISAs are conducted for every semester. The college declares the dates for the ISA I and II one month before scheduled dates. Centralised time table is prepared to ensure uniformity in the conduct of examination.

Complete transparency is maintained in the internal assessment. The students are informed in advance about the weightage, portion of the syllabus/topics to be covered and details of ISA exams. Marks obtained in ISAs are announced within 15 days. Answer books are shown to the students Discrepancy occurring therein is taken care of by the concerned teacher.



The question-answer test (objective type of question) designed to test not only the subject knowledge of the student, but also their analytical and problem solving skills. Assignment is tested based on content/concept understanding, logic, structure, and references

### **2.5.7 Indicator for Evaluating Student Performance**

Student's performance in each paper and practical in ISA and SEE is analysed in the departmental meetings. SEE results of all courses are analysed in the staff meeting. The shortcomings if any are duly noted and the students with low performance are given remedial teaching.

The student's teacher guide scheme plays a vital role in analyzing and responding to shortfalls in achievement of learning outcomes.

Learning outcomes are also reflected in the Student's participation, involvement and performance in Co-curricular and extra curricular activities

The Institution collects and analyses the data for every possible necessary positive change that are required so that the students are motivated to achieve academic heights and fulfill the primary goal of becoming dutiful and responsible members of society.

### **2.5.8 Redressal of Grievances to Evaluation at College and University Level**

Grievance committee is constituted under Goa University ordinance to look after the grievances of the students who are not satisfied with the assessment of their SEE answer books. Under this ordinance the answer books are shown to the students at the time of verification of marks in the presence of the student and the Principal or the Vice-Principal and the concerned examiner, if such a request is made by the student after paying required fees. If the student is not satisfied with the results after the personal verification, then he/she may write to the Grievance Redressal Committee, explaining his/her ground of grievances. The Committee looks into the grievances and if necessary recommends a re-evaluation of the answer book to the Principal.

□

The College Unfair Means Inquiry Committee investigates into cases of unfair means and malpractices adopted by students during the SEE. Similar arrangement is there at University level.

## **2.6 Student Performance and Learning Outcome**

### **2.6.1 Learning Outcomes of the College**

The college has clearly stated learning outcomes. It seeks the all-round development of students and equips them with the knowledge and skills to become successful and hard working in their respective fields. The objectives are stated in the Hand Book which is purchased by the student at the time of admission. The learning outcome is also made known to the students during the regular meetings conducted by the Principal with the faculty and the students.

### **2.6.2 Teaching, Learning and Assessment Strategies of the Institution**

The teaching, learning and assessment strategies are in tune with our goals and the guidelines laid by the University. The college has a practice of maintaining a teacher's diary in which the teaching plan and delivery of lectures are systematically recorded. Seminars are also planned and organized by the departments, so also educational movies are shown to the students to facilitate a critical outlook in each student. Workshops are also planned and organized under the respective subject forums. A semester wise analysis is carried out by each department to know the progress of the students. The students who are experiencing difficulties with the subject are given coaching by the teachers and certain cases are referred to the college counselor. Regular evaluations are also carried out of the teachers by the students and the improvement based on the feed back is taken by the faculty. In this way we ensure that the quality of the achievement outcomes are taken care of.

### **2.6.3 Measures/Initiatives taken by the Institution to Enhance the Social and Economic Relevance of the Courses Offered**

The Institution has collaboration with industries and other organizations to ensure internships and training for its students. The college also has a placement cell headed by the teaching faculty. This cell receives requests from different organizations and industries for skilled manpower. Campus interviews are also organized. The feedback obtained from the recruits is evaluated and analysed in order to get good placement for the upcoming batches. Besides this, the various departments and committees of the colleges organize talks, seminars, workshops, etc. on such topics as communication, responsible citizenship, motivation, etc.

Involvement in Extension and NSS activities of the college enhances social relevance of the courses. The college magazine, 'Aditya' provides an excellent platform to students to express their creative writing skills. Educational/field visits organised

help students to understand practical issues. The college organizes interactive talks which are delivered by eminent persons/experts of various fields of social interest.

#### **2.6.4 Data on Student Learning Outcomes for Planning and Overcoming Barriers of Learning.**

The Institution collects and analyses the data of the academic achievements at the departmental level. The shortcomings if any are duly noted and the students with unsatisfactory performance are referred to the college counselor. The quality of teaching is constantly monitored and the teachers are encouraged to broaden their horizon of knowledge by conducting research, attending national and international workshops and seminars etc. The students are motivated to achieve academic heights and fulfill the primary goal of becoming dutiful and responsible members of society. Apart from this Student's performance in each paper and practical in ISA and SEE is analysed in the departmental meetings. SEE results of all courses are analysed in the staff meeting. The shortcomings if any are duly noted and the students with low performance are given remedial teaching.

The student's teacher guide scheme plays a vital role in analyzing and responding to shortfalls in achievement of learning outcomes. Learning outcomes are also reflected in the Student's participation, involvement and performance in Co-curricular and extra curricular activities

#### **2.6.5 Monitoring of Achievement of Learning Outcomes**

The achievements of learning outcomes are monitored by analyzing a record of internal evaluation, semester end examination and university exam results of the students. Department wise and subject wise analysis of performance and assessment is done at regular intervals. Categorizing slow and advanced learners is carried out and policies are framed accordingly. A plan for the following year is drawn to improve on existing performance. Reviews are carried out by the Principal through staff meetings to improve the learning outcomes of the Institution. The college ensures that all possible support in terms of physical infrastructure, ICT facility, enhanced library and laboratory facility is made available to aid teachers to create a more student-centric learning environment.

### **2.6.6 Graduate Attributes specified by the College/University**

The graduate attributes are reflected in the vision and mission statement of the college. These includes

- Capable and responsible citizens
- Holistic view of life
- Readiness to face challenges
- Ability to solve problems

The students of the college are always encouraged to participate in the curricular, extra-curricular and co-curricular activities of the college. They are also encouraged to participate in various competitions and activities conducted by other colleges in Goa and India.

### **CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**

Research calibre of an institution gives an idea about the intellectual level of faculties in using, analysing and focussing on the thrust areas of teaching and learning processes.

#### **3.1 Promotion of Research**

##### **3.1.1 Research Center**

College does not have a research center but plans are on to set up a research centres in Botany Chemistry, Physics, , Microbiology, Zoology, Economics. History, Political Science and Philosophy. Research Cell in collaboration with Arts and Science foras, which gives platforms for research activities. Foras are involved in organizing talks/seminars/ workshops/conferences. Research Cell takes care of publishing the research findings of the faculty through in-house journal “Sounved”.

##### **3.1.2 Research Committee**

College has a Research Cell consisting a Convenor and six other members having research background.

Recommendations made by the Research Cell are:

1. Encouraging the faculty to upgrade their qualification leading to M.Phil/Ph.D., by recommending FIPs/Study Leave.
2. Faculty to prepare & submit the research proposals for minor/major projects to different agencies.
3. To organize seminars/conferences/workshop/intercollegiate competitions in the college.
4. Faculty & student to present research papers in Seminars / conferences (Regional/National/International)
5. Faculty to publish research work in reputed journals.

The impact of the recommendation of the research cell has resulted into 13 faculties acquiring Ph.Ds, 4 more are in the process of completion, 10 staff members have qualified with M.Phil degree during the post accreditation period. Further the faculties have completed/ongoing 28 minor/major research projects funded by MNES, DST- Goa, SERC, DST – Nano mission, UGC, CSIR & BRNS in the post accreditation period.

### 3.1.3 Implementation of Research Schemes/Projects

- ❖ Autonomy is provided to principal investigator undertaking major/minor research projects.
- ❖ Given full freedom to do research work in respective areas.
- ❖ Sanctioned funds are released from time to time.
- ❖ Man power & infrastructural facilities are made available to the researcher.
- ❖ Audit is done regularly.
- ❖ Utilisation certificate and statement of accounts are submitted to the funding agency on completion of the project.

### 3.1.4 Policies to promote Research Culture

The policies to promote research culture in the college are:

- ✓ By assigning research oriented projects to final year students.
- ✓ By conducting study tours to research institutes (CSIR, ICAR).
- ✓ Inviting eminent speakers from research institutes to deliver talks on latest research topics.
- ✓ Motivating students to participate & present papers in the national seminars, intercollegiate competitions.

### 3.1.5 Faculty involvement in Active Research

Dr. Jeronimo G. R. Monteiro was an External Examiner for evaluating the Ph.D Thesis of Mrs Jyoti Patil of Tilak Maharashtra Vidyapeet, Pune.

Faculty as Guide: Ph.D.

- ✚ Dr. Badruddin, Dept. of Political Science is recognized Guide for Ph.D. by Goa University
- ✚ Dr. (Mrs.) Sunita Borkar, Dept. of Microbiology, is a Co-guide for Ph.D of Ms. Teja Gaonkar. Ms. Neha Prabhu, under Goa University
- ✚ Dr.( Mrs.) Carolina Fernandes, Dept. Of microbiology is a Co-guide for Ph.D of Ms. Sanika Naik, under Goa University.

M. Phil.

Faculty Guide	Dept.	No. Of students	University	Name of students
Dr. S. V.	Botany	03	Periyar	Mrs. Ranjita Sawaikar,

Kamat				Mrs. Vanita Halarnkar, Mrs. Lynette Fernandes
Dr. S. H. Bhosale	Zoology	02	Periyar	Mrs. Deepa Fernandes, Mrs. Teja Gramopdhye
Dr. A. S. Tilve	Chemistry	01	Madhurai Kamraj	Mrs. A. B. Kanolkar
Dr. Harsha Uskaikar	Chemistry	02	Madhurai Kamraj	Mrs. Brenda Baretto, Mrs. Fatima Cardozo (Carmel College)
Dr. Sunita Borkar	Microbiology	01	Vinayak Mission's	Teresa Jose

The faculty is actively engaged in research. The following are the ongoing/completed minor/major research projects – undertaken during the post accreditation period.

Sr. No	Title of the Project	Principle investigator/ co-investigator	Date of sanction and duration	Date of completion	Amount (Rs.)	Sponsoring organisation
1.	World Philosophies (written in Konkani Language)	Dr.Kamladevi Kunkolienker	April 2004	May 2006	12,000	Goa Konkani Academy
2.	Studies on bio-efficacy of a few entomogenous Fungi from Goa against <i>Anopheles stephensi</i> , <i>Culex quinquefasciatus</i> and <i>Aedes aegypti</i> .	Mrs. Deeparani K. Prabhu Dr. S. H. Bhosale	19 <sup>th</sup> Feb 2004	2006	30,000	UGC

8.	David Bohm : Holographic Paradigm(Holistic Approach to integrate matter – energy consciousness )	Dr.Kamlade vi Kunkolienker	Dec. 2005	Dec. 2008	90,000	IISR, Pune Under the auspices of John Templeton Foundation U.S.A.
10	Synthesis and Characterisation of Nanoparticle Mn-Zn mixed ferrite	Dr.Vikas J.Pissurlekar &Prof. J.S.Budkule y	Jan 2007	2009	69,000	U.G.C.
11	Nano structured based catalyst for detoxification of exhaust gases	Co- investigator. Dr. R. G. Shetkar	2007	2009	2,00,00 0	U.G.C.
12	Socio Economic & Political Status of India Diaspora	Dr. Badrudin	March 2007	March 2009	80,000/-	UGC
13	A. K. Priolkar's Fiction	Dr.Vidya Prabhudessa i	2007	2009	35,000	UGC
14	Translation of the book "Guiding Souls" by Dr. Abdul Kalam	Bhushan Bhave	2007	2010	12,000	Goa Konkani Academy
15	Translation of the book "Konkani bhash prakriti & parampara (100arathi) into Konkani	Bhushan Bhave	2008	2011	12,000	Goa Konkani Academy
16	Value Distribution of Solutions of	Dr. Kulkarni Milind N.	2008	2010	35,000	UGC



	Painleve Differential Equations using Nevanlinna Theory					
17	Siderophore Producing alkaliphiles and halophiles from marine & Coastal ecosystems	Dr.Sunita Borkar	2008	2010	1,00,00 0	UGC
18	Systematic Investigation of base alba	Mrs. Anuradha Kanolkar	April 2008	2011	1,11,00 0	DST(Goa )
19	Demographic Study of the 20th Century Goa-Its socio- economic and religious fallout	Dr. Varsha V. Kamat & Mr. A.V. Bhandiwad	July 2008	2011	75,000	UGC
20	Impact of Socio Economic transformation and altered value system on Tribal Women in Goa since Independence: a feminist perspective	Dr. Kamladevi Kunkolienke r	Jan 2009	2011	70,000	UGC
21	Systematic Investigation of Portuleca olemea.	Mrs. Anuradha B. Kanolkar Dr. A. S. Tilve	Jan 2009	2011	1,18,00 0	UGC
22	Exopolysacchar	Dr. Carolina	Sept.	2011	2,00,00	UGC

.	ides from hypersaline habitats	F.E.Fernandes	2009		0	
23	Synthesis and characterization of polymeric nanocomposites	Dr. Harsha P. Uskaikar & Mrs. Fatima Cardozo, Carmel College, Madgao Goa.	Sept. 2009	2011	2,00,000	UGC
24	Biodiversity of soil dwelling Micro arthropods in Goan Mangroves	Dr. Subhash H. Bhosale	2009	2011	1,40,000	UGC
25	Ant Faunal Diversity in Bondla Wild life Sanctuary, Goa.	Mrs. Teja Ajay Gramopadhye	2009	2011	1,35,000	UGC
26	Fungal diversity of wetlands of Goa.	Dr. (Mrs.) Sima V. Kamat	Dec.2009	2011	1,50,000/-	UGC
27	An Impact of Konkani and Marathi on Malavani dialect	Dr. Vidya Prabhudessai	April 2012	ongoing	60,000	UGC
28	Measuring Productivity and Efficiency of Seaports of India	Dr. Jeronimo G. R. Monteiro	July 2012	ongoing	4,35,000	UGC

### **Collaborative Research Programme**

Dr. Harsha P. Uskaikar, Dept. of Chemistry has research collaboration

- With Dr. (Ms.) Sheela Berchmans, EEC, Electrode division, Central Electrochemical Research Institute, CECRI, Karaikudi.
- With Saurav Guin, Scientist, Fuel Chemistry Division, Bhaba Atomic Research Center, BARC, Trombay, Mumbai.

Institution promotes research by allowing faculty to undertake research by availing FIP i.e. Faculty Improvement Programme. Institution also promotes research activity among faculty by allowing them to take leave and making adjustment in their teaching time table. Following faculty members were granted FIP & study leave to complete Ph.D.

- Dr. Sunita R Borkar availed Study leave (2001-2002), of Govt. of Goa
- Dr. R. G. Shetkar availed Study leave (2003-2005), of Govt. of Goa
- Dr. V. D. Vaze availed Study leave (2003-2005), of Govt. of Goa
- Dr. Carolina Fernandes availed FIP (2004-2006), of UGC.
- Dr. Satish Keluskar availed FIP (2004-2006), of UGC.
- Dr. M. N. Kulkarni, availed FIP (2004-2006), of UGC.
- Dr. S. D. Gokakakar, availed FIP (2005-2007), of UGC
- Dr. J. G. R. Monteiro, availed Study leave (2007-2009), of Govt. of Goa
- Dr. V. J. Pissurlekar, availed FIP (2008-2010), of UGC
- Dr. G. V.S. Kundaikar, availed Study leave (2009-2011), of Govt. of Goa
- Dr. P. V. Kamat, availed FIP (2009-2011), of UGC
- Mr. Bhushan Bhawe, availed FIP (2013-2015), of UGC
- Dr. Deeparani Prabhu and Dr. Flory Pereira completed their Ph.Ds without availing FIP/Study Leave

Besides, the above faculties, there other three faculty members pursuing Ph.Ds, namely 1. Mrs. Mita N. Amonkar, 2. Ms. Alvita D' Souza, 3. Mrs. Ranjita U. Sawaikar.

### **3.1.6 Research Culture through Workshops/Training Programmes/**

Sensitization Programmes.

The college is involved in several sensitization and capacity building programmes in terms of research imbining, research culture among the staff and students by following manner.

College has organized number workshops, training programmes, talks, seminars, demonstrations, etc. Department of Chemistry has taken initiative of inviting their

alumni namely Dr. Jayant Umarye, Dr. Bidan Shinkre and Dr. Supriya Tilvi occupying prominent positions in industries and scientific institutions to interact with the students and enlightened with their research experiences.

Besides, the following experts were invited to enlighten the students varied themes.

1. Basic quantum chemistry by Dr. Saurav Pal Head Chemistry Division NCL Pune
2. Innovation in Speciality Chemicals by Dr. K. P. Fondekar Ciba Speciality. Goa
3. Organized invited lecture series on “ Perspectives in Biomedical Sciences by Dr. Prasad Burra, HOD School of Biotechnology, International Institute of Technology,Pune.
4. Department of Economics organized a presentation on “Financial Education” by Shri. Prabhakar Rane, Associate Professor of Commerce, GVM College of Commerce and Economics, Ponda.
5. “ Human Rights & Judicial Activism” Resource Persons, Mr. Yeshwant Naik, Assistant Professor, Ramnath Kare College of Law, Margao, Goa (30.09.2011).

### 3.1.7 Prioritised Research Areas and Expertise

Most of our faculty members are Ph.D, and M. Phil degree holders and are actively involved in research. Following table shows list of areas that the institution has prioritised in research and the expertise available for supervising and guiding research.

Sr. No.	Name of the faculty	Department	Expertise
1	Dr. A. S. Dinge	Chemistry	Natural products
2	Dr. R. G. Shetkar	Chemistry	Catalysis, Synthesis
3	Dr. K. K. R. Kunkolienkar	Philosophy	Philosophy of mind

4	Dr. S. V. Kamat	Botany	Ecology/Physiology
5	Dr. Badruddin	Pol. Sci.	International Relations
6	Dr. V. V. Prabhudessai	Marathi	Marathi literature
7	Dr. V. V. Kamat	History	Goan History
8	Dr. P. Bhattacharya	Botany	Phycology
9	Dr. B. L. Malik	Chemistry	Natural products
10	Dr. Anjali Rao	Philosophy	Samkya Philisophy
11	Dr. A. V. Deshpande	Zoology	Endocrinology, reproductive Biology.
12	Dr. Sunita Borkar	Microbiology	Extremophiles and Alkaliphiles
13	Dr. S. H.P. Keluskar	Physics	Solid state physics
14	Dr. S. D. Gokakakar	Chemistry	Porphyryns, Thermal study
15	Dr. V. J. Pissurlekar	Chemistry	Solid state Chemistry, Ferrites
16	Dr. G. V. S. Kundaikar	Physics	Solid state Physics
17	Dr. C. F. E Fernandes	Microbiology	Halophilic archaea and hypersaline habitats.
18	Dr. A. S. Tilve	Chemistry	Synthetic chemistry
19	Dr. S. H. Bhosle	Zoology	Entomology, Insect physiology
20	Dr. P. V. Kamat	History	Goan History
21	Dr. M. N. Kulkarni	Maths	Analysis
22	Dr. J. G. R. Monteiro	Economics	Infrastructure Economics
23	Dr. Harsha P. Uskaikar	Chemistry	Electrochemistry, Nanoparticles
24	Dr. Aditi Rane	Political Science	Goan Politics
25	Dr. Deeparani Prabhu	Zoology	Integrated vector/pest management.
26	Dr. Flory Pereira	Microbiology	Halophiles and metal tolerance and solid waste management
27	Dr. Pritam Patil	Chemistry	Catalysis, Nanomaterials
28	Dr. Rasika Gaonkar	Microbiology	Alkaliphiles
29	Dr. Rupali Bhandary	Botany	Plant Physiology and Bio-chemistry

### **3.1.8 Efforts in attracting Researchers of Eminence to College**

The college makes an effort to invite eminent persons in the specialised areas of research to interact with the faculty and students. Eminent Researcher/Experts are invited as resource persons on the occasion of seminars, conferences.

### **3.1.9 Sabbatical Leave for Research Activities**

At present Dr. (Ms) Sunita Borkar, Department of Microbiology is on Sabbatical leave of one year. Many of the faculties have availed study leave under FIP (UGC and Goa Govt.) to complete Ph.D.

### **3.1.10 Initiative in Creating Awareness/Transferring/Advocating the Research.**

Talks are organized by the faculties to present their research findings to the colleagues and to the students. Research findings are also published in the Indian/international research journals. They are presented as papers in seminars/conferences/intercollegiate competitions. They are also published in the college in-house journal 'Sounved'.

## **3.2 Resource Mobilization for Research**

### **3.2.1 Budget, Expenditure and Utilization**

To facilitate research there is no special provision in the budget. But a portion of non salary grant received by the college is utilised towards the presentation of papers by faculty, students outside the college and for the organisation of seminars and talks of the distinguished researchers. The faculty is asked to submit their needs for chemicals, instruments, books and other facilities required for carrying out research work during the commencement of the new academic year.

Participation in seminars: 0.45%

Procurement of Laboratory Equipment: 4.0%

Purchase of Laboratory Consumables: 18%

### **3.2.2 Provision of Seed Money for Research**

There is no provision of seed money for research at present. There are plans made by the college for introducing some schemes to provide seed money for research work. The planning committee is formed to buy instruments and other requirements.

### **3.2.3 Budget for Student Research Projects**

There is no special provision in budget for funds for student research projects. The TYBA/ TYBSc project study are course related. The duration of the project is one year. Students are provided with books, ICT, chemicals, equipments and instrumental analysis are paid by the institution. Financial assistance is provided for attending & presenting papers at seminars, conferences, talks, intercollegiate competitions.

### **3.2.4 Inter-Disciplinary Research**

Number of minor & major research projects which are ongoing / completed are undertaken by Departmental/inter-departmental/outside Institute (list of projects is attached at 3.1) A.V Bhandiwad

### **3.2.5 Optimal use of various Equipment and Research Facilities**

Various equipment & research facilities on the campus are utilise to the maximum possible extent by the faculty & students. Library facilities is available from 8.00 a.m. to 6.00 p.m.

### **3.2.6 Grants or Finances from the Industry or Other Beneficiary Agency**

College has not received any special grants or finances from the industry. But some help in the form of chemicals, equipments are obtained from Companies like Syngenta, Ciba Speciality Chemicals, Cosme Mathias Menezes (CMM) pharmaceuticals, Sidharth Chemicals.

### **3.2.7 Support provided to the Faculty in Securing Research Funds from various funding agencies, industry and other organisations.**

The college provides full administrative cooperation and support in preparing the project proposals to be submitted to various funding agencies and other Organizations which has resulted into 28 research major/minor projects amounting to approximately Rupees 55 Lakhs sanctioned to the college. A detailed list project is available at 3.1 above.

## **3.3 Research Facilities**

### **3.3.1 Infrastructure Requirements to Facilitate Research**

Facilities available to the students and research scholars are well stocked library with books, magazines and journals, well equipped laboratories and required instrumental facilities. Computer laboratory with attached facilities are available.

### **3.3.2. Institutional Strategies for Planning, Upgrading and Creating**

Infratructural facilities

- To develop research centres.
- Providing wi fi internet on campus.
- Providing INFLIBNET facilities.
- Procuring e-journals.
- Enhancing and augmenting the existing instrumental facilities.

### **3.3.3 Funds for Research facilities**

College has not received any special grants or finances from industry or other beneficiary agencies.



### **3.3.4. Research Facilities available outside the Campus**

The college has signed MOUs and has collaborations with research Institutions

### **3.3.5 Library/ Information resource centre**

- There is a well equipped library with books and journal ,which are accessible to students, teachers as well as researcher who undertakes research on the campus as well as outside.
- Besides each department has a departmental library which is accessible to students and faculty members which is housed in the department itself and is available for ready reference for both students and teachers.
- The department of Konkani has a unique and a huge collection of original manuscripts of Konkani dramas written till date which are accessible to researchers.

### **3.3.6 Collaborative Research Facilities**

There is no collaborative research facility developed in the college, however plans are afoot to developed such facilities in collaboration with some of the industries which are in the vicinity of the college

## **3.4 Research Publications and Awards**

### **3.4.1 Research Achievements:**

Faculties are doing considerable research work, however they have not thought about filing for patents for their research work.

### **3.4.2 Publication or Partnership of Research Journal**

College has in-house journal called “Sounved”, where faculty publishes their research work.

### **3.4.3 Details of Publications**

Publications per faculty : Total 69

Publications of Research papers by our faculty in National/International

**Journals 2007 onwards are as follows:**

Sr. No.	Name of faculty Members (other authors if any)	Title of paper	Name of journal/ Year
International Research Journals			
1.	Dr. Satish Keluskar Impact factor 2.163	Effect of Sintering conditions on resistivity of Nanoparticle Mn-Zn Ferrite prepared by Nitrilotriacetate precursor method.	Journal of Material Sc. Springer Link publications 2007
2.	Dr. Milind Kulkarni <i>et al</i>	Unicity of Meromorphic Function concerning Differential Equation.	Tamkang Journal of Mathematics China 2007
3.	Dr. Milind Kulkarni	Uniqueness Theorem for Meromorphic Functions Concerning Polynomials.	Soochow Journal of Mathematics China 2007
4.	Dr. Jeronimo Monteiro	Mormugao Port: The Golden Gateway to Goa	Research in Maritime History 2007
5.	Dr. Harsha Uskaikar <i>et al</i> Impact factor 1.982	Low temperature synthesis of metal oxides by Novel hydrazine method.	J. of Thermal analysis and calorimetry 2007
6.	Dr. Pritam Borker	Solar assisted Photocatalytic degradation of Naphthol blue black	Material

	Impact factor 1.87	dye using $Ce_{1-x}Mn_xO_2$ .	Chemistry and Physics 2007
7.	Dr. Satish Keluskar Impact factor 1.09	High density nanoparticle Mn Zn ferried synthesis characterization and magnetic properties(reviewed)	International Journal of nanotechnology 2008
8.	Dr. Milind Kulkarni <i>et al</i>	On the Value Distribution of Differential Polynomials.	Bull. Korean Math. Soc. 2008
9.	Dr. Milind Kulkarni <i>et al</i> Impact factor 0.312	On the Deficiencies of Differential Polynomials and Relative Defects.	Kodai Mathematical Journal.
10.	Dr. Milind Kulkarni <i>et al</i>	On the Value Distribution of Two Differential Monomials.	Analysis 2008
11.	Dr. R. G. Shetkar and Dr. A. V. Salker Impact factor 1.87	Solid state and catalytic CO oxidation studies on $Zn_{1-x}Ni_xMnO_3$ system Matter.	Material Chem & Phys. 2008
12.	Dr. Badruddin	Credibility of Media: Questioning the Status of Muslim Minorities in India Global Education Society and Development”	International Journal of Academicia ns 2009 (ISSN:0975-1319).
13.	Dr. Badruddin	Diaspora and Globalization of Culture: A Study of Indian Migrants in South East Asia	Asia Pacific panorama 2009

14.	Dr. S. D. okakakar and Dr. A.V. Salker Impact factor 0.6	Solar assisted photocatalytic degradation of Amido Black 10B over Cobalt, Nickel and Zinc metalloporphyrins.	International Journal of Physical Sciences 2009
15.	Dr. S. D. okakakar and Dr. A.V. Salker Impact factor 1.75	Thermal Studies of Cobalt, Iron and Tin Metalloporphyrins.	J Therm. Anal. Calorim. 2010
16.	Dr. Vikas Pissurlekar and Dr. J. S. Budkuley Impact factor 0.247	High porosity Mn-Zn ferrites obtained by using mechano-chemical and wet chemical method	Asian Journal of Chemistry 2011
17.	Dr. S. D. okakakar and Dr. A.V. Salker Impact factor 1.60	ynthesis, purification and Thermal behaviour of sulfonated metalloporphyrins.	J. Therm. Anal. Calorim. 2011
18.	Dr. Milind Kulkarni and Dr. Kit-Wing Yu	On the order and lower order of differential polynomials.	Tamkang Journal of Mathematics China 2011
19.	Dr. S. D. okakakar and Dr. A.V. Salker Impact	Thermal studies of metalloporphyrins with metals in different oxidation states.	J. Therm. Anal. Calorim. 2012

	factor 1.982		
20.	Dr. Harsha Uskaikar <i>et al</i> Impact factor 0.966	Electrochemically prepared Manganese oxide as a cathode material for a microbial fuel cell.	Analytical Letters 2012
21.	Dr. Flory Pereira <i>et al</i>	Insights on metal-microbe interactions in <i>Bacillus</i> sp. and <i>Chromohalobacter</i> sp. from a solar saltern.	J. of Ecobiotechnology 2012
22.	Dr. Flory Pereira <i>et al</i> Impact factor 1.436	Bacterial response to dynamic metal concentrations in surface sediments of a solar saltern (Goa, India).	Environmental Monitoring and Assessment Systems Springer Link 2012
23.	Dr. Badruddin	Indian Migrants in Thailand: Remittances, Opportunities and Contemporary Challenges	International Journal of Business, Management and Social Sciences 2013
24.	Dr. Badruddin	Indian Diaspora in UAE and Human Resource Management: Political and Economic Identity”	International Journal of Engineering, Science and Research (Pune), Special Edition 2012
25.	Dr. Padmaja Kamat	Temple Economy in Goa: A Case	Macrotheme

		Study	Review 2013
26.	Dr. Badruddin	Human Rights and WTO: Hierarchy, Confrontation or Coordination	International Journal of Applied Management and Business Utility 2014
National Research Journal			
1.	Mr. Anil Bhandiwad	Special Economic Zone: Do we need them.	Tauz, a journal of Science and Religion & Society 2007
2.	Dr. Milind Kulkarni	Comparative Growth of Maximum Modulus and Maximum term of Composition of Entire Functions.	Journal of Indian Academy of Mathematics 2007
3.	Dr. Rupali Bhandari <i>et al</i>	Movement of chloroplasts in mesophyll cells of <i>Garcinia indica</i> in response to UV-B radiation.	Current Science 2007
4.	Dr. Rupali Bhandari and Dr. P. K. Sharma	Comparative account of UV-B and high light on damaging and protective processes in marine ( <i>Phormidium corium</i> ) and freshwater ( <i>Nostoc spongiaeforme</i> ) algae.	Indian Journal of Biochemistry & Biophysics 2007
5.	Dr. Milind	On the Fix-Points of Differential	Ganit India

	Kulkarni	Polynomials.	2008
6.	Dr. Deeparani Prabhu and Dr. Ashwani Kumar	<i>Gliocladium roseum</i> as a microbial control agent of malaria vector <i>Anopheles stephensi</i> Liston and filaria vector <i>Culex quinquefasciatus</i> Say.	Kavaka 2008
7.	Dr. Badruddin	Indian Diasporic Identity in UK: Opportunities & Dilemmas	Indian Journal of South Asian Studies (Pondicherry) 2009 (ISBN: 978-81-269-1683-2).
8.	Dr. Badruddin	Indian Knowledge Workers in Saudi Arabia: Re-Exploration of Brain Drain	International Journal of Research in Management & Social Science, 2014.
8.	Dr. S. D. Gokakakar and Dr. A.V. Salker Impact factor 0.628	Solar assisted photocatalytic degradation of Methyl Orange over synthesized Copper, Silver and Tin metalloporphyrins.	Indian Journal of Chemical Technology 2009
9.	Dr. Jeronimo Monteiro	Measuring Productivity, Efficiency of Major ports: Where do they stand?	Manthan-A Multi Disciplinary

			Journal 2009.
10.	Dr. G.V.S Kundaikar	Novel method of synthesis of ultrafine high performance magnetic material Mn-Zn mixed metal ferrites.	Indian Journal of applied physics 2009
11.	Dr. Deeparani Prabhu <i>et al</i>	Biocontrol efficiency of <i>Trichoderma atroviride</i> against larvae of <i>Culex quinquefasciatus</i> Say and <i>Anopheles stephensi</i> Liston.	Kavaka 2009
12.	Dr. Badruddin	EcoTourism and Sustainable Development: A Case Study of Goa.	Geographer (Aligarh) 2010
13.	Dr. Badruddin	Kyrgyzstan's Struggle for Democracy: Past, Present and Future	West Bengal Political Science Review Kolkata 2010
14.	Dr. Jeronimo Monteiro	Measuring Productivity and Efficiency of Major ports of India.	Economic and Political Weekly 2010
15.	Dr. Rupali Bhandari and Dr. P. K. Sharma Impact factor 0.563	UV-B radiation and high light induced oxidative damage in <i>Phormidium corium</i> .	Indian Journal of Marine Sciences 2010
16.	Dr. Badruddin	Language Controversy in India: Contemporary Challenges and Polices.	Global Education, Society and Development (New Delhi)



			2011
17.	Dr. Rupali Bhandari <i>et al</i> Impact factor 2.33	Physiological and biochemical changes in freshwater ( <i>Nostoc spongiaeforme</i> ) and marine ( <i>Phormidium corium</i> ) cyanobacteria due to high light.	Indian Hydrobiology 2011
18.	Dr. Rupali Bhandari and Dr. P. K. Sharma	Photosynthetic and biochemical characterization of pigments and UV absorbing compounds in <i>Phormidium tenue</i> due to UV-B radiation.	Journal of Applied Phycology 2011
19.	Dr. Badruddin	Indian Diaspora in UAE and Human Resource Management: Political and Economic Identity”	International Journal of Engineering, Science and Research (Pune), Special Edition 2012
20.	Dr. Badruddin	Indian Workers in Gulf: Issues and Challenges with Special Reference to UAE.	Indian Journal of Politics (Aligarh) 2012
21.	Dr. Rupali Bhandari <i>et al</i>	Characterization of photosynthetic pigments and fatty acids of marine green algae.	Indian Hydrobiology 2012
International Conference Proceedings			
1.	Dr. Carolina Fernandes	Traditional salt production in Goa-India enriches diverse microbial resources.	Proceedings of the 9 <sup>th</sup> International Salt Symposia in Beijing, China. 2009
2.	Dr. Jeronimo	Impact of Mormugao Port on the	Proceedings of

	Monteiro	Developmental Parameters of Goa: Historical and Economic Perspectives	International Conference on Transportation Systems Studies (ICOTSS) 2010
3.	Dr. Jeronimo Monteiro	Dancing to the tune of waves: Impact of Maritime Heritage on Tourism in Goa	Proceedings of International conference on Tourism. 2011
4.	Dr. Badruddin	Migration and Globalization of Brain Drain: Status of Indian Community in Indonesia.	In: Ravichandran Krishnamurthy (Ed.), Proceedings of ARC-2012, International Conference on Business Management, Academic Research Publishers. (Abu Dhabi, UAE) 2012
5.	Dr. Padmaja Kamat	Goan Temples: Symbols of Cultural Annihilation and Resurgence.	Online Proceedings of Second Asian Conference on Cultural Studies conducted by the International Academic Forum (IAFOR), Japan. 2012
6.	Dr. Flory Pereira	Solid waste management using indigenous microorganisms.	Proceedings of the International

			conference on Ecotoxicology and Environmental Sciences. 2012
7.	Dr. Padmaja Kamat	Evolution of Worship of the Mother Goddess in Goa.	The Proceedings of the Asian Conference on Arts and Cultures (ACAC 2013) Thailand. 2013
8.	Dr. Padmaja Kamat	Temple Economy in Goa.	In the online official Proceedings of the First European Conference on the Social Sciences 2013, Brighton, U. K. by the International Academic Forum, Japan. 2013
9.	Dr. Harsha P. Uskaikar	Preparation of $\text{Co}_3\text{O}_4$ /polyaniline electrodes for reduction reaction in alkaline fuel cell. 201-205.	ISEAC-WS-2011 ISBN 978-81—901950-4-1

10.	Dr. Harsha P. Uskaikar	Electroless Manganese Oxide Coating for Reduction Reaction in Alkaline Fuel Cell	DM-ISEAC-2011 ISBN No:978-81-901950-3-4
National Seminar Proceedings			
1.	Dr. Subhas Bhosale <i>et al</i>	Threat of fruit flies to hill cucurbits of Goa and efficacy of potential attractants for their management	Proceedings of the National seminar on Diversity and Life processes from Ocean and Land. 2007
2.	Dr. S.D.Gokakakar and Dr. A. V. Salker	Thermal studies of free base and Metalloporphyrins.	Proceedings of the 16 <sup>th</sup> National Symposium on Thermal analysis Thermans. 2008
3.	Dr. Subhash Bhosale	Eutrophication of water bodies -A case study.	Proceedings of Indo-Italian International conference on Clean & Green Environment. 2008
4.	Dr. Subhas Bhosale <i>et al</i>	Attraction of indigenous food baits for the management of melon fly, <i>Bactrocera cucurbitae</i>	Proceedings of U.G.C. sponsored National

		(coquillet)(Diptera Tephritidae).	Conference on New horizons in Insect Pest Management. 2009
5.	Ms. Deepa Fernandes and Dr. Subhas Bhosale	A study of soil microarthropods from Agroecosystemsof Ponda, Goa.	Proceedings of U.G.C. sponsored National Conference on New horizons in Insect Pest Management. 2009
6.	Dr. Subhas Bhosale	Evaluation of different food baits for attracting <u>Bactrocera tau</u> (walker) (Diptera: Tephritidae)	Proceedings of National Seminar on Current and Emerging Trends in Animal Sciences: An Overview. 2010
7.	Dr. Subhas Bhosale and Ms. Deepa Fernandes	Distribution of soil dwelling micro arthropods in goan mangroves	Proceedings of National Seminar on Current and Emerging Trends in Animal Sciences: An Overview. 2010
8.	Dr. S. D. Gokakakar and Dr. A. V. Salker	Thermal studies of Monomers and Dimers of Manganese and iron Tetrphenylporphyrins.	Proceedings of 17 <sup>th</sup> National Symposium on

			Thermal analysis <i>Thermans</i> . 2010
9.	Dr.S. D. Gokakakar and Dr. A. V. Salker	Thermal Studies of metalloporphyrins with metals in different oxidation states.	Proceedings of the 18 <sup>th</sup> International Symposium on Thermal analysis <i>Thermans</i> 2012
10.	Dr.S. D. Gokakakar and Dr. A. V. Salker	Thermal studies of	Proceedings of the 18 <sup>th</sup> International Symposium on Thermal analysis <i>Thermans</i> 2014
11.	Dr. Harsha P. Uskaikar	Effect of additives on the thermal analysis of zinc citrate complexes in the formation of ZnO	Proceedings of the 18 <sup>th</sup> International Symposium on Thermal analysis <i>Thermans</i> 2014
12.	Dr. Badruddin	Multi-national Corporations: Boon or Bane on Indian Economy.	Proceedings of National Conference on Changing Trends & Sustainable Management Practices: Developments and Dimensions in the Area of Commerce, University of

			Mumbai, April 2014
13.	Dr. Badruddin	WTO, India and Intellectual Property Rights: Dilemmas and Opportunities.	Proceedings of the National Seminar on Brand Management in Indian Industry, Department of Business Management, VR Sidhartha Engineering College, Viyayawada, AP, March 2014

## Other Publications

### 1. Dr. Vidya Prabhu Desai

Mar 2008	Bhasha Ani Jeevan- Gaimasik Marathi Abhais Parishad Patrika Pune	Bhashetil Mhaninche Sanchit
Oct 2008	‘Sahakar Rajya’ Magazine	Rishi? Rishipanchmi.....
Nov 2008	Sindhudurg Samachar (Dainik) Kanakawali Maharashtra	Stri- kal Aaj Ani Udy
Nov 2008	Sindhudurg Samachar (Dainik) Kanakawali Maharashtra	Samaj Ghadnitil Striche Sthan
Nov 2008	Sindhudurg Samachar (Dainik) Kanakawali Maharashtra	Bhartiya Sanskruti Parmpara Ani Stri
March 2009	B. D Satoskar Centenary Volume Published by Dept of Art And Culture, Goa Govt.	Satoskaranchya Marathi Kadambarya
Aug 2009	A Book Edited by Prof Adsul Pub by Gomantak Marathi Academy	‘Aaj Ithe tar udy tithe’- Panandikranche Pravasvarnan
Dec 2009	Dainik Gomantak	Mulyashikshan Shikvinyachi Nikad ka?



2. Late. Dr. Kasturi Desai:

- i) Translated Aranyer Adhikar (Bengali novel) of Smt. Mahasweta Devi to Konkani - Project of Sahitya Akademi 2007
- ii) Contributor to Bengali magazine Mandovi (Every year)
- iii) Contributed Translation of Bengali to Konkani in local magazines
- iv) Daily News Paper-Sunaparant (Regular)

3. Mrs. Uma Priolkar:

- i) Article published on “Dusven Dashak Ki Hindi Kahaniyan”
- ii) Article published on “Dwivediji Ka Itihas.
- iii) Three konkani stories translated in Hindi

\* Monographs

Dr. Vidya prabhudesai

01.	April 2009	Book	Funded by Konkani Academy/Published by Sanjeev Verenkar	‘Panchatantra’
02.	April 2009	Book	Shree Mahalasa Devasthan Committee, Vernem Goa	Editor of Shree Mahalasa Devasthan Smoronika
03.	2010	Booklate	Published by Marathi Academy Panaji	Haribhadunchya Sfut Goshti

- The following faculty have authored/edited books or chapters in books :  
Dr. Badruddin

- “Dilemma behind Pak’s Nuclear Programmes : Options before India” in Annpurna Nautiyal, ed., *Challenges to India’s Foreign Policy in the New*

*Era* (New Delhi: Gyan Publishing,House,2006), pp.198-204. (ISBN: 81-212-0889-0)

- “Relevance of India’s Foreign Policy: Nehruvian and Post Nehruvian Perspective” in T.A.Nizami,ed., *Jawaharlal Nehru: the Architect of India’s Foreign Policy* (New Delhi: ICON Publishers, 2005). ISBN: 978-81-88086-56-6
- “Nehru’s View in Minorities” in T.A.Nizami, ed., *Jawaharlal Nehru and Nationalism*” (Aligarh ; Three Way Printers,2004).pp.95-102.
- Nehru’s Contributions to the United Nations and Future Directions in T.A. Nizami, ed., *Socio Economic Ideas of Jawaharlal Nehru* ( New Delhi: ICON Publishers, 2006). ISBN: 978-81-88086-56-6
- “Refugees and Resettlements: A Case Study of Bangladeshi Refugees in India” in T.A.Nizami, ed., *Resurging India :National & International Scenario* (New Delhi: Icon Publishers, 2010) (ISBN: 978-81-88086-56-6)
- “Globalization of Brain Drain and its Implication on India’s Political Economy: A Case Study of Indians in Eastern Europe with Special Reference to Russia” in Ravikesh Shrivastava & Others, ed., *Business Competitiveness in the 21<sup>st</sup> Century: Emerging Challenges in a Changing Global Business Environment* (New Delhi: Macmillan Publishers India, Ltd., 2012), pp.1-11 (ISBN:978-935-059-034-8).
- “Population Dynamics and Globalization: A Case Study of Indian Diaspora in the United States” in Abdul Munir & Ateeque Ahmed (Ed), *Resource Development and Environmental Change* (New Delhi: Concept Publishing Company Pvt Ltd, 2012), pp.280-300. Vol.III, (ISBN 978-81-8069-899-6).
- “Indian Diaspora in South Africa: Myth or Reality”, in Raj Kumar Kothari, ed., *Emerging India as a Global Player : Growing Ties and Challenges* (New Delhi: Atlantic Publishers & Distributors Ltd, 2012), PP.150-72. (ISBN: 978-81-269-1683-2).
- “Migration and Globalization of Brain Drain: Status of Indian Community in Indonesia”, in Ravichandran Krishnamurthy (Ed.), Proceedings of ARC-2012, International Conference on Business Management, Academic Research Publishers (Abu Dhabi, UAE), December 2012 (ISBN No.: 978-0-615-73960-1)- Online E-Book
- “Eco-Tourism and Rural Development: A Case Study of Beaches in Goa” in Rais Ahmed, Ed., *Tourisms and Rural Management* (New Delhi: Regal Publications, 2013). (ISBN: 2230-8296).

- “ Globalization and Indian Democracy: Dilemmas and Opportunities” in Sowmya B. Satish (Ed), *Contemporary Issues in Global Business* (Bangalore), Don Basco Institute of Technology, 2013, pp. 13-19 ( ISBN 978-93-83241-00-2 ).
- “Conflict, Refugees and Human Right Agencies in India: A Study of Bangladesh” *A Turbulent Voyage of Rights for Humanity*, in Renu Trivedi, ed., K.B. College of Arts & Commerce for Women, Thane, 5 October 2013, pp. 58-65 (ISBN 978-93-5142-130-6).
- “Indian Community in Hong Kong: Remittances, Opportunities and Challenges” at in Naveen Kumanr Bhandari & Others, ed., *Global Business Strategies -Touching New Horizon* (Karimnagar, Andhra Praesh, Zenon Academic Publishing), 2014, pp. 38-42 (ISBN: 978-81-926819-2-4).
- “Indian Community in Hong Kong: Remittances, Opportunities and Challenges” in Shridhar Shetty & Others. Ed., *Human Resource Development: Realities, Practices & Challenges* (Mumbai: Himalaya Publishing House Pvt Ltd. 2014, pp.163-69 (ISBN: 978-93-5142-451-20.
- “Corporate Governance in Goa: Strategies to Improve Service Delivery in Selected Rural Sectors” in Bhattacharya, Ritu, ed. *Connaissance -2014: Hunt for Knowledge* (Navi Mumbai: Indira Institute of Business Management), 2014, pp.36-44, ISBN 978-81-921818-1-3.
- Dr. J. G. R. Monteiro

Impact of Mormugao Port on Developmental Parameters of Goa: A Historical and Economic Perspective, (2010) in S. Sriraman (Ed), *Transportation System Studies and Policy Analysis*, Himalaya Publishing House, Mumbai.  
 The Malmquist Total Factor Productivity Index of Seaport using DEA Approach, in Subrata Debnath , Ed) (2013), *The Contemporary Management Research Handbook*, LAP LAMBERT Academic Publishing, Germany.

Mr. Bhushan Bhave

1. “A History of Printing Technology in Goa”, Published by The Goa Co-operative Printing Press Ltd., Ponda – Goa, in 2008.
2. “Chitpavani Dialect: A Critical study”, Published by Dept. of Konkani, Goa University, in 2010.
3. “Progressive Literature in Konkani Literature”, Published by Sahitya Akademi, New

Sr. No.	Name of the book	Year of Publication	Name of the Publisher	Role Played
1.	Justice Shah Commission Report On Illegal Mining in Goa (Marathi)	2012	Gomant Samvardhan Sanstha, Ponda, Goa.	Translator
2.	Konkan Itihaas Parishad (Seminar Papers) (Marathi)	2013	Gomant Samvardhan Sanstha, Ponda, Goa.	Co-Editor
3.	Konkani Bhasha:Prakriti Ani Parampara (Konkani)	2013	Goa Konkani Akademi, Panaji, Goa	Translator

Delhi, in 2010.

### Practical Books (Manuals)

Rajhauns Chemistry Practicals - S.Y.B.Sc.(SEM IV) Dr. B. L. Malik, Dr. S. D. Gokakakar , Ms B. D. Baretto, Year -2009 Publication No.: 945 ISBN 978-81-7810-542-0

Rajhauns Chemistry Practicals - T.Y.B.Sc.(SEM. V ) Dr. B. L. Malik, Dr. S. D. Gokakakar ,Ms B. D. Baretto Year – 2011 Publication No. : 1042 ISBN 978-81-7810-641-0

Rajhauns Chemistry Practicals - T.Y.B.Sc.(SEM. VI) Dr. B. L. Malik, Dr. S. D. Gokakakar ,Ms B. D. Baretto Year – 2011 Publication No. : 1068 ISBN 978-81-7810-668-7.

### \* Edited Books

Mr. Bhushan Bhave

4.	Bhushan Bhave (Writer)	2008	One act Plays	Self	Govt. of Goa	Vande Mataram (Marathi)
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Books with ISBN/ISSN numbers with details of publishers

Dr. Badruddin

*Global Peace & Anti Nuclear Movement* (2003), New Delhi: Mittal Publications, ISBN 81-7099-887-5 Full Text is also available on [http://books.google.co.in/books?id=7WL7ltFl4mIC&pg=PA39&dq=Book+on+Global+Peace+and+Anti+Nuclear+Movements&source=gbs\\_toc\\_r&cad=4#](http://books.google.co.in/books?id=7WL7ltFl4mIC&pg=PA39&dq=Book+on+Global+Peace+and+Anti+Nuclear+Movements&source=gbs_toc_r&cad=4#)

\*Citation Index:

Dr. Badruddin

➤ *Book Review : Annapurna Nautiyal (ed), Dilemma behind Pak's Nuclear Programmes : Options before India, Gyan Publishing House, 2006) Price. Rs. 690/- pp.387, Asia Pacific panorama (New Delhi) , Vol. 6, No.2, December 2007, pp.82-85, ISBN: 81-212-0889-0*

#### **3.4.4 Research Awards**

Dr. Harsha P.Uskaikar: Research Award for the Chemistry College Teacher based on the paper published in high impact factor journal, Analytical letters. Vol.45, Issue 12, pg.1645-1657 awarded by Chemistry Department Faculty and Alumni Association, Goa University Goa for year 2013.

*Dr. Rupali Bhadari, Dept. of Botany Awarded young scientist fellowship with research project under DST fast track scheme entitled: Role of UV-B absorbing mycosporine like amino acids (MAAs), scytonemin and phenolic compounds (flavonoids) due to UV-B exposure in cyanobacteria with reference to over expression and function. 2007.*

#### **Sahitya Academy Award**

Dr (Ms) Kasturi N. Desai was awarded, Sahitya Academy Translation Award of 2009 for Translating Bengali novel 'Aranyer Adhikar' to Konkani Adhikar Aranyacho.

\* Recognition received by the faculty from reputed professional bodies and agencies

Dr.V.J.Pissurlekar: Third Prize for the Best paper presentation “Synthesis and magnetic properties of ultrafine Mn - Zn ferrite materials obtained by photocatalytic decomposition of precursor”, at National Seminar on Advanced Materials-2010, Department of Physics, Shivaji University , Kolhapur, 19 - 20 March 2010.

Dr. Sunita Borkar: 1. Poster on production of pigments by hydrocarbonoclastic microorganisms, was awarded the best poster at the National Seminar on: Recent Advances in the discovery and use of Bioactive Molecules organized by school of BioSciences, St. Xavier College, Mapusa, 7<sup>th</sup> and 8<sup>th</sup> March 2008.

2. Authored a paper entitled “Potentials of Alkaliphiles from Coastal Ecosystems of Goa as Plant Growth Promoting Bacteria” which was selected as best paper at National Conference on plant sciences organized by Department of Botany, Chowgule College from 7<sup>th</sup> to 8<sup>th</sup> February 2013.

Dr. R.G.Shetkar: First prize for Best Paper presentation award at the International symposium on material chemistry at BARC Mumbai 4-8 Dec 2006 for the paper Preparation, characterization and catalytic CO oxidation studies over Sr,Nd & Sm Manganites.

### **3.5 Consultancy**

#### **3.5.1 Institute- Industry Interface**

The college has collaborations with various industries in the vicinity. The college has linkages with different institutions. Dr. P. R. Pednekar, former Director Syngenta Research and Technology Goa and present Director of Economic Development Corporation is the member of IQAC of the college.

Experts from industries are invited to deliver talks on varied topics of interest. Scientist also interacts with the students when they are invited to deliver lectures on their research areas.

The industrial chemistry students are sent for internship/training during their course work in the industries like Syngenta, Macdowells, Goa Dairy, Sanjivani Sugar Factory, Siddharth Chemicals, Wallace, Encube, Cipla, etc.

With this interaction many students good job placement in some of the above mention companies.

### **3.5.2 Policy to Promote Consultancy**

College is under process of developing a consultancy policy.

### **3.5.3 Encouragement to Staff**

College encourages staff to have contacts with potential clients. Some of the departments informally do consultancy work of some neighbouring industries free of cost.

### **3.5.4 Consultancy services and revenue generated**

- ✚ Testing the potability/ Analysis of water of institutes, industries, wells, ponds, homes, etc on request from 2002 onwards,
- ✚ Providing microbial cultures to institutes like Carmel College- Nuvem, Chowgule College- Margao, Pharmacy college of Ponda and Panjim from 2002 onwards.
- ✚ Assisting a committee for the treatment of domestic waste using EM technology at V. P. Sancoale, Cortalim, Goa from 2009 onwards.
- ✚ Measuring the pH of different aloe vera samples and other samples of small scale industry unit.
- ✚ On use of Ag electrode as reference electrode for ECG recording.
- ✚ On use of Direct Borohydride Fuel cell, in place of lithium batteries, in under water bodies, at NIO, Dona Paula.

Mr. Bhushan Bhave

- ✚ Was an Expert in the Konkani Language for selection of Books under various schemes / Awards, for Central Institute of Indian Languages Mysore from 2004- 2008.
- ✚ Subject Expert for making “Glossary of Administrative Terminology” for Commission for scientific & Technical Terminology, Govt. of India, New Delhi, from 2004-2008. Resource person on Career Guidance, at Shree Mallikarjun College of Art & Commerce, Cancona, in 2008.

### **3.5.5 Policy for Income Sharing**

Consultancy services are rendered free. Hence no revenue is generated by the college however Goa University do have a Statute on Consultancy and Sharing of the Revenue between the faculty and the institution.

### **3.6 Extension Activities and Institutional Social Responsibility (ISR)**

Since the college is a rural college there is lot scope for community development and social service which is propagated and carried through NSS, extension activities committee and through different foras

#### **3.6.1 Institutional Social Responsibilities**

College sensitise the faculty and students about the social responsibility by holding outreach programmes. The community based programmes can be listed as follows:

1. Vanamahotsav Day

Tree plantation drive is held every year by survival nature club. Management members, teaching and non teaching staff, NSS volunteers and other students plants various species of trees.

2. Special NSS camp (Annual)

Our college organises an annual camp in rural areas around the college. NSS volunteers brings about awareness of cleanliness, pollution, conservation, etc and carry out some community work like cleaning of wells, constructing of katchha roads in the villages

3. Anti Plastic drive

Every year plastic milk packets are collected through the NSS volunteers by NSS unit and are sent for recycling. They also create awareness of plastic free environment among the people.



4. Cleanliness drive

Cleanliness drive is taken up by the NSS unit, where campus and surrounding areas are cleaned..

5. Blood donation camp

One of the important life saving activity of our college is the annual blood donation camp organised by NSS unit in collaboration with the Blood bank, Goa Medical College, Bambolim. We are proud to say our students enthusiastically donate the blood in large numbers for which the college is honoured by an appreciation certificate from Goa Medical College. One of the highlight of the blood donation activity is that the NSS unit has prepared a directory of the students (for the academic years 2007-2010) with the rare blood groups.

6. Red Ribbon club

Organises HIV/AIDs awareness programmes through rallies, talks. Street plays, skit and poster competitions all round the year.

7. International day against drug abuse

Rallies, talks, street plays seminars are organised to create an awareness against drug menace.

8. Surveys

NSS unit, departmental foras and associations, survival nature club carries out surveys on socio-economic parameters of the society in different villages. Recently survey regarding 'awareness of implementation of new anti smoking law' was conducted.

9. Visit to orphanage & old age home

College has informal collaboration with Matruchaya an orphanage and old age home 'Sneha Mandir' which are near the campus. The NSS unit, different subjects foras and associations organises visits, provides community service, cleaning, care of the sick and destitute, distribute books, etc. This activity is undertaken throughout the year. Medical /Health camps are also organized under PES medical centre.

#### 10. Fund collection drive

The staff and the students are generous to help people in need. The funds are collected by students for affected people suffering from different natural calamities; disasters, fires, epidemics, etc. the collected funds are routed through various relief fund to the affected people. For instance recently for Utrakhand Natural Disaster a sum of Rupees more than 2.5 lakhs were collected and given to the affected people through the Chief Ministers Relief Fund.

#### 11. Arm Flag Day fund collection drive

Armed forces Flag day is celebrated on 7<sup>th</sup> December every year. On this occasion “Armed Forces Flag Day” stickers are sold and funds are collected.

#### 12. Run for Unity

NSS unit of the college organises a run for unity on important national days as a mark of respect to the freedom fighters and great leaders.

#### 13. Service beyond self programme

Teaching and non teaching staff as well as students visit and interact with inmates of old age home, Sneha Mandir, and Matruchaya orphanage. This has been our forte for the cause of service to mankind.

#### 14. Best Out of waste competition

Survival Nature Club holds a competition to bring out the creativity present within the students on best out of waste, which helps student to utilize and recognize the resourcefulness of every product (by-product or waste) for creating an aesthetic sense, by avoiding the cluttering of waste.

#### 15. Mega plantation drive

Dept. of Zoology was involved in Planting medicinal plants as a part of “Mega plantation drive 2008” undertaken by Govt. of Goa, on 19<sup>th</sup> January 2008. The college takes care of conserving and preserving the plants with due care.

#### 16. Diabetic awareness programme

Modern day life style has affected people with different life style diseases- one among which is prevalent in young as well as old people is diabetic. Rallies are organised in Ponda taluka to create an awareness about the healthy life styles to minimize the risk contracting and controlling the diabetes.

#### 17. Anti Filaria drive

NSS volunteers participated in distributing tablets of filaria with staff members of Community Health Centre, Ponda to eradicate filaria completely.

#### 18. “Save Tiger” Programme

The census of Tigers in India has shown that the numbers of tigers in India are around 1400. Goa being a habitat of tigers, college organized a signature campaign as a part of awareness towards “save tiger” project taken up by WWF, on 19<sup>th</sup> January 2008. In this way students learn to protect and save the biodiversity of the planet earth.

#### 19. Swami Vivekananda 150<sup>th</sup> birth anniversary celebration

150<sup>th</sup> birth anniversary year of Swami Vivekananda, was celebrated throughout the year by organizing talks, conventions, by distributing booklets on life and work of Swami Vivekananda to spread his message of the role of youth in nation building among the present generation and inspiring them to attain spiritual enlightenment. All Goa convention was held to celebrate the 150<sup>th</sup> birth anniversary. College named in his memory the new constructed AC Auditorium as Swami Vivekananda Hall.

### **3.6.2 Students Involvement in Social and other Activities**

The College has established different clubs, cells and associations for student’s involvement in the social and other activities, to promote citizenship role among the students. In this way students partake in nation building and promote development. The following are the list of units:

1. National Service Scheme (NSS)
2. Survival Nature Club
3. Women’s Cell
4. Arts Forum
5. Science Forum
6. Study Circle
7. Extension Activities Committee
8. PES Medical Centre

- 9. Alumni Association
- 10. Parents Teacher Association

**3.6.3 Institution Plan of Stakeholders Perception on Performance and Quality.**

The college gauges its perception of performance and quality by informally and formally interacting with students, parents, alumni and other stakeholders. The formal methods used are Teachers evaluation by students, annual meet of alumni and PTA association. Due to the constant efforts of the staff as well as management to provide quality higher education, the brand name of PES college is spread across nooks and corners of Goa, which can be seen from the number of students taking admission from all over Goa.

**3.6.4 Institutional Plan for Extension and Outreach Programmes**

The faculties are actively involved in various extension and social outreach programmes organized by the college along the students. The college identifies on priority basis the needs of the community at large and decides on the various extension and social outreach programmes. All these activities are taken voluntarily by staff and students of the college. Following are the list of events:

**List of Events**

Event	Organised by	Target Group
Annual Social Camp	NSS Unit	People from rural villages.
Aids Awareness Programme	Red Ribbon Club	Local Community
Blood Donation Camp	NSS unit	NSS volunteers, College students & staff.
Visit to Old Age Homes	NSS Unit, faculty	Sneha Mandir, Bandora

and Orphanage	members	& Matruchaya, Kavlem.
Survey for N.O.T.E.	NSS volunteers, students, faculty and staff	People from Ponda and surrounding villages.
Socio Economic Survey	NSS unit, Dept. forums	Children from rural area.
Collection drive for flood victims	Faculty and Students	Flood hit victims of Canacona, Uttarakhand.
Youth Development Programme	NSS unit	College students

### **Social Outreach Activities:**

- Visit to old age home (Sneha Mandir) and orphanage (Matruchaya).
- Chaka chak Goa, (Cleanliness drive), anti plastic drive organised in collaboration with N.S.S. Cell of Goa University and Nirmal Vishwa, Ponda.
- Poisonous/non poisonous snake shows are held by Shri Amrit Singh, (Environmentalist and Animal Activist) stressing their importance in nature.
- Candle light rally was organised in Panjim, on the eve of completion of Golden Jubilee year of Goa's Liberation( 2011).
- Visit to Goa Institute of Rural Development & Administration, GIRDA (Old Goa).

### **3.6.5. Institutional Promotion of Student and Staff in various Extension Activities**

The college nominates the faculties on various committees undertaking extension and outreach programmes for a fixed tenure. The college has a NSS committee headed by a Programme Officer. The activities to be carried out are planned and a proper time table is prepared. The outreach programmes planned and are executed with the help of NSS volunteers. The programmes which are useful in development and sensitisation of community towards social responsibilities are organized.

### **3.6.6 Social Surveys, Research or Extension Work to ensure Social Justice and Empowerment of Students from under-privileged section.**

The college undertakes social surveys on various socio-economic parameters of the community and especially of the under-privileged section of the society.

Based on the inputs from the surveys various extension and outreach programmes are organized to ensure social justice and empowerment of this under-privileged and vulnerable sections of the society are planned and implemented for their sake.

The list is as follows:

#### List of Activities

Event	Organised by	Target Group
Annual Social Camp	NSS Unit	People from rural areas.
Aids Awareness Programme	Red Ribbon Club	Local Community
Work at Old Age Homes	NSS Unit, faculty members	Sneha Mandir, Bandora.
Work at Orphanage	NSS Unit, faculty members	Matruchaya, Kavlem
Survey for N.O.T.E.	NSS volunteers, students, faculty and staff	People from Ponda and surrounding villages
Socio Economic Survey	NSS unit, Dept. forums	Children from rural area.
Collection drive for flood victims	Faculty and Students	Flood hit victims of Canacona, Uttarakhand.
Special Youth Development Programme (Under-privileged)	NSS unit	College students and youth from rural and backward areas.
Coaching and Counseling	Faculty members	Youth from rural and backward areas (under-privileged).
Workshops regarding various social and other schemes	Faculty members and Experts	Under-privileged classes

### **3.6.7 Objectives and Outcomes of the Extension Activities**

The extension and the outreach programme of the college involving the students and their interaction with the community helps in initiating in them a sense of responsibility – social and commitment towards community service. It also helps in all round personality development which helps them to work in a team and empowers them to become leaders in their future life.

### **3.6.8 College Initiative in the Involvement of the Community in Outreach Activities.**

College plans and implements various community based outreach programmes in the rural areas with the help of Village Panchayat, NGOs, Clubs and Associations. Village people are benefited from these programmes..

Through the entertainment programmes presented by NSS volunteers during annual social camp, various issues such as social development, environmental protection, adult literacy, cleanliness, health, issues regarding the girl child, women empowerment, sanitation, potable drinking water as well as harvesting are depicted through various skits, plays, poetries, gong, dramas, etc. where villagers gathers in large numbers as audience and participates in this programmes. Popularization of basic sciences programme is conducted in various Schools, Higher Secondary Schools and among the people.

### **3.6.9 Details of Constructive Relationships with other Institutions on Outreach and Extension Activities**

The college has taken care of various issues when forging relationships with institutions while promoting outreach and extension activities. However college has a constructive relationship with the following institutions.

1. Sneha Mandir
2. Matruchaya
3. Institute of Psychiatry and Human Behaviour (IPHB)
4. Samrat Club
5. Sangath Centre
6. Cause of Our Joy (COOJ)
7. MARG
8. Seva Sankalp-NGO working for girl child and women empowerment
9. Mission Health Education Goa'

10. WWF
11. Maharashtra Talent Examination (MTS)
12. Blood Bank, Goa Medical College
13. Goa Institute of Rural Development Administration

### **3.6.10 Awards Received by**

1. Late Dr. Kasturi Desai, was awarded Avantika (A Group of Contemporary Artists & Intellectuals, NGO from Keshavpuram, Delhi) 'Green Earth Award' for contribution in Environment preservation , Social Service , Education and Nation Building, held on 15<sup>th</sup>. Oct2005
2. Dr.S.H.Bhosale received the Bharat Shiksha Ratna Award instituted by Global Society for Health & Educational growth, New Delhi, India, for the year 2011-2012.
3. Dr, Vidya Prabhudessai, was awarded Utkrusht Granthpuraskar of 2012, by Gomantak Marathi Bhasha Parishad for the book 'Gomantakiy Marathi Kadambari.

### **3.7 Collaborations**

#### **3.7.1 Collaboration and Interaction with Research Laboratories, Institutes and Industry**

College has signed MOU with some institutes & industries. College is benefitted from the collaborations with institutes where project work of third year is executed in these institutes. Students visit different industries around the college to complete their project work. Research oriented project work is completed with the help of national institutes like NIO, NCAOR, ICAR etc.

Eminent researchers are invited to deliver talk in seminars/Conferences, from these institutes. Students of our college visit different institutes & industries for study trips. Seminars & conference are organised in collaboration With institutes, industries, other agencies, which help college in kind. Many college activities are conducted in coordination with these agencies. Renovation of Chemistry Laboratory was carried out by Syngenta.

Majority teachers have taken up research leading to Ph.D while in service. The college having collaborations with many research laboratories and institutions has help them in library and instrumental data pertaining to their research work.



### 3.7.2 Details of Collaborative Arrangements

The teaching learning and research experience at our college is strengthened through healthy and good linkages and collaborations developed with different research laboratories, institutions and industries. This has enabled our faculty to do qualitative research and get project proposals from different funding agencies. The students are also benefited due this linkages and collaborations during their project work, industrial trainings as well as in the job placement.

#### List of Collaborative Linkages/MOUs/Collaboration

##### Laboratories

1. National Institute of Oceanography
2. National Centre for Antarctica and Ocean Research (NCAOR)
3. Indian Council of Agricultural Research (ICAR)
4. Food and Drugs Administration, Govt. of Goa

##### Academic Institutions

5. Goa University
6. Goa Engineering College, Farmagudi
7. G.V.Ms College of Commerce and Economics, Ponda
8. Goa Medical College
9. Central Library, Govt. of Goa.
10. Goa College of Pharmacy.
11. Institute for Psychiatry and Human Behaviour
12. Mormugao Port Trust

##### Industries

13. Syngenta India Ltd.
14. Macdowells Ltd.
15. Siddharta Chemicals
16. Goa Dairy
17. Sanjivani Sahakari Sakhar Karkhana
18. B. D. F. Ltd.
19. Wallace Pharmaceuticals
20. Encube Pharmaceuticals
21. MRF
22. Finolex
23. German Remedies (ZYDUS)
24. Ranbaxy
25. ACC Cement

### **3.7.3 Details of Industry-Institution-Community Interactions**

College has a healthy interaction with the industry which has resulted into college receiving lot of financial as well as material support. In The interaction has also resulted in college student getting trained in this industries which helps them in getting good placement after their graduation.

1. Syngenta India Ltd. renovated and refurnished the Chemistry Laboratory. It has also agreed to carry out the necessary repairs and renovations of the laboratory furniture supplied by them.
2. Syngenta India Ltd. supports the college regularly by supplying the chemicals, glassware and equipment as also the other requisites.
3. CMM Pharmaceuticals also supports the college by supplying chemicals, glassware and equipment from time to time.
4. Siddharta Chemicals also supports the college by donating chemicals.
5. One of the most important contribution of the college-industry interaction is the on-job training/internships provided to the students by the industries mentioned under 3.7.2, and this helps them in getting a good job placement.

### **3.7.4 Names of Eminent Scientist/Participants and details of Conferences**

Some of the eminent scientist and academician visited the college and interacted with faculty and students. The college also organized several national seminars.

- 1 Dr. Saurav Pal Director, National Chemical laboratory, Pune delivered a lecture on Basic quantum chemistry
- 2 Prof. A.K.Shrivastav, Head Department of Chemistry, University of Mumbai, delivered a talk on Nanomaterials Based Electrochemical (bio) Sensors
- 3 Prof. A.Q. Contractor, Professor of Chemistry, IIT Mumbai gave a presentation on Conducting Polymers Sensors and Actuators
- 4 Dr. Vijaykumar Ijeri from Italy, spoke on Electrochemistry and Photochemistry of Reactive Oxygen Species Generation, Control and Detection.
- 5 Dr. K. P. Fondekar Ciba Speciality. Goa gave lecture on Innovation in Speciality Chemicals

Other eminent scientist and academicians visited the college were

1. Prof S.H. Mashruqui Mumbai University
2. Prof. R.S. Mali Former Vice Chancellor North Maharashtra University
3. Prof. S. K. Paknikar, Goa University
4. Prof. Jayant S. Budkuley, Goa University
5. Prof S. P. Kamat, Goa University
6. Prof.J.B.Fernandes Goa University
7. Prof. S.G.Tilve Goa University
8. Prof. B.R.Srinivassan Goa University
9. Dr. S.J. Diwakar Director Syngenta R & T Centre India
10. Dr.Jayant Umarye Syngenta Biosciences R & T Centre Goa
11. Dr. Arun Parulekar, NIO
12. Dr. A.B.Wagh, NIO
13. Prof. V.L.Kallapur, Professor Emeritus
14. Dr. Ashwani Kumar, Malaria Research Centre
15. Dr.Pandey Director, NCAOR
16. Dr. Faleiro, ICAR
17. Dr. Barbuddhe, ICAR
18. Prof. A.B.Shanbhag, Goa University
19. Prof. P.V.Desai, Goa University
20. Dr. I.K.Pai, Goa University
21. Dr.Prasad Burra.International Institute of Technology,Pune
22. Dr. D. J. Bhatt Goa University
23. Dr. S. K. Dubey Goa Univeristy
24. Dr. M. K.Janardanam , Goa Univeristy
25. Dr. P. K. Sharma, Goa Univeristy
26. Dr Savio Rodrigues.Prof /Head of Microbiology Dept Goa Medical College
27. Dr. S.K. Chahal, Pune University

College organized a Two day National Conference on Chemical Sensors: An Update on 7- 8 January 2010. However 8 state level seminars/conventions/workshops.

### **3.7.5 Linkages and Collaborations resulting in MOUs**

College has formally signed MOUs with the following institution/industry

- ✚ MOU with National Institute of Oceanography (NIO).
- ✚ MOU with Siddhartha Chemicals Pvt Ltd, Kundaim, Ponda, Goa.

- a) Curriculum Development/Enrichment: College invites researchers/scientist from this institution to interact with faculty and student to get enriched with their experience and knowledge from the research areas that they are working. Expert comments on the curriculum and the syllabi is obtained from this eminent persons and communicated to BOS for the incorporation during the revision of the syllabus.
- b) Internship/On the job Training: Siddharta Chemicals provides internship/on-job training to our students.
- c) Faculty Exchange and Professional Development: Knowledge and experience is shared by the scientist from this Institution regarding the work carried by them with student and teachers of our college.
- d) Research: Student and faculty are able to use instrumental and other facilities available with these institutions.
- e) Student Placement: Siddharta Chemicals do help in job placement of our student in an around Kundaim Industrial area.

### **3.7.6 Systemic efforts in Planning, Establishing and Implementing**

College plans and implements its activities in collaboration with different institutions in terms of internship, study trips to the industries for the student projects in the following manner.

1. College in consultation with industries mentioned at 3.7.2. above arranges the internship/on-job training for the students.
2. Students and staff visits are organized in due consultation with NIO and NCAOR.
3. Different biological science subjects organizes field trips to ICAR
4. College administrative staff is trained by officials of GIRDA, by organizing a short term orientation programme.

## **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

### **4.1 Physical Facilities**

#### **4.1.1 Policy for Creation and Enhancement of Infrastructure**

The creation and enhancement of infrastructure to facilitate effective teaching and learning in our College is in tune with our vision and mission. The campus is located at Farmagudi plateau with picturesque surroundings of green hillocks with an area admeasuring 35,000 sq mts (8.7 acres). It is the constant endeavour of the College to augment and enhance the infrastructure required to maximize the teaching and learning potential of the College. We made a modest beginning in 1986 by starting the twin institutions, namely the higher secondary and College section in one building leased Government of Goa. Soon it was realized that higher education is much more challenging and daunting task. Hence, as a first step, complete separation of higher secondary and College section was effected by constructing a separate building for Higher Secondary Section.

In the campus of Ponda Education Society, over the last few years 12 new buildings have been added to the existing infrastructure. P.E.S. College of Arts & Science has 9 buildings in its possession Library building has total built-up area of 1050 sq.mts consists of a reading hall, a stacking area for books and separate area for journals. A well equipped seminar hall and auditorium is also the part of the library building. Gymkhana with sports ground, a sports hall, and gymnasium facility with modern equipments are made available to the students. A girls hostel with a built up area of 1039.70 sq. mts with a capacity of 100 occupants is constructed with the help of UGC funds.and is ready for occupation. Three new spacious buildings with Principal's office, Administrative Block and having laboratories of different science subjects, and also classrooms are added to the infrastructure. Also the old college building has been renovated and refurnished and is converted into block of classrooms. This building also houses a language laboratory, psychology laboratory, counseling and guidance centre, research room for faculty, a spacious and well ventilated girl's common room, a resting room for administrative staff, board room, IQAC/NAAC room as well as a facility for health centre. P.E.S. Employees Credit Co-operative Society Ltd. is also functioning from this building. The institution has intercom facilities linking all the departments and wings of the college.

The college receives regulated power supply from the Electricity Department of Government of Goa, in case of power failures/shut down; library building has an independent 35 KV power generator, while all the other buildings and laboratories have inverters for their smooth functioning. Besides, regular water supply is

provided by the Public Works Department and it is further supplemented by bore well dugged in the campus. The campus is very well illuminated by street lights and and is made more esthetic and presentable with arrangement of decorative plants in pots in the open areas.

The common facilities made available to the staff and students in the college are safe drinking water using water filters and water coolers, three storey cafeteria building with quality food and beverages served, well planned ample and marked parking space for vehicles,

#### **4.1.2 Infrastructural facilities available for:**

- a) Curricular and Co-curricular activities: The College has adequate facilities for the teaching learning process with 7 large classrooms which can accommodate more than 100 students which in turn are needed for the compulsory subjects. 10 normal sized rooms which can accommodate 50-60 students are available. 04 small classrooms are also available for specialized subjects group discussion and discussion regarding project work etc. Every class room is well ventilated, well lighted with normal facilities of blackboards, benches and desks. The three large classrooms have the facilities of teaching aids like OHP.

The science departments have 15 laboratories in all for the conduct of the practicals. Every laboratory is provided with regulated power and water supply. A Separate inverter is provided to each laboratory in case electricity fails. Adequate laboratory facilities in the form of tables, chairs, stools, etc, adequate number of electricity points for electrical equipments are provided wherever necessary. Cupboards and Lockers for the students to keep their belongings safe and securely is made available. The department of chemistry has 04 laboratories for the conduct of physical experiments, inorganic and organic experiments and a separate lab for industrial chemistry. A small instrumentation room is also available. The department of microbiology has two laboratories. The department of zoology has 03 laboratories including biotechnology lab. The department of physics has a laboratory, dark room for optical experiments and small instrumentation room. The Botany department has two laboratories with all the necessary instruments, equipments and facilities. College has also developed a language laboratory which is used by departments of English, Marathi and Konkani. Students are benefited by this facility where they are exposed to computerized knowledge of recent advances and information, animation in languages etc. The department of psychology

has one laboratory and counseling and guidance centre. The College has a well equipped computer laboratory with 38 computers.

The botany department has a botanical garden with variety of species of plants. The zoology department has an animal house and museum housing different species of animals and specimens.

Apart from this college also have audio and video aids such as 6 LCD Projectors, DVD players, a 5 in 1 player, 10 laptops, 2 sound and public address systems. Every science department and staff common room has a computer facility.

The College has an independent well equipped library with more than 20000 books in the form of books, journals and periodicals. The library also subscribes to newspapers in English, Marathi and Konkani.

Some of the science subjects have created research laboratories comprising of different research instruments purchased under the minor and major research projects funded by different funding agencies. A research room with necessary facilities for faculties is made available for the research work.

- b) Extra-Curricular Activities: These are important for the all round development of the students. College offers NSS (National Service Scheme) for the students, since the inception of the College. We have 12 trained programme officers. The NSS unit undertakes regularly several activities in the campus including cleanliness drives, maintenance and upkeep. Also many socio- economic projects specific to different areas are carried out. The unit in association with different NGOs carries out activities beneficial to the community. Annual camp is a regular feature of NSS unit of the College wherein villages are adopted to carry out the community services in particular, cleaning of the gutters, springs, nullahs, wells also repair and construction of the village roads. It also gives opportunity for the students to bring the awareness about anti-tobacco, HIV/AIDS, diabetes, hygiene and sanitation, girl child issues, women empowerment, environmental issues like anti-plastic drive, pollution, etc. The unit has adequate amount of materials for conducting the different activities, viz. implements for field projects.

NCC is an important co-curricular activity. However college do not have a NCC unit, our students are enrolled in the Higher Secondary NCC unit of our sister institution as well as in the other colleges. We

encourage the students to join NCC and several of our boys and girls have joined NCC and have achieved name.

The College has a spacious playground which caters to outdoor sports like cricket, football, volleyball, kabbadi, kho-kho etc. We also have jumping pits for high jump and long jump. We also have facility for 400 meter running track. There is a Gymkhana with facilities for indoor games like badminton, table tennis, carrom and chess. We have facilities for practice of martial arts like judo, karate and taekwando. Gymkhana is also well equipped with gymnasium and necessary equipments for physical fitness.

College makes every effort to encourage students to participate in cultural activities. A three day cultural festival “Kala Sangam” is organized every year in the month of December in the AC auditorium of the college. It is also used for organizing seminars, symposia, conferences, workshops, subject meetings, inter-collegiate events etc. We also have a seminar room which is used for conducting parallel sessions, staff meetings, workshops, group discussions etc.

#### **4.1.3 Facilities Developed/Augmented**

The College is making sincere efforts for augmenting the infrastructure to keep pace with academic growth. During the last four years, the College has added a separate library building, computer laboratory, language laboratory, auditorium, and conference room, laboratories for the department of chemistry, botany, zoology, physics and microbiology. A separate gymkhana building has been built. New toilet facilities for boys and girls have been created. The College is making concerted efforts for upgrading all the laboratories by procuring necessary equipments and instruments by various means including donations in kind received from the industries around and also through major and minor research projects and Government grants. A hostel for girls is constructed. A new Cafeteria has been constructed. Separate space for storing the examination stationery and necessary equipments has been created. Similarly for storing office records a separate space is created. The overall expenditure involved in creation and development of the infrastructure is approximately five and half crore (5.50 crore) Right from its inception, it has been the endeavour of the College to make an optimum use of the available infrastructure. The time-table of the College is spread in such a way that the classrooms, laboratories,



equipments and other facilities are fully utilized during the working hours (i.e. from 8:30am to 4:30pm). Further the College facilities are also used on Sundays and holidays to conduct extra and remedial classes. The management also permits the sister institutions as well as the private and public institutions to conduct their programmes like competitive examinations, meetings, etc.

Master Plan of the campus is enclosed as annexure X.

#### **4.1.4 Infrastructure Facilities for Differently Abled**

The College has constructed special ramps to meet the requirements of students with physical disabilities. Wherever needed, special railings and floorings have also been provided for this purpose.

#### **4.1.5 Details of Residential Facilities**

A hostel for girls with a capacity of 100 residents has been constructed, but occupancy of the same is awaited from the regulatory authorities. The total constructed area of the hostel is 1039.70sq.m. Various facilities like recreational, medical, computer, internet, drinking water, yoga centre, security etc. are being contemplated within the hostel.

#### **4.1.6 Provisions in terms of Health Care**

The College has a health centre wherein at least twice a week doctors are available. The College periodically organizes health camps for students as well as staff. Moreover, the College is in close contact with the government hospitals and some private practitioners who can be approached in case of emergency need.

#### **4.1.7 Common Facilities Available on the Campus:**

- a) There is a separate room for IQAC with Computer, Scanning and Xerox facility.
- b) There is a counseling and guidance centre in the college which functions under the Psychology Department. A trained counselor visits the centre once in a week. A special room is made available for this purpose.
- c) A Women's Cell is recently formed in the College and separate space is made available for the same.

- d) There is a General Grievance Redressal Committee in the College which is given a room for its functioning.
- e) An independent study cum research room for teaching staff is available adjacent to the staff common room.
- f) The Vice Principal of the College is provided with a separate office.
- g) A separate lunch cum changing room is made available for administrative staff.
- h) The PES Employees Credit Cooperative Society is provided with a separate room for its functioning.
- i) There is a spacious board room for the Management/Governing Council of our College. It is utilized to conduct meetings, discussions, etc.
- j) There are two spacious common rooms with toilet facility for the girls.
- k) The College has a three storied Cafeteria with a built up area of 400sq.m. It serves hygienic snacks, meals, hot beverages etc to the staff and students. Surveillance of the canteen is done with closed circuit cameras in order to maintain discipline. There are separate sections in the cafeteria for staff, girls and boy students.
- l) Clean and cold drinking water facility is available for staff and students.
- m) The College has opened a utility store for staff and students where in all the necessary stationary material is readily available. The store also has Xerox and telephone facility.
- n) The College has a spacious staffroom with comfortable seating arrangement for staff. Cupboards and lockers are provided. The staff common room has computer, inter-com and safe drinking water facility. Each science department has a separate staff room.
- o) Ample space for parking two and four wheelers is provided.
- p) The College has appointed three full time watchmen to man the campus 24 hours. Whenever need arises, the services of security agencies are hired. Moreover there is a police outpost just adjacent to the College which instills confidence in the campus.
- q) A placement committee functions in the College under the guidance of teachers. It receives requests from various organizations for job placements. The Placement Committee organizes interactions between students and the prospective employers (industry, banks and other institutions). The College conference room and auditorium are used for this purpose.

## 4.2 Library as a Learning Resource

### 4.2.1 Advisory Committee of the Library

Yes, The Committee comprises of seven members (six teachers & the Librarian). One of the senior teacher is the convener of the committee. The librarian is the Secretary of this Committee.

- To render the library student/user friendly, newspaper, magazines, journals, etc are displayed on stands in an eye catching manner. New arrivals in the library are displayed separately. Previous issues of journals, magazines, etc are separately kept in the basement portion of the library building for reference purposes. The library staff is prompt in guiding the students to locate the reading material required by them. The library staff keeps a close vigil on the users so that misuse of the same is not done.

### 4.2.2 Provide the details of the following

Total area of the Library in sq.mts	470sq.mts
Total seating capacity	100-150
Working hours of the library	
a) On working days	8:30am to 5:00pm
b) On Holidays	-----
c) Before examination days	8:30am to 5:00pm
d) During examination days	8:30am to 5:00pm
e) During vacation	8:30am to 5:00pm

#### Layout of the library

- |   |   |    |
|---|---|----|
| a) Individual reading carrels                         | - | No |
| b) Separate reading room for staff is made available. |   |    |
| c) IT zone for accessing e-resources                  | - | No |

### 4.2.3 Purchase and Use of Titles/Journals and other reading materials

Books, journals, magazines, etc purchased on the recommendations and approvals of the teachers from various departments. In addition, titles recommended by government agencies, NGOs, other institutions, eminent persons, etc are also considered by the library for purchase and use. The college permits publishers and book dealers to organise book exhibitions which help the teachers and students to select relevant reading material for the library.

Specify the amount spent on procuring new books, journals & e-resources during last 4 years.

Library Holding	Yr-1 (2009-10)		Yr-2(2010-11)		Yr-3(2011-12)		Yr-4(2012-13)	
	Total No.	Total cost	Total No	Total cost	Total No	Total cost	Total No	Total cost
Text Books	156	41945	215	62146	114	29215	229	85869
Reference Books	594	250128	442	225385	605	507795	253	188600
Journals/ Periodicals	35	32265	34	42355	32	40865	32	41905
e-Resources (CDs)	-		38	complimentary	6	complimentary	8	Complimentary
Any other								

#### 4.2.4 ICT and Other Tools for Library Collection

The College is planning to provide internet facilities at the library for the benefit of staff, students and the needy. The following services and facilities will be made available with the introduction of internet in the library:

- a) Federated searching tools to search articles in multiple database- Presently the library have software, NewGenLib for maintaining record and issue of books.
- b) Library automation- Partially automated (work in Process)
- c) Books are given on Inter Library Loan.

#### 4.2.5 Provide details on the following items

- a) Average number of walk-ins- 150
- b) Average number of books issued/returned-85
- c) Ratio of library books to the students enrolled-24

- d) Average number of books added during the 3 years- 1010
- e) Number of information literacy training organized- 1
- f) Details of weeding out of books & other material- 332
- d) Books which are damaged/worn out and out of syllabus are weeded out every year.

The details of last three years are given below:

2009-2010	2010-2011	2011-2012
92	146	94

#### **4.2.6 Give details of the specialized services provided by the library**

##### **Reference**

Reference facility is provided to the students and staff of our college as well as of other sister institutions of P.E.S and also to any other person who is interested in doing the reference.

##### Reprography

Yes

##### ILL (inter library loan Service)

Services provided to our sister institutions (staff and students) on their request.

##### Information deployment and notification

Important information concerning the books, competitive examinations, exhibitions, library facilities, etc is displayed on the library notice board.

Download: Being planned

Printing: Being planned

##### Reading list/Bibliography Compilation-

Subject wise reading list is maintained

In-house/remote access to e-resources: Being planned

##### User Orientation and awareness

All new students are shown the library facilities in batches and they are oriented in use of library facilities of the college.

Assistance in searching database

The College is in the process of developing databases

Inflibnet/IUC facilities: Being planned

#### **4.2.7 Support by Library Staff**

The students and teachers are assisted by the library staff in locating books, journals, magazines, etc which is required for various purposes. In case the reading material is not available in the library, efforts are made to procure the same from other sources (such as inter library loan, etc).

#### **4.2.8 Special Facilities for differently abled persons**

The College is planning to provide special facilities to the visually/physically challenged persons.

#### **4.2.9 Feedback from the Users**

The library gets feedback from its users in an informal manner through discussions with them. The feedback so obtained is analyzed and used to provide better library services. The library plans to keep a complaint/suggestion box which will be looked into for implementation of any constructive suggestion.

### **4.3 IT Infrastructure**

#### **4.3.1 Details of Computing Facility**

The number of computers/Laptops in the institution are 65. The detail list of computers is attached at Annexure XI

- 1) Library for Maintaining records of books (Library Management).
- 2) Department of Information technology has a full fledged Computer Laboratory with 38 Computer systems as a requirement for Practical Component at F.Y.B.A/F.Y.B.Sc Level.
  - a) Configuration of the system is as follows:  
Manufacturer: IBM  
Processor: Intel(R)  
Xeon(R)

CPU E3110 @ 3000Hz 3.00GHz

Memory RAM: 1.00GB

System Type: 32-bit O.S

Windows Server 2008

- b) Hardware : Computers, Printer(Cannon), Scanner, Mouse, UPS
  - c) Computer-Student ratio: 1:12.8
  - d) Stand alone system: 14 Computers
  - e) LAN facility: There is a network facility with one server.
  - f) Licensed Software: MS Office, Windows
- 3) Internet facility:8 computers

#### **4.3.2 Details of Computer and Internet Facility**

Internet facility is available at the College office which is used by the faculty.

#### **4.3.3 Plans for Deploying IT infrastructure**

Institution plans for Wi-fi connectivity of the entire campus for better internet and other e-resources facilities. The upgrading of the infrastructure in terms of new computer purchases and upgrading of the old machines to the latest configuration as well as installations of latest versions of soft on these computers is carried out from time to time.

#### **4.3.4 Details of Budget for IT**

Institution has a tie up with Delta Technologies for maintenance of computers at IT Laboratory. Every academic year technicians from Delta Technologies visit the IT Laboratory for checking the systems and other IT tools and services. The information on budgetary provision regarding computer facility for the last four years is given under 4.4.1.

#### **4.3.5 Use of ICT Resources**

The college has 8 LCD projector mounted in various laboratories, seminar and AC auditorium and there are portable LCDs carried in the classroom by the faculties to enhance their teaching- learning process. Some classrooms are fitted with OHPs.

#### **4.3.6 Deployment of Learning Activities and Technologies**

The practical component is mainly introduced to equip the students with healthy practices and efficient use of ICT tools and services, such as scanners, printers, LCD projectors. Students are equipped with the knowledge of installation of

different types of software, setting up computer, calculating Income tax by downloading forms from E-Governance sites, connecting to network, sharing directories etc.

Advanced networking is introduced as a new topic for practical component so that students can identify IP address, set up a basic firewall, set up security level, use templates and publish a site by using a standard programming language called HTML.

The practical component of IT prepares the students for presentation of seminars by using ICT tools.

#### **4.3.7 National Knowledge Network Connectivity.**

College has not availed the national knowledge network connectivity directly or through the Goa University.

### **4.4 Maintenance of Campus Facilities**

#### **4.4.1 Optimal Allocation and Utilization of Available Financial Resources**

The budget allocated during the last four years for the following facilities as indicated below:

	2009-10	2010-11	2011-12	2012-13
a) Furniture	456547	899103	104248	850000
b) Equipment	728158	226223	651046	750000
c) Computers	208658	202878	204228	23208
d) Vehicles	N.A	N.A	N.A	N.A
e) Any Other	100000	150000	50000	75000

The statutory committees of the College such as the Planning Board, Local Managing Committee, and departments, etc. make important suggestions for the optimal utilization of budget allocated for various activities.

#### **4.4.2 Institutional Mechanism for Maintenance and Upkeep**

Routine maintenance of the College premises including classrooms, laboratories, equipments etc. is looked after by the appointed staff. As and when specialized maintenance work arises, the services of skilled personnel are sought. The buildings are annually painted. Similarly pre monsoon maintenance are carried out during the vacation period.



#### **4.4.3 Calibrations and Other Precision Measures**

The College is constantly monitoring the functioning and sensitivity of the instruments. Equipments/instruments are purchased from established firms and dealers who ensure their working in the warranty period. The College is also in contact with the firms who undertake maintenance work. Their services are periodically requisitioned for checking the working and sensitivity of instruments and equipments.

#### **4.4.4 Major steps for Location and Maintenance of Sensitive Equipments**

The College has provided voltage stabilizers to each sensitive instrument. Every laboratory is equipped with inverters for uninterrupted power supply. The College has a continuous water facility which is pumped to the tanks for constant supply to all the departments, toilets, gymkhana and canteen. There is a well in the campus fitted with motor which pumps water to all the tanks in case of disruption of regular water supply.

Efforts are on to procure a separate transformer for electrifying the campus. A powerful generator is also in the pipeline to meet the exigency in case of power failure. Solar powered lighting arrangements are already in place at the entrance of the College.

## **CRITERION V: STUDENT SUPPORT AND PROGRESSION**

### **5.1 Student Mentoring and Support**

#### **5.1.1 Handbook and Calendar**

The institution publishes its updated handbook and calendar every year before admissions takes place. The information contained in the college handbook and calendar.

- 1) Vision and Mission statement
- 2) Goals and Objectives
- 3) Brief history of the college
- 4) College Coat of Arms
- 5) List of teaching and non teaching staff
- 6) Highlights of all the departmental activities
- 7) Courses of study in Arts & Science faculty
- 8) Admission procedures
- 9) College rules and regulations
- 10) Guidelines for the attendance and performance of students
- 11) College fees/payments of fees/refund of fee/university examination fees.
- 12) Scholarships and freeships; endowment prizes
- 13) Examination procedures and requirements
- 14) Library rules
- 15) Absence record
- 16) List of various committees
- 17) List of co-curricular and extra curricular activities
- 18) Academic and college calendar

The college strickly follows the programme given in the Handbook and Calendar for ensuring transparency and accountability.

#### **5.1.2 Institutional Scholarships/Freeships disbursed during the last four years.**

<u>STUDENT AID FUND</u>		
Type	Number	Amount
2009-10	17 Nos	Rs. 25500=00
2010-11	37 Nos.	Rs. 55000=00
2011-12	30 Nos.	Rs. 45000=00
2012-13	50 Nos.	Rs. 50000=00
No. of students availing financial support from the Institution (year 2012-13) : 150		

Amount disbursed as financial support from the Institution – Rs.  
828021/- (Eight Lakhs twenty eight thousand and twenty one only)  
No. of students awarded scholarships from the institution – 33

### 5.1.3 Percentage of students receiving financial assistance

State Government	No. of Student	Total Amount
<u>2009-10</u>		
1) Freeship to Physically Handicapped students	- 45	- 185000=00
2)O.B.C. Students	1	5288=00
3)SC Students	35	180346=00
4) S.T. Students	2	9700=00
5) Freeships to Minority		
<u>2010-11</u>		
1) Freeship to Physically Handicapped students	1 54	5000=00 238977=00
2)O.B.C. Students	2	10576=00
3)SC Students	31	168124=00
4) S.T. Students	1	4850=00
5) Freeships to Minority	1	4850=00
<u>2011-12</u>		
1) Freeship to Physically Handicapped students	2 50	14300=00 218419=00
2)O.B.C. Students	1	4823=00
3)SC Students	58	418838=00
4) S.T. Students	2	9700=00
5) Freeships to Minority		
<u>2012-13</u>		
1) Freeship to Physically Handicapped students	- 52	- 330538=00
2)O.B.C. Students	1	4823=00
3)SC Students	117	810499=00
4) S.T. Students	1	4850=00
5) Freeships to Minority		

<u>Central Government</u>		
<u>2009-10</u>		
Freeships to children of Iron Ore Mine Workers	-	-
<u>2010-11</u>		
Freeships to children of Iron Ore Mine Workers	1	3000=00
	1	
<u>2011-12</u>		
Freeships to children of Iron Ore Mine Workers	-	3000=00
<u>2012-13</u>		
Freeships to children of Iron Ore Mine Workers		-
<u>National Agencies</u>		
N.A.		

#### 5.1.4 What are the specific support services/facilities available for

##### ✓ **Students from SC/ST, OBC and economically weaker sections**

The students from SC/ST/OBC categories are identified and their record is maintained at the time of admission. Various schemes/scholarship/freeships and other financial assistance available to these categories from state and central Government and also from different trusts and organizations are printed in the handbook and also displayed on the college notice boards. Faculties are also informed to bring to the notice of the concerned students about these schemes. The forms submitted by the students are promptly processed and the sanctioned amount is disbursed immediately.

##### ✓ **Students with physical disabilities**

The students who are differently abled is given special attention during lectures, practicals and examinations. The college has constructed ramps and railings for their easy accessibility. The visually impaired students are provided with the facility of writer/scribe during the examinations.

✓ **Overseas students**

In last few years' college have not admitted any overseas/foreign students to our programmes.

✓ **Students to participate in various competitions/National and International**

The students are encouraged and motivated as well as trained to participate in various competitions and events at state and national levels. The travelling and other allowances are met by the college. The faculties accompany the students for these events.

✓ **Medical assistance to students: health centre, health insurance etc.**

The institution organizes regularly activities and programmes to promote good health and hygiene among students and teachers. Various types of camps are conducted to create awareness life style and other dieeases particularly obesity, and diabetes. The medical centre at the college provides two days of doctors consultations in a week.

✓ **Organizing coaching classes for competitive exams**

College provides coaching for competitive examinations conducted by various recruiting organizations. The department of chemistry conducts coaching for the entrance examinations for the post graduate programmes in chemistry of various Universities.

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

The department of English trains students in written as well as spoken English for better communication skills. The department of information technology conducts different programmes on computer learning and related area.

✓ **Support for “slow learners”**

The college identifies the slow learners and provides them with counseling facilities under counseling and guidance cell where a professional is appointed. The remedial classes are conducted for such students and their progress is monitored.

✓ **Exposures of students to other institution of higher learning/ corporate/business house etc.**

The college encourages the students to participate and present papers for seminars and workshops conducted by other institutions. Students are taken on field trips to reputed national laboratories, universities and industries. The department of chemistry has collaborations with different industries and institutions for training and internship for their students. Students of psychology are taken to Institute of Psychiatry and Human Behaviour. Department of history and philosophy takes their students for study tours and visits to important institutions and organizations.

✓ **Publication of student magazines**

The student's contribute articles to the college magazine 'aditya'. The different departments under their subject association have wall papers for which the articles are written by the students. The students present their research work carried during the project at state and national level seminars which are published in the proceedings.

### **5.1.5 Entrepreneurial Skills among the Students**

The college does not have a formal entrepreneurial skill development cell but different departments organizes/conduct activities to provide entrepreneurial skills viz. toy making, mehendi art, tailoring, beautician course, flower making etc. The department of economics is teaching a full paper of Entrepreneurship Development for the semester III/IV, wherein the students learn the theoretical aspects of starting an enterprise.

### **5.1.6 Policies to Promote Students in Extra and co-curricular Activities**

The college believes in overall personality development of the students. To achieve this goal college organizes many co-curricular and extra curricular activities throughout the year and encourages and motivate the students to participate in such activities.

(1) Additional academic support and flexibility in examination:

The college conducts extra lectures after the college hours, Sundays and holidays to make up for the absence during the regular classes for those students who participate in co-curricular and extra curricular activities. The examination time table is framed in such a way to accommodate these students so that they can

appear for their papers in the examinations. The college awards marks for sports, NCC?NSS and for other cultural activities as per the University rules.

(2) Special dietary requirements, sports uniform and materials:

The college has a playground as well as gymkhana for outdoor and indoor games, and a well developed gymnasium with all the required facilities. The students participating in the sports events are provided with sports kit and uniform as well as practicing allowance to take care of their dietary requirements. Transport is provided to participate in such activities. Apart from these the expenses incurred by the students in participating in sports and cultural activities are reimbursed by the college.

### **5.1.7 Support and Guidance for Competitive Examinations**

College encourages students to appear for the different state and national competitive examinations, guiding and counseling is provided by the faculties. The library has got a large resources and information available for such examination in the form of books and periodicals.

Names of the students who have qualified NET exams:

<u>Name of the Student</u>	<u>Subject</u>	<u>Year</u>
Ms Antima Gaonkar	Konkani	2007
Ms. Deepali Naik	Konkani	2008
Ms. Sangeeta Kulkarni	Maths	2008
Ms. Khushali Prabhu	Physics	2009
Mr. Gorak Shirsat	Konkani	2009
Ms. Bhagyashree	Zoology	2009
Mr. Prakash Parvatkar	Chemistry	2007
Mr. Vipul Betkiker	Chemistry	2010
Mr. Sagar Patil	Chemistry	2011
Mr. Ajay Gawde	Chemistry	2012

### **5.1.8 Counseling Services available to Students**

College orients first year students to the academic and extra curricular activities at the beginning of the year. College has a teacher guide scheme for mentoring of the students and to monitor the overall performance, academic, personal and career guidance is given by the guiding teacher to the students. The college also has a counseling and guidance cell which conducts talks, workshops and interactive sessions. There is also a professional counselor appointed under counseling and guidance by the college.

### **5.1.9 Career Guidance and Job Placement**

The college has an established placement cell headed by a faculty. The cell organizes interviews for different industries that approach the institution for recruitment. Many of our students have been employed by leading industries; IT companies pharmaceuticals, banks, schools, colleges, finance companies etc. All information and communications for jobs opportunities coming from various organizations are displayed on the notice board for the choice of the students to identify job opportunities. In order to prepare the students for interview, special coaching is provided for improving their communication skills through spoken English, and to build their confidence through the conduct of seminar presentation, viva etc. On an average 10-15 students have been employed per year.

### **5.1.10 Students Grievance Redressal Cell**

The College has a well established student grievance redressal cell. It deals mainly with grievances regarding examinations. Other grievance of the students are brought before the students council, the general secretary and the student council chairman who is a faculty tries to settle this grievances amicably. Some serious cases are brought to the notice of the Principal/Vice Principal for necessary action.

### **5.1.11 Sexual Harassment**

Institution has a statutory standing committee on prevention of sexual harassment in which college lady staff members along with a N.G.O lady member and lady representative of the students council are the members. This committee looks into the grievances of any girl student or even lady staff members of the institution. In addition to the above, institution also has a “Women Cell” for overall supervision and personality development of feminine gender. Various lectures by eminent women personalities holding prime positions are arranged by the cell.

### **5.1.12 Anti-Ragging Committee**

The college has a well organized committee for the prevention of Ragging. This committee comprises of the Principal, Management members, P.T.A. members, Vice Principal, Teaching and Non Teaching staff, General Secretary, Lady Representative, University Class Representative from the students council. There are no cases of ragging reported in the college in the last four years.



### 5.1.13 Welfare Schemes for the Students

The college is bound by its goal for overall welfare and development of the students. Some of the schemes which are used for the welfare of the students are:

- a) Teacher Student Guide Scheme
- b) Scholarships/freeships, flexibility in paying fees
- c) Remedial classes
- d) Coaching classes
- e) Counseling and guidance cell under a professional counselor.
- f) Medical Centre
- g) Book Bank Scheme
- h) Endowment Prizes and Awards

### 5.1.14 Alumni Association

The college has an Alumni Association with about 150 members. They meet every year. The activities carried by the association are organization of talks and lectures by eminent personalities, sharing of their own experiences, etc. They conduct competitions for faculties and students of the college. One of the very important contributions of the Alumni is the assistance provided by them in job placement of the graduating college students.

## 5.2 Student Progression

### 5.2.1 Progression to Higher Education and Employment

Student progression	%
UG to PG	25
PG to M.Phil.	3
PG to Ph.D.	4
Employed	
• Campus selection	5
• Other than campus recruitment	90

## **5.2.2 Past Percentage and Completion Rate**

The details are provided in Annexure VIII

## **5.2.3 Student Progression to Higher level of Education and/or towards Employment**

Students who wish to pursue higher education after graduation are encouraged and motivated by the college. The department of chemistry conducts coaching for the entrance examination for the interested students. The placement cell of the college organizes interviews on the campus with the help of different recruiting agencies for the benefit of the students. The college is also in contacts with its Alumni in order that good job placements are made available for the graduating college students.

## **5.2.4 Special Support for Failure and Drop Out**

The special support and facilities extended by the college to the failures and drop outs are: a) Teacher Guide Scheme b) Remedial Classes 3) Counseling and Guidance using a professional counselor 4) Scholarship/freeships and financial assistance.

## **5.3 Student Participation and Activities**

### **5.3.1 Sports/Games/Cultural/Extra-curricular activities available to the Students**

The department of Physical Education of our college encourages the students to participate in various activities organized at the University level, State level and National Level. Following are the sports in which college participates:

- 1) Football
- Volleyball
- Table Tennis
- 4) Cricket
- 5) Athletics
- 6) Judo
- 7) Kabaddi
- 8) Chess
- 9) Taekwondo
- 10) Weight Lifting

11) Power Lifting

12) Best Physique

Following students participated in inter-university, state, national and international events:

2010-2011

Mr. P. Anand represented India in Taekwondo at the Asian games held in Thanzlion, China. In 2010

Mr. Sunil Naik was adjudged as the Iron Man of the Year 2010-11. Also won Best Physique, weight lifting, Power lifting championship at intercollegiate competition organized by Goa University.

Mr. Khedekar Atikesh A. participated in the Inter University Volleyball Championship at S.P. University, Vidyanagar, Gujarat.

Ms. Alvita Avelino Perena represented Goa Game of Volleyball (W) in the National Sports Festival held at Mandya (Karnataka) organised by Sports Authority of India.

Mr. Sachin Noronha represented Goa in Sub-Junior National Aquatic Chmpionship held at Bangalore and secured third place in 1 mt spring Board organised by Swimming federation of India.

Mr. Desai Vinayak won silver medal in Judo organised by Goa University.

Group Achievements

In the Inter-collegiate Volleyball (Men) we won Championship of Goa University 2010-11.

In the Inter-collegiate Volleyball (Men) we won Championship organised by Dempo Charities Trust, Dempo College of Arts and Science, Panaji- Goa.

2011-12

Mr. Khalid Mulla and Mr. Aman Kumar represented World Taekondo Federation for World Cup and Olympic qualifying trials which were held in November 2011. Also won Gold Medal at 34<sup>th</sup> National Games.

Mr. Sumit Naik was adjudged as the Iron Man of the Year 2011-12. Also won Best Physique, weight lifting, Power lifting championship. Also won Gold Medal and the title Iron Man of Goa University. Also selected in the Goa Body building team to prticipate in the Mayor Trophy classic 2011 Western India Championship

organised by State Body Building and Fitness Association Madhya Pradesh at Ujjain.

Mr. Aaron Pereira, Mr. Devendra Hadkonkar and Mr. Sameer Noronha selected by Goa University to Participate All India Inter University in Volleyball.

Mr. Laxman Prabhu Desai represented Goa University in Base ball (men) championship and participated in All India Inter University Championship.

Ms. Sidhita S. Naik represented Goa University Base ball (women) Championship and participated in All India Inter- University Champonship.

Ms. B S. Naik represented Goa University in Base ball (women) Championship and participated in All India Inter- University Champonship

Ms. Jessy Dias represented Goa University in Base ball (women) Championship and participated in All India Inter- University Champonship.

Mr. Vinayak P. Desai won Bronze Medal in Inter-collegiate Judo Men Championship organised by Goa University.

Ms. Shaikh Bosabi won Silver medal in 400 mtrs Run (Women) inter-collegiate Athletic Meet organised by Goa University.

Mr. Chetan Bakal was selected for the IBWAF, Indian Belt Wrestling Association as referee and Coach Seminar.

Mr. Aditya Shet Parkar was selected for the U-19 Cricket Probabel's camp for Vinoo Mankad Trophy 2011.

2012-13

Two of our students, Sidhita S. Naik and Ms. Nasrin Banu A. R. Nallikan were selected to represent the BCCI South Zone Senior Women's T-20 Cricket Tournament held at Chennai. Mr. Sunil G. Vagekar Participated in the 32<sup>nd</sup> Junior National Kho-kho Championship held at Devilal Stadium, Gurgaon, Hariyana.

Ms. Hema K. Gaude, Ms. Tanuja G Gaude, Ms. Bindiya Gaude were selected to represent Goa Floorball team for 7<sup>th</sup> Senior National Floorball championship.

Mr. Aaron A. Pereira participated in the West Zone Inter-collegiate Volleyball championship, Mr. Nilesh Vagekar and Mr. Sunil G. Vagekar participated in the West Zone Inter-University Kho-kho championship.

Miss Anuradha Sagga participated for Junior National Judo championship held at gurgaon, Hariyana.

Mr. Aditya S. Parkar participated for Cricket Under 19 Cooch Behar Trophy held at Baroda organised by BCCI.

We won consequetly for Third time Goa University Championship 2012-13 in the Inter-collegiate Volleyball (Men) Tournament for the third time.

Runers-up at Inter-collegiate Cricket (women) Tournament (2012-2013)

The college participated in various co-curricular and cultural activities and details list is provided as Annexure XII

### **5.3.2 Major Students Achievement in Co-curricular and Extra-curricular**

#### Activities

The details are provided in Annexure XII

### **5.3.3 Data and Feedback from Graduates and Employers**

The Alumni of the college informally gives their feedback as and when they visit college and expresses satisfaction about the soft skills provided to them during their study years, which have help them in getting a good job placement and to cope with the job requirements. The potential employers are invited to interact with the college students and faculties, to deliver lectures, talks as guest speakers during the workshops and seminars. The feedback on the soft skills provided by the college to the students are discussed with them. Based on their feedback and discussions necessary changes and improvements are brought about in the soft skills while training and guiding the future students.

### **5.3.4 Publication of Students**

Every year college releases college Magazine entitled Aditya where students' articles, short stories, poems, etc. are published in four different languages; Konkani, Marathi, Hindi and English. College also has a wall paper named 'Parikrama' where the articles, poems and stories written by our students are displayed every month. Students also contribute articles, pictures posters drawings, etc to wall papers brought by the different subject associations which are displayed at different places in the college.

The number of the students who contributed to the College magazine for the academic year 2009-10; 26 in English, 15 in Hindi, 13 in Marathi and 13 in Konkani.

In 2010-11, 37 in English, 20 in Hindi, 21 in Marathi and 16 in Konkani were contributed to the college magazine. In 2011-12, 12 in English, 07 in Hindi, 15 in Marathi and 21 in Konkani were contributed to the college magazine. Similarly in 2012-13, 18 in English, 05 in Konkani, 16 in Hindi and 15 in Marathi were contributed by the students to the college magazine.

### **5.3.5 Student Council**

Our college follows the Statutes of Goa University relating to the formation of Students' Council. Every year in the beginning of the Academic year, college conducts elections to the various posts under the Goa University Statutes for the students council;- General Secretary, Ladies Representative, Gymkhana secretary, Cultural Secretary and Class representatives and University Class Representatives (UCR), are elected. The College collects fees for sports and cultural activities under Goa University rules and Management also contributes funds for the sports and extracurricular activities of the College.

Various activities of the college are organized by the Students' Council, for example, Teachers' Day, Kala Sangam. Sports Day, Annual Social Gathering, Fare well to third year students and other activities and Competitions.

### **5.3.6 Academic and Administrative Bodies with student representation**

The students are given representation on students council, and Certain other Statutory Committees of the College like Prevention of Sexual Harassment Committee, Anti-ragging Committee, etc..

### **5.3.7 Network with Alumni and Former Faculty**

The college has active alumni Association and the graduating students who pass out are enrolled as its members. The Association conducts the meeting in the college annually and also organizes different activities for the students and staff. Some of the department also organize the meeting of its alumni. They are invited for Annual Social Gathering and on other occasions like national days etc. The retired faculties are invited as guest on various occasions and to the Annual Social Gathering during to interact with the students and staff. They are also associated with the college informally as advisers and well wishers of the college.

## **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

#### **6.1.1 Vision and Mission Statement**

The college has well defined Vision and Mission statements

Vision

“Is to be a centre of higher education that prepares youth for becoming capable, useful and upright citizens, able to face the challenges faced by the country and global village”

Mission

“By ensuring that our faculty is highly qualified and committed to the transference of high levels of knowledge and values to the students. By promoting activities that inculcate student community interaction for meeting the local needs. By evolving programmes that will enable the students to find practical applications of the knowledge gained. By providing an atmosphere where an all around development of personality is possible”

Ponda Education Society College of Arts and Science , has created its unique place in the last 28 years of its existence in Goa . This college with its roots in rural area has always stood for the cause of nation building through empowerment of the weaker, economically backward and marginalized sections of the society. The underprivileged people of this region and especially the women have been given an access to learning in this college.

Being an affiliated college the programmes are conventional ones .however college makes best efforts to provide the soft skills necessary for the job opportunities. The regular co-curricular and extracurricular activities conducted by the college act as an effective means of inculcating values and character building. The college also aims at instilling scientific temper and research culture among its students and faculties. Through the academic, co-curricular and extra-curricular activities, the college tries to instill in the students’ sense of ethics and leadership qualities .The students are sensitized towards social concerns, human rights, gender and environmental issues .thus fulfilling the college objective of preparing youth capable of handling the challenges faced by a nation and global village.

### **6.1.2 Role of Top Management, Principal and Faculty:**

The Management oversees the quality of education provided by the college. The Management and the Principal are providing support for the design and implementation of the policies and plans formulated by the college. Management has created the necessary infrastructure for the college and provides financial assistance required for further infrastructural development and also for running of the college. Daily routine administration is controlled by the Principal with the help of the Vice –principal, faculty and other administrative staff of the college. The faculty puts their untiring efforts to provide the quality of education in this area.

### **6.1.3. Involvement of the Leadership:**

-The Policy Statements and Action Plans: Leadership is participative, supportive and democratic. Principal with the help of vice-principal and heads of the departments designs the activities and programmes which are in conformity with the mission statements of the college.

□□Formulation of Plans: The academic calendar is prepared at the beginning of the academic year in which the plans formulated by the each department are incorporated. These plans are then executed by the departments with the help of the faculties.

□□Interaction with Stakeholders: The PTA and Alumni association of our college have been established and are very supportive in the development of the college. Stakeholders from society and industry are members of IQAC in which during the meetings their suggestions are accepted for the growth of the college.

-Proper Support for Policy and Planning, Analysis, Research

Inputs and Consultations with the Stakeholders: Suggestions obtained from different stakeholders- parents, alumni, industry and others during meeting with them are analysed and given due consideration while designing the college plans. PTA and Alumni Association support the activities of the college.

-□Reinforcing the Culture of Excellence: The college encourages and motivates the faculties to acquire higher qualifications leading to Ph.D. and to undertake reseearch projects from various funding agencies. Faculty members attend seminars/conferences/workshops at state/national/international level, and present their research work. In recent years some of our faculties have been invited by the foreign/overseas institutions to present research work as well as to chair academic sessions.

-□Champion Organizational Change: The college brings about changes based on its requirements and on current trends. Attendance and Examination processes of



the college are fully computerized. ICT tools are used in the teaching learning process.

#### **6.1.4. Procedures of the Institution to Monitor and Evaluate Policies and Plans:**

The college conducts monthly staff meeting in which issues relating to academic and other associated activities are discussed in detail. The IQAC monitors, evaluates and reviews the functioning of the college. It suggests measures necessary for the improvement. The Local Managing Committee looks after the day to day progress of the college.

#### **6.1.5. Academic Leadership Provided to the Faculty by the Top Management**

Principal of the college is given the freedom by the management to plan and implement different academic programmes and gives full support for its final outcome. The heads and faculties are taken into confidence by the principal/vice principal and are given free hand to run their respective departments.

#### **6.1.6 Grooming of Leadership:**

The college has various academic and non-academic committees for the smooth functioning in which faculty members are appointed as convenors/co-convenors. These committees also consists of non teaching staff and students. The committees are given full freedom to plan and execute their tasks independently. The faculties are encouraged to take part in Government duty like for example election duty, census work, etc. The college follows the democratic process of conducting student council election. A executive committee of the student is elected by the student which conducts various extra-curricular activities like sports day, cultural week, annual social gathering, etc. which helps them in acquiring skills, experience, expertise, self confidence and to groom into good leaders. College conducts special programmes for the motivation as well as to enhance the work proficiency of the administrative staff. The college has a staff credit cooperative society which is well managed by the administrative staff of the college with teaching faculties.

### **6.1.7: Delegation of Authority and Operational Autonomy to the Departments:**

The college has given fully operational autonomy to all its departments in terms of planning and implementing the academic and other related activities concerning their subjects for example departmental purchases are planned at the departmental level. Similarly framing of time-tables, deciding on schedule of field trips, excursions, study tours, etc. the organization of seminars/conferences/workshops and invitation to resource persons.

### **6.1.8 Participative Management**

The college has promoted a culture of participative management since its inception. There are monthly faculty meetings, departmental interactions. IQAC meetings and student council meetings are also held regularly where the issues are discussed and debated.

## **6.2: Strategy Development and Deployment**

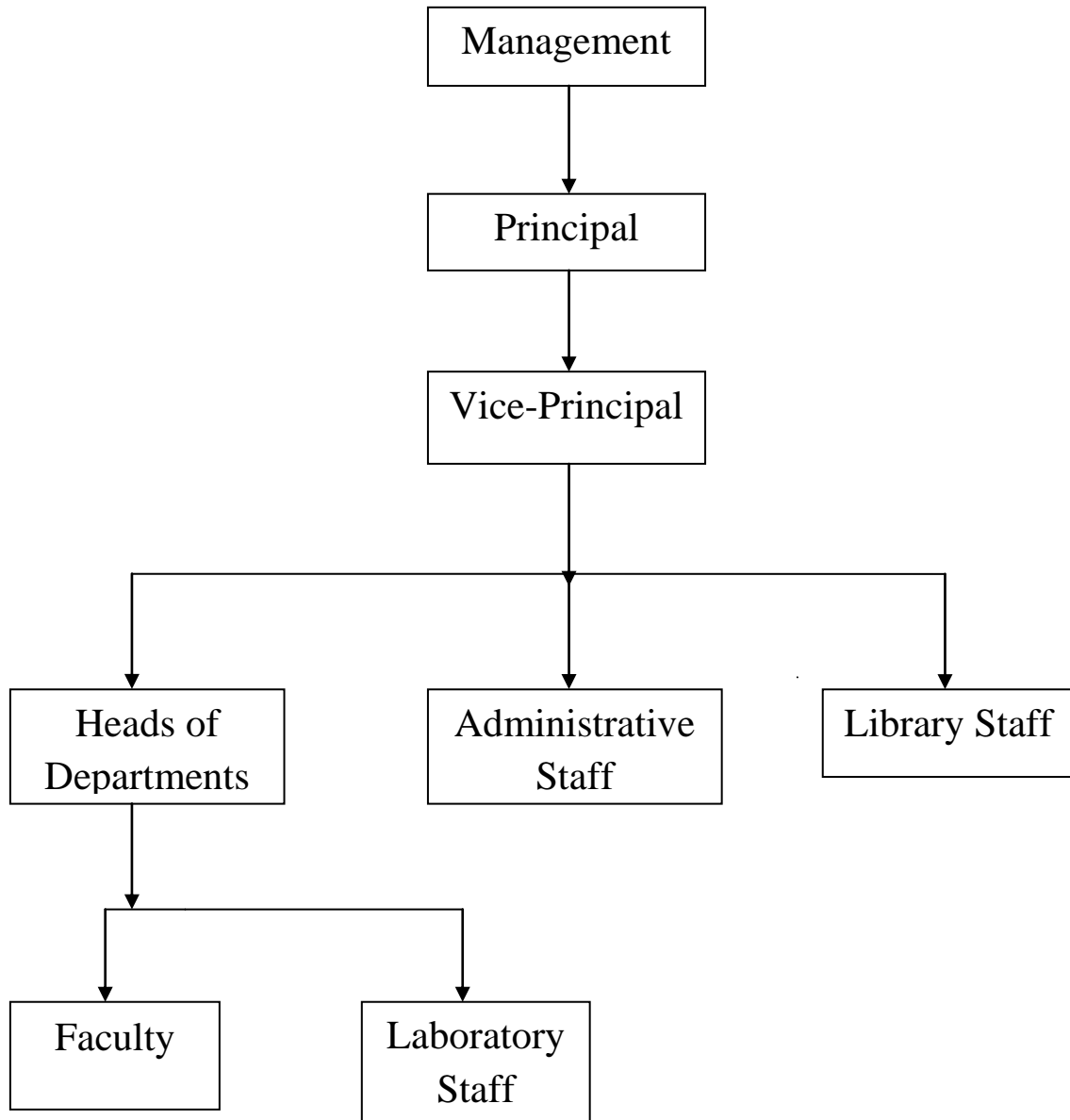
### **6.2.1: Stated Quality Policy of the Institution**

The college has stated its quality policy through the Vision and Mission statements and also have a stated goals and objectives. The college was established primarily to provide quality education to the weaker, economically backward and marginalized sections of the society from rural area and it is our prime concern that this community is benefited with quality education. The college continuously monitors and evaluates and also reviews its programmes.

### **6.2.2 Perspective Plan for Development**

The college has developed a Master Infrastructural Plan. The plan being implemented in phases has come up with an independent library building with a well equipped AC seminar hall and auditorium, gymkhana with well equipped gymnasium and a playground, a spacious administrative and laboratory block, a separate three storey cafeteria, a PG block, renovation and refurnishing of the old college building. College has plans for introducing new courses at PG level in Arts and Science faculty.

### 6.2.3. Internal Organizational Structure and Decision Making Processes



#### **6.2.4. Quality Improvement Strategies of the Institution**

-Teaching and Learning: The teaching learning process is facilitated by using conventional lectures and practicals as well as by using classroom seminars, quizzes, discussions, problem solving, assignments, presentations of projects, field trips, study tours, excursions, video clips, films and documentaries

-□Research & Development: The faculty members are encouraged and motivated to acquire higher qualifications like M.Phil and Ph.D for this they granted study leave under state government and UGC scheme, the result of which 12 faculties completed Ph.Ds and 14 M.Phils in the last few years. They are also encouraged to undertake minor and major research projects which is reflected in highest number of 42 projects being completed/ongoing. There is also an in-house journal called 'Sounved' which publishes research findings of the faculty. The faculty have published a large number of papers in reputed peer reviewed national/international journals.

-□Community Engagement: The college organizes large number of community programmes under its extension cell and NSS unit. The programmes includes- blood donation camps, awareness programmes on various issues like HIV/AIDS, life style diseases and diabetes, distribution of filaria eradication tablets, anti plastic and anti tobacco drives, gender discrimination girl child issues, women empowerment, environmental issues, etc. Besides, the programmes like cleaning of wells, springs, nullahs, etc construction and repairs of village roads, socio-economic surveys, and work at old age and orphanage homes are some of the community services undertaken by the college.

□Human Resource Management: College has a mentoring system in the form teacher student guide scheme, counseling and guidance cell with a professional counselor and a placement cell. All these cells help and guide the students to develop their self esteem and personality to make them useful to the society, community and nation.

-Industry Interaction: The College has collaboration with different industries which are around the campus. These industries provide industrial training and internship to the chemistry and other students, and also help them in getting good job placement. The college also invites experts from the industry to interact with the staff and students.

#### **6.2.5. Information to the Top Management and the Stakeholders**

Principal co-ordinates between the Management and different stakeholders and also provides the necessary information regarding the academic and non-academic matters relating to the college. The Local Managing Committee regularly meets to monitor and reviews the activities and the programmes of the college.

### **6.2.6. Involvement of the Staff in the Institutional Processes**

The Management is cooperative and supportive and has given flexibility to the staff of the college to get involve and perform so as to increase the effectiveness and the efficiency of the different institutional processes. The faculties are appointed as members on different academic and non academic committees including IQAC and Local Managing Committee. Regular meetings between the staff and Management are held to discuss issues pertaining to the institution and suggestions are invited for the improvement.

### **6.2.7 Resolutions made by the Management Council and Implementation**

The following resolutions were passed in the Local Managing Committee:

1. Completion of Girls Hostel
2. Completion of Cafeteria
3. Renovation and Refurnishing of the old College building
4. Expansion of Library building to construct an auditorium.
5. Starting of PG course in Chemistry
6. Shifting of classrooms and laboratories to the new administrative and laboratory block.

Implementation status

1. The girls hostel is complete and ready for occupation subject to the occupancy certificate and the inspection from the UGC.
2. Cafeteria is complete and functional
3. Renovation and refurnishing of the old College building is complete and in use
- 4.. Expansion is completed. AC auditorium is ready and functional named as 'Swami Vivekananda Hall'.
5. NOC from the Government is awaited
6. Shifting is complete and functional in all respect.

### **6.2.8 Provision of Affiliating University for According the Status of Autonomy**

Goa University has recently passed a new Statute for according autonomy to its affiliated colleges in Goa. College has plans to apply for autonomy in future.

### **6.2.9 Grievances/Complaints**

College has established various committees dealing with grievance/complaints such as Grievance Redressal Committee, Sexual Harassment Committee, Unfair Means Inquiry Committee and Anti-ragging Committee. These Committees deals with matters coming under their purview and a fair justice is given to such

complaints. Teacher guide scheme due to constant interactions between teacher and students eases many of the problems arising in the mind of the stakeholders.

#### **6.2.10 Court Cases filed by and Against the Institute**

There no cases filed against the college in any court in the last four years.

#### **6.2.11 Student Feedback on Institutional Performance:**

The students provide feedback on the class room teaching and infrastructure facilities in a structured questionnaire at the end of each seminar. The collected feedback is analysed by the Principal and communicated to the concerned faculty for the needful action. The Student Council takes active part in suggesting for improving the non-academic programmes facilities and performance of the college.

### **6.3. Faculty Empowerment Strategies**

#### **6.3.1. Professional Development of Teaching Staff and Non-teaching Staff**

The College encourages and motivates faculties to enhance its personal qualification leading to M.Phil and Ph.Ds by sanctioning study leave. They also encourage staff to take up minor and major research projects from different funding agencies and encourages them to present their research work at different conferencies, seminars, workshops and symposias.

The administrative staff is also encouraged to improve their qualification and job profficiency by providing them with leave and flexible working time schedule.

#### **6.3.2 Faculty Empowerment**

The college encourages the faculties to attend orientation, refresher and other short term courses to upgrade their knowledge and recent development in their subject area. Similarly they are deputed for workshops/seminars/conferences etc. Faculty improvemet programmes are also held periodically.

#### **6.3.3 Performance Appraisal System of the Staff**

The faculties are assessed by the students for their performance in a structured questionnaire. The feedback obtain is shared with the faculties and are advised to bring about necessary improvements in their performance. Faculty also submit

self appraisal report indicating academic and professional achievement as well as other achievements in areas like community, extension and corporate life. The performance appraisal reports are also used for CAS of the faculty.

#### **6.3.4 Outcome of Performance Appraisal System of the Staff**

The Principal analyses the self appraisal report submitted by the faculty and feedback is given to the Management. Based on their advice the Principal informs the concerned faculty regarding the improvement required in their performance.

#### **6.3.5 Welfare Schemes Available for Teaching and Non Teaching Staff:**

The college being a grant in aid institution the welfare schemes available to such Institution from the Government is extended to the teaching and non-teaching staff. Such welfare schemes are:

- Leave Travel Concession.
- Medical Reimbursement.
- Reimbursement of tuition fees and purchase of books of their children.
- Bonus for non-teaching staff.
- Group Insurance Cover.
- Teaching and Non-Teaching staff have established a credit cooperative society which helps its members with loans and other financial facilities.

#### **6.3.6 Attracting and Retaining Eminent Faculty**

The vacancies are advertised in local and national dailies. The best and the meritorious candidates are selected and appointed as faculties. They are encouraged and motivated to acquire higher qualifications leading to Ph.D by sanctioning study leaves. This measure has helped the college in attracting and retaining the best faculty.

### **6.4 Financial Management and Resource Mobilization**

#### **6.4.1 Mechanism to Monitor/Effective and Efficient Use of Available**

##### **Financial Resources**

The college allocates budget to each department depending on its requirement based on student strength, the grants received from the state government, from the different funding agencies and the management. Each department plans its requirements and purchases are judiciously made taking into account the need of the department. All the purchasing and accounting procedures are followed.

#### **6.4.2 Mechanisms for Internal and External Audit:**

College hires services of a professional chartered accountant as its internal auditor. College carries out internal audit every year and the statement of accounts are submitted to Management and Directorate of Higher Education, Governemnt of Goa for its approval. External audit is done by Directorate of Higher Education, Government of Goa. It was done in 2012-13. There are certain recoveries proposed in the audit report which is yet to be finalized.

#### **6.4.3 Major Sources of Institutional Receipts/Funding**

The college being a grant-in aid institution receives grants from the State Government to pay the salaries of the staff and for maintainance purpose. The other receipts are fees collected from the students, UGC grants under various schemes, funds from different state/national funding agencies and the money contributed by the management. The deficit if any is always met by the management of the college.

#### **6.4.4 Efforts made by the Institution in Securing Additional Funding:**

The college has secured funding from different agencies given as under:

- Major and minor projects funded by UGC, DST, (Goa), MOES (New Delhi), ICSSR and others.
- Funds released by UGC under various schemes
- Funds released by Art & Culture, Governement of Goa used for organizing seminars.
- Funds received from Department of Science, Technology and Environment, (Goa) used for purchasing equipments for chemistry department.
- Funds given by management used for various activities

#### **6.5 Internal Quality Assurance System (IQAS)**

##### **6.5.1 Internal Quality Assurance Cell (IQAC)**

###### **a) Institutional Policy for Quality Assurance**

The college has established IQAC. The college strives to maintain high quality standards in education and research.

###### **b)Implementation of IQAC Decesions**



All the decisions taken by the IQAC after detail discussions and deliberations with all the stakeholders are approved by the Management and implemented by the college.

c) External members on IQAC committee

There are two external members on IQAC. Their suggestions are accepted and incorporated by the IQAC for its implementation.

d) Students and Alumni Contribution to IQAC

There are no students and Alumni members on IQAC

f) Communication of Staff with IQAC

The Principal, IQAC co-ordinator and other faculty members of the IQAC communicate the decisions taken at the IQAC meetings to the faculties. The Principal also informs these decisions at the monthly staff meetings. IQAC decisions are implemented by various committees.

### **6.5.2 Framework for Quality Assurance:**

The various academic and administrative committees comprising of teaching and non-teaching staff established by the college help in the smooth running of the institution.

### **6.5.3 Training of the Staff for Effective Implementation of the Quality Assurance**

The college invites eminent personalities to interact with the teaching and non-teaching staff. Lectures are organized on this topic and faculty improvement programmes are conducted by the college.

### **6.5.4 Academic Audit**

There is no academic audit or external review of the academic provisions.

### **6.5.5 Internal Quality Assurance and External Quality Assurance Agencies:**

The internal quality assurance mechanisms are aligned with

The suggestions given by NAAC Peer Team visit during 2001.

The directions given by Goa University and Government of Goa from time to time.

### **6.5.6 Review of the Teaching Learning Process**

The college has following mechanism in place to review the teaching learning process:

- Teachers prepare a plan and implementation strategies which are recorded in the teacher's diary at the beginning of each academic year for completion of syllabus.
- The teachers are evaluated under teacher's evaluation by students.
- Self appraisal report submitted by the faculty contains academic and other achievements are analysed by the principal.

### **6.5.7 Communication of Policies to Internal and External Stakeholders**

The policies, plans and other details are provided through the handbook and calendar, displayed on the college notice boards as well as on the college website. Principal conveys this to the various stakeholders during annual social gathering. It is also conveyed through the college magazine ' aditya'.

## **CRITERIA VII: INNOVATIONS AND BEST PRACTICES**

Innovation is the essence of any institution to bring a change in a desired manner. It is also an indicator of quality assurance. Such an innovative approach is being adopted by the college.

### **7.1 Environment Consciousness**

Environment consciousness is upper most in the mind of PES College. The survival nature club and the NSS unit of the college oversees the environmental aspects of the college. They conduct programmes of tree plantation, environment sensitization through lectures, field trips, cleanliness drives, demonstrations, etc. Experts are invited to speak on biodiversity at large.

#### **7.1.1 Green Audit of the Campus**

The college in its vast and sprawling campus has many species of trees and plants which are flowering and fruit bearing. It also has a good background of private and Government forested land which keeps the campus green and windy throughout the year. Every year different types of samplings are planted on the campus at the hands of Management members, faculty and students under tree plantation programme organized by survival nature club and NSS.

#### **7.1.2 Steps to make Campus Eco-friendly**

- Saving of Electricity by Switching off lights, fans, computers and AC when not required.
- Replacement of deep freezers and fridges with energy-saving models.
- Use of CFL bulbs.
- Minimum use of water for Practicals by Using bucket and recirculation. Regular maintenance of water supply line and prevention of water leakage and wastage
- Use of Solar energy for illuminating a part of the campus.
- Annual tree plantation programme on campus and densely forested Private and Government land producing pollution free air and decrease in environmental hazards
- Encouraging 'car-pooling' among staff members.
- 'Anti-plastic' drive is undertaken. Used plastic materials are sent for recycling.
- 'Litter free campus.
- Segregation of waste is done. Separate bins for bio-degradable and non

- bio-degradable wastes are placed in strategic places on campus.
- Arrangement of potted plants for aesthetic and presentable look of the campus.
- Organising talks, lectures, skits and poster displays for promoting environmental awareness.
- Competitions on 'best out of waste'.

## **7.2. Innovations**

The college has introduced various innovations which has helped us to overcome The difficulties. This change has brought about some positive impact in the mindset.

### **7.2.1 Innovations introduced in the College**

College started an in-house journal namely "SOUNVED" to highlight the research calibre of the staff members. Members contribute in the form of a research articles in the journal.

-Many of our teachers are using OHP, LCD, slides, flow charts, maps and other teaching aids to deliver their regular lectures.

-Teacher-guide scheme helps to keep a close look at the student's performance in the academic programmes of the college.

-At the end of the year every teacher evaluates himself/herself by taking feedback from the students by providing a suitable questionnaire to the students. Based on the students' feedback teacher tries to bridge the gap during the next academic year.

## **7.3 Best Practices**

### **7.3.1 Best Practice – I**

#### 1. Title of the Practice

Teacher-Guide Scheme

2. Goal – to provide individual attention.to realize individual potential,to build a cordial relationship between the students and teachers, to provide guidance and monitor the performance of the students in academic programmes.

3. Context – In one of the staff meeting it was felt that the students should be mentored by the teachers in their academic and personal life. Teachers as mentors will have a positive impact in the life of the student. Besides, teachers acted as guardian of the allotted students. The scheme works in the atmosphere of trust between the students and the teachers.

4. The Practice – Each academic year a group of students of different subjects of the Arts and Science faculty are allotted to the teachers. The teachers are supposed to conduct at least two to four meetings with the allotted students in a year. That is how the teachers take stock of their academic performance as well as personal problems. A concerned teacher identifies the cases of academic, financial and personal problems. Teacher in consultation with the Principal, subject teachers, parents and if necessary management is involved in resolving the problem. In serious cases a help of professional counselor is sought.

#### 5.Evidence of Success

1.Regular and Punctual.

2. Sincerity

3 Improvement in Performance.

4.Improvement in Social Life

5.Decrease in Dropout and Failures

6.Problems Encountered and Resources Required- On an average 10 per cent of the students comes under problematic category. Time constraint of the teacher, cooperation from students as well as their parents. Experts such as social workers, psychologist, psychiatrist, etc. are required for the better outcome of this scheme.

### 7.3.1

### Best Practice – II

#### 1. Title of the Practice

Book Bank Scheme

2. Goal – Needy and deserving students should get a copy of the text books for their study. The other goal is that the books which are costly, rare and beyond the purchasing power of the students should be made available to them.

#### Context

The majority of the students are from weaker, economically backward and marginalized sections of the society coming from rural areas. The Principal and the staff felt that the students depend upon the notes of the teachers rather than extracting additional information from the books, as purchase of such books is beyond their reach, hence should be provided with the text as well reference books.

#### 4. The Practice

In the beginning of each academic year the applications are invited from students who would like to avail this facility. A book bank committee appointed by the Principal monitor the scheme and the books are issued to the deserving students. Those students who are in need of some reference books which are not available in the library are provided to them through this scheme. The contribution to this book bank in the form of books is from well wishers, retired teachers, retired scientist from various research institutions and from industries.

#### 5. Evidence of Success

Every year around 20 per cent of the students strength of the college avail this facility, whereas many students use this facility for reference purposes. Due to this scheme, a reading and study habit among the students have developed which is a healthy sign. Performance of students has also improved.

6. Problems Encountered and Resources Required- The scheme has an inherent problem in selection of students who need this facility. Separate place for storing and maintaining the books different from the library of the college. Due to the mishandling the pages of the books gets torn, books are damaged hence they can not be in used for the next batch.

## EVALUATIVE REPORT OF THE DEPARTMENTS

### DEPARTMENT OF ENGLISH

1. Name of the department: English
2. Year of Establishment : 1986
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): Compulsory Paper for F.Y.B.A./S.Y.B.A.
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise) : Semester I-Spoken English, Sem II-Written English, Sem III-Functional English, Sem IV-English Language through Literature.
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons : Nil
9. Number of Teaching posts:

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	1 Assistant Professor 1 Lecture Basis	1 Assistant Professor 1 Lecture Basis

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.): Jasmine Kurian Monteiro, Assistant Professor, M.A. (English Literature), NET & SET, Experience – 15 years
11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 30 per cent (9 Lectures out of 30)
13. Student -Teacher Ratio (programme wise): 150 :1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil
15. Qualifications of teaching faculty with DSc / D.Litt/ Ph.D/ MPhil/PG.: M. A.,

NET and SET.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre / facility recognized by the University

19. Publications: Nil

\* a) Publication per faculty: Nil

\* Number of papers published in peer reviewed journals (national / international) by faculty and students : Nil

\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil

\* Monographs: Nil

\* Chapter in Books :Nil

\* Books Edited: Nil

\* Books with ISBN/ISSN numbers with details of publishers: Nil

\* Citation Index :Nil

\* SNIP: Nil

\* SJR: Nil

\* Impact factor: Nil

\* h-index : Nil

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: Nil

22. Student projects : Nil

a) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/ visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National: Nil

b)International: Nil



26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
English	170	152	38	114	-

\*M=Male F=Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
English	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: Nil

29. Student progression: Not Applicable

30. Details of Infrastructural facilities

- a) Library: Books with borrowing facility.
- b) Internet facilities for Staff & Students: Nil
- c) Class rooms with ICT facility: Language Lab with basic spoken language equipments.
- d) Laboratories: In the process of setting up advanced language laboratory.

31. Number of students receiving financial assistance from college, university, government or other agencies: N.A

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Special training programme for poetry writing/Theatre/language

33. Teaching methods adopted to improve student learning: Lecture cum presentation

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans:

- Strength: A well designed course English programme, highly effective and a language laboratory and course resources.
- Weakness: The laboratory does not have high advanced testing facility. Department does not offer elective paper.
- Opportunity: The department can train students and conduct

various short term courses.

- Challenges: The department faces difficulty of testing large number of students.
- Future plans of the Department:
  1. The department plans to introduce at least three major papers in English literature with the permission of Goa University and Goa Government.
  2. Keeping in mind the need for a well equipped language laboratory, the department plans to set up a laboratory with advanced equipment for testing and evaluation.

## DEPARTMENT OF KONKANI

1. Name of the department: Konkani
2. Year of Establishment: 1986
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG in Konkani (3 Units)
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons : Nil
9. Number of Teaching posts

	sanctioned	Filled
Professors	---NA----	----NA----
Associate Professors	1	1
Asst. Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr.Bhushan Bhav	M.A. NET	Associate Professor	Konkani	23	NIL
Mrs.Shital Dessai	M.A., NET	Assistant Professor	konkani(language)	04	NIL
Mrs Antima Dessai	M.A., NET	Assitant Professor	konkani(language)	04	NIL

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 30 per cent
13. Student -Teacher Ratio (programme wise): 30:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.: M.A., NET
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University:
19. Publications:
  - a) Publication per faculty: Bhushan V. Bhave published 4 books namely
    1. Justice Shah Commission Report On Illegal Mining in Goa (Marathi) published by Gomant Samvardhan Sanstha, Ponda, Goa.(2012).
    2. Konkani Itihaas Parishad (Seminar Papers) (Marathi), Gomant Samvardhan Sanstha, Ponda, Goa.(2012).
    3. Konkani Bhasha:Prakriti Ani Parampara (Konkani), published by Goa Konkani Akademi, Panaji, Goa.(2013)
  - Number of papers published in peer reviewed journals (national / international) by faculty and students : Nil
  - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil
  - Monographs: Nil
  - Chapter in Books: Nil
  - Books Edited :Nil
  - Books with ISBN/ISSN numbers with details of publishers-Nil
  - Citation Index -Nil
  - SNIP-Nil
  - SJR -Nil
  - Impact factor-Nil
  - h-index -Nil
20. Areas of consultancy and income generated : Nil
21. Faculty as members in
  - a) National committees b) International Committees c) Editorial Boards...

Bhushan Bhawe is a member of many literary organizations in the State as well as National Level. Currently he is a Vice-Chairman of Goa Konkani Academy, which looks after the promotion of Konkani language in the state of Goa.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies.: Nil

23. Awards/ Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/ visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

- a)National: Nil
- b)International:Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
2013-2014	30	30	*09 *21	89.3%
2012-2013	42	42	*11*31	80.2%
2011-2012	35	35	*05*30	78.2%
2010-2011	32	32	*08*24	79%
2009-2010	34	34	*10*24	81.4%
2008-2009	37	37	*09*28	80%

\*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Konkani(3 Units)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : NET- 10

29. Student progression

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	85%
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library: The College has provided the department and the Students with spacious reading rooms and a wide array of books and journals to which students are given a free access.
- b) Internet facilities for Staff & Students: Internet facility is available to the staff member on the campus.
- c) Class rooms with ICT facility: Nil
- d) Laboratories: 1 Language Laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies: The details of the various scholarship and financial aid available to the students are displayed on the notice board. The student takes note of same and avail the facilities. The number varies from year to year.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: The Department organizes special lectures where expert are invited throughtout the year. Students are thus subject to current and updated knowledge in the field of konkani language.

33. Teaching methods adopted to improve student learning: The teaching faculty of the department is aware of basics of computers. The department faculty use OHP facilities for effective communication. The faculty teachers also use LCD projectors to conduct quiz programs, interactive sessions, seminars, workshops, etc. which are conducted as part of co-curricular programs. The student community is appreciative of such activities.

The department follows interactive sessions, group discussions, students' presentations and exposure programs. Some of the staff are being trained in using computer skills to manage ICT in teaching/learning.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: The students as well as teachers are enrolled into the field of NSS. It instills in the students a deep concern

35. SWOC analysis of the department and Future plans:

Strengths- A well furnished Language laboratory where the student develop three things- learning, writing, reading Skill.

Opportunities- A theoretical basic knowledge of Konkani language and literature.

Weaknesses- Need more finance to purchase more books for library.

Challenges -Providing leverage to the students to obtain good grades to make them viable in the job market

-Training the students for competitive examinations

## DEPARTMENT OF HINDI

1. Name of the department: Hindi
2. Year of Establishment: 1986
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): B.A.
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	Nil	
Associate Professors	Nil	
Asst. Professors	2	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4
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					years
Sandeep Lotlikar	M.A., M. Phil	Asst. Professor	Hindi	13	nil
Uma Priolkar	M.A., M. Phil	Asst. Professor	Hindi	15	nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: Nil
13. Student -Teacher Ratio (programme wise): 110:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.: M.A., M. Phil
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: No
19. Publications:
  - \* a) Publication per faculty  
Sandeep Lotlikar
    - 1) “Kashinath Singh ki kahaniya” published in the book entitled Hindi Kahani Parampara Evam Prayog, ISBN – 978-93-80042-37-4
    - 2) “Ekkisavi sadi ke pehle dashak ki kahaniyome stree vimarsh” published in the book entitled Apne samay me hastakshep, ISBN – 81-86101-70-5
    - 3) “Kashinath Singh ka sansmaranatmak sahitya” a book authored by me with ISBN 81-88-554-06-5
    - 4) Edited a book entitled “Katha Kunj”  
Uma Priolkar

1) “Maitreyi Pushpa ki kahaniya: Stree Chetana” published in the book entitled Hindi Kahani Parampara Evam Prayog, ISBN – 978-93-80042-37-4

- \* Number of papers published in peer reviewed journals (national / international) by faculty and students
- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Monographs
- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers
- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

**20.** Areas of consultancy and income generated: N.A.

**21.** Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Sandeep Lotlikar is a member of advisory board of Shodha dhara, a quarterly research journal of humanities and social sciences with A grade Impact factor - 5 to 10

**22.** Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Sr. No.	Number of Students	%age (Rounded)	Academic Year	Guide/ Supervisor
1.	34	75%	2009-2010	Sandeep Lotlikar and Uma Priolkar
2.	35	77%	2010-2011	
3.	28	72%	2011-2012	
4.	40	84%	2012-2013	
5.	15	25%	2013-2014	

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

**23.** Awards/ Recognitions received by faculty and students: Nil

**24.** List of eminent academicians and scientists/ visitors to the department: Nil

**25. Seminars/ Conferences/Workshops organized & the source of funding : Nil**

- a)National
- b)International

**26. Student profile programme/course wise: Nil**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	

\*M=Male F=Female

**27. Diversity of Students: Nil**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : Nil**

**29. Student progression:**

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

- 30. Details of Infrastructural facilities**
- a) Library: library facility is available
  - b) Internet facilities for Staff & Students: available: -
  - c) Class rooms with ICT facility: No
  - d) Laboratories: NA
- 31. Number of students receiving financial assistance from college, university, government or other agencies: Nil**
- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Nil**
- 33. Teaching methods adopted to improve student learning**
- Lectures and Demonstrations
  - Audio Visual Aids
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil**
- 35. SWOC analysis of the department and Future plans:**
- The department of Hindi has the highest number of students in Arts faculty. The students like to opt for Hindi because of the rich literature. Most of the students are from rural areas and the main objective is to provide them values to be good human beings through Hindi literature. In modern world it is seen that the present generation is going away from our own languages and Hindi literature serves to develop love for the language.

## DEPARTMENT OF MARATHI

1. Name of the department: Marathi
2. Year of Establishment: June 1986
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): B.A.
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise) : Semester
6. Participation of the department in the courses offered by other departments: N.A.
7. Courses in collaboration with other universities, industries, foreign institutions, etc :-
8. Details of courses/programmes discontinued (if any) with reasons --
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors	01	01
Asst. Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guide d for the last 4 years

Dr. Vidya Prabhudessi	M.A.Sanskrit M.A.Marathi M.Phil,Ph.D.	Associate Professor	Linguistics	30Years	N.A.
Mr. Deepak Chhatre	M.A.	Assit. Professor	Literature	18Years	N.A.
1.Mrs Reshma Patil 2.Krishnaji Kulkarni 3.Mrs. Seema Kshirasagar 4.Mrs Priyanka Khandeparkar 5. Dr. Geeta Gavas	M.A. B.ed. M.A.B.ed. M.A. B. ed. M.A. M.Phil. M.A. Ph.D.	L.B.2002-07 L.B.2007-09 L.B.2009-11 L.B.2011-13 L.B.2013-14	Temp.		

11 .List of senior visiting faculty

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:18%

Sem.I-II-1:30,Sm.III-IV-!:30,

Sem.V-VI-1:30

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :N.A.

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG

Dr. Vidya Prabhudessai-M.Mphil, Ph.D.Dr. Geeta Gavas-M.A. ,Ph.D.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

1)Funded by UGC.Completed Grant received Rs.35000/ Dr.Vidya Prabhudessai

2)Funded by UGC ongoing Sanctined Rs.6000/ Dr. Vidya Prabhudessai.

18. Research Centre /facility recognized by the University ---

19. Publications: List attached

- \* a) Publication per faculty
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students : 26
- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Monographs
- \* Chapter in Books :07
- \* Books Edited: 02
- \* Books with ISBN/ISSN numbers with details of publishers
- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index
- \* Books Published : 03

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Member of The Goa Hindu Association.

22. Student projects : N.A.

a) Percentage of students who have done in-house projects including inter departmental/programme

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

23. Awards/ Recognitions received by faculty and students

1) Dr, Vidya Prabhudessai HOD was awarded Utkrusht Granthpuraskar of 2012, by Gomantak MarathiBhasha Parishad for the book 'Gomantakiy Marathi Kadambari.

Miss Prachi Joshi T.Y. B.A. student was awarded by The Goa Hindu Association and Gomantak Marathi Acadamy, Panaji Goa, for securing highest marks in Marathi Subject at University level.

24. List of eminent academicians and scientists/ visitors to the department; Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

b) International

26 Student profile programme/course wise: Nil

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage

\*M=Male F=Female



27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.:

04-05

29. Student progression

Student progression	Against % enrolled
UG to PG	30-40%
PG to M. Phil.	10-20%
PG to Ph.D.	05-10%
Ph.D. to Post-Doctoral	Nil
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library Books, Audio-Visual Facility (C.Ds), Language Lab.
  - b) Internet facilities for Staff & Students ---
  - c) Class rooms with ICT facility---
  - d) Laboratories ---Language Lab.
31. Number of students receiving financial assistance from college, university, government or other agencies: Nil
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Nil

33. Teaching methods adopted to improve student learning Talk and Chalk, Seminars, Workshops, Guest Lectures etc.: Nil
33. Participation in Institutional Social Responsibility (ISR) and Extension activities – Through N.S.S. : Nil
34. SWOC analysis of the department and Future plans:-

## DEPARTMENT OF INFORMATION TECHNOLOGY

1. Name of the department: Information Technology (I.T.)
2. Year of Establishment : 2000
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): Compulsory Paper for F.Y.B.A./B.Sc
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise) :  
Semester System (Semester I & II)
6. Participation of the department in the courses offered by other departments:  
Mathematics Paper I (Numerical Analysis and Linear Programming )  
(Semester IV)
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses / programmes discontinued (if any) with reasons : Nil
9. Number of Teaching posts:

	sanctioned	Filled
Professors	Nil	Nil
Associate Professors	One	One
Asst. Professors	As per the work load	As per the workload

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
MITA N. AMONKAR	M.Sc, M.Phil, Registered for Ph.D.	Associate Professor	Mathematics	Nil	

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme

wise) by temporary faculty: 16 % of the total lectures ( 5 lectures out of 30 for F.Y.BA/B.Sc)

100% practicals as per batches for F.Y.B.A/BSc) handled by the IT Lab Instructor

13.Student -Teacher Ratio (programme wise)

F.Y.B.A: 2 : 152

F.Y.B.Sc: 1: 131

14.Number of academic support staff (technical) and administrative staff; sanctioned and filled: One IT Lab Instructor

15.Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

M.Sc, M.Phil, Diploma in computer Programming, Certificate Course in BASIC, Diploma in Web Technology

On the verge of completing Ph.D at Karnataka University , Dharwad.

16.Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17.Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18.Research Centre /facility recognized by the University

19.Publications:

- \* a) Publication per faculty: Two
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students: Nil
- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil
- \* Monographs: Nil
- \* Chapter in Books : Course material prepared prepared for II sem syllabus on Cyber Security
- \* Books Edited: Nil
- \* Books with ISBN/ISSN numbers with details of publishers: Nil
- \* Citation Index :Nil
- \* SNIP: Nil
- \* SJR: Nil
- \* Impact factor: Nil

\* h-index : Nil

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards : Nil

22. Student projects : It is a compulsory paper for F.Y.B.A/B.Sc without projects. However Home assignments are completed by the students on current topics/issues in IT.

a) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/ visitors to the department:

Mr.Vithal Sukhtankar (Associate Professor at GIM)

Mr. Vinayak Nayak ( Director, Delta Technologies)

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National: Nil

b)International: Nil

Organised talks for the students through the department and Study Circle

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
INFORMATION TECHNOLOGY	Compulsory Paper for F.Y.BA/BSc	As per admission procedure	73 210	As per admission procedure

\*M=Male F=Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
INFORMATION TECHNOLOGY	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Information Technology is a compulsory Paper only for F.Y.B.A/B.Sc.

29. Student progression: Not Applicable

Student progression	Against enrolled	%
UG to PG		
PG to M.Phil.		
PG to Ph.D.		
Ph.D. to Post-Doctoral		
Employed		
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>		
Entrepreneurship/Self-employment		

30. Details of Infrastructural facilities

- a) Library: Department has a small library for the students
- b) Internet facilities for Staff & Students
- c) Class rooms with ICT facility
- d) Laboratories: Department has a Lab with 38 computers and networking facility

31. Number of students receiving financial assistance from college, university, government or other agencies: N.A

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Lectures are organized through Study Circle

33. Teaching methods adopted to improve student learning: The Practical component of the Paper trains the students for ppt presentations and also equip them with the knowledge of using digital devices.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Faculty has worked as a Senior Supervisor for Maharashtra Talent Search Examination Conducted in Goa
- Faculty is working as a Nodal officer for All India Survey on Higher Education.
- Co-ordinator with the Web Designer for updating the college website
- As a NSS Co-Programme officer contributed towards tree plantation programme, collection of plastic bags, cleanliness of the campus
- Through Study Circle organized a lecture on E- Waste management which is the need of the hour.

35. SWOC analysis of the department and Future plans:

- Strength: A well equipped Lab with networking facility
- Weakness: Lab does not have Internet facility
- Opportunity: The department can conduct short term courses in cyber security, animation , training on how to use special software packages
- Challenges: Conducting practical at the first year for over 300 students within the scheduled time limit. Assesement of the assignments/papers of over 300 students within the scheduled time period.
- Future plans of the Department:
  - Conduct certificate courses as per the applications of IT
  - Train staff and students for using technology
  - Faculty would be trained for updating the College Website

## DEPARTMENT OF ECONOMICS

1. Name of the department: Economics
2. Year of Establishment: 1986
3. Names of programmes/Courses offered (UG, PG, M.Phil, Ph.d, Integrated Masters; Integrated Ph.d, etc): B.A in Economics (3 units)
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/semester/choice based credit system (programme wise): Semester based system as per Goa University Guidelines.
6. Participation of the department in the courses offered by other departments: The department teachers teach a paper for S.Y.B.Sc Industrial Chemistry (Entrepreneurship development), and for T.Y.B.Sc Industrial Chemistry (Chemical Process Economics and Industrial Organisation).
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching Posts

	Sanctioned	Filled
Professors	-----	-----
Associate Professors	2	2
Asst. Professors	1 lecture basis	1 (Lecture Basis)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc/D.Litt./Ph.D./M.Phil.etc)

Name	Qualification	Designation	Specialization	No. Of Years Of Experience	No.of Ph.D. Students guided for the last 4 years
Anil V Bhandiwad	M.A, M.Phil	Associate Professor	Economics	28	---



Dr. J.G.R. Monteiro	M.A, Ph.D	Associate Professor	Infrastructure Economics	25	----
Lida Joao	M.A., SET,L.L.B	Asst. Professor	Economics	2	-----

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 12 per cent lectures
13. Student-Teacher Ratio (programme wise): 88:1 (Current)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil
15. Qualifications of teaching faculty with D.Sc/D.Litt./Ph.D./M.Phil/PG:
  - Mr. A. V. Bhandiwad has completed M.Phil in service in 1996
  - Dr. Jeronimo G R Monteiro has completed Ph.D in Service from the University of Mumbai in July 2010.
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: One project funded by UGC and sanctioned amount is Rs. 4.35,000/-(Investigator is Dr. Jeronimo G R Monteiro)
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. And total grants received: UGC funded project and total amount sanctioned is Rs. 4,35,000/-
18. Research Centre/facility recognized by the University: Nil
19. Publications:
  - a) Publication per faculty: 1. Anil V Bhandiwad has published one article in *Tauz Vol. 1, No.2* in August 2007. Title of the paper is “Special Economic Zones: Do we need them”.
  - 2. Dr. Jeronimo G R Monteiro has the following publications:
    - i. Mormugao Port: The Golden gateway to Goa published in the journal *Research in Maritime History*, No. 35, Canada, December 2007
    - ii. Measuring productivity and efficiency of major ports of India, *Economic and Political Weekly*, Vol. XLV, NOS. 26 & 27 June 26 – July 9, 2010.
    - iii. Dancing to the tune of waves: Impact of Maritime Heritage on Tourism in Goa, in *Proceedings of International conference on Tourism, 2011*, edited by Andriotis, K,

Antonis Theocharous & Filareti Kotsi, published by International Association for Tourism Policy.

iv. Measuring Productivity, Efficiency of Indian Ports: Where do they Stand? In *CES, Manthan, a multi disciplinary journal*, (2009)

v. Environmental, Ecological Economics for Sustainable Development, in '*Sounved*' PES, Research Journal, Vol.I, 2011-2012.

vi.

- Number of papers published in peer reviewed journals (national/international) by faculty and students: Nil

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities, International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc): Nil

- Monographs: Nil

- Chapter in Books:

1. Impact of Mormugao Port on Developmental Parameters of Goa: A Historical and Economic Perspective (2010) in S. Sriraman (Ed), *Transportation System Studies and Policy Analysis*, Himalaya Publishing House, Mumbai.

2. The Malmquist Total Factor Productivity Index of Seaport using DEA Apporach, in Subrata Debnath (Ed) (2013), *The Contemporary Management Research Handbook*, LAP LAMBERT Academic Publishing, Germany.

- Books Edited: Nil

- Books with ISBN/ISSN numbers with details of publishers: Nil

- Citation Index: Nil

- SNIP: Nil

- SJR: Nil

- Impact factor: Nil

- H-index: Nil

**20.** Areas of consultancy and income generated: Nil

**21.** Faculty as members in

a) National committees b) International committees c) Editorial Boards..  
Nil

**22.** Student projects: Nil

- a) Percentage of students who have done in-house projects including inter departmental/programme
- b) Percentage of students placed for projects in organizations outside

**23.** Awards/ Recognitions received by faculty and students: Nil

**24.** List of eminent academicians and scientists/ visitors to the department: Nil

**25.** Seminars/ Conferences/Workshops organized & the source of funding: Nil

a)National

b)International

**26.** Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Sem. I/II 2009-10	64	60	15	45	85.36
Sem. I/II 2010-11	58	55	13	42	100.00
Sem. I/II 2011-12	70	64	12	42	84.61
Sem. I/II 2012-13	75	71	25	46	96.00
Sem I/II 2013-14	77	72	12	60	92.00

\*M=Male F=Female

**27.** Diversity of Students(2013-2014)

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Sem. I/II	100%	-	-
Sem.III/IV	100%	-	-
Sem.V/VI	100%	-	-

**28.** How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : Nil

**29.** Student progression

Student progression	Against % enrolled
UG to PG	10
PG to M.Phil.	

Student progression	Against enrolled	%
PG to Ph.D.		
Ph.D. to Post-Doctoral		
Employed		
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	80	
Entrepreneurship/Self-employment	10	

- 30.** Details of Infrastructural facilities
- a) Library: Departmental Library having 50 books
  - b) Internet facilities for Staff & Students : Nil
  - c) Class rooms with ICT facility: Nil
  - d) Laboratories: N.A.
- 31.** Number of students receiving financial assistance from college, university, government or other agencies : 10 per cent
- 32.** Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: At least two guest lectures are organized annually under the Economics Association of the department. In addition discussions, workshops etc. are organized depending on the availability of resource person.
- 33.** Teaching methods adopted to improve student learning: Besides the regular teaching methods (Chalk and Black board), OHP, power point, student presentations, etc. are used to improve student learning.
- 34.** Participation in Institutional Social Responsibility (ISR) and Extension activities: A.V. Bhandiwad: 1)Secretary of Housing Co-operative Society 2)Divisional Controller for Maharashtra Talent Search Examination (MTSE) for Goa Region. 3)Participation in Activities of Chinmay Mission, Ponda.
- 35.** SWOC analysis of the department and Future plans:
- Strengths
1. Highly qualified, competent and experienced teachers.
  2. Cordial relations with the students, other departments, administrative staff and management.
  3. Good collection of text and reference books, journals and periodicals.
  4. Personal attention to students
  5. A humane approach to the redressal of students' grievances

6. Availability of teachers on the campus beyond the prescribed working hours
7. Participation of teachers in the state, national and international level seminars, conferences, workshops etc.
8. Encouragement to students to participate in inter-collegiate academic and other activities
9. Involvement of teachers in major and minor research projects
10. Promotion of a deeper understanding among students of various economic issues through the activities of the Economics Association.
11. Assistance to students in recruitment and placement.

#### Weaknesses

1. Poor academic background of the students, particularly the linguistic skills
2. Inadequate infrastructure
3. Greater use of traditional methods of teaching
4. Limited interaction with stakeholders such as industries, banks, parents and society at large.
5. Lack of emphasis on such academic activities as organization of seminars, workshops, etc.

#### Opportunities

1. Growing importance of and awareness about the subject of economics in the society.
2. Good scope for field work/extension activities on account of a good network of industries, financial institutions, etc. In an around the Ponda City
3. Good scope for starting short term job oriented and skill enhancing courses relating to the subject of economics.
4. Growing employment potential for graduates in economics.

#### Challenges

1. Improving the confidence, concentration power and general discipline of the students.
2. Motivating the students to achieve a higher level of performance through appropriate incentives
3. Introduction of professional courses such as BBA, by some colleges in Goa which may affect the intake in the department.

**Future Plans**

1. To introduce specialization/6 units in Economics at the T.Y. B. A. Level
2. To undertake more research projects funded by various agencies.
3. To conduct more activities under the economic association of the department

## DEPARTMENT OF HISTORY

1. Name of the department: HISTORY
2. Year of Establishment: 1986
3. Names of Programs/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG (B.A)
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise):
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: NIL
9. Number of Teaching posts: 3

	Sanctioned	Filled
Professors		
Associate Professors	2	2
Asst. Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Padmaja V. Kamat	M. A. Ph. D. NET, SET	Associate Professor	Religious History of Goa	18 Years	NIL
Dr. Varsha V. Kamat	M. A. Ph. D.	Associate Professor	Social History of Goa	28 Years	NIL
Mr. Aditya Watve	M. A.	Assistant Professor	-	1 Year	NA

10. List of senior visiting faculty: NIL

11. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty: 15 Lectures/week

12. Student -Teacher Ratio (programme wise): 1:69

13. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

14. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG: As mentioned in 10. above

15. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01

16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sr. No.	Title of the project	Name of the investigator / co-ordinator	Year of Sanction	Year of Completion	Amt Sanctioned	Sanctioned By
1	Portuguese and British Colonialism in the Indian Sub-Continent – A Comparative Study of socio-economic and religious aspects.	Dr.Varsha V. Kamat	March 2001	2003	40,000/-	UGC

Ongoing Projects: One

Sr. No.	Title of the project	Name of the investigator/ co-ordinator	Year of Sanction	Year of Completion	Amount Sanctioned	Sanctioned By
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1	Demographic Study of the 20 <sup>th</sup> Century Goa-Its Socio-Economic and Religious Fallout	Dr. Varsha V. Kamat Mr. A.V. Bhandiwad	July 2008	July 2010	75,000/-	UGC
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17. Research Centre /facility recognized by the University: NIL

18. Publications:

- \* a) Publication per faculty
  1. Dr. Padmaja V. Kamat: 8
  2. Dr. Varsha V. Kamat: 5
  
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students

Dr. Padmaja V. Kamat:

01 Peer Reviewed Research Paper namely:

- a) 'Temple Economy in Goa: A Case Study' presented on June 28, 2013 in the 'MacrothemeConference on Business and Social Science' at Dubrovnik, Croatia is published in International Research Journal, 'Macrotheme Review' 2(5) Fall 2013, Edited by Dr. DamirTokic, published from USA.

The Abstract of the Paper is published in the Official Book of Abstracts.

03 Peer Research Papers namely:

- a) 'Goan Temples: Symbols of Cultural Annihilation and Resurgence' presented on June 2, 2012 at Osaka, Japan, pat the Second Asian Conference on Cultural Studies conducted by the International Academic Forum (IAFOR), Japan, has been published on-line in the Conference Proceedings.
- b) Peer reviewed Research Paper entitled '*Evolution of Worship of the Mother Goddess in Goa*' at the Asian Conference on Arts and Cultures (ACAC 2013) organized on June 14, 2013 in Bangkok, Thailand, by Srinakharinwirot University in collaboration with KhonKaen University, UbonRatchathaniUnivezity, Walailak University and Thaksin University, all from Thailand, Guangxi Teachers Education

University from China and Essex University from UK is published in the Official Conference Proceedings.

Abstract of the Paper is published in the Official ACAC 2013 Book of Abstracts.

c) Peer reviewed Research Paper entitled '*Temple Economy in Goa*' presented at the First European Conference on the Social Sciences 2013 conducted on July 7, 2013 at Brighton, U. K. by the International Academic Forum, Japan, in affiliation with its global partners namely, Waseda University (Japan) Birkbeck University of London (U. K.), University of Lincoln (U. K.), Virginia Tech (U. S. A.), National Institute of Education (Singapore), Tainan University (Taiwan) and the Hong Kong Institute of Education (HKSAR), is published in On-line Official Conference Proceedings.

- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NIL
- \* Monographs
- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers
- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

19. Areas of consultancy and income generated

20. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

21. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: The students who opt for doing Projects in History at T. Y. B. A. are encouraged to choose any aspect of local history and complete them systematically.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: NIL

22. Awards/ Recognitions received by faculty and students

Dr. Padmaja V. Kamat

1. Was awarded Teacher Fellowship to complete Ph. D. between September 2009 – September 2011
2. Received the Degree of Ph. D. in November 2012
23. List of eminent academicians and scientists/visitors to the department: NIL
24. Seminars/ Conferences/Workshops organized & the source of funding: NIL
  - a)National
  - b)International
25. Student profile programme/course wise:

Academic Year	Applications received	Selected	Enrolled		Pass percentage
			M	F	
2002-03	48	48	30	18	95
2003-04	48	48	33	15	97
2004-05	67	67	28	39	88
2005-06	58	58	14	44	92
2006-07	60	60	14	46	88
2007-8	63	63	10	53	79
2008-09	63	63	14	49	97
2009-10	74	74	23	51	90
2010-11	59	59	11	48	94
2011-12	76	76	28	48	87
2012-13	84	84	13	71	86

\*M=Male F=Female

26. Diversity of Students: All students enrolled are from the State of Goa

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: 1

28. Student progression

Student progression	Against% enrolled
UG to PG	4%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
• Campus selection	NIL
• Other than campus recruitment	32%
Entrepreneurship/Self-employment	0.1%
Total Passed	233

29. Details of Infrastructural facilities

- a) Library: The Dept. has a well-stocked repository in the College Library.
- b) Internet facilities for Staff & Students: LCD Projector is taken to the class wherever the lecture is scheduled.
- c) Class rooms with ICT facility:
- d) Laboratories

30. Number of students receiving financial assistance from college, university, government or other agencies: 20%

31. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Guest Lectures conducted in regular intervals.

32. Teaching methods adopted to improve student learning: Power Point Presentations are conducted regularly.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities: Teachers do participate in the Extension Activities of the College on the campus and also beyond.

34. SWOC analysis of the department and Future plans:

Strength: The biggest strength of the Dept. is the highly qualified permanent Teachers, both with Ph. D., committed to research and having consistent exposure to State, National and International Seminars and Conferences.

Weakness: The intake of the students is primarily from the rural areas, having difficulty with the medium of instruction i. e. the English language. They also have financial difficulties most of the times.

Opportunity: The different schemes offered by the UGC and presently by the RUSA can be explored to probe the possibility of enhancing the employability of the students by starting new courses and programs through our Dept. like M. A in Applied History, which can enable them to work in Museums, Libraries, Archives, Tourism Industry, etc.

Challenge: Infrastructural facilities need to be created with concerted efforts.

## DEPARTMENT OF POLITICAL SCIENCE

1. Name of the department: Political Science
2. Year of Establishment: 1986
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): B.A. Programme in Political Science/ B.A. 1<sup>st</sup> to 4<sup>th</sup> Semesters, B.A. 5<sup>th</sup> & 6<sup>th</sup> Semesters (03 Papers with Project Work) & 06 Papers with compulsory Additional Project Work
4. Names of Interdisciplinary courses and the departments/units involved: N.A.
5. Annual/ semester/choice based credit system (programme wise) : Semester
6. Participation of the department in the courses offered by other departments: N.A.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Certificate Course in Human Rights Education with financial assistance of UGC.
8. Details of courses/programmes discontinued (if any) with reasons : N.A.
9. Number of Teaching posts:

	sanctioned	Filled
Professors	Nil	Nil
Associate Professors	One	One
Asst. Professors	One	One

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Badruddin	M.A. Sociology (Entire), M.A.	Associate Professor	International Relations & Human Rights	23 Years	N.A.

	Political Sciences (Entire), M.Phil & Ph.D.				
Dr Aditi Rane	M.A. (Political Science (Entire), Ph.D. & SET	Assistant Professors	Goan Politics	12 Years	

11. List of senior visiting faculty: N.A.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 16.67 % ( 08 out of 48 Lectures)

13. Student -Teacher Ratio (programme wise): Average Ratio

B.A. First Year -1<sup>st</sup> & 2<sup>nd</sup> Semesters (35:1)

B.A. Second Year -3<sup>rd</sup> & 4<sup>th</sup> Semesters (30:1)

B.A. Third Year -5<sup>th</sup> & 6<sup>th</sup> Semesters (03 Units with Projects) (20:1)

B.A. Third Year -5<sup>th</sup> & 6<sup>th</sup> Semesters (Entire Units with Projects) (6:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.:

Dr Badruddin: M.A. Sociology (Entire), M.A. Political Sciences (Entire), M.Phil. & Ph.D.

Dr Aditi Rane: M.A. (Political Science (Entire), SET & Ph.D.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: UGC-Certificate Course in Human Rights, UGC Grants Sanctioned: Rs. 4,00,000 (4 Lakh), Grants Received 320,000 (3.20 Lakh)

18. Research Centre /facility recognized by the University: N.A.

## 19. Publications:

- \* a) Publication per faculty  
(DR. BADRUDDIN, Associate Professor)
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students:
- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Monographs
- \* Chapter in Books:
  - “Dilemma behind Pak’s Nuclear Programmes : Options before India” in Annpurna Nautiyal, ed., *Challenges to India’s Foreign Policy in the New Era* (New Delhi: Gyan Publishing,House,2006), pp.198-204. (ISBN: 81-212-0889-0)
  - “Relevance of India’s Foreign Policy: Nehruvian and Post Nehruvian Perspective” in T.A.Nizami,ed., *Jawaharlal Nehru: the Architect of India’s Foreign Policy* (New Delhi: ICON Publishers, 2005). ISBN: 978-81-88086-56-6
  - “Nehru’s View in Minorities” in T.A.Nizami, ed., *Jawaharlal Nehru and Nationalism* (Aligarh ; Three Way Printers,2004).pp.95-102.
  - Nehru’s Contributions to the United Nations and Future Directions in T.A. Nizami, ed., *Socio Economic Ideas of Jawaharlal Nehru* ( New Delhi: ICON Publishers, 2006). ISBN: 978-81-88086-56-6
  - “Refugees and Resettlements: A Case Study of Bangladeshi Refugees in India” in T.A.Nizami, ed., *Resurging India :National & International Scenario* (New Delhi: Icon Publishers, 2010) (ISBN: 978-81-88086-56-6)
  - “Globalization of Brain Drain and its Implication on India’s Political Economy: A Case Study of Indians in Eastern Europe with Special Reference to Russia” in Ravikesh Shrivastava & Others, ed., *Business Competitiveness in the 21<sup>st</sup> Century: Emerging Challenges in a Changing Global Business Environment* (New Delhi: Macmillan Publishers India, Ltd., 2012), pp.1-11 (ISBN:978-935-059-034-8).
  - “Population Dynamics and Globalization: A Case Study of Indian Diaspora in the United States” in Abdul Munir & Ateeque Ahmed (Ed), *Resource Development and Environmental Change* (New Delhi: Concept



Publishing Company Pvt Ltd, 2012), pp.280-300. Vol.III, (ISBN 978-81-8069-899-6).

- “Indian Diaspora in South Africa: Myth or Reality”, in Raj Kumar Kothari, ed., *Emerging India as a Global Player : Growing Ties and Challenges* (New Delhi: Atlantic Publishers & Distributors Ltd, 2012), PP.150-72. (ISBN: 978-81-269-1683-2).
- “Migration and Globalization of Brain Drain: Status of Indian Community in Indonesia”, in Ravichandran Krishnamurthy (Ed.), *Proceedings of ARC-2012, International Conference on Business Management*, Academic Research Publishers (Abu Dhabi, UAE), December 2012 (ISBN No.: 978-0-615-73960-1)- Online E-Book
- “Eco-Tourism and Rural Development: A Case Study of Beaches in Goa” in Rais Ahmed, Ed., *Tourisms and Rural Management* (New Delhi: Regal Publications, 2013). (ISBN: 2230-8296).
- “ Globalization and Indian Democracy: Dilemmas and Opportunities” in Sowmya B. Satish (Ed), *Contemporary Issues in Global Business* (Bangalore), Don Basco Institute of Technology, 2013, pp. 13-19 ( ISBN 978-93-83241-00-2 ).
- “Conflict, Refugees and Human Right Agencies in India: A Study of Bangladesh” *A Turbulent Voyage of Rights for Humanity*, in Renu Trivedi, ed., K.B. College of Arts & Commerce for Women, Thane, 5 October 2013, pp. 58-65 (ISBN 978-93-5142-130-6).
- “Indian Community in Hong Kong: Remittances, Opportunities and Challenges” at in Naveen Kumanr Bhandari & Others, ed., *Global Business Strategies -Touching New Horizon* (Karimnagar, Andhra Praesh, Zenon Academic Publishing), 2014, pp. 38-42 (ISBN: 978-81-926819-2-4).
- “Indian Community in Hong Kong: Remittances, Opportunities and Challenges” in Shridhar Shetty & Others. Ed., *Human Resource Development: Realities, Practices & Challenges* (Mumbai: Himalaya Publishing House Pvt Ltd. 2014, pp.163-69 (ISBN: 978-93-5142-451-20).
- “Corporate Governance in Goa: Strategies to Improve Service Delivery in Selected Rural Sectors” in Bhattacharya, Ritu, ed. *Connaissance -2014: Hunt for Knowledge* (Navi Mumbai: Indira Institute of Business Management), 2014, pp.36-44, ISBN 978-81-921818-1-3

\*Books Edited: Nil

\*Books with ISBN/ISSN numbers with details of publishers

*Global Peace & Anti Nuclear Movement* (2003), New Delhi: Mittal Publications, ISBN 81-7099-887-5 Full Text is also available on [http://books.google.co.in/books?id=7WL7ltFl4mIC&pg=PA39&dq=Book+on+Global+Peace+and+Anti+Nuclear+Movements&source=gbs\\_toc\\_r&cad=4#](http://books.google.co.in/books?id=7WL7ltFl4mIC&pg=PA39&dq=Book+on+Global+Peace+and+Anti+Nuclear+Movements&source=gbs_toc_r&cad=4#)

\*Citation Index:

- *Book Review : Annapurna Nautiyal (ed), Dilemma behind Pak's Nuclear Programmes : Options before India, Gyan Publishing House, 2006) Price. Rs. 690/- pp.387, Asia Pacific panorama (New Delhi) , Vol. 6, No.2, December 2007,pp.82-85, ISBN: 81-212-0889-0*
  - \* SNIP
  - \* SJR
- “Credibility of Media: Questioning the Status of Muslim Minorities in India” *Global Education Society and Development” International Journal of Academicians* (New Delhi), Vol.1, No.2, July-September 2009, pp.71-85 (ISSN:0975-1319).
- “Indian Diasporic Identity in UK: Opportunities & Dilemmas” *Indian Journal of South Asian Studies* (Pondicherry), Vol. 2, No.1, January-June 2009, pp.24-41. (ISSN 0974-2514).
- “Diaspora and Globalization of Culture: A Study of Indian Migrants in South East Asia” *Asia Pacific panorama* (New Delhi), Vol. 8, No.1, June 2009, pp.28-48. (ISSN: 0972-7051)
- “Japan's Role in Promoting North South Dislodge” *Journal of Asia Pacific Panorama* (New Delhi), Vol.5, No.1, June 2006, pp.79-89. (ISSN: 0972-7051)
- “Kyrgyzstan's Struggle for Democracy: Past, Present and Future”, *West Bengal Political Science Review* (Kolkata), Vol.13, Nos.1-2, January-December 2010, pp.30-56. (ISSN: 2230-8296)
- “Eco Tourism and Sustainable Development: A Case Study of Goa” *Geographer* (Aligarh), Vol. 57, No. 2, July 2010, pp.88-98. (ISSN: 0072-0909)
- “Indian Diaspora in UAE and Human Resource Management: Political and Economic Identity” *International Journal of Engineering, Science and Research* (Pune), Special Edition, August 2012, p.57-63 (ISSN No.: 2231-5535). Online Journal

- “India Workers in Gulf: Issues and Challenges with Special Reference to UAE, *Indian Journal of Politics* (Aligarh), Vol.46, Nos.3-4, July –December 2012, pp.300-317. (ISSN: 0303-9957).
- “Indian Migrants in Thailand: Remittances, Opportunities and Contemporary Challenges” *International Journal of Business, Management and Social Sciences* (Pune), Vol. II, Issue 10(1), June 2013, pp. 48-53. (ISSN: 2249-7463).
- “Human Rights and WTO: Hierarchy, Confrontation or Coordination”, *International Journal of Applied Management and Business Utility* (Chennai), Vol.2, No.2, April-June 2014, pp.44-48. ISBN 2347-8608

- \* Impact factor
- \* h-index

20. Areas of consultancy and income generated :

Certificate Course in Human Rights Education: Sanctioned Amount Rs. 4,00000/-(Four Laks only )/, Fund Received 3,20,000/- (Three Laks and Twenty Thousands only)/ Total Income Generated out of Fees: 44,000/- (Forty Four Thousands only), Under Coordination of Dr Badruddin

21. Faculty as members in

- a) National committees b) International Committees : Dr. Badruddin is Appointed as a Member of Scientific Committee for the forthcoming International Conference on “Communication and Media” (18-20 October 2014) being organized by University of North Malaysia, Langkawi, Kedah Malaysia. c) Editorial Boards....

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : (Last Five Years)

SL.No.	Number of Students	%age (Rounded)	Academic Year	Guide/ Supervisor
1.	13	25%	2009-2010	Dr Badruddin
2.	20	35%	2010-2011	
3.	13	25%	2011-2012	
4.	06	12%	2012-2013	
5.	10	25%	2013-2014	
1.	06	12%	2009-2010	Dr Aditi M. Rane
2.	07	12%	2010-2011	
3.	14	28%	2011-2012	

4.	12	25%	2012-2013	
5.	10	25%	2013-2014	

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: N.A.

23. Awards/ Recognitions received by faculty and students

- Honoured as Visiting Professor & Chair : 20 February 2010 to 19 July 2010, Centre for Indian Studies, Osh State University, Kyrgyzstan, deputed by Indian Council for Cultural Relations (ICCR), Ministry of External Affairs, Government of India, New Delhi. (Dr. Badruddin)
- Appointed as a Member of Scientific Committee for the forthcoming International Conference on “Communication and Media” (18-20 October 2014) being organized by University of North Malaysia, Langkawi, Kedah Malaysia. (Dr. Badruddin)
- Chaired sessions at Conferences : International (Malaysia 1, Ghaziabad 1, Aligarh 1, & Kochin 1), National ( Hyderabad 1 ) & State (Ponda, Goa 1) (Dr Badruddin)

24. List of eminent academicians and scientists/ visitors to the department: N.A.

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

a)National

b)International

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Sem I/II (2009-10)	70	66	21	45	82%
Sem I/II (2010-11)	60	58	17	41	85%
Sem I/II (2011-12)	68	63	24	39	83%
Sem I/II (2012-13)	72	63	24	39	88%
Sem I/II (2013-14)	70	62	13	49	89%

\*M=Male F=Female

27. Diversity of Students Years :

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
			Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

- 01: Miss Fauzia Rizvi : NET
- 02: (Mr. Mukund Narvker): NET & JRF

29. Student progression

Student progression	Against % enrolled
UG to PG	-
PG to M.Phil.	02
PG to Ph.D.	02
Ph.D. to Post-Doctoral	Nil
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library: Separate Resource for Books in Human Rights attached to Department of Political Science
- b) Internet facilities for Staff & Students : Commonly Available for staff
- c) Class rooms with ICT facility: No
- d) Laboratories: N.A.

31. Number of students receiving financial assistance from college, university, government or other agencies: N. A.

32. Details on student enrichment Programmes (special lectures / workshops / seminar) with external experts :

Under Human Rights Programme in coordination with Dr Badruddin, Head, department of Political Science, the following lectures/seminars were organized:

- a. One Day All Goa Seminar on “India’s Foreign Policy: Options and Priorities” 24 April 2006. (Report Appeared in *University News*, New Delhi, 44(25), June 19-25, 2006, p.25.
- b. “ Human Rights Scenario in Goa” Resource Person: Mr. Yeshwant Naik, Lecturer, Ramnath Kare College of Law, Margao, Goa (02.04.2011).
- c. “Child line and Sex Abuse” Resource Persons: Chetan Naik & Prudencia Vaz, Childline Goa (09.07.2011)
- d. “ Human Rights & Judicial Activism” Resource Persons, Mr. Yeshwant Naik, Lecturer, Ramnath Kare College of Law, Margao, Goa (30.09.2011).
- e. “ Domestic Violence Against Women: A Human Rights Issue” Resource Person: Ms Shruti Nadkarni, Lecturer, Ramnath Kare College of Law, Margao, Goa (17.03.2012).
- f. “Women, Crime and Law: A Rape Case of Delhi” ” Resource Person, Advocate Aruna Sanadi, Independent Legal Professional (08.02.2013)
- g. “Women and the Law: A Human Rights Approach” by Ms Lida Joao, Associate Professor in Economics, Naval Provost & Training School, Verem, Goa (23.02.2013)
- h. “Human Rights of Women & Children in Contemporary India” Ms Lida Joao, Associate Professor in Economics, Naval Provost & Training School, Verem, Goa (13.03.2014)
- i.

33. Teaching methods adopted to improve student learning:

- i. Lectures and Demonstrations
- ii. Audio Visual Aids
- iii. Field Visits

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

- Annual Exercise of Students’ Parliament
- Regular Filed Works as part of Projects at Third Year B.A. Level
- Social Visits at noted places to collect primary/empirical data for human rights projects
- Visit to Department of Political Science to attend Annual Political

- Science Workshop/programmes at Goa University.
35. SWOC analysis of the Department and Future Plans:  
Department of Political Science, one of the most popular in terms of admission intakes, better results and professionally supportive is planning to start several extension activities including job oriented courses. Furthermore, Student Support and Progression, better Infrastructure, teaching and Learning Resources, improvement of Curricular Aspects will also be given focus in years to come.
- Future Plans ;
- Planning to start job oriented & Skill Based courses like
  - Political Reporting,
  - Journalism,
  - Parliamentary Practices
  - Diploma courses in Industrial Law, Environmental Law, Personnel Law, etc.
  - Diploma Course in Human Rights Education
- Other Future Plans/Infrastructure
- Counseling Cell for Weak and Poor Students.
  - Coaching Facility for various competitive examinations
  - Departmental Alumni Association
  - Provision for Departmental Library/ Book Bank
  - Provision to start PG Courses
  - Enhancement of teaching & learning resources though use of ICT

## DEPARTMENT OF PHILOSOPHY

1. Name of the department: Philosophy
2. Year of Establishment: 1986
3. Names of Programmes / Courses offered : UG
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors	--	--
Associate Professors	02	02
Asst. Professors	Lecture Basis – 01	

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Kamladevi Kunkolienker	M.A., PhD	Associate Professor	Philosophy of Mind	28 years	----
Dr. Anjali Rao	M.A., PhD	Associate Professor	Samkhya Philosophy	24 years	-----

11. List of senior visiting faculty : 01  
Dr. S.K. Chahal, Dept of Philosophy, Pune University
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 6 Lectures  
Environmental Ethics : (FC ) Semester III & IV – 4 LECTURES  
Value Education (Allied to Major): 2 Lectures
13. Student -Teacher Ratio (programme wise)



- I & II Semester – 68: 1  
 III & IV Semester – 53 :1  
 V & VI Semester – 27 :1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil
15. Qualifications of teaching faculty with Ph.D: 02 (Both the teachers are Ph.D)
16. Number of faculty with ongoing projects from  
 a) National: 01 UGC  
 b) International funding agencies and grants received : ---
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received,  
 Goa Konkani Academy: 12000  
 IISR Pune: 90000  
 UGC: 75000
18. Research Centre /facility recognized by the University : N.A.
19. Publications:
- \* a) Publication per faculty
  - \* Number of papers published in peer reviewed journals (national / international) by faculty :  
 International : 04  
 National : 01
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs : 01 Book(In Konkani)
  - \* Chapter in Books : 02
  - \* Books Edited Nil
  - \* Books with ISBN/ISSN numbers with details of publishers: Nil
  - \* Citation Index
  - \* SNIP
  - \* SJR
  - \* Impact factor
  - \* h-index
20. Areas of consultancy and income generated : Nil
21. Faculty as members in  
 a) National committees  
 b) International Committees  
 c) Editorial Boards: Dr. K. R. Kunkolienkar is on the editorial of. 1) Taus, 2) Sounved

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: N.A.
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : N.A.

23. Awards/ Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/ visitors to the department: ICPR Sponsored Guest Lecture by Dr. S.K. Chahal from Pune University

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National:: Year 2007, IISR + College funded and in 2010-11 One day State level

Seminar – College funded

c)International: – One of the member of the department organized two International Conferences outside the college

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Sem I/II(2009-10)	54	54	-	-	98.14
Sem I/II(2010-11)	47	47	-	-	97.87
Sem I/II(2011-12)	68	68	-	-	91.17
Sem I/II(2012-13)	82	82	-	-	96.34

\*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y.	80 %	20 %	Nil
S.Y.	85 %	15 %	Nil
T.Y.	82 %	18 %	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. – Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library - YES
- b) Internet facilities for Staff & Students - NIL
- c) Class rooms with ICT facility - NIL
- d) Laboratories – N.A.

31. Number of students receiving financial assistance from college, university, government or other agencies : Through Students Aid fund of the College.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts. At least 2 guest lectures are organized

33. Teaching methods adopted to improve student learning: Audio Visual Presentations, Local Field Trips, Field Work, Review of the Lectures by the Students every week, Student presentation.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Both the members work on various committees of the college contributing towards ISR and Extension Activities.

35. SWOC analysis of the department and Future plans:

S – Faculty members are highly qualified, and are visiting faculties at Goa University, Rachol Seminary and Other local educational Institutions. They are also involved in Post Doctoral Research.

W – Capacity and Knowledge remains unutilized due to lack of relevant courses and infrastructure.

O- Proper courses may be designed to tap the skill and the knowledge of the faculty members.

C- To make Philosophy courses more applicable through various courses at UG and PG Level.

## DEPARTMENT OF PSYCHOLOGY

1. Name of the department: Department of Psychology
2. Year of Establishment: 1986
3. Names of Programmes / Courses offered: UG course (3 Units, Psychology)
4. Names of Interdisciplinary courses and the departments/units involved: Psychology-Hindi- Marathi, Psychology-Konkani-History, Psychology-Economics-Philosophy.
5. Annual/ semester/choice based credit system (programme wise): Semester wise programme.
6. Participation of the department in the courses offered by other departments: NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons: NIL
9. Number of Teaching posts:

	Sanctioned	Filled
Professors	---NA--	---NA---
Associate Professors	---NA--	---NA---
Asst. Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mrs. Priya U. Sabnis	M.A, M.Phil	Assistant Professor	Clinical Psychology	16	--NIL--
Ms. Alvida de Souza	M.A, SET, Registered for Ph.d	Assistant Professor	Clinical Psychology	03	--NIL--
Mrs.	M.A, M.Phil	Assistant	Industrial	07	--NIL--

Reena D'Costa		Professor	Psychology		
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11. List of senior visiting faculty: NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 16%
13. Student -Teacher Ratio (programme wise): 1:60
14. Number of academic support staff (technical) and administrative staff, sanctioned and filled: 01
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG:  
03 out of 03 Teachers- Post Graduation  
02 out of 03 Teachers- M.Phil  
01 out of 03 Teachers- SET  
01 out of 03 Teachers- registered for Ph.D
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL
18. Research Centre /facility recognized by the University: NIL
  
19. Publications:
  - \* a) Publication per faculty
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students - 08
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NIL
  - \* Monographs: NIL
  - \* Chapter in Books: NIL
  - \* Books Edited: NIL
  - \* Books with ISBN/ISSN numbers with details of publishers- 01-  
Broadway book publishers: NIL
  - \* Citation Index: NIL
  - \* SNIP: NIL
  - \* SJR: NIL
  - \* Impact factor: NIL
  - \* h-index: NIL

- 20.** Areas of consultancy and income generated: NIL
- 21.** Faculty as members in  
a) National committees b) International Committees c) Editorial Boards: NIL
- 22.** Student projects  
a) Percentage of students who have done in-house projects including inter departmental/programme: NIL  
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: NIL
- 23.** Awards/ Recognitions received by faculty and students: NIL
- 24.** List of eminent academicians and scientists/ visitors to the department: NIL
- 25.** Seminars/ Conferences/Workshops organized & the source of funding  
a)National: NIL  
b)International: NIL  
c) State- Intercollegiate event organized by the department entitled: PSYCHOROCKS 2014 source of funding- students, parents and college management sponsored event.

**26.** Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
2013-2014	51	51	*08 *43	82.3%
2012-2013	50	50	*06 *44	78.3%
2011-2012	44	44	*05 *45	87.5%
2010-2011	35	35	*08 *27	65.78%
2009-2010	33	33	*04 *29	62.16%
2008-2009	46	46	*13 *33	42.91%

\*M=Male F=Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Psychology (3 Units)	100%	0%	0%

**28.** How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: NIL

**29. Student progression:**

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	<ul style="list-style-type: none"> <li>• NIL</li> <li>• 80%</li> </ul>
Entrepreneurship/Self-employment	20%

**30. Details of Infrastructural facilities:**

**a)** Library: The College has provided the departments and the students with spacious reading rooms and a wide array of books and journals to which the students are given a free access.

**b)** Internet facilities for Staff & Students: Internet facility is available to the staff members on the campus.

**c)** Class rooms with ICT facility: NIL

**d)** Laboratories: 01 Psychology Laboratory.

**31. Number of students receiving financial assistance from college, university, government or other agencies.**

The details of the various scholarships and financial aid available to the students are displayed on the notice board. The students take note of the same and avail of these facilities. The number varies from year to year.

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts**

The department organizes special lectures where experts are invited throughout the year. The students are thus subject to current and updated knowledge in the field of Psychology. Further the students are taken for an annual trip to IPHB to give them hands on experience of the latest developments and current trends in the field.

**33. Teaching methods adopted to improve student learning**

The teaching faculty of the department is aware of basics of computers. The department faculty use OHP facilities for effective communication. The faculty teachers also use LCD projectors to conduct quiz programs, interactive sessions, seminars, workshops, etc. which are conducted as part of co-curricular programs. The student community is appreciative of such activities. The department follows interactive sessions, group discussions, participatory problem solving techniques, students' presentations and exposure programs. Some of the staff are being trained in using computer skills to manage ICT in teaching/learning.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities: The students as well as teachers are enrolled into the field of NSS. It instills in the students a deep concern**

**35. SWOC (Strength, Opportunity, Weakness and Challenge) analysis of the department and Future plans:**

The Strengths of the department of Psychology include:

A well furnished psychological laboratory

An intradepartmental library facility for students

A Counseling room with facilities for students to avail psychological help.

The availability of basic psychological tests

The Opportunities the department offers to the students include:

A sound theoretical basic knowledge of Psychology

A practical application of the subject through the practical component of the subject

A hands on experience of the applications of Psychology through conductance of field trips

The Weaknesses of the department include:

Requirement of a more spacious psychological laboratory



Funds to purchase Psychological tests and equipment and books

The Challenges faced by the department include:

Providing leverage to the students to obtain good grades to make them viable in the job market

Training the students for competitive examinations

Providing academic counseling to each and every student in the college

## DEPARTMENT OF PHYSICS

1. Name of the Department: PHYSICS
2. Year of Establishment: 1986
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Programme	Course	University
B.Sc.	PHYSICS (6 Unit)	Goa
B.Sc.	PHYSICS (3unit)	Goa

4. Names of Interdisciplinary courses and the departments/units involved:  
Nil
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Post	Sanctioned	Filled
Principal/Professor	-	-
Associate Professors	03	03
Asst. Professors	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Girish V.S. Kundaikar	M.Sc., M.Phil.Ph.D.	Associate professor	Solid state Physics	27
Dr. Satish Keluskar	M.Sc., M.Phil. Ph.D.	Associate professor	Solid state Physics	26
Mrs. Mandkini Kundaiker	M.Sc., M.Phil.	Associate professor	Electronics	24
Mr. Pranav Naik (lect. Basis)	M.Sc	Asst. Professors	Solid state Physics	01

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise)

by temporary faculty: Lectures and Practicals: 19

13. Student -Teacher Ratio (programme wise) : 82:4

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled)

	Sanctioned	Filled
Laboratory Assistant	01	01
Laboratory	01	01
Laboratory Attendant	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:  
Ph.D. - 02, M.Phil.- 03, PG.- 04 (including one lect. basis teacher)

16. Number of faculty with ongoing projects from a) National: Nil b)  
International: Nil funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc.  
and total grants received. : Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty:

Number of papers published in peer reviewed journals  
(national /international) by faculty and students

Sr. No	Name of the Teacher	Title of the Paper/ poster	Date ,occasion and venue
1.	Dr. S.H.P. Keluskar	1. Effect of sintering temperature and environment on magnetic properties of nanoparticle Mn-Zn ferrite synthesized with Nitrilotriacetate precursor method	National conference on recent advances in material science (NCMS2002) sponsored by CSIR &DRDO Organised by dept. of applied Physics Nehru memorial college Tiruchirapalli- India Dec. 2002.
		2. Magnetic properties of nanoparticle Mn-Zn ferrite synthesized with Nitrilotriacetate precursor method	workshop "New Frontiers in Chemistry" organized by Dept. of Chemistry, Goa University, Feb 2003

	3. Temperature dependence of Magnetic properties of nanoparticle Mn-Zn ferrite prepared using Nitriлотriacetate precursor method	National seminar on chemical physics (NSCP2003) organized by Dept. Of Physics Annamalai University, Tamilnadu India March2003.
	4 Effect of sintering conditions on magnetic properties of nanoparticle Mn-Zn Ferrite synthesized with Nitriлотriacetate precursor method	ICMAT 2003 International conference in Singapore, Asia, Dec. 2003
	5 Effect of sintering conditions on electric properties of nanoparticle Mn-Zn Ferrite synthesized with Nitriлотriacetate precursor method	International conference in Asia organized by Material Research society- Taiwan held in Nov.2004.
	6. Sintering and microstructure development of Ultra fine particle Mn-Zn Ferrite prepared by Nitriлотriacetate Precursor method	49 <sup>th</sup> DAE Solid State Physics Symposium held in Amrutsar, India, Dec. 2004.
	7. Effect of Sintering conditions on resistivity of Nanoparticle Mn-Zn Ferrite prepared by Nitriлотriacetate precursor method	Thermophysical Society of India, Gauhati University, Assam & Dept. of Physics Goa University Goa.India, Jan. 2005.

	8. High permeability of low loss Mn-Zn ferrite obtained by sintering nanoparticle Mn-Zn ferrite	ICMAT 2005 International conference in Singapore, Asia, July 2005.
	9. Comparison of Physical and Magnetic Properties of Mn-Zn Ferrites prepared by Microwave Induced Decomposition and Ignition of Nitrilotriacetate based precursors	Department of chemistry Goa University and Indian Association of Solid State Chemists and allied Scientists (ISCAS) in Dec.2005.
	10. Effect of sintering temperature on Magnetic Properties of Nanoparticle Mn-Zn Ferrite prepared by Nitrilotriacetate Precursor method using Microwave Induced Decomposition	Department of chemistry Goa University and Indian Association of Solid State Chemists and allied Scientists (ISCAS) in Dec.2005.
	11. Effect of Microwave Induced Decomposition on Physical and Magnetic Properties of Nanoparticle Mn-Zn Ferrites prepared by Nitrilotriacetate precursor method	Indian Institute of Technology Kanpur held at IIT Kanpur in Dec.2005
	12. High performance Nanoparticle Mn-Zn Ferrite prepared by Nitrilotriacetate precursor method using Microwave Induced Decomposition	50 <sup>th</sup> DAE Solid State Physics Symposium BARC Mumbai in Dec.2005.
	13. Preparation and Characterization of Nanoparticle Mn-Zn spinel ferrite using Microwave induced decomposition	poster presentation in APCOT-2006, International conference in Asia

			Singapore to be held in June 2006.
		14. High performance ultra loss nanoparticle Mn-Zn ferrite material prepared by nitrilotriacetate precursor with induced microwave combustion	Indo-Australian symposium on nanomaterials and nanotechnology IISc, Bangalore from 31-1 April 2006.
		15. Preparation and Characterization of nanoparticle mn-zn spinel ferrite using Microwave induced decomposition	Nano-2006, Eighth International conference IISc. Bangalore
		16. Dielectric properties of mn-zn ferrites prepared by microwave assisted autocombustion synthesis	51 <sup>ST</sup> DAE solid State Physics Symposium to be held during Dec. 26-30, 2006.
		17. MAGNETIC PROPERTIES OF NANOPARTICLE $Mn_{0.67}Zn_{0.33}Fe_2O_4$ SPINEL FERRITE PREPARED BY MICROWAVE INDUCED COMBUSTION	ANM-2007 , International conference on Advanced Nanomaterials, Jan.2007 in IIT Mumbai.
		18.HIGH DENSITY NANOPARTICLE Mn-Zn FERRITE SYNTHESIS, CHARACTERIZATION AND MAGNETIC PROPERTIES	ICAM-2008 , International conference on Advanced Materials M.G. University , Kerala held in Feb.2008.

		19. "Permeability $Mn_x Zn_{1-x} Fe_2 O_4$ Ferrite synthesized using microwave assisted auto combustion	International conference on magnetic materials and their applications for 21 <sup>st</sup> Century (MMA21) held at National Physical Laboratory, New Delhi from 21 <sup>st</sup> October, 2008 to 23 <sup>rd</sup> October, 2008 Indian Journal of applied physics
		20. Preparation and characterization of nanoparticle MnZn Spinel ferrite using thermal and microwave induced decomposition	2 <sup>nd</sup> International conference Frontiers in nanoscience and technology Department of Physics, Cochin University of Science and Technology, Cochin, 2009
2	Dr. G.V.S.Kundaikar	Novel method of synthesis of ultrafine high performance magnetic material Mn-Zn mixed metal ferrites.	International conference on magnetic materials and their applications for 21 <sup>st</sup> Century (MMA21) held at National Physical Laboratory, New Delhi from 21 <sup>st</sup> October, 2008 to 23 <sup>rd</sup> October, 2008 and published in Indian Journal of applied physics



20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees : Nil

b) International committees : Nil

c) Editorial Boards: Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : 100%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students:

Principal award to the student: Ms. Pallavi Gaude (Acad. year 2012-13)

24. List of eminent academicians and scientists / visitors to the department:  
Nil

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) State: Nil b) National: Nil c) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*F	*M	
Nil	----	-----	----	---	--- -	----

27. Diversity of Students : Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: 04

1. 2. Mr. Udesb Natekar (NET ) 2. Mr. Madhusudan Sawaiker (GATE)
3. Dr Vithal Tilve (GATE) 4. Dr. Firoz Kader (MS)

29. Student progression

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	20%
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	-
Employed	100%
Campus selection	20%
Other than campus recruitment	70%
Entrepreneurship/Self-employment	10%

30. Details of Infrastructural facilities

- a) Library :- Spacious library
- b) Internet facilities for Staff: Internet facilities are available for the staff.
- c) Class room with ICT: Nil
- d) Laboratories: Well furnished Spacious laboratories and Dark Room for optics and laser experiments.

31. Number of students receiving financial assistance from college, university, government or other agencies: Nil

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning

- 1) Classroom tests 2) Assignments
- 3) Group discussion 4) Problem solving 5) Visits to the institutions

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Dr. Satish Keluskar visits educational Institution to conduct the interviews, resource person and takes initiative in setting new science laboratories in rural areas. Mrs. Mandakini Kundaiker works in social institution like

“Matruchaya” for helping the children.

35. SWOC analysis of the department and Future plans

Strength:

- 1) Well qualified research oriented faculty
- 2) Spacious and well equipped laboratory
- 3) Adequate students strength

Opportunity

- 1) To start a skill based certificate courses in order to enhance the job opportunities for the students
- 2) To organise national and international seminars/conferences/workshops in the areas of pure science and material science.

Challenges

- 1) To train and enhance the academic competence of students .
- 2) To make student independent so that they can face challenges in their life
- 3) To motivate the faculty to publish more research papers

Future Plans

- 1) To make laboratory well equipped
- 2) To have collaboration with industries in order to get placement for the students.

## DEPARTMENT OF MATHEMATICS

1. Name of the department: MATHEMATICS
2. Year of Establishment: 1986
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): PCM AND ICCM
4. Names of Interdisciplinary courses and the departments/units involved: NA
5. Annual/ semester/choice based credit system (programme wise): SEMESTER
6. Participation of the department in the courses offered by other departments: NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons : NA
9. Number of Teaching posts

	Sanctioned	Filled
Professors	NIL	
Associate Professors	NIL	
Asst. Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
DR.KULKARNI MILIND N	M.Sc.Ph.D	Associate Professor	ANALYSIS	26	NIL
MS. GOVEKAR.S WETA S.	M.Sc	Assistant Professor	Algebra	02	NIL

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 50%

13. Student -Teacher Ratio (programme wise):1:20

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.: Nil

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: --

19. Publications:

- \* a) Publication per faculty
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students
- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Monographs
- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers
- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- a) National committees b) International Committees c) Editorial Boards....

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: As per rules of Goa University.
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students

24. List of eminent academicians and scientists/ visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

- a)National : Nil
- b)International: Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.SC.I AND II	60	60	15	45	80%
B.S.c.III AND IV	45	45	10	35	85%
B.Sc. V AND VI	10	10	02	08	95%

\*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: 06

29. Student progression

Student progression	Against % enrolled
UG to PG	90
PG to M.Phil.	10
PG to Ph.D.	10
Ph.D. to Post-Doctoral	NIL
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library :about 2500 titles
- b) Internet facilities for Staff & Students:Yes
- c) Class rooms with ICT facility:Yes
- d) Laboratories:Yes

31. Number of students receiving financial assistance from college, university, government or other agencies: Nil

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Yes

33. Teaching methods adopted to improve student learning: Use of LCD and OHP

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans:

## DEPARTMENT OF CHEMISTRY

1. Name of the Department: CHEMISTRY
2. Year of Establishment: 1986
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Programme	Course	University
B.Sc.	Chemistry (6 Unit)	Goa
B.Sc.	Chemistry –Industrial Chemistry (3unit)	Goa

4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Semester
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts:

Post	Sanctioned	Filled
Principal/Professor	01	01
Associate Professors	06	06
Asst. Professors	04	03



10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.A.S.Dinge	M.Sc. PhD	Principal	Organic	37
Dr.R.G.Shetkar	M.Sc.B.Ed. PhD	Associate Professor	Inorganic	27
Dr.S.D.Gokakakar	M.Sc. PhD	Associate Professor	Inorganic	27
Dr.B.L.Malik	M.Sc. PhD	Associate Professor	Organic	26
Dr. V.J.Pissurlekar	M.Sc. PhD	Associate Professor	Physical	23
Dr.A.S.Tilve	M.Sc. PhD	Associate Professor	Organic	21
Ms A.B.Kanolkar	M.Sc. B.Ed. M.Phil.	Assistant Professor	Organic	21
Shri V.S. Dangi	M.Sc.	Assistant Professor	Inorganic	20
Ms. B.D.Baretto	M.Sc. B.Ed M.Phil.	Assistant Professor	Physical	18
Dr.H.P.Uskaikar	M.Sc.B.Ed. PhD	Associate Professor	Physical	17
Dr.P.S.Patil	M.Sc. PhD	Assistant Professor	Inorganic	08
Ms.A.P. Naik	M.Sc.B.Ed.	Assistant Professor	Physical	11 month
Ms.S.D.Kengalgut	M.Sc.	Assistant Professor	Organic	11 month

11. List of senior visiting faculty:

1. Prof. S.K.Pakanikar - Goa University
2. Prof. J.S.Budkuley- Goa University
3. Prof. S.P.Kamat Goa University
4. Prof.R.V.Kenny Goa College of Pharmacy Panaji
5. Shri P.G.Dandin GVM's College of Commerce & Economics Ponda

12. Percentage of lectures delivered and practical classes handled(programme wise)

by temporary faculty:

Lectures 7.8%

Practicals:-26.21%

13. Student -Teacher Ratio (programme wise) : 26.7:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled)

	Sanctioned	Filled
Laboratory Assistant	02	02
Store Keeper	01	01
Laboratory Attendant	04	04

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Ph.D. - 08, M.Phil.- 02, PG.- 03.

16. Number of faculty with ongoing projects from a) National: 01 b) International: Nil funding agencies and grants received: UGC Rs.170000/-

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received.

Type of Project	Name of Principal Investigator	Duration	Name of the Project	Funding Agency	Total Funding received Rs
Minor	Dr.V.J.Pissurlekar	2007-2009	Synthesis & Characterisation of Nanoparticle Mn-Zn mixed ferrite	UGC	69000/-

Minor	Dr.V.J.Pissurlekar	2012-14	Preparation, Characterisation and Magnetization Studies of Some Soft Ultrafine Mixed Metal Ferrites	UGC	170000/-
Minor	Ms A.B.Kanolkar Dr A.S.Tilve	2008-10	Systematic Investigation of Basela alba	DST Goa	110000/-
Minor	Ms.A.B.Kanolkar Dr. A.S.Tilve	2009-11	Systematic Investigation of Portuleca oleracea	UGC	118000/-
Minor	Dr.H.P.Uskaikar	2009-11	Synthesis and characterization of polymer nanocomposites	UGC	200000/-
Minor	Dr.H.P.Uskaikar	1999-2001	Spectrophotometer study of complexes by Jobs method	UGC	50000/-
Minor	Dr.Anita Tilve	2001	Systematic chemical investigation of Grewia microcos	UGC	40000

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty: 16

Number of papers published in peer reviewed journals (national / international) by faculty and students

Dr.V.J.Pissurlekar

V. J. Pissurlekar and J. S. Budkuley, "High porosity Mn-Zn ferrites obtained by using mechano-chemical and wet chemical method", *Asian Journal of Chemistry*, Vol. 23, No. 4 (2011), 1677-1679.

Dr.R.G.Shetkar

R. G. Shetkar and A. V. Salker: Solid state and catalytic CO oxidation studies on Zn<sub>1-x</sub>Ni<sub>x</sub>MnO<sub>3</sub> system Matter, Chem & Phys. 108 (2008) 435-439.

Dr. S. D. Gokakakar

A.V. Salker and S. D. Gokakakar, "Solar assisted photocatalytic degradation of Amido Black 10B over Cobalt, Nickel and Zinc metalloporphyrins" International Journal of Physical sciences, 4(2009)337-384.

S.D.Gokakakar and A. V. Salker, "Solar assisted photocatalytic degradation of Methyl Orange over synthesized Copper, Silver and Tin metalloporphyrins" Indian journal of chemical Technology, 16(2009) 492-498.

S.D.Gokakakar and A. V. Salker, J Therm Anal Calorim 101(2010)809-813.  
S.D.Gokakakar and A. V. Salker, Synthesis, purification and Thermal behaviour of sulfonated metalloporphyrins. J. Therm. Anal. Calorim. (2011)

S.D.Gokakakar and A. V. Salker, Thermal studies of metalloporphyrins with metals in different oxidation states. J. Therm. Anal. Calorim. (2012)

Dr. A. S. Tilve

Efficient synthesis of 6-prenylcoumarins and linear pyranocoumarins: Total synthesis of Suberosin, Toddacullin, O-methylapigrabin (O-methylbrosiparin), O Methylbalsemiferone, Dihydroxanthyletin, xanthyletin and Luvangetin. Mali, R.S., Joshi, P.P, Sandhu, P. Manekar-Tilve, A.  
J.Chem.Soc.Perkin Trans.1 2002,3,371-376, Impact factor 2.18

Analysis of anticancer drugs and their Metabolites by mass spectrometry Ian A. Blair and Anita Tilve.  
Current drug metabolism 2002,3,463-480 Impact factor 5.113

Paper entitled "Phenotyping CYP3A4 and CYP3A5 in pediatric population by liquid chromatography /Tandem mass spectrometry" was presented at ASMS meeting 2002 at Orlando, Florida, USA.

Dr. H. P. Uskaikar

- Published a paper entitled "*Low temperature synthesis of metal oxides by Novel hydrazine method.*" K. S. Rane, H. P. Uskaikar, R. Mhalsikar, R. Pednekar, In J. of Thermal analysis and calorimetry vol. 90 (2007) 3, 627-638. (Impact factor 1.982).
- Electrochemically prepared Manganese oxide as a cathode material for a microbial fuel cell. R. Kartikeyan, H.P.Uskaikar & Sheela Berchmans, Analytical Letters, 45:12, 2012, 1645-1657. (Impact factor 0.966)

Dr.P. S. Borker

.“Synthesis characterization and Photocatalytic studies of some metal phthalocyanine” Indian Journal of Chemical Technology, Vol-13, July 2006 (341-346).

.“Photocatalytic studies over  $Ce_{1-x}Fe_xO_2$  for the degradation of azo dye” Indian Journal of Chemistry, Vol- 45-A, October 2006 ( 2199-2202).

.“Photocatalytic degradation of textile azo dye over  $Ce_{1-x}Sn_xO_2$  series”, Material Science of engineering B-133 (2006) (55-60).

.“Solar assisted Photocatalytic degradation of Naphthol blue black dye using  $Ce_{1-x}Mn_xO_2$ ” Material Chemistry and Physics, Vol-103 (2007) (366-370)

- \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Monographs
- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers
  - i) Rajhauns Chemistry Practicals - S.Y.B.Sc.(SEM IV) Dr.B.L.Malik, Dr.S.D.Gokakakar ,Ms B.D.Baretto Year -2009 Publication No.: 945 ISBN 978-81-7810-542-0
  - ii) Rajhauns Chemistry Practicals - T.Y.B.Sc.(SEM. V ) Dr.B.L.Malik, Dr.S.D.Gokakakar ,Ms B.D.Baretto Year – 2011

Publication No. : 1042  
ISBN 978-81-7810-641-0

iii) Rajhauns Chemistry Practicals -  
T.Y.B.Sc.(SEM. VI)  
Dr.B.L.Malik,Dr.S.D.Gokakakar ,Ms  
B.D.Baretto  
Year – 2011 Publication No. : 1068  
ISBN 978-81-7810-668-7

- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

20. Areas of consultancy and income generated: Nil

21. Faculty as members in  
a) National committees

Dr.V.J.Pissurlekar

1) Member Board of Studies in Environmental Sciences of Goa University, for 2011-2014.

2) Member Board of Studies in Chemistry, for HSSC of Goa HSSC Board, 2013-2017.

3) Member Ad hoc Board of Studies in Para Medical Courses of Goa University for 2013-2014.

4) Member Ad hoc Board of Studies in B.Sc. International Hospitality Management Programme of Goa University for 2013-2014.

5) Member Board of Studies in Chemistry of Goa University, 2006-2009

6) Member subcommittee of BOS in Industrial Chemistry, 2006-2009

7) Member Subcommittee of BOS in Chemistry, 2003-2006

Dr. R.G. Shetkar-

Member of Board of studies in chemistry, 2009-2011

Dr. B. L. Malik.

Member of Goa State Biodiversity Board (GSBB) 2012-15

Dr. A.S.Tilve

1. Member of State Mission Authority, Government of Goa 2009-2012

2. Member of 'Facts finding committee' by Satya Shodhan Trust, Bhopal for Assam Riots in 2012 (President of committee was retired chief justice of Assam – Justice Tyagi)

Dr.Harsha P.Uskaikar-

*Life Member of:*

1. Indian Society for Electroanalytical Chemistry (ISEAC).
2. Indian Association of Solid State Chemistry & Allied Scientists (ISCAS).
3. Association of Chemistry Teachers-Goa, ACT- Goa.

Member of Board of studies in chemistry, 2012-2014

22. Student projects

- c) Percentage of students who have done in-house projects including inter departmental/programme : 100%
- d) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students:

Dr.V.J.Pissurlekar: *Third Prize for the Best paper presentation "Synthesis and magnetic*

*properties of ultrafine Mn - Zn ferrite materials obtained by photocatalytic decomposition of precursor"*, at National Seminar on Advanced Materials-2010, Department of Physics, Shivaji University , Kolhapur, 19 - 20 March 2010.

Dr. R.G.Shetkar: First prize for Best Paper presentation award at the International symposium on material chemistry at BARC Mumbai 4-8 Dec 2006 for the paper Preparation, characterization and catalytic CO oxidation studies over Sr,Nd & Sm Manganites.

Dr. H.P.Uskaikar:Research award for the chemistry college teacher based on the paper published by analytical letters. Vol.45,Issue 12,pg.1645-1657 awarded by chemistry department faculty and Alumni Association Dept, of chemistry, Goa University Goa.

24.List of eminent academicians and scientists / visitors to the department:

1. Dr. Sourav Pal Director National Chemical Laboratory Pune.
2. Dr. S.J. Diwakar Director Syngenta R & T Centre India.
10. Prof. A.Q. Contractor IIT Mumbai
11. Prof. A.K.Shrivastava Mumbai University
12. Prof S.H. Mashruqui Mumbai University
13. Prof. R.S. Mali Former Vice Chancellor North Maharashtra University
14. Prof.J.B.Fernandes Goa University
15. Prof. S.G.Tilve Goa University
16. Prof. B.R.Srinivassan Goa University
17. Dr.V.S.Nadkarni Goa University
18. Dr.R.N.Shirsat Goa University
- 11 Dr. V.M.S.Verenkar Goa University
- 12 Dr.Mansing Shingate Sanofi Aventis Goa
- 13 Dr.Jayant Umarye Syngenta Biosciences R & T Centre Goa
- 14 Dr. Bidhan Shinkre Syngenta Biosciences R & T Centre Goa

25. Seminars/ Conferences/Workshops organized & the source of funding:

- a) State: 04 b) National: 01 UGC c) International: Nil
1. Workshop on Model Question paper setting and evaluation methodology for B.Sc Chemistry Courses, on 3<sup>rd</sup> April 2007 Own Funding.
2. 6<sup>th</sup>Annual Convention of Chemistry teachers on 9<sup>th</sup> February 2008 (own funding).
3. One day state level seminar on Emerging trends in Chemistry on 17<sup>th</sup>January2009 own funding .
- 4 .One day seminar to celebrate 78<sup>th</sup> Birth day of Prof.



S.K.Pakanikar on 29<sup>th</sup> June 2013 Own funding.

5. Two day National Conference on Chemical Sensors: An Update on 7& 8 January 2010 sponsored by UGC

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*F	*M	
F.Y.B.Sc	2011-2012	99	99	71	28	89.89%
	2012-2013	151	151	108	43	90.06%
S.Y.B.Sc	2011-2012	112	112	79	33	97.32%
	2012-2013	99	99	71	28	89.89%
T.Y.B.Sc	2011-2012	88	88	57	31	6 unit:89.2%
						3 unit:100%
	2012-2013	76	76	52	24	6 unit:92.1%
						3 unit:100%

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y.B.Sc	100%	NIL	NIL

S.Y.B.Sc	100%	NIL	NIL
T.Y.B.Sc	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: 04

1. Mr. Prakash Parvatkar (NET JRF)
2. Mr. Vipul Betkiker (NET JRF)
3. Mr. Sagar Patil (NET JRF)
4. Mr. Ajay Gaude (NET LECTURERSHIP)

29. Student progression

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	
PG to Ph.D.	04%
Ph.D. to Post-Doctoral	
Employed	100%
Campus selection	20%
Other than campus recruitment	75%
Entrepreneurship/Self-employment	05%

30. Details of Infrastructural facilities

a) Library:- books:1507, Journals: 09

b) Internet facilities for Staff:

Internet facilities are available for the staff.

- c) Class room with ICT  
LCD, OHP are available
- d) Laboratories:  
03 spacious laboratories  
01 research laboratory  
01 Instrumentation room  
01 Store Room  
Spacious Staff room

31. Number of students receiving financial assistance from college, university, government or other agencies: Large number of students receive Government merit scholarships and also from student aid fund

32. Details on student enrichment programmes (special lectures / workshops /

seminar) with external experts:

- a) Basic quantum chemistry by Dr. Saurav Pal Head Chemistry Division NCL Pune.
- b) Innovation in Speciality Chemicals by Dr. K. P. Fondekar Ciba Speciality. Goa
- c) Nanomaterials Based Electrochemical (bio) Sensors by Prof. A.K. Shrivastav Mumbai
- d) Conducting Polymers Sensors and Actuators by Prof. A.Q. Contractor IIT Mumbai
- e) Electrochemistry and Photochemistry of Reactive Oxygen Species Generation, Control and Detection. By Vijaykumar Ijeri Italy

33. Teaching methods adopted to improve student learning

- 1) Class room seminars, 2) Use of OHP powerpoint, 3) Assignments
- 4) Group discussion 5) Problem solving.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Faculty of the department visits nearby Villages, Schools, Higher Secondaries to create awareness about environment, pollution, health, water harvesting, popularizing basic science and related issues. Dr A.S. Tilve is working as an advisor for seva sankalp an NGO- working for girl child and women

empowerment and organized a cultural programme in city of Leister in England in Aug 2013 in association with Bharat welfare Trust to raise funds for the NGO. She also Conducted two Awareness Generation programme (AGP) in 2010 For B,Ed students and For women in Ponda At present working in collaboration with 'Mission Health Education Goa' on the issues of health and moral values in children in State of Goa. Regular participation in discussion and delivers lectures on All India Radio on various social, health, education and other issues concerning particularly of women as well various issues relating to the children.

### 35. SWOC analysis of the department and Future plans

#### Strength

- 4) Well qualified research oriented faculty
- 5) Spacious and well equipped laboratories
- 6) Good students strength
- 7) Large number of industrial estate around the college

#### Weakness

- 1) Poor consultancy services.

#### Opportunity

- 1) To start a skill based certificate courses in order to enhance the job opportunities for the students
- 2) To try and get more major and minor research projects from different funding agencies.
- 3) To organise more national and international seminars/conferences in the areas of research of faculty.

#### Challenges

- 1) To train and enhance the academic competence of students to do well at all levels of competition.

- 2) Efforts to be made to provide the consultancy service.
- 3) To motivate the faculty to publish more research papers

#### Future Plans

- 3) To Start a Post Graduate programme in Chemistry
- 4) To establish a Research Centre
- 5) To get recognition for the faculty as PhD guide
- 6) To have collaboration with industries in order to get good placement for the students.

## DEPARTMENT OF BOTANY

1. Name of the department: Botany
2. Year of Establishment :1992
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG, M. Phil, Ph.D
4. Names of Interdisciplinary courses and the departments/units involved : Nil
5. Annual/ semester/choice based credit system (programme wise) : Semester
6. Participation of the department in the courses offered by other departments : Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
8. Details of courses/programmes discontinued (if any) with reasons
9. Number of Teaching posts

	sanctioned	Filled
Professors	Nil	Nil
Associate Professors	02	02
Asst. Professors	04	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. (Mrs.) Sima V. Kamat	M.Sc., Ph. D.	Associate Professor	Ecology/Physiology, Med. Plants	28	
Dr. P. Bhattacharya (HOD)	M.Sc., Ph. D.	Associate Professor (HOD)	Phycology		
Mrs. Ranjita U. Sawaiker	M.Sc., M.Phil.	Assistant Professor			
Mrs. Bhagyashri L. Halarnkar	M.Sc., M.Phil.	Assistant Professor			

Ms. Lynette Fernandes	M.Sc., M.Phil.	Assistant Professor			
Dr. (Mrs.) Rupali Bhandari	M.Sc., Ph. D.	Assistant Professor	Plant Physiolog &Bio- chemistry		

11. List of senior visiting faculty : Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : Nil
13. Student -Teacher Ratio (programme wise)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : 04
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.  
Ph.D. : 03  
M.Phil. : 03
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : UGC
18. Research Centre /facility recognized by the University : Nil
19. Publications: Information is given in table below
  - \* a) Publication per faculty
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs
  - \* Chapter in Books
  - \* Books Edited
  - \* Books with ISBN/ISSN numbers with details of publishers
  - \* Citation Index
  - \* SNIP
  - \* SJR
  - \* Impact factor
  - \* h-index

Publications	Dr. S. V. Kamat	Dr. P. Bhattacharya	Mrs. R.U. Sawaike r	Mrs. B.L. Halarnka r	Mrs. L. Fernandes	Dr. R. Bhandari
I	07	14	-	-	-	09
II	-	-	-	-	-	4/5
III	02	04	-	-	-	07
IV	-	-	-	-	-	-
V	01	02	-	-	-	-
VI	-	-	-	-	-	-
VII	-	-	-	-	-	-
VIII	-	-	-	-	-	-
IX	-	-	-	-	--	-
X	-	-	-	-	-	-
XI	-	-	-	-	-	5.5
XII	-	-	-	-	-	-

I. Publication per faculty

II. Number of papers published in peer reviewed journals (National /international) by faculty and students.

III. Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)

IV. Monographs

V. Chapter in Books

VI. Books Edited

VII. Books with ISBN/ISSN numbers with details of publishers

VIII. Citation Index

IX. SNIP

X. SJR

XI. Impact factor

XII. h-index



- 20.** Areas of consultancy and income generated : Nil
- 21.** Faculty as members in  
 a) National committees b) International Committees c) Editorial Boards.... :
- Nil
- 22.** Student projects  
 a) Percentage of students who have done in-house projects including inter departmental/programme : 01  
 b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil
- 23.** Awards/ Recognitions received by faculty and students :01
- 24.** List of eminent academicians and scientists/ visitors to the department  
 Dr. D. J. Bhatt Prof. Bot. G.U  
 Dr. S. K. Dubey Prof. Bot. G.U  
 Dr. M. K.Janardanam Prof. Bot. G.U  
 Dr. P. K. Sharma G.U.
- 25.** Seminars/ Conferences/Workshops organized & the source of funding  
 Dept. of Bot. , Govt. of Goa.  
 a)National  
 b)International
- 26.** Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. Botany 2013-14	07	07	-	07	100 %
B.Sc. Botany2012-13	03	03	02	01	100 %
B.Sc. Botany2011-12	02	02	-	02	100 %
B.Sc. Botany2010-11	07	07	-	07	100 %
B.Sc. Botany2009-10	01	01	-	01	100 %
B.Sc. Botany2008-09	03	03	-	03	100 %

\*M=Male F=Female

**27.** Diversity of Students

Name of the Course	% of students from the	% of students from other States	% of students from

	same state		abroad
B.Sc. Botany	99%	1%	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

29. Student progression

Student progression	Against % enrolled
UG to PG	90%
PG to M.Phil.	50%
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	01%
Employed	
• Campus selection	40%
• Other than campus recruitment	60%
Entrepreneurship/Self-employment	40%

30. Details of Infrastructural facilities

- a) Library : Yes
- b) Internet facilities for Staff & Students : Yes
- c) Class rooms with ICT facility : Yes ( Botany Lab.)
- d) Laboratories : Yes

30. Number of students receiving financial assistance from college, university, government or other agencies

31. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Yes

32. Teaching methods adopted to improve student learning : PPT, OHP, Live Specimens, Models, Satellite Images

33. Participation in Institutional Social Responsibility (ISR) and Extension activities

34. SWOC analysis of the department and Future plans: Yes

## DEPARTMENT OF MICROBIOLOGY

1. Name of the department: Department of Microbiology
2. Year of Establishment: 1989
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG
4. Names of Interdisciplinary courses and the departments/units involved: Zoology and Chemistry.
5. Annual/ semester/choice based credit system (programme wise) : Semester system.
6. Participation of the department in the courses offered by other departments: Faculty of the department are visiting lecturers for Industrial Chemistry Course taken up by the Department of Chemistry.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: None.
8. Details of courses/programmes discontinued (if any) with reasons : B.Sc in Biotechnology discontinued due to lack of infrastructure.
9. Number of Teaching posts:

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	02	02
Asst. Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Carolina Fernandes	M.Sc, Ph.D	Associate Professor & Head	Halophilic archaea and hypersaline habitats.	23years	None

Dr. Sunita Borkar	M.Sc, Ph.D	Associate Professor	Extremophiles and Alkaliphiles	25 years	None
Dr. Flory Pereira	M.Sc B.Ed Ph.D	Assistant Professor	Halophiles and metal tolerance and solid waste management	14 years	None
Dr. Rasika Gaokar	M.Sc, Ph.D	Assistant Professor	Alkaliphiles	8 years	None

11. List of senior visiting faculty: None
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 27 per cent
13. Student -Teacher Ratio (programme wise): 20:1 (differs according to the intake of students).
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sr. No.	Name	Date of initial appointment	Qualification	Designation	Status
1.	Mr. Mahesh S. Nadkarni	22 <sup>nd</sup> Jan., 1990	B. Sc.	Lab. Assistant	Confirmed
2.	Mr. Dattaram K. Gaude	20 <sup>th</sup> Aug., 1990	X <sup>th</sup>	Lab. Attendant	Confirmed
3.	Mr. Vinayak V. Gaude	18 <sup>th</sup> Nov., 1992	IX <sup>th</sup>	Lab. Attendant	Confirmed

**15.** Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG: All the four staff members are M.Sc, Ph.D and three are regular and one is on Full time (Contract basis)

**16.** Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

**17.** Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

Projects completed before accreditation ( 01 )

Sr. No.	Title of the project	Name of the investigator/ co-ordinator	Date of sanction	Date of completion	Amount sanctioned	Sanctioning body
1.	Biodiversity of Alkaliphiles in natural and man made alkaline environment of Goa. (Minor)	Dr. Sunita Borkar	March, 1999	March, 2001	Rs. 40,000/-	UGC

Projects completed after accreditation

Sr. No.	Title of the project	Name of the investigator / co-ordinator	Date of sanction	Date of completion	Amount sanctioned	Sanctioning body
1.	Development of appropriate Technology for production of wines from	Ms. Carolina F.E. Fernandes	Nov. 2000	Nov. 2002	Rs. 32,000/-	UGC

	locally grown tropical fruits. (Minor)					
2.	Siderophore Producing alkaliphiles and halophiles from marine & Coastal ecosystems. (Minor )	Dr. Sunita Borkar	Oct. 2008	Oct. 2010	Rs. 1,00,000/-	UGC
3.	Studies on phosphate solubilizing halophiles and alkaliphiles from marine and coastal ecosystems as potential biofertilizers for saline soils. (Major)	Dr. Sunita Borkar & Dr. Carolina F. E. Fernandes	Oct. 2009	Oct.2012	Rs. 11,87,060/-	Ministry of Earth Sciences, (New Delhi)
4.	Exopolysaccharides from hypersaline habitats(Minor )	Dr. Carolina F. E. Fernandes	Sept. 2009	Sept. 2011	Rs. 2,00,000/-	UGC

18. Research Centre /facility recognized by the University: No

19. Publications:

\* a) Publication per faculty

Dr. Sunita R. Borkar

- 1) Alkaliphilic & alkalitolerant organisms from an Agrochemical factory (2003), *Asian journal of Microbiology, Biotechnology & Environmental science*, Vol v , 20 (2)
- 2) Alkaliphiles – Microbes in alkaline environments, (2003), in *Advances in Microbiology by Dr. P. C. Trivedi*

Dr. Carolina F. E. Fernandes

- 1) ‘Traditional salt production in Goa-India enriches diverse microbial resources’ (2009), in *Proceedings of the 9<sup>th</sup> International Salt Symposia in Beijing, China on 4-7<sup>th</sup> Sept 2009*

Dr. Flory Pereira

- 1) “Solid waste management using indigenous microorganisms” (2012), in *Proceedings of the International conference on Ecotoxicology and Environmental Sciences (2012) Vol. 1:167-173*
- 2) “Insights on metal-microbe interactions in *Bacillus* sp. And *Chromohalobacter* sp. from a solar saltern (2012), *Journal of Ecobiotechnology 2012*, 4(1):14-24
- 3) “Bacterial response to dynamic metal concentrations in surface sediments of a solar saltern (Goa, India) (2012), *Environmental Monitoring and Assessment Systems. 2012*, DOI:10.1007/s10661-012-2814-7.

Dr. Rasika Gaonkar

- 1) Alkaliphiles in estuarine mangrove regions of Goa,(Cental West Coast of India). (2004), *Indian Journal of Marine Sciences*,Vol 33(2),June 2004,pp.177-180.
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students :07
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs
  - \* Chapter in Books: One
  - \* Books Edited : One in progress
  - \* Books with ISBN/ISSN numbers with details of publishers
  - \* Citation Index
  - \* SNIP
  - \* SJR

\* Impact factor

\* h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards:  
None

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 95%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: 20%

23. Awards/ Recognitions received by faculty and students

Dr. Sunita R. Borkar was given FIP of one (2001-02) of Goa Government to complete Ph.D

Dr. Corlina F. E. Fernandes was given FIP of two years (2004-06) of UGC to complete Ph.D.

24. List of eminent academicians and scientists/ visitors to the department:

Sr.No	Activity	Date	Beneficiaries	Outcome
1	Talk by 'Mr. Miguel Braganza, Botanical Society-Mapuca, Goa. On "Plant diseases "	11 <sup>th</sup> Aug, 2004	Microbiology students and teachers	Awareness & part of curriculum
2	Talk by 'Mr. Miguel Braganza, Botanical Society-Mapuca, Goa. On "Plant diseases "	27 <sup>th</sup> Aug. 2005	Microbiology students and teachers	Awareness & part of curriculum
3	Talk,by Dr Savio Rodrigues.Prof and Head of Microbiology Dept Goa medical College	4 <sup>th</sup> Sept 2007	Microbiology students and teachers	Awareness



4	Talk by Dr. Savita Kerkar, Reader Goa University	5 <sup>th</sup> Dec 2008	Microbiology students and teachers	Awareness
5	Talk & demonstration on prevention of food adulteration by Shri Chandrakant Kambli & Pundalik Gawde from FDA	4 <sup>th</sup> Feb.,2010	Microbiology students and teachers	Awareness

**25. Seminars/ Conferences/Workshops organized & the source of funding**

a)National - Nil

b)International- Nil.

1)State level Workshop on ‘F.Y.B.Sc. Microbiology syllabus’ organized by the Department of Microbiology (2002)

2)State level Workshop on ‘Depths of T.Y.B.Sc. restructured syllabus’ Organized by the Department of Microbiology (2009)

3)State level Seminar on ‘Basic Sciences: Importance & Future’ organized by the departments of life sciences, Rs. 20000/- sanctioned by UGC.

**26. Student profile programme/course wise:**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage

\*M=Male F=Female

**26. Diversity of Students:**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc (Microbiology)	98%	02%	Nil

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : None

28. Student progression

Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil.	20%
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	----
Employed	Nil
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	Nil

29. Details of Infrastructural facilities

a) Library: The main library of the college has a collection of more than 450 books in Microbiology, Biochemistry, Genetics, Medical Microbiology, Immunology, Ecology, and Industrial Microbiology. Encyclopedias such as Bergey's Manual of Systematic Bacteriology volume I to IV are an essential tool in the identification of microorganisms.

Besides, the Department has a well established Department library comprising of fifty three books by different authors. In addition, the Department has a repository of eighty dissertation reports available to the students for reference. The Department also has a collection of biovisual charts and posters of scientists in Microbiology, which aid in the learning process.

b) Internet facilities for Staff & Students :-

c) Class rooms with ICT facility: -

d) Laboratories-There are two well equipped laboratories with one preparation cum store room. The department is well equipped with instruments like Laminar air flow, microscopes, autoclaves, incubators, hot air oven, colorimeter / spectrophotometer, pH meter, centrifuge, microfuge, water baths, electrophoresis units, deep freezer and refrigerator, purchased from college resources as well as funded by major and minor research projects. Department has one computer with a printer.

**30.** Number of students receiving financial assistance from college, university, government or other agencies: 45%

**31.** Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Sr.No	Activity	Date	Beneficiaries	Outcome
1	Talk by 'Mr. Miguel Braganza, Botanical Society-Mapuca, Goa. On "Plant diseases "'	11 <sup>th</sup> Aug, 2004	Microbiology students and teachers	Awareness & part of curriculum
2	Talk by 'Mr. Miguel Braganza, Botanical Society-Mapuca, Goa. On "Plant diseases "'	27 <sup>th</sup> Aug. 2005	Microbiology students and teachers	Awareness & part of curriculum
3	Talk,by Dr Savio Rodrigues.Prof and Head of Microbiology Dept	4 <sup>th</sup> Sept 2007	Microbiology students and teachers	Awareness
4	Interclass singing competition on 'Micro Theme'	4 <sup>th</sup> Sept 2007	Microbiology students and teachers	Creativity building
5	Interclass Poster Competition and Clay modeling competition	21 <sup>st</sup> Nov 2007	Microbiology students and teachers	Presentation skills
6	Talk by Dr. Savita Kerkar, Reader Goa University	5 <sup>th</sup> Dec 2008	Microbiology students and teachers	Awareness
7	Intercollege Poster Competition	10 <sup>th</sup> Nov 2009	Microbiology students of all colleges	Presentation skills
8	Cooking Competition	8 <sup>th</sup> Aug 2009	Microbiology students	Extra curricular activity

9	Talk & demonstration on prevention of food adulteration by Shri Chandrakant Kambli & Pundalik Gawde from FDA	4 <sup>th</sup> Feb.,2010	Microbiology students and teachers	Awareness
10	Spellathon	13 <sup>th</sup> Dec. 2010	Microbiology students	Testing knowledge of Micro. terms
11	Antakshri on Microbiological terms	30 <sup>th</sup> Aug. 2011	Microbiology students	Testing creative ability of students
12	Creative writing-autobiography of a microorganism	14 <sup>th</sup> Feb. 2012	Microbiology students	Creative thinking
13	Spellathon	28 <sup>th</sup> June 2013	Microbiology students	Testing knowledge of Micro. terms
14	Creative writing-autobiography of a microorganism	5 <sup>th</sup> July 2013	Microbiology students	Creative thinking
15	Cooking competition	10 <sup>th</sup> Jan 2014	Microbiology students	Delicious recipes using microbial products.

**32. Teaching methods adopted to improve student learning**

Faculty members in the department have a basic knowledge of computers. For effective communication, teachers use OHP, Laptops, and roller boards. They regularly update their knowledge via internet. The department has an active Microtech Cell under the auspices of which intercollegiate poster competitions, interactive sessions, quiz, essay competitions, are held as part of co-curricular program.

**33. Participation in Institutional Social Responsibility (ISR) and Extension activities**

**34. SWOC analysis of the department and Future plans:**

1. Having separate instrumentation room
2. Addition of more research based instruments
3. Separate research laboratory
4. Having more major & minor research projects
5. Conducting more activities under Microtech cell.
6. Release of informative Departmental wall paper ( News & views )
7. Planning of National seminars/ conference / workshop
8. Additions of more periodicals & journals
9. Have fully functional Microbiological Alumni
10. Starting of Placement cell of the department .

## DEPARTMENT OF ZOOLOGY

1. Name of the department: Zoology Department
2. Year of Establishment: 1986; upgraded to six units level from 1991 onwards.
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG
4. Names of Interdisciplinary courses and the Departments/ Units involved: Environmental Sciences taught for Arts and Science classes at Semester I and II level as a compulsory subject.
5. Annual/ Semester/choice based credit system (programme wise): Semester System
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of Courses/ Programmes discontinued (if any) with reasons: Three units at Semester V and VI level, since the subject was upgraded to six unit level since 1991.
9. Number of Teaching posts:

	Sanctioned	Filled
Professors	nil	Nil
Associate Professors	04	04
Asst. Professors	03	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mrs. Susan Marcos	M.Sc, M.C.T	Associate Professor	Developmental Biology	33 years	--

Dr. A. V. Deshpande	M.Sc; Ph.D	Associate professor	Endocrinology , reproductive Biology.	27	--
Dr. S.H. Bhosale	M.Sc; Ph.D	Associate professor	Entomology, Insect physiology	29	--
Mr.G.P.P. Khanolkar	M.Sc.	Associate professor	Fisheries Biology	23	--
Ms. Deepa Fernandes	M.Sc M.Phil	Assistant Professor	Environmental Biology	20	--
Ms. Teja Gramopadhye.	M.Sc. M.Phil	Assistant professor	Environmental Biology	20	--
Dr(Ms).Deeparani Prabhu.	M.Sc. PhD	Assistant professor	Molecular cell Biology and Integrated pest Management	19	--

10. List of senior visiting faculty: NIL
11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 10% Practicals and 05% Theory.
12. Student -Teacher Ratio (programme wise): 1:15 per programme.
13. Number of academic support staff (technical) and administrative staff; sanctioned and filled: One Laboratory Assistant, Two laboratory attendants and one Field collector.
14. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/Pg: 03- Ph.D's, 02- M.Phil's, 01- M.C.T and 01- M.Sc.
15. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01 ongoing project funded by

ICSSR, New Delhi (Indian Council of Social Sciences)

- 16.** Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL
- 17.** Research Centre /facility recognized by the University: NIL
- 18.** Publications:
- \* a) Publication per faculty:

Ms. Susan Marcos-	NIL
Dr. A.V Deshpande	05
Dr. S.H. Bhosale	08
Mr.G.P.P.Khanolkar	NIL
Ms. Deepa Fernandes	NIL
Ms Teja Gramopadhye	NIL
Dr(Mrs.) Deeparani Prabhu	02
- 19.** Areas of consultancy and income generated: Nil
- 20.** Faculty as members in
- a) National committees b) International Committees c) Editorial Boards:  
Dr.S.H.Bhosale is a member of the editorial board of College In house Journal of Carmel College for Women, Nuvem and P.E.S's SRSN College of Arts and Science, Farmagudi.
- 21.** Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme: 100% all Semester V &VI students have to undertake Project as a part of Curriculum.
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil
- 22.** Awards/ Recognitions received by Faculty and Students: Dr.S.H.Bhosale received the Bharat Shiksha Ratna Award instituted by Global Society for Health & Educational growth, New Delhi, India, for the year 2011-2012. Under the guidance of Dr. S.H.Bhosale and Ms. Deepa Fernandes BSc. II Semester zoology students were awarded second prize at the state level for the Eco-Green book project entitled "Distribution of microarthropods in the college campus" from National Green Corps, GSCS and T, DST & E, Govt of Goa for the year 2007-2008.



**23. List of eminent academicians and scientists/ visitors to the Department:**

Dr. Arun Parulekar, NIO  
Dr. A.B.Wagh, NIO  
Prof. V.L.Kallapur, Professor Emeritus  
Dr. Ashwani Kumar, Malaria Research Centre  
Dr.Pandey Director, NCAOR  
Dr. Faleiro, ICAR  
Dr. Barbuddhe, ICAR  
Prof. A.B.Shanbhag, Goa University  
Prof. P.V.Desai, Goa University  
Dr. I.K.Pai, Goa University  
Dr.Prasad Burra.International Institute of Technology,Pune

**24. Seminars/ Conferences/Workshops organized & the source of funding**

a)National: Nil  
b)International: Nil

**25. Student profile programme/course wise:**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M	*F	Pass percentage
2009-2010					
F.Y.B.Sc. (Zoology)	91	91	21	70	Approx. 95%
S.Y.B.Sc. (Zoology)	94	94	10	84	100%
T.Y.B.Sc. (Zoology)	4	4	02	02	100%
2010-2011					
F.Y.B.Sc. (Zoology)	86	86	18	68	Approx. 95%
S.Y.B.Sc. (Zoology)	89	89	20	69	100%
T.Y.B.Sc. (Zoology)	03	03	01	02	100%
2011-2012					
F.Y.B.Sc. (Zoology)	69	69	12	57	Approx. 95%
S.Y.B.Sc. (Zoology)	83	83	17	66	100%
T.Y.B.Sc. (Zoology)	05	05	00	05	100%
2012-2013					
F.Y.B.Sc. (Zoology)	101	101	23	78	Approx. 95%

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
S.Y.B.Sc. (Zoology)	65	65	09	56	100%
T.Y.B.Sc. (Zoology)	07	07	04	03	100%
2013-2014					
F.Y.B.Sc. (Zoology)	94	94	12	82	--
S.Y.B.Sc. (Zoology)	96	96	15	81	--
T.Y.B.Sc. (Zoology)	03	03	00	03	--

\*M=Male F=Female

**26. Diversity of Students:**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y.B.Sc. (Zoology)	100%	nil	Nil
S.Y.B.Sc. (Zoology)	100%	nil	Nil
T.Y.B.Sc. (Zoology)	100%	nil	Nil

**27.** How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : One student cleared NET examination

**28. Student progression**

Student progression	Against % enrolled
UG to PG	100% students are admitted for M.Sc. Zoology in Goa University
PG to M.Phil.	15
PG to Ph.D.	04
Ph.D. to Post-Doctoral	Nil

Student progression	Against % enrolled
Employed	95
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	5 80
Entrepreneurship/Self-employment	10

- 29. Details of Infrastructural facilities**
- a) Library: The College has a good Library facility, In addition the Dept. also has a small departmental library for the benefit of the students.
  - b) Internet facilities for Staff & Students : Internet facility is available for the staff and students for project work.
  - c) Class rooms with ICT facility: OHP & LCD facilities are available
  - d) Laboratories: Laboratories are well equipped with chemicals, Glasswares & instruments to be used by students.
- 30. Number of students receiving financial assistance from college, university, government or other agencies: Some financial assistances provided to the students of Semester V & VI for undertaking projects.**
- 31. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Special Lectures, Workshops & Students seminars were organized for the benefit of the students.**
- i) Organized invited lecture series on “ Perspectives in Biomedical Sciences by Dr. Prasad Burra, HOD School of Biotechnology, International Institute of Technology,Pune.
  - ii) Organized a talk on ,”Cyber crime and Cyberforensics” by shri Atmaram Deshpande, Superintendent of Police ,C.I.D Special Branch, Goa.on August 11<sup>th</sup> 2011.
  - iii)Organized two day state level seminar on “Basic Sciences-Its importance and Future” on 16<sup>th</sup> and 17<sup>th</sup> March 2012.
  - iv)Organized a lecture on “ Yog Science-The ultimate solution to your problems” by Dr. Suraj Kanekar , an eminent doctor from Ponda.
  - v) Organized a workshop on “ First-Aid and Emergency management” in collaboration with GVK Emergency Management and Research Institute, Goa Medical College,Bambolim on 22<sup>nd</sup> January 2011.
  - vi)Organized a talk on “Emerging Trends In Zoonotic Diseases” by Dr.

- S.B. Barbuddhe, Sr.Scientist,ICAR(Old Goa) on 28<sup>th</sup> February 2011
- vii) Organized a seminar on “ Exploring the Oppurtunities in the field of Zoology”
  - viii) A Talk on “Research Oppurtunities and Scope of Zoology” by Dr. Manoj Borkar, Associate Professor , Carmel College For Women , Nuvem.
  - ix) Shri Sairaj Dhond delivered a talk on “Solar as an Ecofriendly option” on 8<sup>th</sup> September 2012.
  - x) A workshop on “ Poisonous and non Poisonous snakes & Their Identification” by Amrut Singh, President, Goa Animal Rescue Squad , Bicholim, on 8<sup>th</sup> February 2013.

**32.** Teaching methods adopted to improve student learning: Use of OHP, LCD projector.

**33.** Participation in Institutional Social Responsibility (ISR) and Extension activities:

Members of the department have worked in National Service Scheme as Programme , co-programme and lady programe officers.

Member have undergone training as programe officers. During the tenure as programme officers a number of socio-economic and scientific studies of the catchment area of the college i.e around Ponda.

Dr. S.H. Bhosale is a member of the working committee of “Mathruchaya”an orphanage.

One day workshop on “Technology of milk & milk products” was organized on 20<sup>th</sup> October 2002.

Dr. S.H. Bhosale is committee member of the National conference on “Orphanages” organized by Matruchhaya trust, Kavalem Ponda on 21<sup>st</sup> & 22<sup>nd</sup> September 2002.

Dr. S.H. Bhosale has Organized a workshop for Matruchhaya Rugna Shayata Kendra Volunteers by Rambhau Mhalgi Prabodhini Mumbai at Bandora on 5<sup>th</sup> & 6<sup>th</sup> February 2005.

Dr. S.H. Bhosale was in the organising committee of a medical camp “ Vanditva Nivaran Shibir.” By Dr. Kedar Padte, on 30<sup>th</sup> march 2014.

Dr. S.H.Bhosale was the convenor of Nisarga Eco club, affiliated to National Green Corps,GSCS and T,DST &E , Govt of Goa.

The Survival Nature Club

**34. SWOC analysis of the department and Future plans :**

- Applying for research projects
- Applying for recognition of research guide for faculty
- Organisations of National and International Seminars, workshops, Symposia and conferences
- Starting Certificate and Diploma courses in Biostatistics in collaboration with Mathematics and applied Zoology.
- Consolidation and compilation of Projects in zoology
- Compilation of Procedures for laboratory experiments at UG level in the form of Manual
- Authoring textbooks and references in the field of zoology

**Developing the laboratory**

The department of Zoology has three faculty members with Ph.D. and two have a M.Phil degree. One of them possesses Master of Collegiate Teaching Degree. The department has completed research projects both major and minor. The major project completed was a interdisciplinary project involving botany, chemistry, microbiology and zoology. The department has also organized a regional seminar in collaboration with NCAOR, Vasco Goa and several state level seminars and workshops. The department is well equipped for undertaking research projects and also starting some add on certificate and diploma courses.

## **BEST PRACTICES OF THE COLLEGE**

- 1.** Teacher-guide Scheme: We realized way back in 2002 that we must invest a qualitative time with the youths of the college. A scheme was therefore designed to mentor the students by the teachers. It is a sort of mini counseling done by the teachers to students allocated to him/her. As a result students started confiding in the teachers their problems related to academics and personal too. In worst case scenario some of the students then referred to the counseling and guidance cell of the college which under a trained psychologist and counselor.
- 2.** Book Bank Scheme: The College has a book bank which has numerous books which are issued to needy students as well as others. The books to this scheme are normally donated by retired people from industry and others. Do to this scheme students have inculcated the habit of reading and writing their notes on their own. Besides, it also helps the students to at least read one book thoroughly.
- 3.** P.E.S's Employees Co-operative Credit Society Ltd.: To cater the needs of employees for immediate and hassle free loans for all domestic purpose with reasonable interest rate and also to have saving facilities with good returns college is running this society for the last 27 years or so. The total members of this society are 132. Through this credit society meritorious children of the members are felicitated on every Independent Day to recognize their talent in various fields and to boost their moral for their overall development.
- 4.** Evaluation/Assessment of Teachers by Students: Students evaluate teachers according to a specific format, regarding various aspects of teaching etc. the respective teacher tabulates the data and prepares a report and discuss the same with the principal for further action.
- 5.** Modern Teaching Equipment: The College uses modern teaching equipment and ICT learning, which helps students in interactive learning.
- 6.** Attendance/Identity Card: The attendance of students is maintained and all the students are issued identity cards.
- 7.** Linkages: The College has linkages with other institutions like NIO and collaboration in research with faculty members from institutions worldwide.
- 8.** Extension Activity: the college is actively involved in extension activities to help society in general and adding value to the learning.
- 9.** Faculty Improvement Programmes: The College has faculty improvement programmes annually to enhance the teaching- learning experience.
- 10.** Study Circle Activities: The study circle organizes lectures and training programmes regularly on various topics of importance and interest.

- 11. Red Ribbon Club:** The College has constituted a red ribbon club for A.I.D.S. awareness campaigns.
- 12. Medical Center:** The College has a medical center, wherein medical aid and advice is given to students and even medical camps are organized for the benefit of students and staff of the college.
- 13. P.E.S. Archives:** The Department of History of the college has established archives to create awareness about historical facts, monuments, heritage sites, conducts study trips, etc. Besides, talks and inter-collegiate functions are regularly held under the aegis of the department's association called 'P.E.S. Archives'.
- 14. College Wall-paper:** The college wall-paper called "PARIKRAMA" released on important national days. This is the responsibility of the language teachers along with other teachers to generate interest in the students to write on varied and interesting topics.
- 15. College Publications:** The College has numerous publications to its credit, eg. Books like "Matoli". Department of Chemistry came out with books on practicals which has become very handy in the conduct of experiments in laboratory. Some other teachers are also having their publication of books funded by agencies like Goa Konkani Academy, Department of Arts and Culture, Govt. of Goa, etc.
- 16. In-house Journal:** Since majority of our teachers are holding Ph.D. degree, some of the teachers are trying their level best to do some research work with available facilities. As a part of this activity a journal/magazine by name "SOUNVED" is published which include the research work done by the teachers. This not only helps the teachers to promote research activity but also to students who are interested in making research as their career.
- 17. N.S.S./Camp:** The college organizes an annual camp which includes numerous activities like awareness projects, socio-economic surveys and other activities like cleaning of the nullah, village spring, road repairing, etc.
- 18. Staff Guild:** The staff guild of the college has all the staff members as its members and promotes co-operation among all the staff, it has a tea/coffee club which organizes activities like meetings, F.I.P's. staff picnics etc.
- 19. Solar powered illumination of the campus:** the college has solar powered illumination on campus, in keeping with fuel saving steps and environment friendly technology. Tapping of other sources of energy is paramount important in the conservation and preservation of energy.
- 20. Tree Plantation:** The Survival Nature Club and N.S.S. Unit of the college undertake a tree plantation drive annually in the college campus. College has a vast campus with lots of flowering and fruit bearing trees.

- 21. Blood Donation Camp:** A blood donation camp is organized annually to create social responsibility and voluntary service among students and staff. The NSS unit of the college monitors it and helps those who are in need of blood for their ailments. They have also prepared a directory of blood donors of the college.
- 22. Counseling and Guidance:** The College has a counseling and guidance cell which organizes lectures on various psychological problems related to students and also handles individual cases for counseling and guidance. The cell is under a care of a Psychologist and Counselor.
- 23. Placements:** The College has a placement cell which handles placements and also organizes training programmes and career guidance programmes for students from time to time.
- 24. Conduct of National Level Talent Search Examination:** The college staff conducts an annual Maharashtra Talent Search Examination (MTS). College is a main center for distribution and collection of examinations material to other centres in Goa. Teachers of the college are involved in this activity which is held every year in the month of April.
- 25. Scholarships for Economically Backward Students:** The zCollege has instituted scholarships and freeships for economically backward students and those from rural background.
- 26. Financial Aid for needy Students:** the staff of the college often provides financial aid especially for medical treatment for needy students. Generous contributions are also made for the staff members suffering from serious illnesses.
- 27. Field Trips/Industrial Visits/Study Tours/ Excursions/Hikes:** There are annual trips, industrial trips, study tours, excursions and hikes organized as curricular and co-curricular activities of the college.
- 28. Kala Sangam:** A three day cultural programme is organized annually which include inter-class competitions. Students show cases their talents in acting, dancing, singing, speaking, writing, decoration, designing, etc. It is a platform for students to take up careers in cultural aspects.
- 29. Industrial Training/Consultancy:** Students are often sent for industrial training and visits as part of co-curricular activity.
- 30. Student-Family Visits:** Many staff members visit homes of students for interaction.
- 31. Chowguddo:** In order to maintain our rich cultural heritage “Chowguddo”, a traditional Goan music is being played every year before commencement of College Annual Social Gathering. It’s a traditional music played in Goan temples either early in the morning or early in the evening.



## **POST ACCREDITATION INITIATIVES OF THE COLLEGE**

P.E.S. College of Arts & Science was accredited by NAAC in the year 2002 with three stars. Since then college has taken initiatives to expand and improve in quality and quantity in various fields of its academic endeavour. The college completed 25 glorious years of its existence in the year 2010. Our goals are before us to provide an opportunity for quality education which is value based and career oriented to the rural population of the area. Our strength lies in our students' who has brought laurels to the college with excellent performances in academic, extension and in sports and other fields. We at P.E.S. lay emphasis on all round development of our institution and of our stakeholders with a focus on quality improvement, sustenance and enhancement.

The management of the college is very supportive and cooperative in the growth and development of the college. One of the executive member will be always present in the college to look at the day today functioning of the college. Besides, the management has selected a team of dynamic and experienced teachers for teaching and providing guidance to students. Many students of this area being first generation learners are admitted without any special screening, but with the help of hard working, and experienced teachers, they have excelled in their examinations and passed out with flying colours. The students are provided with the best quality education and guidance by the teaching faculty of the college. These students have got good placements in industries and other fields. They are in constant touch with the institution by interacting with the faculty and students..

As said elsewhere in this report, we have a highly qualified faculty, with highest number of Ph.D among the colleges of Goa. As of now we have 42 minor and major research projects completed/ongoing in various disciplines (subjects). It is the highest number among the colleges of Goa. This shows the research talents of our faculty and makes us proud in the academic field of Goa. The faculty is further encouraged to take up research projects and also motivates others to pursue their M.Phils and Ph.Ds in their respective subjects. This motivates our students to imitate their own educators to perform well and excel in their academic careers.

The post accreditation initiatives taken by the college and its faculty for quality improvement, sustenance and enhancement are as follows:

1. Computer centre/laboratory: The College has a well equipped computer laboratory with networking facility. It has 38 computers. There is a computer instructor to manage the computer laboratory and to conduct the IT practicals. of F.Y.B.A./B.Sc. It caters to around 300 students. All the Science and common staff

room have computers. Some of the Arts departments too are equipped with a computer, scanning, printing and xeroxing facilities.

2. Matoli: The department of Konkani has published a book on the flora and fauna of Goa known as “Matoli”. It is a tri linguistic book showcasing the importance of the plants and fruits in cultural life and religious festivals of this state. In particular Matoli is a display of various fruits, flowers and fauna found in Goa during the festival of Ganesh Chaturthi commonly known as ‘Chovoth’.

3. Research Activities: The research activities of the departments have increased by leaps and bound. Most of the Arts & Science departments have undertaken minor or major research projects. As of now we have 42 completed/ongoing minor and major research projects. In last few years 9 faculties have completed M.Phils and 17 Ph.Ds.

4. Extension Activities: The students and teachers of the college are actively involved in the extension activities and community service, campaigns and awareness programmes on HIV/AIDS, Anti tobacco, Life style diseases and diabetes, Health and hygiene, Anti plastic Gender discrimination, women empowerment Environment issues, Literacy drives, Science popularization programmes, Cleaning drives in villages, Socioeconomic surveys, under NSS camps, Charitable works, etc.

5. Infrastructure facilities: There is a expansion of infrastructure facilities of the college. In this vast campus of 35,000 sq.mts, The Ponda Education Society has 17 buildings old and new together. The college in its custody has 9 buildings for its various Arts & Science programmes having total built up area of 9280 sq. mts. There is increase in number of lecture halls, laboratories, well equipped A.C. seminar and auditorium, separate library building with reading rooms for students and staff, adequate space for administration, examination, spacious gymkhana building with a well equipped gymnasium, sports ground, adequate space for recreational, IQAC, research, a separate Management and board room, space for credit cooperative society, parking space for vehicles, power generator of 35 KV, safe drinking water facilities, etc.

6. Girls Hostel: The girl’s hostel is being constructed with UGC funds. The building is complete in all respect and we are awaiting the regulatory authorities to give us occupancy certificate. The hostel will have a capacity for 100 occupants.

7. Lady’s Common Room: Since 65 - 70 per cent of the strength of the college is represented by the girls. The college has developed a well ventilated and spacious lady’s common room with all the facilities including the attached toilets.

8. Counseling and Guidance Cell: Guidance and counseling cell of this college is handled by an experienced psychologist cum professional counselor. The teachers of the department of psychology oversee the functioning of this cell. Students are provided with counseling and guidance services on their academic and psychological problems. Besides faculties under teacher guide scheme provides added counseling and guidance to the students.

9. Alumni Association: The College has established P.E.S. Alumni Association. Its activities are monitored by a senior teaching faculty along with the executive committee of the Alumni Association. The association takes active part in the planning and development activities of the college.

10. Coaching for Competitive Examinations: The faculty of the college is actively involved in creating awareness amongst the students about competitive examinations. Some of the departments conduct informal coaching for students to answer entrance test for higher studies and competitive examinations. For example the department of chemistry every year conducts coaching classes for students to answer entrance test for M.Sc.

11. Freeships and Scholarships: Adequate freeships and scholarships are given to students by the Government as well as from the student aid fund of the college. Every year around 60 to 70 students of the college receive various freeships and scholarships.

12. Book Bank: The scheme provides to deserving as well as other students, text and reference books. The books to this scheme are donated by retired teachers and others from industry and corporate field.

13. Internet Service: The College has an internet facility for the staff in the administrative block. The college also has a plan to provide internet other related facilities to the students and staff. Besides the entire college campus will have internet enabled services.

14. Faculty Improvement Programme: We have a dynamic, committed and highly qualified faculty. F.I.P. is provided by UGC and Goa Government to the faculty to pursue their Ph.Ds in their subjects. At present around 12 teachers have availed FIP. Many are aspiring to take up research activities leading to Ph.Ds.

15. Sounved: Teachers are involved in presenting their research work at State, National and International foras. College has started its in-house research journal called "Sounved" to publish the research findings of its faculties and students.

16. Canteen Facility: A three storey spacious and well furnished cafeteria providing different varieties of snacks and beverages at reasonable rates.

## ABBREVIATIONS

AC	Academic Council
AIDS	Acquired Immune Deficiency Syndrome
API	Academic Performance Indicators
AQAR	Annual Quality Assurance Report
ATKT	Allowed to Keep Terms
B.A.	Bachelor of Arts
B.Ed	Bachelor of Education
B.Sc	Bachelor of Science
BOS	Board of Studies
CA	Chartered Accountant
CAS	Career Advancement Scheme
CMM	Cosme Mathias Menezes
COE	Controller of Examination
COOJ	Cause of Our Joy
CSIR	Council for Scientific and Industrial Research
DHE	Directorate of Higher Education
DST	Department of Science and Technology
EC	Executive Council
FIP	Faculty Improvement Programme
FSI	Fisheries Survey India
GIRDA	Goa Institute for Rural Development and Administration
GKA	Goa Konkani Academy
GMC	Goa Medical College
HIV	Human Immuno Virus
HSSC	Higher Secondary School Certificate
ICAR	Indian Council for Agricultural Research
ICHR	Indian Council of Historical Research
ICSSR	Indian Council for Social Science Research
ICT	Information Communication Technology
ILLS	Inter Library Loan Service
IPHB	Institute of Psychiatry and Human Behaviour
IQAC	Internal Quality Assurance Cell
IQAS	Internal Quality Assurance System
ISA	Intra Semester Examination
ISR	Institutional Social Responsibility
LCD	Liquid Crystal Display
LLB	Bachelor of Legislative Law
LTC	Leave Travel Concession
M.Phil	Master of Philosophy

M.Sc	Master of Science
MA	Master of Arts
MARG	Movement for Amity towards Road in Goa
MBA	Master of Business Administration
MOES	Ministry of Earth Sciences
MOU	Memorandum of Understanding
MSW	Master of Social Work
MTSE	Maharashtra Talent Search Examination
NAAC	National Assessment and Accreditation Council
NCAOR	National Council for Antarctica and Ocean Research
NGOs	Non Governmental Organizations
NIO	National Institute of Oceanography
NOC	No Objection Certificate
NOTE	National Organization for Tobacco Eradication
NSS	National Social Service
OBC	Other Backward Class
OHPs	Over Head Projectors
PBAS	Performance Based Academic Scores
PES	Ponda Education Society
Ph.D	Doctor of Philosophy
PTA	Parents Teachers Association
SC	Schedule Caste
SEE	Semester End Examination
SSR	Self Study Report
ST	Schedule Tribe
SWOC	Strength Weakness Opportunity Challenge
UGC	University Grants Commission
WWF	World Wide Fund

### **Declaration by the Head of the Institution**

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

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

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

(Dr. A. S. Dinge)  
Principal

Place: Ponda Goa  
Date: May 30, 2014

## **Certificate of Compliance**

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Ponda Education Society, College of Arts and Science, Farmagudi, Ponda Goa fulfils all norms.

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation/recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: May 30, 2014  
Place: Ponda Goa

(Dr. Anil S. Dinge)  
(Name and Signature with office seal)



## Annexure - I

### गोंय विद्यापीठ

ताळगांव पठार  
गोंय - ४०३ २०६  
फोन : ०८३२ - ६५१९०४८/६५१९३०२  
फॅक्स : ०९१ ८३२ २४५११८४/२४५२८८९



### Goa University

Talagao Plateau, Goa - 403 206  
Tel: 0832-6519048/6519302  
Fax: +091-832-2451104/2452889  
Email: registrar@unigoa.ac.in  
Website: www.unigoa.ac.in

Ref: 1/Acad-Gen/2013-14/ 311

Date: 14 /02/2014

#### TO WHOM IT MAY CONCERN

This is to certify that **P.E.S. College of Arts & Science, Farmagudi-Ponda, Goa** is affiliated to the Goa University since 1986 and the following Courses/Subjects are taught in the said college as per approval.

Programme	Courses	Duration	Affiliation	Validity period
a) B.A.	Economics, History, Political Science, Philosophy, Psychology, Hindi, Marathi, Konkani,	3 years	Permanent	w.c.f.1996-97
b) B.Sc.	Physics, Botany, Zoology, Mathematics,	3 years	Permanent	w.c.f.1996-97
	Chemistry, Industrial Chemistry,	3 years	Permanent	w.c.f.2000-01
	Microbiology (3 units)	3 years	Permanent	w.c.f.2000-01
	Microbiology (6 units)	3 years	Permanent	w.c.f.2008-09

  
13-2-14  
Prof. V.P.Kamat  
REGISTRAR

**Annexure - II**

UNIVERSITY GRANTS COMMISSION  
 BHADOUR SHAH ZAKIR ROAD  
 NEW DELHI-110 002.

136  
135

No. F.8-17/97(CPP-I)

April, 1998

The Registrar,  
 Goa University,  
 S.P.O. Goa University,  
 Talisco Plateau,  
 Goa-408203.

*To: Registrar, Goa University*  
 14/1/98  
 14/1/98 - 1 MAY 1998

Subj:- List of colleges prepared under Section-2(f)  
 of the UGC Act, 1956- Inclusion of New Colleges.

Sir,

I am directed to refer to your letter No. GU/V/PES-2(f)/  
 B-4/97/17598 dated 13.02.1998 on the above subject and to say  
 that the name of the following college has been included in the  
 above list under Non-Government college(s) teaching upto Bachelor's  
 Degree:-

Name of the College	Year of Estt.	Remarks.
Ponda Education Society College of Arts and Science, Farmagudi, Ponda-Goa (Dr. A.K. Habblekar).	1985	This College is eli- gible to receive central assistance in terms of the rules framed under Section- 12-B of the UGC Act, 1956.

The Indemnity Bond and other documents in respect of the  
 above college(s) have been accepted by the Commission.

Yours faithfully,

*(Signature)*  
 (D.D. MEHTA)  
 Under Secretary.

Copy forwarded to:-

1. The Principal, Ponda Education Society College of Arts and  
 Science Farmagudi, Ponda-Goa
2. The Secretary, Govt. of India, Ministry of Human Resource  
 Development, Deptt. of Education, T-14, Section, New Delhi.
3. Joint Secretary, UGC western Regional Office, Ganesh Khind,  
 Industrial Chemical Laboratory, Near Poona, University Campus,  
 Pune-411007.
4. All Sections, UGC,
5. S.O. (FD-III Section) UGC, New Delhi.
6. Guard File.

Certified True Copy  
 PRINCIPAL,  
 P. O. PONDAS  
 SHRI RAMI CHANDRA P. W.  
 DEPARTMENT OF HUMAN RESOURCE

*(Signature)*  
 (C.P. ARORA)  
 Section Officer.

## Annexure - III



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्  
Ishad'evanava, Manjolan, Shantivan, Kala, Karamba, Zindhan, & Shantivan

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
*An Autonomous Institution of the University Grants Commission, Bangalore*



### Certificate of Accreditation

The Executive Committee of the National Assessment and Accreditation Council, on the recommendation of the duly appointed Peer Team, is pleased to declare the

**Ponda Education Society's College of Arts & Science**  
Tarnagudi, affiliated to Goa University, Goa, as  
**Accredited<sup>1</sup>**  
at the 'Three star level'<sup>2</sup>  
(among the Affiliated / Constituent Colleges)

Date : February 12, 2002

*One Pura*  
Director

1. This accreditation is valid for a period of 5 (five) years with effect from the academic year 2002-03. An institutional score (SI) in the range of 85-90 denotes one star, 60-85 two stars, 45-70 three stars, 20-45 four stars, and 0-20 and above five stars (upper limit not achieved).

## Annexure –IV

### List of Teachers who have attended Orientation/Refresher Courses since 2002

S. No.	Name of the Teacher	Orientation Course	Refresher Courses
1.	Ms. Anuaradha S. Kanolkar	-	1.6/02/2002 2.4/10/2005
2.	Ms. Bhagyashri L. Halarnkar	-	1.3/1/2006 2.8/12/2009
2.	Dr. Coroline F. E. Fernandes	-	January 2004
3.	Ms. Deepa Fernandes	-	29/8/2002
4.	Mr. Deepak R. Chhatre	23/04/1997	
5.	Dr. Deeparani K. Prabhu	-	7/3/2012
6.	Mr. G. P. P. Khanolkar	-	5/8/2002
7.	Dr. Harsha P. Uskaikar	10/2/2003	1.4/10/2005 2.2/11/2007 3.26/3/2007
8.	Ms. Jasmine Kurian	-	1.18/11/2004 2.28/05/2010
9.	Ms. Mandakini G. S. Kundaikar	-	23/01/2002
10.	Ms. Priya U Sabnis	-	November 2013
11.	Ms. Rangita U Sawaikar	-	1.30/08/2002 2.08/12/2009
12.	Dr. Sunita R. Borkar	-	9/11/2002
13.	Ms. Teja A. Gramopadhye	-	1.29/08/2002 2.08/12/2009
14.	Ms. Uma J. Priolkar	4/10/20071	1.28/10/2006 2.08/02/2014

## Annexure - V

List of Teachers who have availed Faculty Improvement Programme

S. No.	Name of the teacher	Year	UGC/Goa Govt.
1.	Dr. Sunita R. Borkar	2001-2002	Goa Govt.
2.	Dr. Satish H. Keluskar	2004-2006	UGC
3.	Dr. Milind N. Kulkarni	2004-2006	UGC
4.	Dr. Caroline F. E. Fernandes	2004-2006	UGC
5.	Dr. R. G. Shetkar	2004-2006	Goa Govt.
6.	Dr. V. D. Vaze	2005-2007	Goa Govt.
7.	Dr. Shrinivas D. Gokakakar	2005-2007	UGC
8.	Dr. Jeronimo G. R. Monteiro	2007-2009	Goa Govt.
9.	Dr. Vikas J. S. Pissurlekar	2008-2010	UGC
10.	Dr. Girish V. S. Kundaikar	2009-2011	Goa Govt.
11.	Dr. Padmaja V. Kamat	2009-2011	UGC
12.	Mr. Bhushan V. Bhave	2013-2015	UGC

## Annexure - VI

List of Teachers who have visited Foreign Countries for Seminars/Workshops/Training/Conferences/Summer School/Resource Persons

S. No.	Name of the Faculty	Purpose	Country	Date/Year
1.	Dr. J. G. R. Monteiro	Conference	Helsinki, Finland	August 2006
2.	Dr. Badruddin	Conference	Manchester University, U.K.	July 19-21, 2007
3.	Dr. Badruddin	Conference	Kuala Lumpur, Malaysia & Penang	June 14-16, 2008
4.	Dr. Badruddin	Conference	Penang, Malaysia	June 18-20, 2008
5.	Dr. K. R. Kunkolienkar	Conference	Korea	August 2008
6.	Dr. Badruddin	Visiting Prof. & Chair	Osh State University, Kyrgyzstan	2010-2011
7.	Dr. J. G. R. Monteiro	Conference	Rhodes, Island, Greece	April 2011
8.	Dr. Padmaja V. Kamat	Conference	Osaka, Japan	June 2012
9.	Dr. Padmaja V. Kamat	Conference	Bangkok	June 12, 2013
10.	Dr. Harsha P. Uskaikar	Summer School	University of Southampton, U.K.	June 23-28, 2013

11.	Dr. Padmaja V. Kamat	Conference	Dubrovnik, Croatia	June 27-28, 2013
12.	Dr. Harsha P. Uskaikar	Conference	University of Durham, U.K.	July 1-3, 2013
13.	Dr. Padmaja V. Kamat	Conference	Brighton, U.K.	July 4-7, 2013
14.	Dr. K. R. Kunkolienkar	Conference	Greece	August 2013
15.	Dr. J. G. R. Monteiro	Conference	Kuala Lumpur, Malaysia	April 2014
16.	Dr. Padmaja V. Kamat	Conference	Harvard University, Boston, USA	May 2014

## Annexure - VII

### List of Teachers who have completed Ph.D. in Service

S. No.	Name of the Faculty	Subject	Year
1.	Dr. (Ms) Kamladevi R. Kunkolienkar	Philosophy	1993
2.	Dr. (Ms) Varsha V. Kamat	History	1996
3.	Dr.(Ms) Late Kasturi N. Desai	Botany	1996
4.	Dr. Badruddin	Political Science	1999
5.	Dr. (Ms) Vidya V. Prabhu Desai	Marathi	2000
6.	Dr. Bhiwa L. Malik	Chemistry	2001
7.	Dr. (Ms) Sunita R. Borkar	Microbiology	2002
8.	Dr. (Ms) Harsha P. Uskaikar	Chemistry	2003
9.	Dr. (Ms) Sima V. Kamat	Botany	2004
10.	Dr. (Ms) Anjali M. Rao	Philosophy	2004
11.	Dr. (Ms) Aditi M. Rane	Political Science	2005
12.	Dr. Satish H. P. Keluskar	Physics	2007



13.	Dr. Milind N. Kulkarni	Mathematics	2007
14.	Dr. (Ms) Caroline F. E. Fernandes	Microbiology	2007
15.	Dr. Ramchandra G. Shetkar	Chemistry	2007
16.	Dr. Late V. D. Vaze	Chemistry	2008
17.	Dr. Srinivas D. Gokakakar	Chemistry	2009
18.	Dr. Jeronimo G. R. Monteiro	Economics	2010
19.	Dr. Vikas J. Pissurlekar	Chemistry	2012
20.	Dr. Girish V. S. Kundaikar	Physics	2012
21.	Dr. (Ms) Padmaja V. Kamat	History	2012
22.	Dr. (Ms) Deeparani K. Prabhu	Zoology	2013
23.	Dr. (Ms) Flory Pereira	Microbiology	2014

## Annexure - VIII

Examination Results (2002 – 2012)

Arts & Science

### INFORMATION ABOUT EXAMINATION RESULTS

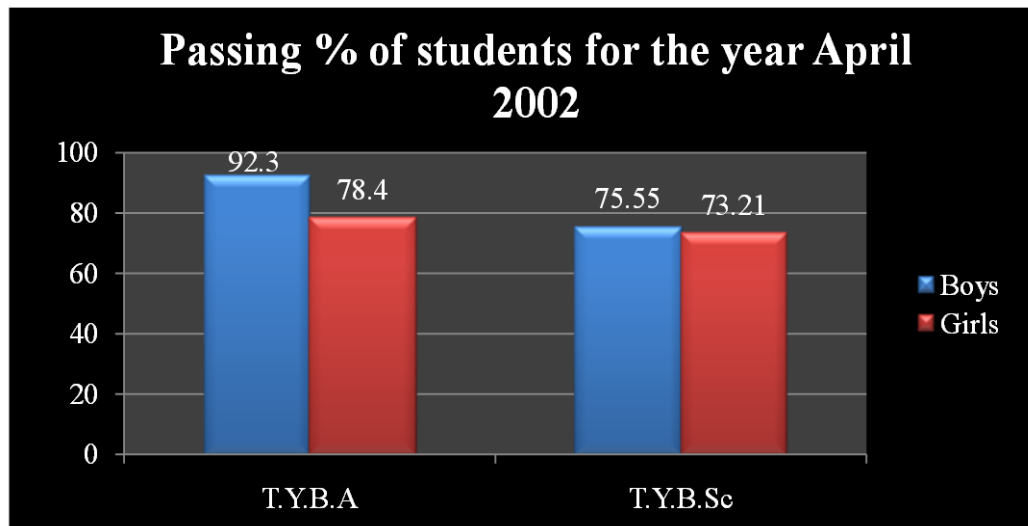
### FROM 2001-02 TO 2012-13, ARTS & SCIENCE

#### EXAMINATION RESULT 2002

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2002	F.Y. B.A.	21	58	79	14	21	35	1	8	9	0	0	0	0	0	0	44	71.42	50	55.69
	S.Y. B.A.	9	70	79	9	37	46	0	6	6	0	3	3	0	0	0	55	100	61.42	69.62
	T.Y. B.A.	26	88	114	15	26	41	5	35	40	3	8	11	1	0	1	93	92.30	78.40	81.57

F.Y. B.Sc.	42	45	87	16	18	34	10	13	23	3	7	10	0	1	1	68	69.04	86.66	78.16
S.Y. B.Sc.	42	70	112	14	26	40	11	22	33	0	13	13	0	1	1	87	59.52	88.57	77.67
T.Y. B.Sc.	45	56	101	6	4	10	15	19	34	9	11	20	4	7	11	75	75.55	73.21	90.65

Passing % of Boys and Girls

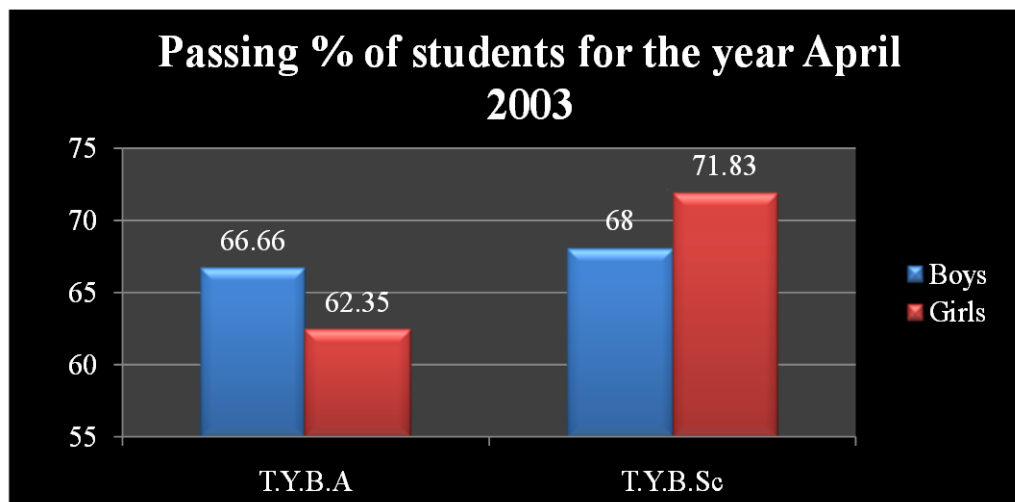


Examination	Class	Appeared			Passed													Pass Percentage			
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total	
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total					
October 2002	T.Y.B.A	01	07	08	01	04	05	00	01	01	00	00	00	00	00	00	00	06	100	71.43	75
	T.Y.B.Sc	07	13	20	00	04	04	01	00	01	00	00	00	00	00	00	00	05	14	30.77	25

### EXAMINATION RESULT 2003

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2003	F.Y. B.A.	24	67	91	15	38	53	01	12	13	02	00	02	0	0	0	68	75	74.62	74.72
	S.Y. B.A	19	52	71	10	23	33	03	05	08	0	01	01	0	0	0	42	68.42	55.76	59.15
	T.Y. B.A	12	70	82	03	29	32	05	17	22	0	06	06	0	01	01	61	66.66	62.35	76.82
	F.Y. B.Sc.	43	85	128	21	32	53	06	29	35	0	11	11	0	03	03	102	62.79	84.70	79.68
	S.Y. B.Sc.	39	43	82	13	06	19	06	20	26	03	11	11	0	01	01	57	56.41	83.33	69.51
	T.Y. B.Sc.	50	71	121	08	07	15	20	25	45	06	22	22	0	03	03	91	68	71.83	75.20

Passing % of Boys and Girls

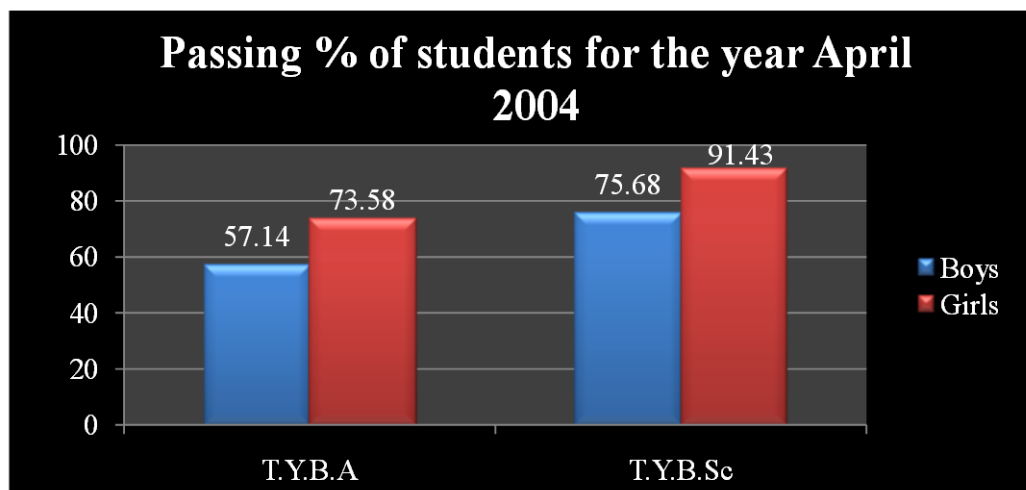


Examination	Class	Appeared			Passed													Pass Percentage			
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total	
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total					
October 2003	T.Y.B.A	01	07	08	0	04	04	0	0	0	0	0	0	0	0	0	0	04	0	57.14	50
	T.Y.B.Sc	09	13	22	03	02	05	0	01	01	0	01	01	0	0	0	0	07	33.33	30.76	31.81

EXAMINATION RESULT 2004

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2004	F.Y. B.A.	26	75	101	15	38	53	01	12	13	0	02	02	0	0	0	68	61.54	69.33	67.33
	S.Y. B.A	18	60	78	08	31	39	02	08	10	0	01	01	0	0	0	50	55.56	66.67	64.10
	T.Y. B.A	21	53	74	05	12	17	05	20	25	02	06	08	0	01	01	51	57.14	73.58	68.92
	F.Y. B.Sc.	39	84	123	13	26	39	04	25	29	03	13	16	0	04	04	88	51.28	80.95	71.54
	S.Y. B.Sc.	40	79	119	14	17	31	07	25	32	03	17	20	0	02	02	85	60	77.21	71.43
	T.Y. B.Sc.	37	35	72	04	01	05	12	10	22	10	13	23	02	08	10	60	75.68	91.43	83.33

Passing % of Boys and Girls



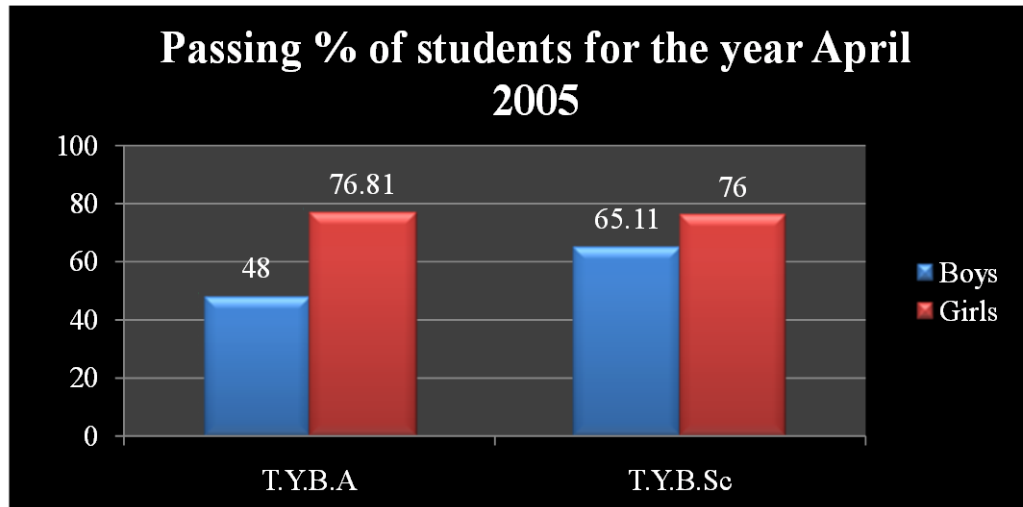
Examination	Class	Appeared			Passed													Pass Percentage			
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total	
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total					
October 2004	T.Y.B.A	03	11	14	01	02	03	0	02	0	0	0	0	0	0	0	0	05	100	36.66	35.74
	T.Y.B.Sc	06	09	15	05	04	09	0	0	0	0	0	0	0	0	0	0	09	83.33	44.44	60

EXAMINATION RESULT 2005

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2005	F.Y. B.A.	38	91	129	14	51	65	04	19	23	0	06	06	0	0	0	94	47.36	83.51	72.86
	S.Y. B.A	17	72	89	03	39	42	01	06	07	0	04	04	0	0	0	53	23.52	67.12	59.55
	T.Y. B.A	25	61	86	06	26	32	05	19	24	01	07	08	0	01	01	65	48	76.81	75.58
	F.Y. B.Sc.	44	63	107	08	09	17	12	14	26	06	15	21	02	07	09	73	63.60	71.42	68.22
	S.Y. B.Sc.	36	77	113	14	08	22	07	37	44	04	19	23	02	03	05	94	75	87.01	83.18
	T.Y. B.Sc.	43	75	118	01	04	05	12	24	36	11	29	40	04	10	14	95	65.11	76	80.50



Passing % of Boys and Girls

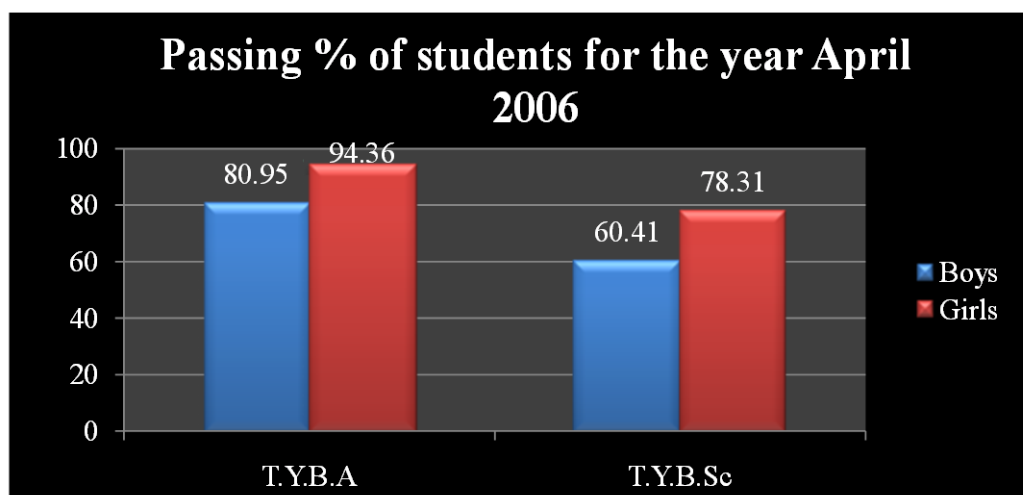


Examination	Class	Appeared			Passed													Pass Percentage			
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total	
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total					
October 2005	T.Y.B.A	04	12	16	01	06	07	0	0	0	0	0	0	0	0	0	0	7	25	50	43.75
	T.Y.B.Sc	11	10	21	0	03	03	0	0	0	0	0	0	0	0	0	0	3	0	30	14.28

EXAMINATION RESULT 2006

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2006	F.Y.B.A.	28	89	117	10	44	54	04	08	12	0	04	04	0	0	0	70	50	62.92	59.82
	S.Y.B.A	29	82	111	12	47	59	03	11	14	0	06	06	0	01	01	80	51.72	78.04	72.07
	T.Y.B.A	21	71	92	06	16	22	09	28	37	02	20	22	0	03	03	84	80.95	94.36	80.43
	F.Y.B.Sc	33	88	121	06	14	20	13	50	63	04	15	19	01	03	04	106	72.72	93.18	87.60
	S.Y.B.Sc	58	70	128	05	05	10	16	23	39	12	24	36	01	09	10	95	58.62	87.14	74.21
	T.Y.B.Sc	48	83	131	0	06	06	09	23	32	13	19	32	07	17	24	94	60.41	78.31	71.76

Passing % of Boys and Girls

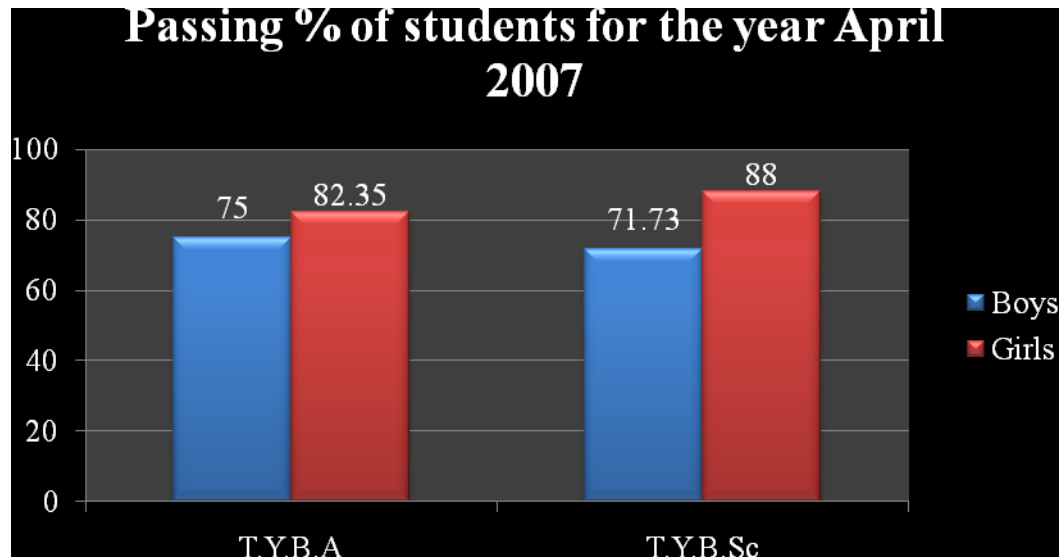


Examination	Class	Appeared			Passed													Pass Percentage				
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total		
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total						
October 2006	T.Y.B.A	03	01	04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	T.Y.B.Sc	20	12	32	08	03	11	0	01	01	01	0	01	0	0	0	13	45	33.33	40.62		

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2007	F.Y.B.A.	26	101	127	12	50	62	01	21	22	0	02	02	0	0	0	86	50	72.27	67.71
	S.Y.B.A	22	81	103	09	38	47	01	05	06	0	02	02	0	0	0	55	45.45	55.55	53.39
	T.Y.B.A	32	85	117	09	27	36	14	27	41	01	15	16	0	01	01	94	75	82.35	80.34
	F.Y.B.Sc.	25	81	106	07	17	24	06	35	41	04	19	23	0	05	05	88	68	93.82	83.01
	S.Y.B.Sc.	44	73	117	09	20	29	17	23	40	04	20	24	01	05	06	98	70.45	93.15	83.76
	T.Y.B.Sc.	46	75	121	02	03	05	09	15	24	15	31	46	07	17	24	99	71.73	88	81.81

EXAMINATION RESULT 2007

Passing % of Boys and Girls

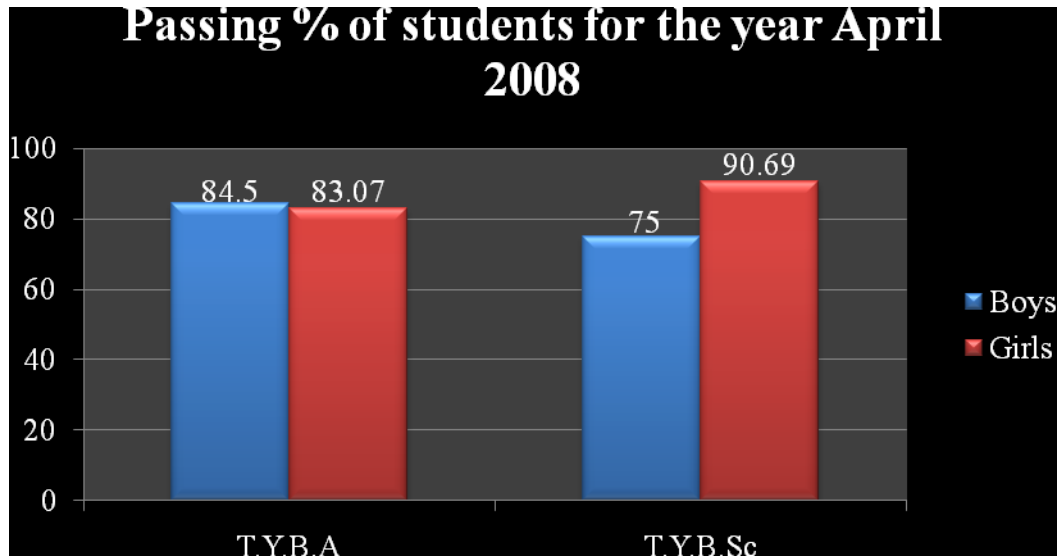


Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
October 2007	T.Y.B.A	06	10	16	01	0	01	0	0	0	0	0	0	0	0	0	01	16.66	0	6.25
	T.Y.B.Sc	09	04	13	01	01	02	0	0	0	0	0	0	0	0	0	02	11.11	25	15.38

EXAMINATION RESULT 2008

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2008	F.Y.B.A.	33	99	133	16	21	37	8	30	38	0	14	14	0	4	4	93	72.72	69.69	69.92
	S.Y.B.A	41	90	131	15	54	69	10	21	31	0	05	05	0	0	0	105	60.97	88.88	80.15
	T.Y.B.A	16	65	81	02	15	18	08	27	35	04	09	13	0	03	03	63	84.5	83.07	78.77
	F.Y.B.Sc	26	96	122	04	07	11	05	20	25	06	32	39	02	15	17	92	69.23	77.08	75.40
	S.Y.B.Sc	32	74	106	08	05	13	06	30	36	05	29	34	01	03	04	87	62.5	90.54	82.07
	T.Y.B.Sc	40	86	126	01	0	01	06	22	28	14	27	41	09	29	38	108	75	90.69	85.71

Passing % of Boys and Girls



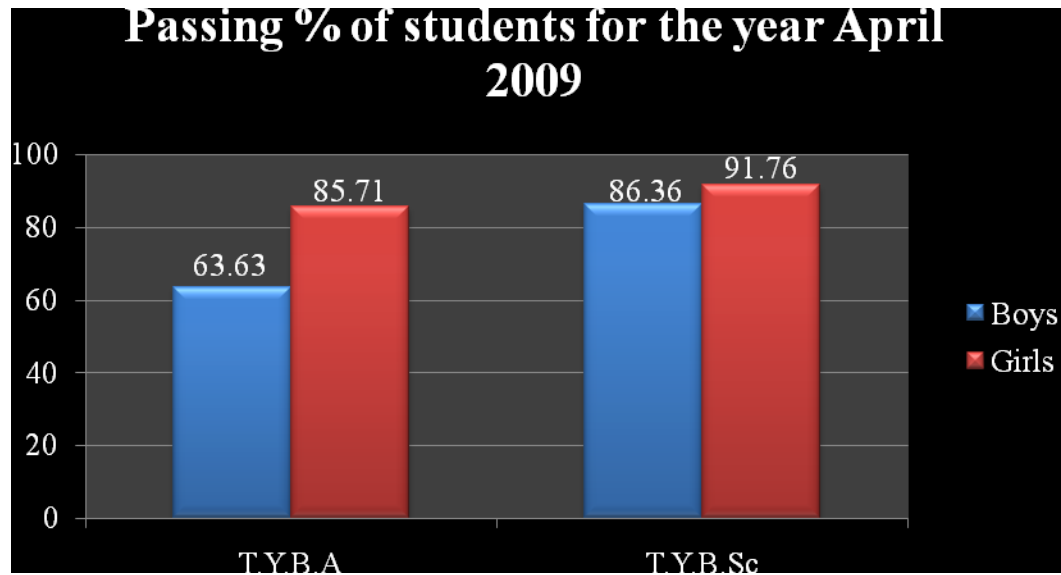
Examination	Class	Appeared			Passed													Pass Percentage			
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total	
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total					
October 2008	T.Y.B.A	01	06	07	01	01	02	0	0	0	0	0	0	0	0	0	0	02	100	16.66	28.57
	T.Y.B.Sc	03	10	13	01	03	04	0	0	0	01	01	02	0	01	01	07	66.66	50	53.84	



EXAMINATION RESULT 2009

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2009	F.Y.B.A.	40	118	158	15	25	40	12	60	72	0	02	02	0	01	01	115	67.5	74.57	72.78
	S.Y.B.A.	32	92	124	13	19	32	09	40	49	0	10	10	0	02	02	93	68.75	77.17	75
	T.Y.B.A.	22	105	127	09	37	46	04	41	45	01	12	13	0	0	0	104	63.63	85.71	81.88
	F.Y.B.Sc.	55	85	140	04	02	06	09	07	16	21	43	64	11	29	40	126	81.81	95.29	90
	S.Y.B.Sc.	27	95	122	02	0	02	04	05	09	13	49	62	03	30	33	106	81.48	88.42	86.88
	T.Y.B.Sc.	22	85	107	0	01	01	06	12	18	10	38	48	03	27	30	97	86.36	91.76	90.65

Passing % of Boys and Girls

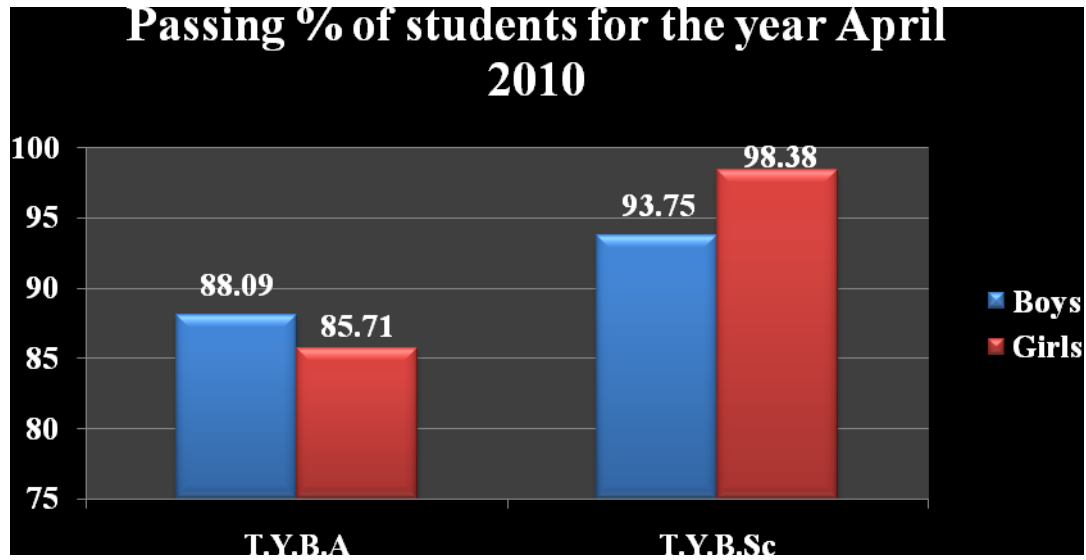


Examination	Class	Appeared			Passed													Pass Percentage			
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total	
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total					
October 2009	T.Y.B.A	04	08	12	02	03	05	0	0	0	0	0	0	0	0	0	0	05	50	37.5	41.66
	T.Y.B.Sc	06	04	10	02	01	03	0	0	0	0	0	0	0	0	0	0	03	33.33	25	30

### EXAMINATION RESULT 2010

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2010	F.Y.B.A.	33	125	158	08	26	34	08	71	79	0	04	04	0	01	01	118	48.48	81.60	74.68
	S.Y.B.A	31	93	124	13	23	36	12	45	57	02	17	19	0	02	02	114	87.09	93.55	91.93
	T.Y.B.A	42	77	119	15	07	22	21	26	47	0	27	27	01	06	07	103	88.09	85.71	86.55
	F.Y.B.Sc.	57	89	146	01	01	02	22	13	35	13	33	46	08	41	49	132	77.19	98.87	90.41
	S.Y.B.Sc.	26	96	122	0	0	0	07	06	13	11	36	47	07	51	58	118	96.15	96.87	96.72
	T.Y.B.Sc.	32	62	94	03	0	03	06	02	08	15	32	47	06	27	33	91	93.75	98.38	96.80

Passing % of Boys and Girls

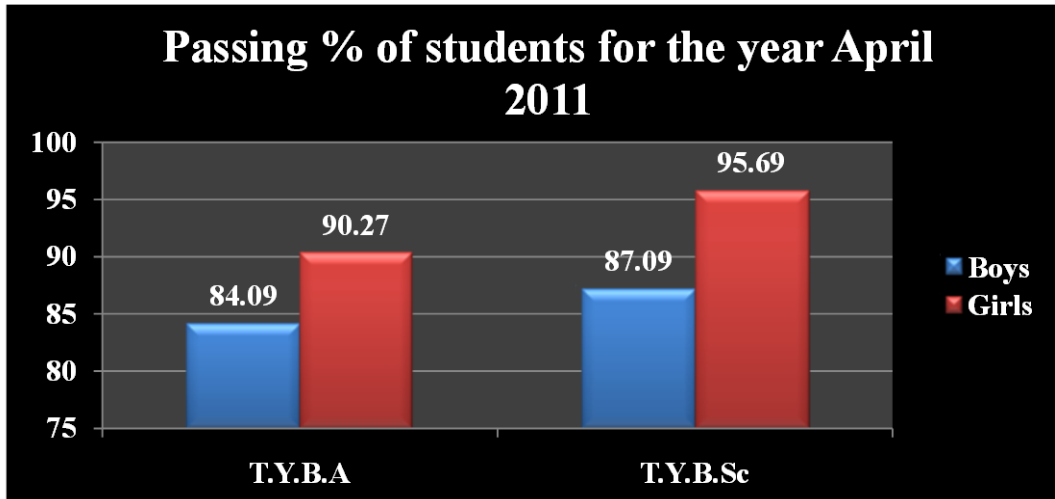


Examination	Class	Appeared			Passed												Pass Percentage				
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total	
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total					
October 2010	T.Y.B.A	01	07	08	0	04	04	0	0	0	0	0	0	0	0	0	0	04	0	57.14	50
	T.Y.B.Sc	09	13	22	03	02	05	0	01	01	0	01	01	0	0	0	0	07	33.33	30.76	31.81

EXAMINATION RESULT 2011

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2011	F.Y.B.A.	46	144	190	3	6	9	4	57	61	2	31	33	0	7	7	110	19.56	70.14	57.90
	S.Y.B.A	34	120	154	13	30	43	8	56	64	0	16	16	0	1	1	124	61.76	85.83	80.51
	T.Y.B.A	29	87	116	10	24	34	8	25	33	4	27	31	1	3	4	102	79.31	90.80	87.93
	F.Y.B.Sc	47	86	133	2	0	2	11	5	16	15	31	46	4	35	39	103	68.08	82.55	77.44
	S.Y.B.Sc	50	85	135	1	0	1	9	4	13	19	33	52	8	46	54	120	74	97.64	88.88
	T.Y.B.Sc	30	98	128	3	7	10	3	1	4	10	34	44	12	51	63	121	93.33	94.89	94.53

Passing % of Boys and Girls

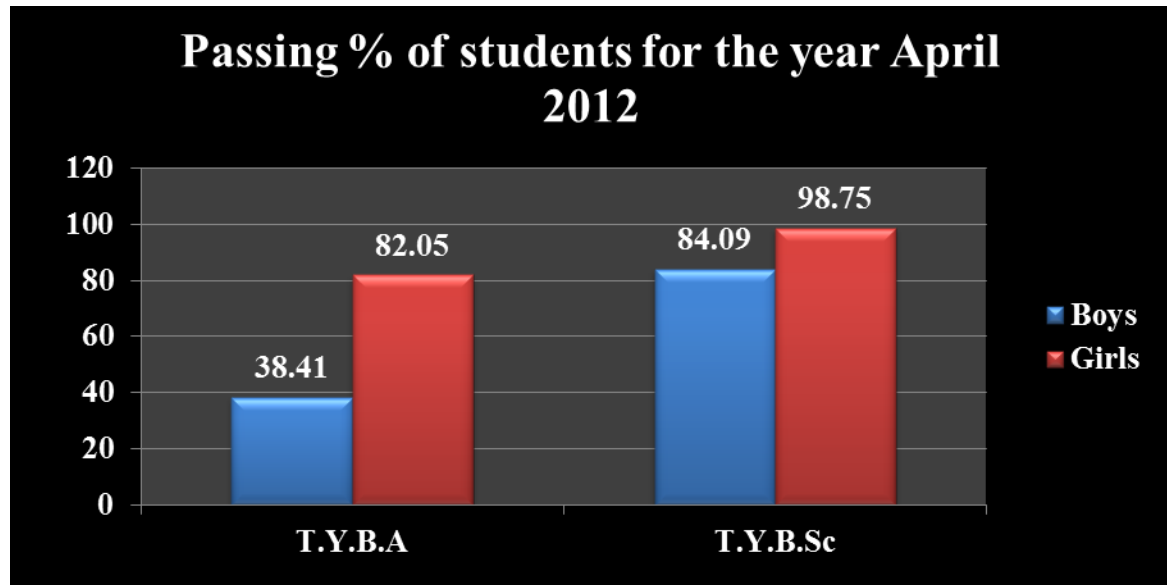


Examination	Class	Appeared			Passed													Pass Percentage			
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total	
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total					
October 2011	T.Y.B.A	01	07	08	0	04	04	0	0	0	0	0	0	0	0	0	0	04	0	57.14	50
	T.Y.B.Sc	09	13	22	03	02	05	0	01	01	0	01	01	0	0	0	0	07	33.33	30.76	31.81

EXAMINATION RESULT 2012

Examination	Class	Appeared			Passed													Pass Percentage		
		Boys	Girls	Total	Pass Class			II Class			I Class			Distinction			Total	Boys	Girls	Total
					Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total				
April 2012	F.Y.B.A.	44	129	173	13	35	48	08	54	62	04	20	24	0	05	05	139	56.81	88.37	80.35
	S.Y.B.A.	29	115	144	17	26	43	07	49	56	02	27	29	0	09	09	137	89.65	91.30	95.14
	T.Y.B.A.	31	117	148	06	18	24	05	51	56	01	24	25	0	03	03	108	38.41	82.05	72.97
	F.Y.B.Sc.	30	73	103	0	0	0	10	12	22	06	28	34	04	32	36	92	66.67	98.63	89.32
	S.Y.B.Sc.	35	79	114	02	0	02	12	06	18	13	22	35	06	50	56	111	94.28	98.73	97.36
	T.Y.B.Sc.	44	80	124	03	06	09	01	0	01	21	31	52	12	42	54	116	84.09	98.75	93.54

Passing % of Boys and Girls





### University Ranks (Arts)

Year	University Ranks				
	Name	Subject	Marks	Percentage	Rank
2004-2005	Priyadarshini Patil	Marathi	580	83	III
2010-2011	Sampada Upadhye	Philosophy/Psychology	580	83	III

### University Ranks (Science)

Year	University Ranks				
	Name	Subject	Marks	Percentage	Rank
Apr 2005	SuharshaSawant	Microbiology	557/700	79.57	I
Apr 2005	TejaGaonkar	Microbiology	553/700	79.00	II
Apr 2005	Siddhi Naik	Microbiology	543/700	77.57	III
Apr 2005	Neha Naik	Physics	575/700	82.14	III
					Gold medalist and First amongst girls from all the subjects from all the colleges
Apr 2006	Ruela D'Silva	Microbiology	559/700	79.85	I
Apr 2006	SheetalManjrekar	Chemistry	609/700	87	I
Apr 2007	SahistaSayyad	Microbiology	586/700	83.71	II

Apr 2007	AppurvaNagvenkar	Microbiology	585/700	83.57	III
Apr 2007	MithilaPatankar	Zoology	516/700	73.71	I
Apr 2009	NamrataPalankar	Microbiology	599/700	85.57	I
Apr 2009	Anita Yadav	Botany	581/700	83	I
Apr 2009	SahyadriSunari	Chemistry	565/700	80.71	III

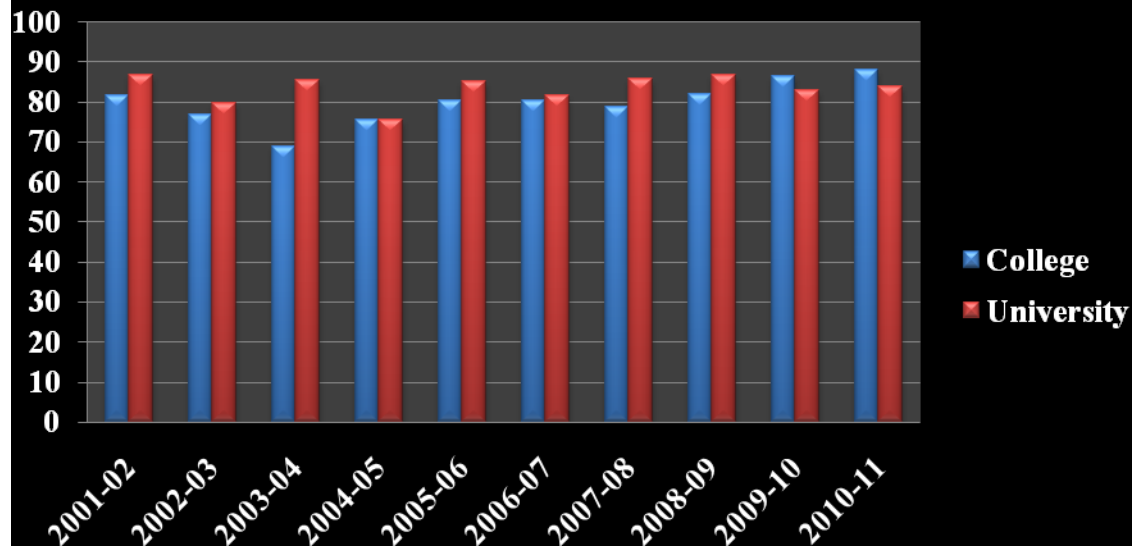
Semester Pattern (2010 Onwards)					
	Name	Subject	Marks	Percentage	Rank
Apr 2010	Sweta Govekar	Physics/Maths	1186/1300	91.23	II  Gold Medalist at State Level in Physics/Maths

Apr 2010	RohiniYadavade	Physics	1089/1300	83.77	II I Gold Medalist and first among girls in Physics
Apr 2011	PrachiBhat	Physics	1075/1300	82.69	I Gold Medalist and first among girls in Physics
Apr 2011	Tabsum B.	Physics/Maths	1072/1300	82.46	I Gold Medalist and first among girls in Physics/Maths

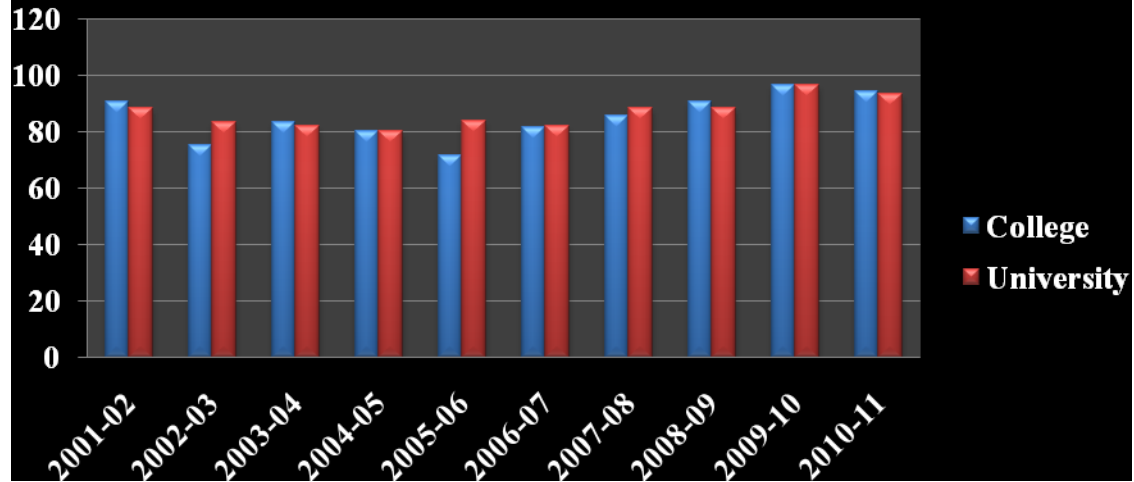
Year	Results			
	Arts		Science	
	University Percentage	College Percentage	University Percentage	College Percentage
Apr2002	86.83	81.57	88.47	90.65
Oct2002	47.36	75	40	25
Apr2003	79.81	76.82	83.54	75.20
Oct2003	53.48	50	47.45	31.81
Apr2004	85.52	68.91	82.38	83.33
Oct2004	---	35.74	50	60
Apr2005	75.58	75.58	80.50	80.50
Oct2005	52.95	43.75	35	14.28
Apr2006	85.15	80.43	84.02	71.76
Oct2006	---	---	43.47	40.62

Apr2007	81.81	80.34		82.08	81.81
Oct2007	---	6.25		---	15.38
Apr2008	85.80	78.77		88.62	85.71
Oct2008	---	28.57		---	53.84
Apr2009	86.83	81.88		88.47	90.65
Oct2009	---	41.66	..	---	30
Apr2010	83.08	86.55		96.80	96.80
Oct2010	---	50		---	31.81
Apr2011	83.93	87.93		93.68	94.53
Oct2011	---	50		---	31.81
Apr2012	---	72.97		---	93.54

## Passing % of College and University results for Arts

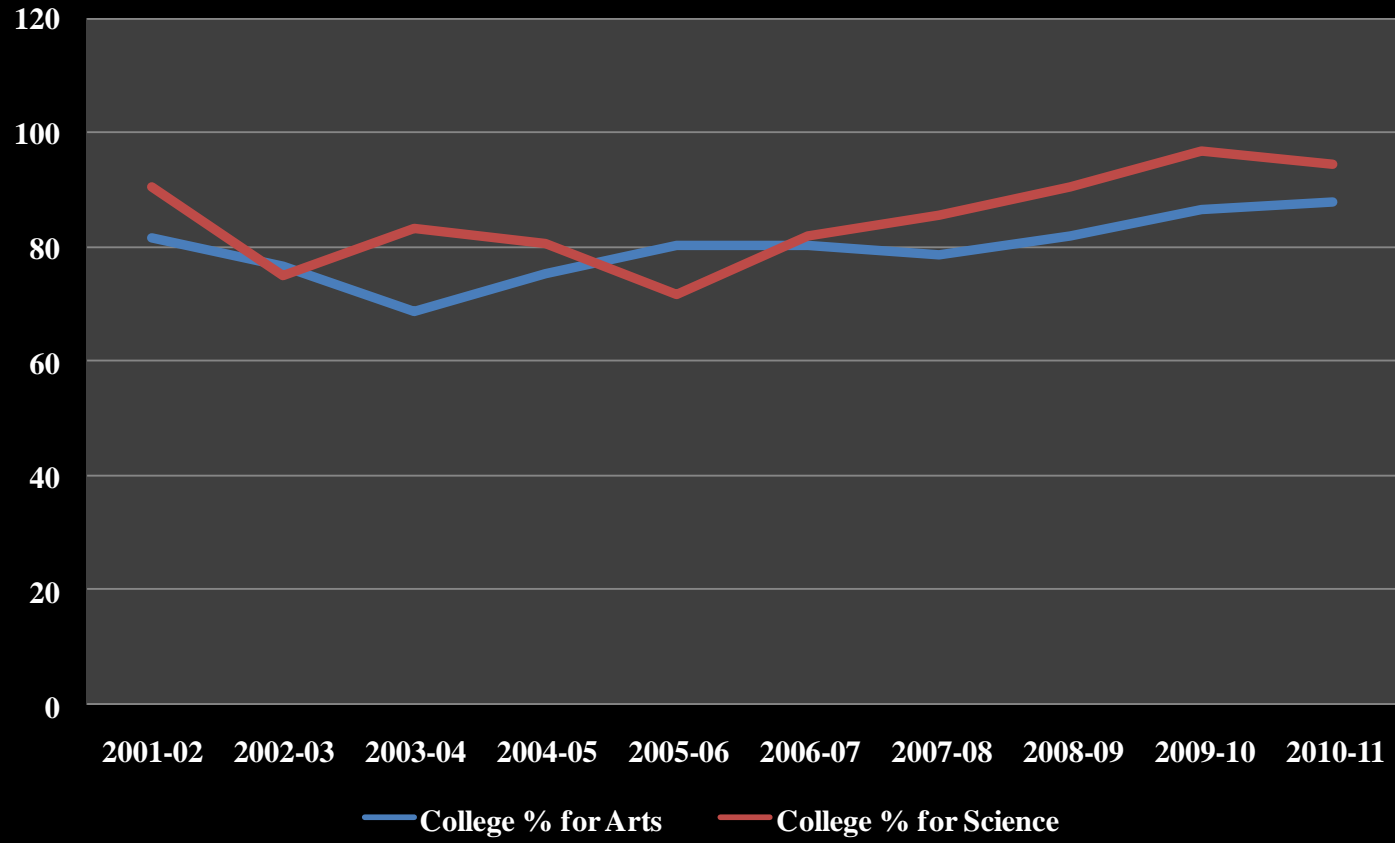


### Passing % of College and University results for Science





## Yearwise Results of Arts and Science



## Annexure - IX

### MINOR AND MAJOR RESEARCH PROJECTS

Nature	Title	Name of the P. Investigators/ Co-investigators	Year of Sanction	Funding Agency	Amount	Status ongoing/ completed
Minor	Translation of the book “Guiding Souls’ by Dr. Abdul Kalam	Mr. Bhushan V. Bhave	2007	Goa Konkani Academy	12,000	Completed
Minor	Translation of the book “Konkani bhash prakriti & parampara (350arathi) into Konkani	Mr. Bhushan V. Bhave	2008	Goa Konkani Academy	12,000	Completed
Minor	A.K. Priolkarache Aprakashit Lalit Lekhan	Dr. Vidya V. Prabhudesai	2009	U.G.C.	30000/-	Completed

Minor	An Impact of Marathi and Konkani on Malavani dialect	Dr. Vidya V. Prabhudesai	2012	U.G.C.	60000/-	Ongoing
Minor	History of Konkani language & literature	Shri. Bhushan V. Bhave	2000	U.G.C.	24000/-	Completed
Minor	Bangladeshi Refugees in India and the issues of Human Rights	Dr. Badruddin	2000	U.G.C.	15000/-	Completed
Minor	Socio-Economic & Political Status of Indian Diaspora	Dr. Badruddin	2007	U.G.C.	80000/-	Completed
Minor	World Philosophies, History and Introduction	Dr. K. R. Kunkolienkar	2004	Goa Konkani Academy	12000/-	Completed
Minor	Philosophy of Physics David	Dr. K. R.	2006	IISR,	90000/-	Completed

	Bohm's Holographic Paradigm	Kunkolienkar		Pune		
Minor	Impact of altered value system on tribal women in Goa	Dr. K. R. Kunkolienkar	2009	U.G.C.	75000/-	Ongoing
Minor	The Portuguese & British colonialism in the Indian sub-content-A comparative study of socio-political & economic aspects	Dr. Varsha V. Kamat	2001	U.G.C.	40000/-	Completed
Minor	A Demographic study of the 20 <sup>th</sup> Century Goa-its socio-economic & religious fallout	Dr. Varsha V. Kamat & Mr. Anil V. Bhandiwad	2007	U.G.C.	75000/-	Completed

Major	An Analysis of Productivity & Efficiency of Seaports	Dr. Jeronimo G. R. Monteiro	2012	U.G.C.	4,35,000/-	Ongoing
Minor	Systematic Chemical investigation of the plant <i>Crewia Microcos</i>	Dr. Anita S. Tilve	1999	U.G.C.	39000/-	Completed
Minor	Spectrophotometer study of complexes by jobs method	Dr. Harsha P. Uskaikar	1999	U.G.C.	50000/-	Completed
Minor	Synthesis & Characterisation of Nanoparticle Mn-Zn mixed ferrites	Dr. Vikas J. Pissurlekar	2007	U.G.C.	69000/-	Completed
Minor	Preparation, Characterisation and Magnetization	Dr. Vikas J. Pissurlekar	2012	U.G.C.	1,70,000/-	Completed

	studies of some soft Ultrafine mixed metal ferrites					
Minor	Systematic Investigation of <i>Bassella alba</i>	Mrs. A. B. Kanolkar & Dr. Anita S. Tilve	2008	DST, Goa	1,10,000/-	Completed
Minor	Systematic Investigation of <i>Portileca oleracea</i>	Mrs. A. B. Kanolkar & Dr. Anita S. Tilve	2008	U.G.C.	1,18,000/-	Completed
Minor	Synthesis and characterization of polymericnanocomposites	Dr. Harsha P. Uskaikar	2009	U.G.C.	2,00,000/-	Completed
Minor	Preparation, characterisation and study of electrical & Magnetic properties of Mn-	Dr. Satish H. P. Keluskar	2002	U.G.C.	40000/-	Completed

	Zn ferrite prepared by nitrilotriacetate precursor method					
Minor	Value-Distribution of solutions of Painleve-Differential equations	Dr. M. N. Kulkarni	2008	U.G.C.	35000/-	Completed
Minor	Conservation of sweet water bodies of Ponda and Tiswadi Talukas of Goa	Dr. Sima V. Kamat	1989	W.W.F. Goa	15000/-	Completed
Minor	Survey and documentation of Medicinal plants of Goa and their uses	Dr. Sima V. Kamat	1994	W.W.F. Delhi	15000/-	Completed
Minor	Bio-ecological studies on	Dr. Sima V.	1999	U.G.C.	10000/-	Completed

	macrophytes wetlands of Goa	Kamat				
Minor	Managing, monitoring & measuring the sustainability of coastal dimension	Dr. Kasturi N. Desai	1999	University of Truste, Italy Consultancy	\$10000	Completed
Minor	Algal biodiversity of the wetlands of Goa	Dr. Sima V. Kamat	2001	U.G.C.	30000/-	Completed
Minor	Fungal diversity of fresh water wetlands of Goa	Dr. Sima V. Kamat	2010	U.G.C.	1,50,000/-	Completed
Major	Eutrophication of some fresh water bodies of Goa	Mrs. Ranjita U. Savaikar & Dr. Sima V. Kamat	2010	U.G.C.	8,35,000/-	Completed
Major	Comprehensive & comparative and study of the impact of	Dr. S. H. Bhosale, Dr. A. V. Deshpande &	1992	DST & E, Goa	73800/-	Completed



	Monoculture Afforestation on the Native Environment of Goa	Dr. P. Bhattacharya				
Minor	Insect species diversity in Ponda Goa	Dr. S. H. Bhosale	1999	U.G.C.	40000/-	Completed
Minor	Studies on bio-efficacy of few entomogenous fungi from Goa against Anopheles stephensi, culex quinque fasciatus and Aedes aegypti	Dr. Deeparani K. Prabhu & Dr. S. H. Bhosale	2004	U.G.C.	30000/-	Completed
Minor	Checklist of birds from college campus. Farmagudi-	Dr. S. H. Bhosale & Mrs. Teja A. Gramopadhye	2006	GSCS&T and DST&E, Goa	2000/-	Completed

	Ponda					
Minor	Distribution of Micro-Arthropods in the college campus, Farmagudi, Ponda	Dr. S. H. Bhosale & Ms. Deepa Fernandes	2007	GSCS&T and DST&E, Goa	2000/-	Completed
Minor	Bio-diversity of soil dwelling microarthropods of Goan Mangroves	Dr. S. H. Bhosale & Ms. Deepa Fernandes	2009	U.G.C.	1,40,000/-	Completed
Minor	Ant faunal diversity in Bondla wildlife sanctuary Goa.	Mrs. Teja A. Gramopadhye & Dr. S. H. Bhosale	2009	U.G.C.	1,35,000/-	Completed
Minor	A Cirtical Review of the management efforts in the marine commercial landings in	Shri. G. P.P. Khanolkar	2013	ICSSR	1,00,000/-	Ongoing

	Malvan Dist. Sindudurg of Maharashtra with special reference to the role of fisherman Co-op Societies.					
Minor	Bio-diversity of Alkaliphiles in natural & manmade alkaline environments in Goa	Dr. Sunita Borkar	1999	U.G.C.	34000/-	Completed
Minor	Development of appropriate technology for production of wines from locally grown tropical fruits	Dr. Carolina F. E. Fernandes	2000	U.G.C.	32000/-	Completed
Minor	Siderophore producing	Dr. Sunita Borkar	2008	U.G.C.	1,00,000/-	Completed

	alkalipids and halophiles from marine and coastal ecosepherem					
Minor	Exopolysaccharides from hypersaline habitats	Dr. Carolina F. E. Fernandes & Dr. Sunita Borkar	2009	U.G.C.	2,00,000/-	Completed
Major	Studies on phosphate solubilizing halophiles and alkaliphiles from marine and coastal ecosystems as potentiation biofertilizers for saline soils	Dr. Sunita Borkar & Dr. Carolina F. E. Fernandes	2009	M.O.E.S.	11,87060/-	Completed

## Annexure - X



**Annexure – XI - List of Computers/Laptops/Printers**

<b>SR NO</b>	<b>LOCATION</b>	<b>COMPUTER NO</b>	<b>PRINTER NO</b>	<b>OPERATING SYSTEM INSTALLED</b>
1	IT DEPT	PES/COL/COMP 1	PES/COL/ PRINTER 1	WINDOWS SERVER 2008 ENTERPRISE
2	IT DEPT	PES/COL/COMP 2		WINDOWS XP PROFESSIONAL
3	IT DEPT	PES/COL/COMP 3		WINDOWS XP PROFESSIONAL
4	IT DEPT	PES/COL/COMP 4		WINDOWS XP PROFESSIONAL
5	IT DEPT	PES/COL/COMP 5		WINDOWS XP PROFESSIONAL
6	IT DEPT	PES/COL/COMP 6		WINDOWS XP PROFESSIONAL
7	IT DEPT	PES/COL/COMP 7		WINDOWS 7

8	IT DEPT	PES/COL/COMP 8		WINDOWS 7
9	IT DEPT	PES/COL/COMP 9		WINDOWS XP PROFESSIONAL
10	IT DEPT	PES/COL/COMP 10		WINDOWS XP PROFESSIONAL
11	IT DEPT	PES/COL/COMP 11		WINDOWS XP PROFESSIONAL
12	IT DEPT	PES/COL/COMP 12		WINDOWS 7
13	IT DEPT	PES/COL/COMP 13		N COMPUTING MACHINE
14	IT DEPT	PES/COL/COMP 14		N COMPUTING MACHINE
15	IT DEPT	PES/COL/COMP 15		N COMPUTING MACHINE
16	IT DEPT	PES/COL/COMP 16		N COMPUTING MACHINE
17	IT DEPT	PES/COL/COMP 17		N COMPUTING MACHINE

18	IT DEPT	PES/COL/COMP 18		N COMPUTING MACHINE
19	IT DEPT	PES/COL/COMP 19		N COMPUTING MACHINE
20	IT DEPT	PES/COL/COMP 20		N COMPUTING MACHINE
21	IT DEPT	PES/COL/COMP 21		N COMPUTING MACHINE
22	IT DEPT	PES/COL/COMP 22		N COMPUTING MACHINE
23	IT DEPT	PES/COL/COMP 23		WINDOWS 7 PROFESSIONAL
24	IT DEPT	PES/COL/COMP 24		WINDOWS 7 PROFESSIONAL
25	IT DEPT	PES/COL/COMP 25		WINDOWS 7 PROFESSIONAL
26	IT DEPT	PES/COL/COMP 26		WINDOWS 7 PROFESSIONAL



27	IT DEPT	PES/COL/COMP 27		WINDOWS 7 PROFESSIONAL
28	IT DEPT	PES/COL/COMP 28		WINDOWS 7 PROFESSIONAL
29	IT DEPT	PES/COL/COMP 29		WINDOWS 7 PROFESSIONAL
30	IT DEPT	PES/COL/COMP 30		WINDOWS 7 PROFESSIONAL
31	IT DEPT	PES/COL/COMP 31		WINDOWS 7 PROFESSIONAL
32	IT DEPT	PES/COL/COMP 32		WINDOWS 7 PROFESSIONAL
33	IT DEPT	PES/COL/COMP 33		WINDOWS 7 PROFESSIONAL
34	IT DEPT	PES/COL/COMP 34		WINDOWS 7 PROFESSIONAL
35	IT DEPT	PES/COL/COMP 35		WINDOWS 7 PROFESSIONAL

36	IT DEPT	PES/COL/COMP 36		WINDOWS 7 PROFESSIONAL
37	IT DEPT	PES/COL/COMP 37		WINDOWS 7 PROFESSIONAL
38	IT DEPT	PES/COL/COMP 38		WINDOWS 8
39	STAFF ROOM	PES/COL/COMP 39		WINDOWS XP PROFESSIONAL
40	BOTANY DEPT	PES/COL/COMP 40	PES/COL/PRINTER 2	WINDOWS XP PROFESSIONAL
41	BOTANY DEPT	PES/COL/COMP 41	PES/COL/PRINTER 3	WINDOWS 7 HOME BASIC
42	CHEMISTRY DEPT	PES/COL/COMP 42	PES/COL/PRINTER 4	WINDOWS XP PROFESSIONAL
			PES/COL/PRINTER 5	
43	OFFICCE	PES/COL/COMP 43	PES/COL/PRINTER 6	WINDOWS XP PROFESSIONAL
44	OFFICCE	PES/COL/COMP 44	PES/COL/PRINTER 7	WINDOWS XP PROFESSIONAL

45	OFFICCE	PES/COL/COMP 45		WINDOWS XP PROFESSIONAL
46	OFFICCE	PES/COL/COMP 46		WINDOWS XP PROFESSIONAL
47	OFFICCE	PES/COL/COMP 47	PES/COL/PRINTER 8	WINDOWS 7
			PES/COL/PRINTER 9	
48	OFFICCE	PES/COL/COMP 48	PES/COL/PRINTER 10	WINDOWS XP PROFESSIONAL
49	EXAM SECTION	PES/COL/COMP 49	PES/COL/PRINTER 11	WINDOWS XP PROFESSIONAL
50	EXAM SECTION	PES/COL/COMP 50		WINDOWS 7
51	EXAM SECTION	PES/COL/COMP 51		WINDOWS XP PROFESSIONAL
52	EXAM SECTION	PES/COL/COMP 52		WINDOWS XP PROFESSIONAL
53	MICROBIOLOGY DEPT	PES/COL/COMP 53	PES/COL/PRINTER 12	WINDOWS XP PROFESSIONAL

54	MICROBIOLOGY DEPT	PES/COL/COMP 54		WINDOWS 7
55	MICROBIOLOGY DEPT	PES/COL/COMP 55	PES/COL/PRINTER 13	WINDOWS 7
56	ZOOLOGY DEPT	PES/COL/COMP 56	PES/COL/PRINTER 14	WINDOWS XP PROFESSIONAL
57	ZOOLOGY DEPT	PES/COL/COMP 57	PES/COL/PRINTER 15	WINDOWS 7
58	PHYSICS DEPT	PES/COL/COMP 58	PES/COL/PRINTER 16	WINDOWS 7
59	LIBRARY	PES/COL/COMP 59	PES/COL/PRINTER 17	WINDOWS 7
60	LIBRARY	PES/COL/COMP 60		WINDOWS 7
61	NAC ROOM	PES/COL/COMP 61	PES/COL/PRINTER 18	WINDOWS 7
62	NAC ROOM	PES/COL/COMP 62		WINDOWS 7
63	PHYSICOLOGY DEPT	PES/COL/COMP 63	PES/COL/PRINTER 19	WINDOWS 7
64	MATHS DEPT	PES/COL/COMP 64		WINDOWS 7
65	ENGLISH DEPT	PES/COL/COMP 65		WINDOWS 7

**Annexure XII Achievements of the students in Co-curricular / cultural activities from 2001-2002 to 2013- 2014**

Date	Name of the student/ team members	Class	Event/ competition/ programme	Organized by	Achievements(Prizes/ Awards)
<b>ACADEMIC YEAR 2002-2003</b>					
2002-03	Mr. Shivprasad Mungeri Ms. Lynette Alvares Ms. Shobha Naik Mr. Rahul Chaugule Mr. Sameer Gaude Mr. Sarita Naik		All Goa Intercollegiate Skit Play competition	Govt. College Pernem	First Place
2002-03	Ms. Shahim Badesab		All Goa Intercollegiate Skit Play competition	Govt. College Pernem	Best Director
8 <sup>th</sup> Feb 2003	Ms. Rekha Chauhan		Solo singing competition	Shree Damodar College of Commerce & Economics	Not Available

2002-03	Mr. Vilas Dessai Mr. Darshan Samant Mr. Deepak Jaryal		Intercollegiate Quiz competition	Directorate of Students Welfare & Culture affairs Goa University	Second Place
26 <sup>th</sup> Sept. 2002	Ms. Supriya Jan		Elocution competition	Directorate of Youth Affairs	Not Available
Ist Aug 2003	Ms. Supriya Jan	S.Y.B.A	State Level Elocution competition	Pipalkatta Ganeshotsav Mandal Trust	Third Place
15 <sup>th</sup> Sep. 2003	Mr. Parind Phadte Mr. Nilesh Zore Ms. Supriya Jan	S.Y.B.A S.Y.B.A S.Y.B.A	All Goa Intercollegiate Vishwanath Lawande Memorials Quiz Competition on History Of Goa		First Place
21 <sup>st</sup> to 27 <sup>th</sup> Sep	Ms. Anisha Pai Ms. Supriya Jan Mr. Deepak Jaryal	S.Y.B.S.C S.Y.B.A S.Y.B.S.C	Elocution competition during LIONS week	LIONS Club of Ponda	First Place Second Place Consolation

2003					
21 <sup>st</sup> to 27 <sup>th</sup> Sep 2003	Ms. Pradnya Chari Ms. Deepmala Kolhal Mr. Ramnath Chari	S.Y.B.A S.Y.B.A S.Y.B.S.C	Rangoli Competition during LIONS week	LIONS Club of Ponda	First Place First Place Third Place
28 <sup>th</sup> to 20 <sup>th</sup> Oct 2003	Mr. Udesch natekar Mr. Mandar Jog Ms. Supriya Jan	Phy. Dept. F.Y.B.A S.Y.B.A	One act play Competition	Alpha TV Channel of Zee Tele films	Best set certificate for Acting
Nov 2003	Ms. Pradnya Chari	S.Y.B.A	Painting Competition	Pillar Theological College Pillar	Consolation
6 <sup>th</sup> Dec 2003	Mr. Mukund Narvekar Mr. Sameer Gaude Mr. Amay Naik Mr. Kavlekar Mr. Keshav Jonnalgadda Ms. Jaya Naik Ms. Rekha Chauhan		All Goa Intercollegiate Skit Play competition	Govt. College Pernem	First Place

13 <sup>th</sup> Dec 2003	Ms. Prajakta Joshi	F.Y.B.A	Late Balkrishna Sawardekar Elocution competition	Gomantak Marathi Bhasa Parishad Goa	Second Place
12 <sup>th</sup> to 14 <sup>th</sup> Dec 2003	Ms. Supriya Jan	S.Y.B.A	Essay Competition	Pratibha Sagam Literacy meet 2003 of Youth	Second Place
<b>ACADEMIC YEAR 2004-2005</b>					
13 <sup>th</sup> Jan 2004	Ms. Pradnya Chari Ms. Deepmala kolhal	S.Y.B.A S.Y.B.A	Intercollegiate Rangoli competition	Shri Malikaarjun College of Arts & Science, Canacona	First Place
14 <sup>th</sup> Jan 2004	Ms. Pradnya Chari Ms. Smita Vernekar	S.Y.B.A S.Y.B.A	Intercollegiate Flower arrangement competition	G.V.M's Govind raiturkar College of Commerce & Economics Ponda	First Place
26 <sup>th</sup> Jan 2004	Mr. Abhijit Naik Mr. Deepak Jaryal	T.Y.B.A S.Y.B.S.C	IXth Kavya Sandhya	Smt. Parvatibai Chougule college of Arts & Science Margao	Consolation in Konkani Third Place in Hindi
28 <sup>th</sup> Jan 2004	Ms. Gayetri Bhamaikar	F.Y.B.A	Dance Competition	Tilarinagar Belgaum	Second Place



July 2004	Ms. Priyadarshani Patil	T.Y.B.A	Essay Competition (State Level)	Gomantak Marathi Academy Panaji	First Place
5 <sup>th</sup> Jan 2005	Ms. Supriya Jan	T.Y.B.A	Intercollegiate Essay competition title Vision of Goa 2020	Dept. of Political Science Goa University	First Place
8 <sup>th</sup> Jan 2005	Mr. Mandar Jog Mr. Shivprasad Mungeri	S.Y.B.A T.Y.B.A	One act play Competition “Amachasathi amhich”	Kala Academy Panaji	Second Place Acting Consolation for Acting
21 <sup>st</sup> Jan 2005	Mr. Udeshe natekar Mr. Siddhesh Borkar Mr. Shivprasad Mungeri	Phy. Dept.  T.Y.B.A	“Amachasathi amhich”	Mahalaximi Yuvak sangh Talaolim.	First Place for Direction First Place for Music Second Place Acting
20 & 21 Sept. 2005	Poorna B. Korde Ashwini Kapleshwarkar	S.Y.B.S.C	Two days State Level Theatre Workshop	G.V.M’s College oo Commerce & Economics	
6 Dec 2005	Deepak Pardasani Deepraj Prabhu	T.Y.B.S.C	Quiz Competition	ICFAI Margao Goa	Second Runners Up

16 Dec 2005	Deepali Naik	T.Y.B.A	XV Annual Kavi Sammelan 205	C.E.S. College of Arts & Commerce	First Place
2005	Ramkrishna Gaude Tanoj Gaude Laxmikant gaude Shailesh Gaude Somnath Gaude Ajay Gaude Divesh satarkar Vithal Satarkar Vaibhav khandeparkar Ashish Verekar Gitesh Kurtikar M.M. Zenno Sanket Dessai Deepak Kerkar Sunder Patil Amey Kadekar Chandan Velingkar	College Participated	a) Yuva Mohatsav Ghode Madani b) Folk Dance Competition Ghode Madani	Directorate of Youth Affairs. Government of Goa college of Arts , Science & Commerce khandola.	First Place  First Place
28 Dec 2005	Vijeta Naik Ambali Nagarshekar	College Participated	One act play “SWAPN”	Kala Academy	First Place for Acting Second Place Play

	Ashwini Kapleshwarkar Sanketa Dessai Gayatri Ghatwal Ajay Gaude Aparna Gaoukar Chetan Naik Deepali Korde Gajanan Naik Eknath Naik Ashok kurpaskar				
28 Dec 2005	Vijeta Naik Eknath Naik	College Participated	One act play “SWAPN	Mahalaxmi Yuvak Sangh Talaulim	First Place for Acting Second Place Play
29 Dec 2005	P.E.S S.R.N.S College of Arts & Science		One act play competition	Kala Academy	Second Place
13 Jan 2006	Siddhi Keshav Pai	S.Y.B.S.C	Fancy Dress	N.S.S unit of C.E.S. College of Arts & Commerce	Third Place
16 Jan 2006	Siddhi Keshav Pai	S.Y.B.S.C	Intercollegiate Monolog Comp.	M.E.S. College of Arts & Commerce Zuarinagar	First Place

2006	Pooja Naik	S.Y.B.S.C	Intercollegiate Bhargeet singing competition	G.V.M's College oo Commerce & Economics	First Place
25 Jan 2006	Deepali Naik	T.Y.B.A	Late Shankar Lamani Memorial Poetry	Goa University	Second Place
25 Jan 2006	Deepali Naik	T.Y.B.A	Intercollegiate Poetry competition	Smt. Parwati Bai Chougule cultural foundation college of Arts & Science Margao	Second Place
26 Jan 2006	Gayetyri Ghatwal	S.Y.B.S.C	Solo Singing Competition	Govt. College Quepem	First consolation
2 Feb 2006	Pooja Naik	S.Y.B.S.C	Marathi Intercollegiate Bhargeet singing competition	Vividha Co- oprative Socioety navelim	First Place
	Pooja Naik	S.Y.B.S.C	Raga Kedar in 'Girijati' Kelrkar Smruti Sammelan	Farmangudi Ponda	
2 Feb 2006	Yashashree Deshpande	S.Y.B.S.C	Marathi Intercollegiate Bhakti geet competition	Vividha Co- oprative Socioety navelim	First Place

<b>ACADEMIC YEAR 2006-2007</b>					
2006	Akhila Praphudessai	F.Y.B.S.C	Poetry writing competition	Mallika prakashan	Consolation Prize
13 Aug. 2006	Gayetyri Ghatwal	S.Y.B.S.C	Marathi bhavgeet competition	Vodli Sports & cultural association Bicholim	Third Place of Rs. 500/-
15 Aug 2006	Pooja Naik Mithila Palankar Deepali Korde Poorna Korde Sidhi Pai Ashwini Kapleshwarkar Neha Prabhu Sanket dessai Ajay Gaude Yashashree Deshpande Sagar gaude Gurudas Palkar	T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C	Patriotic Singing Competition	Bandora Youth Club	First Place
Sept. 2006	Sidhi Pai	T.Y.B.S.C	Best out of waste competition	Ponda JC Club	First Place
23 Oct	A.P.V Sanoop	S.Y.B.S.C	Essay Competition	BARC at	Consolation Prize &

2006				Trombay	Merit Certificate
2 dec 2006	Gayetyri Ghatwal	S.Y.B.S.C	Abhang Gayan	Govt. College Khandola	Second Place
2 dec 2006	Deepali Naik	T.Y.B.A	Konkani kavya jagar	Govt. College Khandola	First Place
22 dec 2006	Sidhi Pai	T.Y.B.S.C	Monolog competition	Zantye College Bicholim	First Place
22 dec 2006	Pooja Raikar	S.Y.B.S.C	Poster competition	Zantye College Bicholim	First Place
14 Jan 2007	Ajay Gaude Tanoj Gaude M.M. Zenno	T.Y.B.S.C T.Y.B.S.C T.Y.B.S.C	Yuva Mohatsav	BPS Club Margao	First Place
16 Jan 2007	Ramkrishna Gaude Deepak Kerkar Gitesh Kurtikar	T.Y.B.S.C S.Y.B.S.C T.Y.B.S.C	Folk Dance Competition	Rosary College navelim	First Place
18 Jan 2006	Deepali Naik	T.Y.B.A	Konkani Poem	Cuncoim . College	First Place
18 Jan 2007	Sidhi Pai	T.Y.B.S.C	Fancy dress competition	Cuncoim College	First Place
18 Jan 2007	Akhila Praphudessai	S.Y.B.S.C	Marathi Essay writing competition	Kinara Prakashan vasco	First Place
18 Jan 2007	Akhila Praphudessai	S.Y.B.S.C	Hindi Poetry competition	Smt. Parwati Bai Chougule cultural	First Place

				foundation college of	
19 Jan 2007	Pooja Raikar	S.Y.B.S.C	Poster competition for National youth week	Zantye College Bicholim	Second Place
<b>ACADEMIC YEAR 2007-2008</b>					
Aug. 2007	Shrikant Chari Divesh Satarkar Ramchandra Mahale Gayetyri Ghatwal Sneha Agadi Pragati Bakhale Visranti mansure Sneha Naik Ghansham naik Chinmay gaisas Rishikesh Phadte		Patriotic Singing Competition	Yuva De Goa Margao	First Place
Aug. 2007	Shrikant Chari Divesh Satarkar Ramchandra		Patriotic Singing Competition	Bandore youth club	First Place rolling shield & Rs. 1001/-

	Mahale Gayetyri Ghatwal Sneha Agadi Pragati Bakhale Visranti mansure Sneha Naik Ghansham naik Chinmay gaisas Rishikesh Phadte				
2007-08	Akhila Praphudessai Abhijit Kavlekar	T.Y.B.S.C T.Y.B.S.C	Quiz competition	Monginis Ponda	Third place
2007-08	Akhila Praphudessai	T.Y.B.S.C	Poetry writing competition	Daily Gomantak	First Place poem published in diwaki issue of their magazine
2007-08	Gayetyri Ghatwal Chinmay gaisas	T.Y.B.S.C F.Y.B.A	Intercollegiate light music competition	Samrat club international	
2007-08	Pratima Naik	T.Y.B.S.C	Essay Competition	ICFAI Margao	Consolation Place
2007-08	Vimal Phadte	T.Y.B.S.C	Rangoli Competition	JC Ponda	First Place
2007-	Akhila	T.Y.B.S.C	Hindi Poetry	Cuncoilm College	First Place



08	Praphudessai		recitation		
2007-08	Akhila Praphudessai	T.Y.B.S.C	Hindi Poetry recitation	S.P. Chowgule College	First Place
2007-08	Swapnil shetkar Vardhan Sahkari Niraj Dhamaskar Praful Giri Snehal Naik Shradha Barve Shrutika Hasbe Sumedas Patil Rahul Mardholkar		One Act Play	Sakal Karandak Group Panaji	Third Place
2007-08	Swapnil shetkar Vardhan Sahkari Niraj Dhamaskar Praful Giri Snehal Naik Rahul Mardholkar Avdut Naik		One Act Play	Vetaleshwar Karandak Veling	First Place for acting
2007-08	Swapnil shetkar Vardhan Sahkari Niraj Dhamaskar		One Act Play	Kala Academy Panaji	Third t Place of Rs. 1500/-

	Praful Giri Snehal Naik Rahul Mardholkar Avdud Naik				
2007-08	Swapnil shetkar Vardhan Sahkari Niraj Dhamaskar Praful Giri Snehal Naik Rahul Mardholkar Avdud Naik		One Act Play	Mahalximi Yuvak Sang Talaulim	First Place of Rs.5000/- & rolling Trophy
2007-08	Swapnil shetkar Vardhan Sahkari Niraj Dhamaskar Praful Giri Snehal Naik Rahul Mardholkar Avdud Naik		One Act Play	Kalavishkar Neura	Third Place of Rs. 2000/- & trophy
22 Dec 2007	Chandan Velingkar Divesh satarkar Premnath Kerkar	T.Y.B.S.C S.Y.B.S.C T.Y.B.A	Yuva Mohatsav	Zantye College Bicholim	First Place

<b>ACADEMIC YEAR 2008-2009</b>					
15 Aug 2008	Chinmay Ghaisas Sanat phadte Snehal Naik Pragati Bakhale Sneha Angadi Vishranti Mansure Jeetesh Naik Ganesh Karlekar Priyanka Shetkar	College Participants	State level Patriotic singing competition	Bandore youth club	First Place
2008- 09	Chinmay Ghaisas Sanat phadte Snehal Naik Pragati Bakhale Sneha Angadi Vishranti Mansure Jeetesh Naik	College Participants	Hindi skit competition	Govt. College Pernem	Second Place

	Ganesh Karlekar Priyanka Shetkar				
30 Aug 2008	Chinmay Ghaisas Sanat phadte Snehal Naik Pragati Bakhale Sneha Angadi Vishranti Mansure Jeetesh Naik Ganesh Karlekar Priyanka Shetkar	College Participants	Patriotic singing competition	Yuva De Goa Margao	Second Place
2008 - 09	Chinmay Ghaisas	S.Y.B.A	History Quiz Competition	V.N. Lawande Memorials Porvorim	Participation
2008- 09	Chinmay Ghaisas	S.Y.B.A	Intercollegiate light singing competition	Dadar Matunga Cultural Center Mumbai	Participation
2008- 09	Chinmay Ghaisas	S.Y.B.A	Marathi play “Antarmukhi”	Sakaal Karandak Ekankika spardha- 2008	Certificate of appreciation
2008 2009	Chinmay Ghaisas Sampada Upadhye Sanatkumar Phadte Krishna Thotekar	College Participant	Marathi play “Antarmukhi”	Sakaal Karandak Ekankika spardha- 2008	

	Ameera Shinde Chetan Borkar				
23 Jan 2009	Chinmay Ghaisas Sampada Upadhye	S.Y.B.A S.Y.B.A	History Quiz	Youth Hostel Association of India Margao	Participation
<b>ACADEMIC YEAR 2009-2010</b>					
2009	Students	S.Y.B.Sc	Biannual “ Mayur”	PES SRN’s College of Arts and Science	Participation
2009	“	B.Sc Botany	Wall Paper “ Pravardhana”	PES SRN’s College of Arts and Science	Participation
2009	Ms. Sonia Gaunekar Ms Ashwini Toraskar	T.Y.B.Sc Microbiology	Cooking competition using microbial products	PES SRN’s College of Arts and Science	1 <sup>st</sup> Place
15 Sept 2009	Mr. Chinmay Ghaisas Mr. Balaji Shenvi Mr. Dattaraj Parab (all history students)	B.A	Participated in the All Goa Vishwanath Lawande Quiz Competition on “ Goa’s Freedom Struggle”		Participation

24 <sup>th</sup> Jan 2010	Mr. Balaji Shenvi	B.A	Participated in Assessing knowledge text (history) in the Konkani language	Fr. Agnel College	Participation
2009	Mr. Balaji Shenvi	B.A	Participated in the All Goa Vishwanath Lawande Quiz Competition	-	Participation
2009	Mr. Balaji Shenvi	B.A	Attended National Seminar on “Dayanand Bhandarkar and his ideas”	IIA’s Shimla and Department of Political Science at Goa University	Participation
15 <sup>th</sup> Sept 2009	Mr. Chinmay Ghaisas	B.A (Marathi)	All Goa Vishwanath Lawande Quiz Competition	--	Participation
2009	Ms. Bharati Kavlekar and Ms. Apoorva Gaonkar	B.A (Marathi)	Published poems in the daily “Gomantak”	--	--
2009	Mr. Chinmay	B.A (Marathi)	Quiz Competition	Sadhana Weekly	1 <sup>st</sup> Prize

	Ghaisas and Ms. Bharti Kavlekar				
2010	Students	B.A (Marathi)	“ Vangmay Mandals Programme”	--	Participation
2010	Students	B.A (Marathi)	“ Parikrama” the wallpaper	PES SRN’s College of Arts and Science	Participation
2009	Mr.Gauraj Talaulikar Ms. Shreenisha Naik Ms. Poonam Naik	B.A (Konkani)	Various Competitions	–	Participation
<b>ACADEMIC YEAR 2010-2011</b>					
2010	Mr. Mohanlal Bisnoi, Mr. Dattaraj Parab and other students	B.A (Economics)	National level event “ ECOFEST”	M.E.S College	Participation
2010	Students	B.A (Philosophy)	Youth Camp on life skills	Sri. Arabindo Society	Participation
2011	Students	B.A (Marathi)	“ Parikrama” the wallpaper	PES SRN’s College of Arts	Participation

				and Science	
2011	Students	B.Sc (Botany)	“Pravardhan” the wallpaper	PES SRN’s College of Arts and Science	Participation
2011	Students	B.Sc (Zoology)	“Mayur” the wallpaper	PES SRN’s College of Arts and Science	Participation
2010- 2011	“	B.A/B.Sc	First All Goa Inter Collegiate Debate Competition for the SESA Goa Shield	Govt. College of Arts, Science and Commerce	Participation
2010- 2011	“	“	21 <sup>st</sup> All Goa National Integration Song Competition	Bandora Youth Club	Participation
2010- 2011	“	“	All Ponda Taluka level Patriotic Singing Competition	JCI Ponda ZoneXI	3 <sup>rd</sup> Prize
2010- 2011	“	“	4 <sup>th</sup> All Goa Intercollegiate Patriotic Singing Competition “ Rang de Basanti-2010”	Yuva de Goa Social,Cultural and Sports Organization	Participation



2010-2011	“	“	Essay competition on “Drug Abuse”	Dr. P.S Ramani Medical Foundation, Shantinagar, Ponda	Participation
2010-2011	“	“	6 <sup>th</sup> All Goa Flower Arrangement Competition	Dyan Prasarak Mandals’s College of Arts and Science, Assagao	Participation
2010-2011	“	“	1 day state level theatre workshop “Rang Sadhana”	GVM’s Gopal Govind Poy Raiturcar’s College of Commerce and Economics	Participation
2010-2011	“	“	Greeting Cards design competition	Bal- Bhavan	Participation
2010-2011	“	“	Dempo-Biz Quest	S.S Dempo College of Commerce and Economics	Participation
2010-2011	“	“	All Goa U.N Bene General knowledge	State Museum Hall, Patto,	2nd Prize

			Quiz Competition	Panjim	
2010-2011	“	“	Inter Collegiate Elocution competition	GVM’s Gopal Govind Poy Raiturcar’s College of Commerce and Economics	Participation
2010-2011	“	“	“ Green Concert”- Skit Competition	Carmel College of Arts Commerce and Science, Nuvem, Salcete, Goa	
2010-2011	Ms. Sampada M. Upadaya	T.Y.B.A	Inter collegiate Light Music Singing Competition	Dadar Sanskruti Kendra and Samrat Club Margao	Consolation Prize
2010-2011	Mr. Balaji Shenvi	T.Y.B.A	All Goa Quiz Competition on Goa’s Freedom Struggle	Lawande Memorial Trust, Porvorim	Participation
2010-2011	Mr. Balaji Shenvi	T.Y.B.A	Translator Orientattion Programme	G.V.M’s S.N.J.A Higher Secondary School, Farmagudi	Participation

2010-2011	Mr. Balaji Shenvi	T.Y.B.A	Inter Collegiate Quiz competition	Goa State Museum Panjim	3 <sup>rd</sup> Prize
2010-2011	Mr. Balaji Shenvi	T.Y.B.A	1 day State level Workshop on “Developing a Winning Personality”	Rosary College of Commerce and Arts, Navelim, Goa	Participation
2010-2011	Mr. Balaji Shenvi	T.Y.B.A	Konkani Prashnamanjusha 2010	Goa Vidyaprasarak Mandal's Smt Neli Jocildo Aggiyar and Goa Konkani Academy	Participation
<b>ACADEMIC YEAR 2011-2012</b>					
2011-2012	Students	B.A and B.Sc	All Goa National Integration Song Competition	Bandora Youth Club	1 <sup>st</sup> Prize of Rs 2000/- and a Rolling Trophy
2011-2012	“	“	Yuvaluation 2011 Inter School and Collegiate competition	Yuva de Goa, Ravindra Bhavan, Margao	Participation
2011-2012	“	“	Inter Collegiate Quiz Competition	Fr. Agnel College of Arts, Science and	Participation

				Commerce	
2011-2012	“	“	Slogan competition in Fair Play: Youth Against corruption- an inter collegiate event	--	Participation
2011-2012	“	“	All Goa Eggless Cake Competition	Ponda Institute of Carving and Catering Technology	Participation
2011-2012	“	“	All Goa Quiz Competition	Adv. Vishwanath Narayan Memorial Trust	Participation
2011-2012	“	“	All Goa Intercollegiate Quiz Competition	Directorate of Women and Child Development	Participation
2011-2012	“	“	Intercollegiate Quiz Competition	Antruz Gudyo, Bandora	4 <sup>th</sup> Place
2011-2012	“	“	Dempo Biz Quest	S.S Dempo College of Commerce and Economics, Panjim	Participation
2011-2012	“	“	Folk dance Competition	S.S Dempo College of Commerce and Economics, Panjim	Participation

2011-2012	“	“	Inter Collegiate Quiz Competition	Dept of Information and Publicity	Participation
2011-2012	“	“	Rangoli competition of Yuva Mahotsava	Yuva Mahotsova Quepem	Participation
2011-2012	“	“	“Inquizzitive” Quiz Competition of Inter Collegiate Event Roots	Fr. Agnel College of Arts and Commerce, Pilar	Participation
2011-2012	“	“	All Goa Bene General Knowledge Quiz Competition	V.VM’s Shree Damodar College of Commerce and Economics, Margao	Participation
2011-2012	Ms. Shruti Bhonsale	“	Folk and Semi Classical Dance Workshop	Deepali Vichare’s Academy of Arts, Mumbai	Participation
2011-2012	“	“	State level Intercollegiate Elocution Competition	Department of Hindi, SPC College, Margao	Participation
2011-2012	“	“	Students Parliament Competition	Goa Secretariat, Porvorim	Participation
2011-2012	“	“	17 <sup>th</sup> Goa Yuva Mahotsav 2012 “	Konkani Bhasha Mandal- Goa Govt.	Participation

			Kavan Kaljatle”	College-Quepem	
2011-2012	“	“	Cultural Programme	Shree Ganesh Sankhalaya, Sancoale	Participation
2011-2012	“	“	2-day National Seminar on “ The Forgotten Revolutionaries of the Indian Freedom Struggle”	J.SS Banashankari Arts, Commerce and S.K Gubbi Science College , Vidyagiri, Dharwad, Karnantaka, Sponsored by Indian Council for Historical Research, New Delhi	Participation and presented a paper on Bengali Revolutionaries: “ A Saga of Sacrifice and Suffering” Won the Second Place for best presentation of the paper
2011-2012	“	“	“ Sakalkarandak” All- Goa One Act Play Competition	Gomantak Sam Marathi, Ravindra Bhavan, Margao	3 <sup>rd</sup> Prize
2011-2012	“	“	All Goa One Act Play Competition	Rotaract Act Club, Ponda and Antruz Ghudyo. Nageshi	2 <sup>nd</sup> Prize and trophy
2011-2012	“	“	All Goa Inter Collegiate Debating Competition for the SESA Goa Shields	English Literary Association, Govt. College, Sanquelim	Participation

2011-2012	“	“	Inter collegiate Essay writing Competition	Narayan Zantye College of Commerce in Association with Directorate of Arts and Culture	Consolation prize
2011-2012	“	“	Inter collegiate Essay writing Competition	G.V.M's College of Commerce and Economics, Farmagudi	Participation
2011-2012	“	“	2-day State level Seminar on “ Post Liberation Goa- An overview”	PES SRN's College of Arts and Science	Participation
2011-2012	“	“	1 day National Seminar on Goa's Struggle for Freedom: Reminiscence and commemoration of an event”	O.P.M's Shree Mallikarjun College of Arts and Commerce, Canacona	Participation

2011-2012	“	“	Sangeet Sangam	Goa Yuva Manch Goa's Golden Jubilee Celebration, Ponda	1 <sup>st</sup> Prize
2011-2012	“	“	Golden Jubilee Celebration of Goa Liberation	Office of the Deputy Collector, Ponda	Participation as a dance choreographer
2011-2012	“	“	13 <sup>th</sup> Yuva Konkani Sahitya Sammelan	PES SRN's College of Arts and Science	Participation
2011-2012	Students	B.Sc (Botany)	Wallpaper “Pravardhan”	PES SRN's College of Arts and Science	Participation
2011-2012	“	(B.A History)	All Goa Vishwanath Lawade Quiz Competition	Dhempe College of Arts and Science	Participation
2011-2012	“	“	Seminar	Fr. Agnel College, Pilar	Participation
2011-2012	“	“	Seminar	Shree Mallikarjuns College, Canacona	Participation
2011-2012	Mr. Rajeev Vissa and other students	B.A (Philosophy)	1 day State level Seminar on “ Freedom”	St. Xaviers College Mapusa	Participation
2011-2012	Students	B.Sc (Zoology)	Wallpaper “ Mayur”	PES SRN's College of Arts and Science	Participation
2011-	“	B.A (Marathi)	Wallpaper “	PES SRN's College of	Participation



2012			Parikrama”	Arts and Science	
2011-2012	“	“	Vangmay Mandal Programme	PES SRN’s College of Arts and Science	Participation

Date	Name of the student/ team members	Class	Event/ competition/ programme	Organized by	Achievements(Prizes/ Awards)
23/07/10			First All Goa Inter Collegiate Debating Competition.	Government college of Arts & Science and Commerce,Sanquelim, Goa.	Participation
15/08/10			Bandora Youth Club’s All Goa National Integeration song competition.	Bandora Youth Club	“
16/08/10			Ponda taluka level Patriotic singing competition.	JCI Ponda Zone XI	3 <sup>rd</sup> prize
28/08/10			All Goa Inter-School and Inter-Collegiate Patriotic Singing Competition.	Yuva De Goa Social, Cultural and Sports Organization.	Participation

29/08/10	Ms Sampada Upadhya	T.Y.B.A	Inter collegiate Light Music Singing Competition	Dadar Matunga Sanskruti Kendra and Samraat	Consolation Prize
29/08/10	Mr. Balaji Shenvy	“	All Goa Quiz Competition	Adv.V.N. Lawande Memorial Trust, Porvorim, Goa	Participation
30/08/10			Essay Competition on Drug Abuse.	Dr.P.S.Ramani Medical Foundation, Shantinagar, Ponda, Goa	“
03/09/10			All Goa Inter-collegiate Flower Arrangement competition	Dnyanprasarak Mandal's College of Arts, Science & Commerce, Assagoa, Bardez, Goa	Participation
03/09/10			One Day State Level Theater Workshop	Gopal Govind Raiturcar College of Commerce and Economics, Farmagudi, Ponda, Goa	Participation
09/12/10			Inter collegiate Quiz Competition	Goa State Museum, Panjim, Goa	3 <sup>rd</sup> Prize
06/01/11			Dempo Biz Quest	S.S Dempo college of Commerce and Economics, Margao, Goa	Participation
20/01/11			All Goa U.N.Bene General Knowledge Quiz Competition	V.V.M's Shree Damodar College of Commerce and	“

				Economics, Marga,Goa	
29/01/11			All Goa Quiz Competition	Institute Menezes Braganza,Panjim,Goa	2 <sup>nd</sup> Prize
01/02/11			Inter collegiate Elocution Competition	G.V.M's Gopal Govind Poy Raiturcar College of Commerce and Economics,Farmagudi, Ponda, Goa.	
12/02/11			“Green Concert” – Skit Competition	Carmel College of Arts,Science & Commerce,Nuvem,Salc ete,Goa	4 <sup>th</sup> Prize
06/08/11	Ms. Shruti Bhonsale		All Goa Intercollegiate debating competition for the Sesa Goa Shields	English Literary Association, Govt Colleg, Sanquelim, Goa	Participated
08/08/11			Slogan Competition	Vidhya Vikas Mandals Govind Ramnath Kare College of Law,Margao-Goa	1 <sup>st</sup> Prize
11/08/11	Ms. Shruti Bhonsale		Inter-Collegiate Essay writing competition	Narayan Zantye College of Commerce in association with the directorate of Arts and	Consolation prize of Rs 200/-

				Culture, Govt. of Goa	
15/08/11			All Goa National Integration songs competition	Bandora Youth Club	Participation
19/08/11			Inter-School and Collegiate Competition	Yuva de Goa	Participation
26/08/11			All Goa Inter-collegiate Quiz Competition	Fr.Agnel College of Arts and Commerce,Pilar-Goa	“
17/09/11	Ms. Shruti Bhonsale	FYBA	Inter Collegiate essay writing competition	GVM’s College of Commerce & Economics, Farmagudi	Participated
29/09/11 & 30/09/11	Ms. Shruti Bhonsale	FYBA	2 days state level seminar on “Post Liberation Goa- an overview”	PES SRSN’s College of Arts and Science, Farmagudi	Participated
27/09/11			All Goa Eggless Cake Competition	Ponda Institute of Carving and Catering Tecnology, Ponda	2 <sup>nd</sup> Prize
06/12/11			All-Goa Iner-collegiate Quiz Competition	Directorate of Women and Child Development	Participation
10/12/11	Ms. Shruti Bhonsale	FYBA	1 day National Seminar on “ Goa’s struggle for freedom:	D.P.M’s Shree Mallikarjuns College of Arts and Commerce,	Participated

			Reminiscence, commemoration of an event”	Delem, Cancona, Goa	
10/12/11			Inter-collegiate Quiz Competition	Antuz Ghudyno, Bandora	4 <sup>th</sup> Prize
17/12/11	Ms. Shruti Bhonsale	FYBA	Sangeet Sangam	Goa Yuva Manch, Goa’s golden jubilee celebration, Ponda	Awarded the 1st prize
19/12/11	Ms. Shruti Bhonsale	FYBA	Golden jubilee celebration of Goa’s liberation	Office of the deputy collector, Ponda, Goa	Participated as a dance choreographer.
23/12/11 - 01/01/12	Ms. Shruti Bhonsale	FYBA	Folk and Semi-classical Dance workshop	Deepali Vichare’s academy of Arts, Mumbai	Participated
06/01/12			Dempo Biz Quest	S.S.Dempo college of Commerce and Economics	“
7/01/12 &8/01/12	Ms. Shruti Bhonsale	FYBA	13 <sup>th</sup> Yuva Konkani Sahitya Sammelan	PES’s SRSN’s College and Goa Konkani Academy, Panjim	Participated
08/02/12			All Goa Inter-Collegiate Quiz Competition	Department of Information Publicity, Government of Goa	Participation
10/01/12			All Goa U.N.Bene General Knowledge	V.V.M.’s Shree Damodar College of	“

			Quiz Competition	Commerce,Pilar-Goa	
10/01/12	Ms. Shruti Bhonsale	FYBA	State level Inter collegiate elocution completion	Dept of Hindi, SPC College, Margao	“
28/01/12 29/01/12			Rangoli Competition	Yuva Mohatsav	1 <sup>st</sup> Prize
05/01/12			All Goa One Act Play Competition	Gomantak Sam-Marathti	3 <sup>rd</sup> Prize
20/01/12			Student Parliament competition	Goa Legislature Secretariat	Participated
28/01/12 - 29/01/12	Ms. Shruti Bhonsale	FYBA	17 <sup>th</sup> Goa Yuva Mahotsav 2012 “Kavan Kaljatle”	Konkani Bhasha Mandal- Govt College- quepem	1 <sup>st</sup> Prize
30/01/20 12	Ms. Shruti Bhonsale	FYBA	Cultural Programme	Shree Ganesh Sankhalyo, Sancoale	Participated as Choreographer
12/02/12			One Act Play Competition	Rotract Act Club,Ponda	2 <sup>nd</sup> Prize
02/03/12			Quiz competition	Fr.Agnel College of Arts and Science.	

23/03/12 & 24/03/12	Ms. Shruti Bhonsale	FYBA	2-day National seminar on “Forgotten Revolutionaries of the Indian Freedom Struggle”	J.S.S Banashankari Arts, Commerce & S.K Gubbi Science College, Vidyagiri, Dharwad, Karnataka	Participated & presented a paper on “ Bengali Revolutionaries: A saga of scafrifice & suffering”. Won 2 <sup>nd</sup> prize for paper presentation.
Date not specified (2012-13)			Ekankakika Spardha	Kala Academy, Panjim	Participated

