GOVERNMENT OF GOA

COLLEGE OF
ARTS, SCIENCE AND COMMERCE,
KHANDOLA, MARCELA-GOA-403107

Reaccreditation – 2nd cycle

Self Study Report
(SSR)
Submitted to
National Assessment & Accreditation Council,
Bangalore
2016

Website: www.khandolacollege.edu.in E-mail: gcasck@rediffmail.com

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<td></td>
</tr>
<tr>
<td>11</td>
<td>LOI</td>
<td></td>
</tr>
</tbody>
</table>
Preface

Government College of Arts, Science & Commerce, Khandola, is located at Marcela a place considered to be nominated as the cultural capital of Goa. The college is positioned on the periphery of a small town catering to the needs of students from the surrounding villages. The location of the college which is reasonably distanced from the distractions of a commercial sector without hindering the connectivity is endowed with natural beauty, serenity and tranquillity. Majority of the potential beneficiaries of this educational institution of higher learning are first generation learners originating from homes located in villages. This peculiar characteristic translates into the preservation of ancient gurukula tradition which is our well thought-out strength of character for creation of eligible human resource.

The college commenced its operations on 20th June 1989 with a modest strength of 126 students, 3 full time lecturers and a Principal. This humble beginning was extended through a prosperous path and achieved a mile stone by celebrating the Silver Jubilee in the year 2014. During this period the college acquired all pre-requisite affiliations from Goa University and UGC certification of recognition under 2(f) and 12 (B). In 25 years, the college was able to position itself as a reputed educational entity in fields ranging from academics, sports activates and cultural programs, by providing access to quality education for all, with a special emphasis on the under privileged enrolling from a geographically backward area within the state Goa.

In an effort to validate and document our achievements the college presented itself for the first assessment by NAAC during the academic year 2005-06. The process culminated in accreditation and awarded of B+ grade in September 2005. The new found status by way of NAAC accreditation inspired the faculty and administrative staff which in turn resulted in quality enhancements in the arenas of academics, sports and cultural activities. The projected aim for re-accreditation was constrained owing to the limited infrastructure available at that designated time. However an appropriate placement of this issue to Government of Goa and its consistent perusal resulted in creation of an adequate infrastructure which got inaugurated and made operational in June 2015.

On achieving the goal of infrastructure creation and with a realization of the time holdup accrued due to procedural delays, the college started afresh the process of NAAC accreditation in its pursuit for quality assurance with due recognition of our college vision:
To dedicate its energy to be responsive to the needs of an ever-changing society by promoting excellence in academics and art, the target being its vision to make this institution a ‘Centre for Excellence’.
Executive Summary

Government College of Arts, Science and Commerce, an affiliated college of Goa University was established in 1989. The college is managed by Government of Goa. The college aims towards offering quality education to its students in fulfilment of all the specifications laid down by University grants commission and Goa University. The college also focuses on empowering students to be good leaders who will spread the light of knowledge, harmony and equality in all spheres of life. The Government of Goa and Government College of Arts, Science and Commerce is set to welcome the second visit by the NAAC Peer team for its appraisal of this institution.

The college acquired the independent building in the year 2005. The first Cycle of assessment of NAAC was done in the year 2005 and college was awarded B+ grade on 2005. In the following years college has added several feathers to its cap in academics, sports and cultural activities. The college completed 25 years in the Year 2013-14 and celebrated Silver Jubilee. The re-accreditation process was not completed owing to the up gradation of the infrastructure. In view of the increasing strength of students, the construction of new building which was initiated in the year 2012. This building which houses the arts and commerce block independently was inaugurated in July 2015.

The summary of the criterion wise analysis of the college is given below.

Criteria I

This criterion discusses the study programs available for the students including various study courses and options available. It also throws light on different Certificate and Skill-based courses provided by the college. Besides the regular B.A., B.Com, B.Sc., the college also offers B.Sc. in Microbiology and B.A. in Psychology. The College aims to make the students self-reliant so as to survive in society despite the shrinking job market. Hence various Certificate and Skill-based courses such as ASP.NET, PHP, Organic Farming, Practical Banking, Water Analysis, Origin, Hardware Maintenance and Troubleshooting, Online Oracle Academy courses, Library Studies etc are conducted by the various departments. The department of languages and political science has initiated the setup of research centre and affiliation of Goa U is awaited. The department of Chemistry and Department of Commerce will be commencing the post-graduation courses, (M.Sc.) in chemistry and M. Com. respectively. The Officiating principal and the faculty is member of Board of Studies. Many teaching staff are involved in curriculum dev as they are in syllabus restructuring committees. A large no of our teachers assist in University examinations and paper setting, moderators and evaluators. The college organizes study trips to
industries, research centres and different organizations. The faculty and the students participate actively in various intra and inter college competitions, workshops and seminars (state, national and international). NSS, Sports and various associations are constituted in the college and students are encouraged to join them.

Criteria II

Our College provides student centric teaching learning and evaluation, done as per the statutes and ordinances of the affiliating University, Goa University. For effective implementation of the curriculum, the college deploys following action plan.

- An Academic calendar is prepared in advance and publish din the college prospectus.
- The time tables are prepared in advance and made available before the commencement of each semester
- Every department submits the activity calendar for the semester which supplements the syllabus plan.
- The progress of the students is maintained through two Intra semester assessments done via written tests, assignments, presentations, posters etc. and Semester end examination.
- The principal conducts meeting with faculty members at the beginning and end of every semester to assess the progress made by the students.

To make the learning process more ICT oriented, Government has equipped the classes with learning tools like LCD. Free internet browsing is provided in the library which is enriched with N-list and INFLIBNET. The sense of social responsibility is fostered among the students through seminars and talks by prominent speakers. Staff welfare committee is very vibrant and conducts faculty development programs for staff.

Criterion III

RESEARCH, CONSULTANCY AND EXTENSION
Institution encourages and extends all assistance to promote research to faculty and students. The institution has a research committee which monitors the quality of research. Presently seventy five percent of the faculty are involved in active
Seventeen faculty members are awarded Ph D degree and five are reading for their Ph. D. The college has received funding for ..... major research projects funded by....... and .....minor research projects by UGC in the X plan and XI plan .The faculty is actively involved in presenting papers in national and international seminars, conferences etc. Fifty percent faculty has published their research work in prominent peer reviewed national and international journals in their own capacity or through collaboratoryoration. The college has collaboratoryoration with different research institutes funded by DST, UCG, ISRO, IICA, NIO, ICAR, GIRDA, Hyderabad University, Indian academy of Sciences. The College has excellent record of accomplishment with respect to extention activities in different categories like health awareness where blood donation camps are held, Talk by doctors, health camps, Environmental awareness, Gender sensitization through poster competitions.NSS unit organise extension programme like cleaning,plantation, prevention of drug addiction, visits to orphanages and old age homes. The extension activities ensure growth of students awareness as responsible citizens.

Criterion IV

The college has a built up area of 6697 m² with thirty ICT enabled classrooms, eleven laboratories, seminar halls, library, examination centre and recreational spaces like gymnasium, cafeteria and multipurpose hall. Each classroom can accommodate a maximum of sixty students as per the guidelines of GU . CS< Chemistry, Micro, PhysicalLaboratories are upgraded with required Laboratory instruments. The college has a wellventilated seminar hall with AC, LCD projector, Laptop to organize seminars, lectures and other academic activities and meetings. The multipurpose hall is used for various extracurricular activities and indoor sports. Health care facilities and doctor on call is available in case of emergencies.The library is equipped with books, periodicals, Journals and e resources. The maintenance and of the cleanliness of the college is outsourced to the external agency. The electricity department and PWD looks after the maintenance of the college in the respective areas. The up-gradation and the upkeep of the infrastructure is done by GSIDC.

Criterion V

The college is situated in rural area where students from diverse socio economic backgrounds and first generation learners are admitted. The college website www.khandolacollege.edu.in , prospectus and magazine provides relevant information to the stake holders. The welfare schemes for students The college provides useful support systems to enable student- learning and progression. In an attempt to provide equal opportunity to all, the SC/ST/OBC students are identified at the time of admission and are urged to avail scholarships and
freeships. The welfare schemes for students include financial assistance like students aid fund, Scholarships like bursary Schemes, Gagan bharari, education loans to pursue further education, assistance to needy students in the form of book banks and reimbursement of medical expenses.

Many student representatives are members of statutory committees. Academically there are support mechanisms viz. mentoring, and remedial classes. A Counselling Cell along with services of a professional counselor is available on campus while the Mentoring System extends academic, career and personal guidance. The Placement Cell organizes campus recruitment. The College has an excellent success rate for all programs. The college has been able to keep a low failure rate and the dropout rate is almost negligible. Special support system is provided to students who face the risk of failure. The progression of students to higher education has been good and many students seek admission to post graduation courses. The college has monitored the menace of ragging and sexual harassment by constituting anti ragging committee and committee against Sexual harassment governed by senior staff members of the college as per the UGC regulations. The College has a Parent-Teacher Association, an Alumni Association, and a Grievance Redressal Cell. Students can express their creativity and ideas in college magazine and departmental newsletters. Leadership roles are created through election to the students council.

Criterion VI

The governing body of the college is Government of Goa which functions via Directorate of higher education with Director of higher education as the head, he plays the leading role in governance and management of the institution. Principal of the college is head of the institution and ensures transparency in the functioning of the college administration and academics. The college has efficient co-ordination and management under the leadership of principal for designing and implementing the plans and polices effectively through the committees constituted as per the statutory and non-statutory norms. All the stakeholders, students, parents, community directly or indirectly participate in the functioning of these committees. The college follows a participative mechanism through IQAC, PTA, alumni and Student’s council. The decentralization process if followed through the head of departments who looks after the functioning of the individual departments. The financial decisions are monitored via standing accounts committee instituted by the government. The administrative and accounts department looks after the respective areas. The purchase committee looks after the judicious expenditure of funds. Thus the transparency in financial matters is maintained.
Criterion VII

Government College of Arts, Science and Commerce, Khandola-Marcela-Goa is the first educational institution in Goa that has a *Green Building*, as it fulfills the criteria laid down by the Green Rating for Integrated Habitat and Assessment (GRIHA). The Goa State Infrastructure Development Corporation (GSIDC) built the college building abiding by these criteria of GRIHA. The college has a clean and healthy environment. The students and staff of the college are environmentally consciousness and has taken initiatives to conserve and promote a healthy environment. Tree plantation drives, State level seminars/workshops, National Environment Awareness Campaigns, and hikes are organized to address issues of environmental concerns through Nature club and NSS unit. Initiatives towards making the campus eco-friendly have been adopted by the institution such as solar power generating system, use of LED and CFL bulbs and sensitizing students to conserve energy. The college has a rainwater harvesting tank on site to collect the storm water. Conservation of water resource is promoted by various department of the college. Carbon neutrality is enhanced through measures like car-pooling, naturally light classroom, dust free classrooms and smoking ban in the college premises. Students are encouraged to make and use cloth bags and recycle plastic so as to reduce hazardous waste. The college has proposed solid waste management, effluent treatment, Water analysis, Glass disposal initiative in association with Goa Pollution Control Board. Various innovations have been initiated by the institution such as automatic bell, working model of biogas plant, book bank, and appointment of a counsellor. Our best practices include Microbiomics for a Healthy Environment, Academia – Industry Interface which highlights study trips, summer trainings and placements, Club “Spektrum” of chemistry department which organizes various innovative activities every semester in tune with environment and chemistry.
1. Profile of the Affiliated/Constituent College:

1. Name and Address of the College:

| Name: | GOVERNMENT. COLLEGE OF ARTS, SCIENCE & COMMERCE, |
| Address: | KHANDOLA, MARCELA-GOA, |
| City: | Pin: 403107 | State: GOA |
| Website: | www.khandolacollege.edu.in |

2. For Communication:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Name</th>
<th>Telephone with STD code</th>
<th>Mobile</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal</td>
<td>Dr. Jivexa Bhattacharjee</td>
<td>O: 0832 2287718</td>
<td>09422440970</td>
<td>0832 2287718</td>
<td><a href="mailto:gcasck@rediffmail.com">gcasck@rediffmail.com</a></td>
</tr>
<tr>
<td>Steering Committee Co-ordinator</td>
<td>Dr. Beena Vernekar</td>
<td>O: 0832 2287718</td>
<td>09420818943</td>
<td>0832 2287718</td>
<td><a href="mailto:beenav12@rediffmail.com">beenav12@rediffmail.com</a></td>
</tr>
</tbody>
</table>


4. Type of Institution:
   a. By Gender: Co-education
   b. By Shift: Regular

5. Is it a recognized minority institution? No

6. Sources of funding:
   Government

7. a. Date of establishment of the college: 20-06-1989
   b. University to which the college is affiliated: Goa University
c. **Detail of UGC Recognition:**

<table>
<thead>
<tr>
<th>Under Section</th>
<th>Date, Month &amp; Year</th>
<th>Remarks (If any)</th>
</tr>
</thead>
<tbody>
<tr>
<td>i.2(f)</td>
<td>24-8-2006</td>
<td>Certificate enclosed</td>
</tr>
<tr>
<td>ii.12(B)</td>
<td>24-8-2006</td>
<td>Certificate enclosed</td>
</tr>
</tbody>
</table>

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

d. **Detail of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCl, PCI, RCI etc.)**

Nil/Not applicable

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

   - Yes [Y]  No [ ]

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

   - Yes [ ]  No [Y]

9. **Is the college recognized**

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

      - Yes [ ]  No [Y]

   b. for its performance by any other governmental agency?

      - Yes [ ]  No [Y]

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

    | Location*   | Rural  |
    |-------------|--------|
    | Campus area in sq. mts. | 31050  |
    | Built-up area in sq. mts. | 6697   |
(*Urban,Semi-urban,Rural,Tribal,Hilly Area, Anyotherssspecify)

11. **Facilities available on the campus** (Tick the available facility and provide numbers or other details at appropriate places) or incase 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 √

The college is in possession of an open air amphitheater, an auditorium that can house 250 people, an air-conditioned seminar hall with all relevant audio visual presentation equipments with an accommodation capacity for 80 participants and an air-conditioned conference room.

- **Sports facilities**
  - Playground: Provided externally
  - Swimming pool: Provided externally.
  - Gymnasium √: Available in campus

- **Hostels**- Nil

  Residential facilities for teaching and non-teaching staff (given numbers available —cadrewise) √:
  Government accommodation in general pool-quarters available at various locations in Goa.

- **Cafeteria** √—1 available in campus.

- **Health centre** √— Government, primary health centre is situated center near by.
  First aid, Inpatient, Outpatient,
  - **Emergency care facility**, 108 ambulance is available,
  At primary health centre near by—
  - **Health centre staff** (At primary health centre)—

    Qualified doctor  Fulltime
    Qualified Nurse  Fulltime

- **Facilities like banking, post office, book shops** within 1 km radius
- Transport facilities to cater to the need of students and staff √
  one college bus and one staff car

- Animal house: Nil/Not required

- Biological waste disposal: Not generated

- Generator or other facility for management/regulation of electricity and voltage √
  Diesel generator and UPS systems are installed.

- Solid waste management facility √: Outsourced to an external agency

- Waste water management √: Disposed of waste water as per health department guidelines.

- Water harvesting √: A roof top water harvesting facility is available. Creation of a harvested water storage facility awaited.

12. Details of programs offered by the college (Givedata for current academic year)

<table>
<thead>
<tr>
<th>SI. No</th>
<th>Programme Level</th>
<th>Name of the Programme Course</th>
<th>Duration</th>
<th>Entry Qualification</th>
<th>Medium of Instruction</th>
<th>Sanctioned/Approved Student Strength</th>
<th>No. of students admitted</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Under-Graduate</td>
<td>B.A/ B.Sc./ B.Com</td>
<td>3 years</td>
<td>Higher secondary certificate</td>
<td>English</td>
<td>780</td>
<td>630</td>
</tr>
<tr>
<td></td>
<td>AnyOther</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(specify and provided details)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. Does the college offer self-financed programs?

Yes [ ] No [ √ ]
14. New programs introduced in the college during the last five years if any?

| Yes | No | √ | Number 0 |

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

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Departments</th>
<th>UG</th>
<th>PG</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td>Physics, Chemistry, Microbiology, Computer Science</td>
<td>√</td>
<td>MSc in Chemistry from 2017-18</td>
<td>---</td>
</tr>
<tr>
<td>Arts</td>
<td>Economics, Political science, Geography, Psychology, English, Hindi, Marati, Konkani</td>
<td>√</td>
<td>----</td>
<td>Research centre in Languages and Political Science</td>
</tr>
<tr>
<td>Commerce</td>
<td>Commerce</td>
<td></td>
<td>M.Com to start from 2017-18</td>
<td>----</td>
</tr>
<tr>
<td>AnyOther (Specify)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. Number of programs offered under (Program means a degree course like BA, BSc, MA, M.Com…)

a. annual system

b. semestersystem

m

c. trimester system

0
17. Number of Programs with
   a. Choice Based Credit System
      NIL
   b. Inter/Multidisciplinary Approach
      NIL
   c. Any other (specify and provide details)
      
18. Does the college offer UG and/or PG programs in Teacher Education?
    Yes □ No □

19. Does the college offer UG or PG programme in Physical Education?
    Yes □ No □

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

<table>
<thead>
<tr>
<th>Positions</th>
<th>Teaching Faculty</th>
<th>Non-teaching</th>
<th>Technical staff</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Professor</td>
<td>Associate Professor</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Sanctioned by UGC/University</td>
<td>NIL</td>
<td>21</td>
<td>13</td>
</tr>
<tr>
<td>Recruited</td>
<td>NIL</td>
<td>9</td>
<td>12</td>
</tr>
<tr>
<td>Yetto recruit</td>
<td>NIL</td>
<td>0</td>
<td>4</td>
</tr>
</tbody>
</table>

*M-Male*F-Female
21. Qualifications of the teaching staff:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>Associate Professor</th>
<th>Assistant Professor</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
</tr>
<tr>
<td>Permanet Teachers</td>
<td>08</td>
<td>13</td>
<td>01</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>07</td>
<td>08</td>
<td>--</td>
</tr>
<tr>
<td>M Phil</td>
<td>02</td>
<td>02</td>
<td>--</td>
</tr>
<tr>
<td>Only P.G.</td>
<td>01</td>
<td>03</td>
<td>01</td>
</tr>
<tr>
<td>Temporary Teachers: Contract basis</td>
<td></td>
<td></td>
<td>03</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>M Phil</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>P.G.</td>
<td>--</td>
<td>--</td>
<td>03</td>
</tr>
<tr>
<td>Temporary Teachers: Lecture basis</td>
<td></td>
<td></td>
<td>01</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>--</td>
<td>--</td>
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</tr>
<tr>
<td>M Phil</td>
<td>--</td>
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</tr>
<tr>
<td>P.G.</td>
<td>--</td>
<td>--</td>
<td>01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Highest qualification</th>
<th>Professor</th>
<th>Associate Professor</th>
<th>Assistant Professor</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>Permanet teachers</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>D.Sc./D.Litt.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Ph.D.</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>M.Phil.</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PG</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Temporary teachers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ph.D.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>M.Phil.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PG</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Part-timeteachers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ph.D.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>M.Phil.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PG</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>
22. Number of Visiting Faculty/Guest Faculty engaged with the College.

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

<table>
<thead>
<tr>
<th>Categories</th>
<th>Year 1</th>
<th></th>
<th>Year 2</th>
<th></th>
<th>Year 3</th>
<th></th>
<th>Year 4</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mal</td>
<td>Fem</td>
<td>Mal</td>
<td>Fem</td>
<td>Mal</td>
<td>Fem</td>
<td>Mal</td>
<td>Fem</td>
</tr>
<tr>
<td>SC</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>ST</td>
<td>56</td>
<td>91</td>
<td>11</td>
<td>135</td>
<td>64</td>
<td>108</td>
<td>54</td>
<td>105</td>
</tr>
<tr>
<td>OBC</td>
<td>47</td>
<td>92</td>
<td>42</td>
<td>100</td>
<td>56</td>
<td>109</td>
<td>59</td>
<td>119</td>
</tr>
<tr>
<td>General</td>
<td>118</td>
<td>222</td>
<td>205</td>
<td>390</td>
<td>266</td>
<td>450</td>
<td>132</td>
<td>231</td>
</tr>
<tr>
<td>Others</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Type of students</th>
<th>UG</th>
<th>PG</th>
<th>M.Phil.</th>
<th>Ph.D.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students from the same State where the college is located</td>
<td>630</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>630</td>
</tr>
<tr>
<td>Students from other states of India</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NRIs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Foreign students</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>630</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>630</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>UG</th>
<th>PG</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG</td>
<td>0.8%</td>
<td></td>
</tr>
<tr>
<td>PG</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

26. Unit Cost of Education

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

(a) including the salary component | Rs.105123
(b) excluding the salary component | Rs.5255
27. Does the college offer any programme/s in distance education mode (DEP)?
   Yes [ ] No [ √ ]

28. Provide teacher-student ratio for each of the programme/course offered
   62:630

29. Is the college applying for Accreditation:
   Cycle1 [ ] Cycle2 [ √ ] Cycle3 [ ] Cycle4 [ ]
   Re-Assessment: [ ]
   (Cycle1 refers to first accreditation and Cycle2, Cycle3 and Cycle4 refer to store - accreditation)

30. Date of accreditation *(applicable for Cycle2, Cycle3, Cycle4 and re-assessment only)*
   Cycle1: 21-9-2016
   Accreditation Outcome/Result: B*
   *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.
   227

32. Number of teaching days during the last academic year
   (Teaching days means days on which lectures were engaged excluding examination days)
   186

33. Date of establishment of Internal Quality Assurance Cell (IQAC) 13/09/2011
   IQAC: Ref.No.GCASC/Est/NAAC/05/1057
Dt.13/09/2011,

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to Not yet submitted

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

The college is moving on to Choice Based Credit System from academic year 2016-17
CRITERION I

CURRICULAR ASPECTS

1.1 CURRICULUM PLANNING AND IMPLEMENTATION

1.1.1 State the vision, mission and objectives of the institutes and describe how these are communicated to the students, teachers, staff and other stakeholders?

The college has a defined vision, a dedicated mission and clear objectives and goals.

OUR VISION IS
“Centre for Excellence”

The college aims to promote excellence in academics, sports, cultural activities, research and extension activities. The students are also encouraged to develop their dormant talents and skills.

OUR MISSION
“To dedicate our energy to be responsible to the needs of an ever changing society by promoting excellence in academics and art”

In addition to the regular course curriculum the college also provides opportunities for skill development, entrepreneurship, employability and overall personality development. Socioeconomic and gender equality is also promoted and practiced.

Being a rural college surrounded by the bounties of nature we advocate preservation of nature through environmental awareness programs. Individual artistic talents are also nurtured and allowed to blossom with constant encouragement.

OUR GOALS AND OBJECTIVES
Our goals and objectives are as follows

- To promote high standards of education in an environment conducive to the needs of undergraduate students.
- To provide undergraduate education that will enable students to be responsive to the needs of an ever changing society.
- To promote advancement of scholarly and artistic activities for students and faculty.
- To foster a culture that supports and reinforces ethical and pro-social values.
➢ To create an environment in which students and faculty find support and encouragement in achieving life goals.

The college mission, vision statements as well as the goals and objectives are printed in the prospectus and magazine. They are also communicated through the college website and displayed at prominent places in the college campus.

1.1.2 How does the institute develop and deploy action plan for effective implementation of the curriculum? Give details of the process and substantiate through specific examples.

Government College of Arts, Science and Commerce conducts undergraduate degree program in Arts (B.A), Science (B.Sc.) and Commerce(B.Com.). The college is affiliated to Goa University. The curriculum is prepared by Goa University. Each teacher prepares a semester wise teaching schedule based on the academic calendar communicated by Goa University such that the recommended syllabus is completed in time. At the beginning of each semester a copy of the syllabus is given to the students. All non experimental subjects have 5 lecture periods and experimental subjects have 3 lecture and 2 practical periods each. The college prepares a time-table for theory and practicals and it is displayed before the commencement of each semester. A copy of the time-table is displayed on the staff and students’ notice board. Normally non experimental papers have 75 lectures and experimental subjects have 45 lectures. Each practical is of 2 hours duration.

1.1.3 What type of support (procedure and practical) do the teachers receive (from the University and/or institution) for the effectively translating the curriculum and improving teaching practices?

The University involves Board of Studies in preparing the curriculum and the approved syllabus is sent to the affiliated colleges. The syllabus is also revised from time to time by the University. The University also organizes refresher courses/orientation programs (subject wise) seminars/workshops etc. wherein the faculty can upgrade and update their knowledge and skills. The teacher receives full support from the college in translating the curriculum into teaching practice. ICT as well as library facilities are provided by the college. The college also helps to procure teaching aids.

1.1.4 Specify the initiative taken up or contribution made by the institution for the effective curriculum delivery and transaction on the curriculum provided by the affiliating university or other statutory agency.
The college has taken many initiatives for the effective delivery of the curriculum provided by the University. All the classrooms have been provided with LCD projectors and the teachers use these facilities in their everyday teaching. It has helped the students in the learning process. Similarly all the science laboratories have been equipped with the relevant equipment. 10 faculty members have served as chairpersons or members of board of studies (BOS) of the Goa University and have contributed in the restructuring and framing of syllabus of finance, macroeconomics, computer science and microbiology. They have given valuable suggestions regarding new combinations, incorporation of recent developments as well as promoting of interdisciplinary research.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

The college has a network with industry, research bodies and University and interacts with them regularly.

A) Industry:-
- Industry visits are conducted in order to familiarize the students with industry setup in Goa as well as in other states.
- Guest lectures by important personnel from industries are regularly organized.
- Many project problems taken up by the third year students are related to industrial sectors.

B) Research bodies:-
- The Faculty members as well as students of Department of Microbiology have availed of laboratory facilities in National Institute of Oceanography si Birla Institute of Technology and Science-Pilani (BITS) and Indian Council of Agricultural Research (ICAR) for the purpose of conducting important research work.
- The Department of Microbiology organizes an annual study tour to various Research institutes in different parts of India (refer to Table).
- Students of the college are encouraged to interact with scientists from National Institute of Oceanography, Birla Institute of Technology and Science-Pilani (BITS) and Indian Council of Agricultural (ICAR).
- The third year students of Department of Microbiology attend a course on the mushroom cultivation and nutrition at Krishi Vigyan Kendra every year as part of Vth semester practical syllabus.
The students of Department of Microbiology have presented posters at international conference TERAPRETA organized by the Birla Institute of Technology and Science-Pilani (BITS) and also at International conference held at Kochi.

Tanviraj T. Parwar, College Topper Prize, awarded by the Scientific Research association for Economics and Finance organized by Parvatibai College, Department of Economics Margao-Goa in December 2015.

T Y BSc students of the department of chemistry use analytical instruments facilities of Goa University at USIC, NCAOR, NIO etc.

Ms. Utkarsha Mardolkar was awarded third prize for poster presentation titled ‘photocalalytic Degradation of AZO dyes photo-Fenton Reagant in aqueous medium ‘ at the 6th Annual Inter-collegiate Symposium for T.Y.B.SC (Chemistry) students “Fascinating World of Chemical Sciences” organized by Department of Chemistry on March 17, 2012 at Goa University guided and authored by Dr Jivexa Bhattacharjee.

T.Y. B.Sc student Ms Stacy Rocha won the second place for oral presentation 2013 on “Nanomaterials derived from Ferrites” at the 7th Annual inter collegiate symposium organised by Department of Chemistry held on 9th March guided and authored by Dr Beena Vernekar.

Ms Pratika Raikar was awarded second place for Best Poster Presentation on the topic “Hazardous Holi Colours” at 8th Annual Inter collegiate T.Y. B Sc. Chemistry Symposium on organised by Department of Chemistry on March 15, 2014 guided and authored by Dr Rajashri Mordekar.

F.Y. B.Sc student, Mr. Schubert Fernandes won first place for Oral presentation at one day intercollegiate chemistry event KYNESIS organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.

F.Y.B. Sc. student Mr Dixit phadte and Mr. Charant Naik won first place for poster making (“Chemistry - yesterday, today, tomorrow”) at one day intercollegiate chemistry event KYNESIS organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.

F.Y.B.Sc. student Ms Stacy Remedios and Mr Schubert Fernandes won first place for Action Reaction- at one day intercollegiate chemistry event KYNESIS organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.
B. Sc. students Sanam Vaingankar and Madhuri Naik won first place in the poster competition organised on the theme “Green chemistry” for B Sc students at the Annual convention of Chemistry Teachers was held on 24th February 2016 at Government. college of Arts Science and commerce, Sanquelim, Goa.

C) Goa University:-
- Students of the college avail of library facilities as well as laboratory facilities for project work.
- Students also participate in curricular, co-curricular and extra-curricular activities in Goa University.

1.1.6 What are the contributions of the institutions and/or its staff members to the development of the curriculum by the university? (Number of staff members/departments represented on the board of studies, students feedback, teachers feedback, stakeholders feedback provided, specific suggestions etc.)

The faculty members have been members of the Board of Studies in different subjects.

Informal meetings are held with the staff and students of the college and the suggestions of the students are taken into consideration especially while designing add on certificate courses.

In regular departmental meetings discussions of need based courses are carried out by the faculty members. Suggestions made by the parents in meetings of the parents teachers interaction committee are also considered. Members of the alumni association also play an important role especially in suggesting need based courses.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If yes give details on the process (“Need Assessment”, design, development and planning) and the course for which the curriculum has been developed.

The following need based employment oriented courses were introduced in our college:

- Short term certificate course in web development.
- Short term certificate course in library science.
The faculty of Computer Science Department conducted a certificate course in web development in ASP.NET and C# with SQL server for the 24 students of the department and generated an income of Rs.31,200/-, after all the expenditure an amount of Rs.14,750/- was the balance left which was credited to the college fund. The course was of three months duration and certificates were provided to the students.

Syllabus
- Database connectivity with SQL server
- Generating webpage using ASP.Net

A certificate course on PHP and MYSQL was also conducted. Seventeen students attended the above course, the income generated was Rs.22,100/-. 

Library studies
Library department of our college has conducted short term certificate courses for the students during the academic year 2009-2010 and 2010-2011 for four months duration.

From April 2010 to July 2010 and April 2011 to July 2011 the short term certificate course was conducted for students of our college as well as others at rate of Rs.4000/- per student and certificates were issued to them at the end of the course.

During this course students acquired the library information by studying different topics, such as

1. Library classification
   - Theory
   - Practical
   Definition, scope, purpose, function of call numbers.

2. Library cataloging
   - Definition, scope, purpose
   - Types of catalogues
   - Kinds of entries
   - Forms of catalogues

3. Library Administration & Management.
   Meaning, definition, functions and principles.
4. Library Organization & Management
   - Theory
   - Practical
     - Main class numbers
     - Catalogue main entries
     - Types of catalogue entries

5. Reference services
   Definition, kinds of sources, different references.

6. Application of computer library.
   The faculty of library was involved in the process of designing the syllabus and content of the course as well as in instructing the students.

1.1.8 How does the institution analyse/ensure that the stated objectives of curriculum are achieved in the course of implementation?
   - Feedback mechanism: Feedback obtained from various stakeholders of the institute is analysed, reviewed and the requisite corrective measures are introduced in order to achieve effective implementation of the objectives of the curriculum.
   - Students’ performance: Performance of the students’ in various tests and examination also serve as an indicator.

1.2 Academic Flexibility
   1.2.1 Specifying the goal and objective give details of certificate/diploma/skill development courses etc. offered by the institution.
   Objective for conducting the courses – The College strives for the overall development of the student which emphasizes not only on academic curriculum but also aims to make them self-reliant economically. It helps them to acquire skills which can be used for self employment such that they can survive in society despite the shrinking job market. In order to achieve this, the Department of Computer Science started a course in ASP.NET with C#, to enhance students’ skills to develop dynamic websites. The Department of Economics conducted a course on Organic farming in sustainability of agriculture as well as another course in practical banking.

1.2.2 Does the institution offer programs that facilitate twinning/dual degree? If ‘yes’, give details.
   The college does not offer twinning/dual degree program as Goa University does not allow for the same.
1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

At the undergraduate level the college offers a wide choice of subjects and their combinations.

- Range of Core / Elective options offered by the University and those opted by the college

B.A.:

**Compulsory Subjects**: Information Technology, Environmental Studies, Compulsory English, Gender Studies, Self Development and Foundation Course (Resource Geography of Goa, Population Geography)

**Optional Languages**: Marathi, Konkani or Hindi

**Major Courses**: Economics, English, Psychology, Geography and Political Science.

B.Sc.:

**Compulsory Subjects**: Information Technology, Environmental Studies, Foundation Course (Functional English, Introduction to Cyber Security and Cyber laws Introduction to Information System and I.T. Entrepreneurship)

**Major Courses**: Physics, Chemistry, Microbiology and Computer Science

B.Com.:


**Optional Courses**: English, Geography of Resources, Accounting, Cost Accounting, Marketing Management, Retail Management, Business Communication and Business Environment.
**Major Courses:** Advanced Accountancy, Cost and Management Accounting and Business Management.

- Choice Based Credit System and range of subject options. Not yet adopted by the college.

- Courses offered in modular form. This is not permissible as per Goa University rules.

- Credit transfer and accumulation facility. This facility is not allowed by Goa University.

- Lateral and vertical mobility within and across programs and courses.

  Lateral mobility is allowed in the sense that one can major in one of the subject among the three subjects offered at the first and second year.

  Those completing graduation also pursue Post Graduation in their respective subject thus providing vertical mobility.

- Enrichment courses
  The College conducts Certificate and Skill-based courses.

1.2.4 **Does the institution offer self-financed programs?** If ‘yes’, list them and indicate how they differ from other programs, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

No.

1.2.5 **Does the college provide additional skill oriented programs, relevant to regional and global employment markets?** If ‘yes’ provide details of such program and the beneficiaries.

Short Term Courses are conducted by the various departments in accordance with need-based requirements of the students. Some of the courses conducted were ASP.NET, PHP, Organic Farming, Practical Banking, Water Analysis, Origin, Hardware Maintenance and Troubleshooting, Online Oracle Academy courses, Library Studies etc. Beneficiaries are the students and General Public.
1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?
This is not permissible as per Goa University rules.

1.3 Curriculum enrichments
1.3.1 Describe the efforts made by the institution to supplement the university’s curriculum to ensure that the academic programs and the institutional goals and objectives are integrated?
The college organizes various activities to achieve overall development of our students such as.

- Study trips, field trips, individual visits and visits to research centers.

List of Field trips:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Department</th>
<th>Places visited</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Geography</td>
<td>Chorla ghat, Brahmakarmali, Cab de ram, Canangani Beach, Palolem Beach, Netravali Savari waterfall, Gaondongrim, Khotigao, Nanus farm, Bhirondem farm, Geology museum, National Institute of Oceanography. Tambdi surla, Bambolim and Siridao Beach, St. Augustine tower, Harvalen waterfall. Environmental studies</td>
</tr>
<tr>
<td>2.</td>
<td>Physics</td>
<td>Birla Institute of Technology and Science - Pilani(Goa Campus), Die-Bold ATM Machine Manufacturing Unit.</td>
</tr>
<tr>
<td>3.</td>
<td>Microbiology</td>
<td>Goa Dairy, National Institute of Oceanography, Krishi Vigyan Kendra, Opa water works, Pascoals Spice Farm, Bharatiya Vigyan Sammelan and Expo.</td>
</tr>
<tr>
<td>5.</td>
<td>Political Science</td>
<td>Goa State legislative Assembly.</td>
</tr>
<tr>
<td>7.</td>
<td>Chemistry</td>
<td>Department of Chemistry Goa University.</td>
</tr>
</tbody>
</table>
Bharatiya Vigyan Sammelan and Expo.,
Public lecture by Nobel Laureate Prof. Jean-Marie Lehn on Chemistry, National Centre for Antarctic Oceanographic Research, National Institute of Oceanography, Science Centre.

List of Study Tours:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Department</th>
<th>Places visited</th>
</tr>
</thead>
</table>

- Assignments which take into account curriculum as well as new advances and developments
- Power points presentations
- Poster presentations, model making.
- Organization and participation in various inter and intra college competitions
- Guest lectures from eminent speakers belonging to different streams
- Participation in various state, national and international workshops and seminars for both faculty and students.
- NSS, Sports and various associations.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to explicitly reflect the experiences of the students and to cater to the needs of the dynamic employment market?

The Goa University prescribes the syllabus which is adopted by the various departments in the college. However this syllabus is regularly reviewed, modified and restructured by the Board of studies keeping in mind the changing trends of society and new advances and development in various fields. As chairpersons/members of the Board of Studies our faculty plays an important role in suggesting as well as implementing these changes in the syllabus. Thus ensuring the process of imparting quality knowledge is enriched and it does not stagnate.
and our students are on par with any other state, national or international institution.

The college also offers various skill based courses which complement the curriculum such as

- Courses on software development- Tools and hardware maintenance and troubleshooting.
- Courses on origin software to enable better data projection and analysis.
- Talks on career guidance.
- Mock interviews.
- Campus interviews.
- Information as well as coaching is provided for answering entrance examinations.
- Placement cell is present in the college.
- Members of Alumni association also provide information about vacancies and job opportunities.
- Self employment is stressed upon by carrying out exercises like the entrepreneurship mela, organized by the commerce department.
- Field trips to research institutes and industries were organized within and outside the state of Goa.

1.3.3. Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate change, Environment education , human rights , Information communication Technology etc. into the curriculum.

**Gender:**

The college has made efforts to integrate cross cutting issues into the curriculum

- The college has a “Committee against Sexual Harassment of Women”.
- The college also has a “Women’s cell”.
- A ladies representative from the three faculties is elected to represent the girl students in the students’ council.
- The College bus makes regular trips in the morning and afternoon to the main bus stand in Marcela to ensure safety of girl students.
- Security personnel are also present in the college premises to ensure safety.
- The percentage of female students in the college outnumbers the male students which itself is an indicator of gender equality.
Climate change:

- Students of the college have a compulsory paper entitled Environmental Studies which deals with the topics like pollution, global warming and climate change.
- Awareness with respect to global warming and climate change and measures to counteract it as well pollution are carried out through activities such as Vanamahotsava, collection of plastic bags and plastics, bottles for recycling, use of natural cleansers in sanitization, making and distribution of paper and cloth bags etc.

ICT:

- The students of the college have a compulsory paper on information technology in semester I and II.
- Well equipped computer laboratories as well as WiFi connections are also available.
- Teachers have availed of interest free teacher’s laptop scheme introduced by Goa Government.
- Students make use of interactive virtual lectures/seminars delivered by faculty from I.I.T.

Environmental Education:

- Environmental studies is a compulsory paper in the first year for all streams.
- Anti-garbage drive, collection of plastic bags and bottles.
- Participation in intra and intercollege competitions on pollution problems, climate change and global warming
- Field and study trips, NSS activities, talks by resource persons to create awareness and practical solutions to the problems.

1.3.4 What are the various value added courses/enrichment programs offered to ensure holistic development of students?
College does not conduct any specific value added courses, however to ensure the holistic development of students, college organizes various value added programs dealing with,

Moral and ethical values:
College conducts various activities like,

➤ Personality development courses.
- NSS programs.
- Talks by personalities from groups such as Art of living etc.
- Moral and ethical values are inculcated in students.
- Unfair means committee is there in the college which deals with malpractices in examinations.

**Employability and life skills:**
The college promotes employability and life skills by conducting various courses such as:
1. Software development tools and hardware networking and maintenance courses in the I.T sector.
2. Agriculture oriented courses such as mushroom cultivation and courses in organic farming which are especially useful as most of our student come from a rural agricultural background.
3. Courses on corporate skill development lectures are also organized by eminent personalities such as industrialists, academicians, womens’ right activists and professionals.

**Better career options:**
- The college has a placement cell which informs students about job opportunities and provides information about suitable candidates to various industries.
- Faculty also guides and counsels students with regard to career options.
- Entrepreneurship mela helps to motivate students towards self employment.
- Mock interviews are conducted by faculty to create awareness about interview etiquettes.
- Campus interviews are conducted.
- Guidance to answer competitive examinations, bank examinations, LIC examinations etc.

**Community orientation:**
Students are made aware of their duties and responsibilities to society through programs such as
- NSS activities.
- Swach Bharat promotion.
- Rallies to support prevention of suicides.
- Vanamahotsav.
- Plantation drive.
- Collection of plastic bags and bottles for recycling.
- Preparation of cloth and paper bags and distribution in Marcela and Bandora areas.
• Blood donation camps.
• Testing of well water from adjoining villages of Marcela, Cumbharjua and St. Estevam.
• Promotion of gender equality and sensitization of students to issues like violence against women etc.
• The college has an anti-ragging cell which monitors the students and takes appropriate action against the offenders.
• Scholarships are available from Government of Goa for Schedule Caste/Schedule Tribe & Other Backward Communities (Social Welfare Department and Tribal Welfare).
• Scholarships are also available from Government of Goa for promoting pure sciences.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?
• Feedback is obtained from students through student feedback forms, from parents at PTA meetings and from ex-students at meetings of the alumni association.
• The suggestions are considered and various measures are initiated such as:
  ❖ Conducting extra lectures.
  ❖ Professional counseling facilities are available.
  ❖ Use of audio visual aids in teaching.
  ❖ Monitoring of students’ attendance and providing feedback to parents.
  ❖ Distribution of results in presence of parents and guardians.
  ❖ Training students to face interviews by conducting mock interviews in college.
  ❖ A student mentoring scheme has been initiated in the college to counsel the students regarding their academic and personal problems.
  ❖ Students’ feedback information is used to improve teaching style and lecture delivery.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment program?
The principal and the H.O.D’s of the Departments monitor the various enrichment programs. The IQAC also monitors the various activities conducted in the college both with respect to curriculum and extracurricular activities.

1.3 Feedback System:
1.4.1 What are the contributions of the institution in the design and development of curriculum prepared by the university?

- Many of the faculty members of the college are chairpersons / members of Board Of Studies and are therefore involved in development of the curriculum.
- They are also involved in restructuring and revising the syllabus of the various subjects.

<table>
<thead>
<tr>
<th>NAME</th>
<th>WORK UNDERTAKEN IN BOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Prabir K. Rath (Geography)</td>
<td>Chairman, BoS in (Goa University, w.e.f. March/April 2015 till date. Recently framed the syllabus in Geography for CBCS pattern. Earlier involved in framing the syllabus of undergraduate and post graduate in Geography under Goa University. As an external member of BOS in Geography of Jiwaji University, Gwalior, framed the syllabus of undergraduate, post graduate, M.Phil of that University.</td>
</tr>
<tr>
<td>Dr. S.V. Sukhtankar (Commerce)</td>
<td>Screening committee member for granting UGC fellowship to Assistant Professor in Commerce namely Smita Sanzgiri &amp; Raina Pinto of GVM’s College, Ponda-Goa in 2012-13. Screening committee member for granting fellowship to Assistant</td>
</tr>
</tbody>
</table>
Professor in Commerce namely Mira Mayenkar in June 2016 at GVM’s College, Ponda- Goa. Drafted syllabus in Major Advance Accounting – Paper I in 2015 & Advance Accounting Paper II in 2016. Member of BoS sub-committee to review and finalise syllabus and evaluation of SYBcom Applied Component Paper (E Commerce & E Accounting) in 2015. Member of BoS sub-committee to review and finalise syllabus in Accounting for B.Com programme under CBCS and prepared syllabus in Advance Accounting & Elective Accounting paper.

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Dr. Pravina Kerkar (Geography)</td>
<td>V.C’s nominee for drafting syllabus in Geography (autonomous) at Chowgule College, Vasco from 2014-2017.</td>
</tr>
<tr>
<td>Dr. Seema Salgaonkar (Political Science)</td>
<td>Drafting of undergraduate and post-graduate syllabus of Goa University</td>
</tr>
<tr>
<td>Dr. Isabel Dennis (English)</td>
<td>Member of BoS from 2016-2019. Submitted syllabus as per CBCS in 2016 in English.</td>
</tr>
<tr>
<td>Marina Albuquerque (Microbiology)</td>
<td>Member of BoS from 2011-2014. Restructuring of syllabus in Microbiology for undergraduate and post-graduate level.</td>
</tr>
<tr>
<td>Dr. Dey (Physical Education)</td>
<td>Chairman of BoS in Physical Education from 2011-16. Drafted syllabus for BPEd of Goa University from</td>
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</tbody>
</table>
1.4.2. Is there a formal mechanism to obtain feedback from students and stakeholders on curriculum? If yes how is it communicated to the university and made use internally for curriculum enrichment and introducing changes/new programs?

Yes. Every year the college carries out assessment for the teachers teaching performance through student feedback. The students are provided with a questionnaire which they fill at the end of the academic year i.e in the month of February. The filled questionnaires are then handed over to the H.O.D’s of the various departments. The consolidated feedback is then communicated to the principal and to the respective teacher.

The principal counsels the teachers about their performance. The teachers take due note of the feedback and improve the discrepancies.

1.4.3 How many new programs/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programs?

No new programs have been introduced by the college recently. However,

- The Department of computer science of the college has introduced a certificate course in software development tools which is an informative course which creates awareness about cybercrime and how to deal with it.
- Information system & IT entrepreneurship subject has been introduced in computer science department.
- E commerce subject has also been introduced.

Any other relevant information regarding curriculum aspects which the college would like to include.

- The laboratory administration staff was trained in basic computer skills and operation procedures.
Criterion II: Teaching, Learning and Evaluation

2.1. Student Enrollment and Profile.

Government. College of Arts, Science & Commerce, Khadola, Marcela, Goa has played a pivotal role in providing educational opportunities to the rural areas surrounding it. It has complete 25 years of its existence by promoting excellence in the field of education. This Institution has earned its reputation for being a premier Institution in this State which is well known for academics, sports and other extra-curricular activities.

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

Government. College of Arts, Science & Commerce ensures hundred percent transparency in admissions. Transparency is the sine qua non for pursuing excellence. Every aspect of the admission process is open to scrutiny. The extent of transparency which the College maintains in this regard may be inferred from the fact that there has been no complaint about any aspect of the admission procedures in the last several years. All aspects and stages of the admission procedure are duly notified through the media i.e. local newspapers ensuring that applicants from rural and urban areas are facilitated. The admission notice is displaced on the notice board and information is also provided on the College website. Publicity is given with the help of outdoor advertising (banners, posters). The College handbook (Prospectus) gives information about the circulars, ordinances and statutes of the University concerning the admission process. The Alumni and faculty of the College visits the feeding Higher Secondary Schools in the vicinity to explain and interact with the students about various degree courses and its benefits in terms of future prospects. The rules of the Goa University and Directorate of Higher Education, Government of Goa are adhered to. The reservation policy of the Government is strictly followed during the admission process. No student is denied admission irrespective of the number of attempts he/she has made to pass the XIIth examination. It is this basic quality to cater to the needs of the rural areas that makes this Institution unique in the State of Goa.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex, (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv)any other)to various programs of the Institution.

The responsibility of organising admissions is entrusted to an Admission Committee headed by the Chairperson for Admissions with the Principal who is
the final authority. Senior faculty members of the Committee are drawn from various departments. Students are given admission to different courses of their choice on the basis of merit. The list of the provisionally admitted students is displayed on the notice board of the College. Each student along with his/her parent / guardian is requested to meet Principal / Chairman / Members of the Admission Committee. Through this personal interaction, the student is counselled about the choice of subject and her/his academic interests are also understood. The college also follows the government policy on reservation for SC =2%, ST=12% and OBC =27% and PH= 3%.

2.1.3. Give the minimum and maximum percentage of marks for admission at entry level for each of the programs offered by the College and provide a comparison with other Colleges of the affiliating university within the city / district.

The minimum percentage of marks for admission at the entry level is 35% and the maximum is 35% and above. The College favours an Open Door Policy whereby students are given opportunities to have an access to higher education since most of the entrants are first generation learners. In most of the Colleges in the nearby districts they adhere to admission cut-offs.

2.1.4. Is there a mechanism in the Institution to review the admission process and student profile annually? If `Yes’ what is the outcome of such an effect and how has it contributed to the improvement of the process?

Yes. The Admission Committee meets after the completion of the admission process to review and analyse the profiles of the students admitted. The outcome of such an effort has been very fruitful as the feedback has helped to make amendments in the admission process if necessary.

2.1.5. Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the Institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion.

The College caters to all categories of students. SC / ST / OBC students are admitted according to the Government reservation policy.

SC / ST: Government College of Arts, Science and Commerce, Khandola is known for its commitment to social justice. It has gone out of its way to cater to the needs of the students from these communities.
OBC: The College has never discriminated students from any community. This institution has earned name and fame for being student friendly. Women students outnumber men students.

Differently abled: Students who are differently abled are accommodated along with the other students. They have also been provided opportunities to take part in co-curricular activities. Ramps and Western closets are constructed in the new building to help them.

Economically weaker sections: A scholarship committee is appointed to ensure that these students can avail of the schemes, benefits and scholarship provided by the Government of Goa to mitigate financial constraints. The Library also provides the Book Bank facility to such students.

Minority Community: This Institution is known for a healthy co-existence of the minority community along the majority community students. A healthy blend-a perfect example of unity in diversity.

2.1.6. Provide the following details for various programs offered by the Institution during the last four years and comment on the trends i.e. reasons for increase/decrease and actions initiated for improvement.

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<tr>
<th>PROGRAMS</th>
<th>NUMBER OF APPLICATIONS</th>
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<td>2015-2016</td>
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<tr>
<td>COMMERCE B.Com</td>
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<td>2011 – 2012</td>
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<td>2015-2016</td>
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</table>
2.2. Catering to Student diversity.

2.2.1. How does the Institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

Admission to the College is open to all categories of students. However, the member of differently abled students seeking admission to the College is very small. The College has always geared to meet the special needs of the differently-abled students to ensure that they are comfortable. In compliance with the norms of the State Government a ramp has been built in the new building. Western closets are constructed in the new building to help them. When such students are identified at the time of admissions utmost care is taken to see that lectures are delivered in classrooms on the ground floor. In keeping with the University norms, special rooms are allotted for such students for answering examinations. The teachers go out of their way to show their concern and special care towards such students. Other students are also requested to help such students and integrate them with the group. Library staff hand over the books to these students by checking their identity cards.

2.2.2. Does the Institution assess the student’s needs in terms of knowledge and skills before the commencement of the programme? If ‘Yes’ give details on the process.

Our student population is drawn from several rural villages who happens to be first and second generation learners. The Admission Committee counsels the students at the time of admission on the selection of subjects. The teachers revise the elementary concepts of the subjects at the beginning of the academic year thereby providing the students with the necessary skills needed in the respective subjects of the course. The College re-opens with the formal address of the Principal. The departmental orientation boosts the morale of the students.
The College Librarian conducts the Orientation programme to help the students to avail of the library facilities.

2.2.3. What are the strategies adopted by the Institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/Add-on/Enrichment Courses etc.) to enable them to cope with the programme of their choice?

The College strives to see that the students enrolled are comfortable with the programs of their choice. Various departments conduct revision practicals to familiarise them with instruments in the laboratory at the entry level before the commencement of the actual classes. Teachers also provide counselling and efforts are made to solve the students difficulties after class hours. Guest lectures are conducted by eminent personalities from industry. This help the students to correlate the theory with the practical aspects of the subject. Industrial visits within the State and outside are organised for the students.

2.2.4. How does the College sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Imbibing gender equality, inclusive development and environmental conservation is of great importance to this Institution. The College has various clubs/cells like Women’s cell, Prevention of sexual harassment cell which conducts various activities i.e. poster competition, slogan writing, talks by eminent personalities and NGO’s to sensitise the staff and students on issues such as gender. The Department of Political Science also conducts rallies, street play etc. to sensitise the students e.g. BetiBachaoBetiPadhao. The SC/ST cell conducted talks for the students belonging to this category to sensitise them of the various facilities and schemes that are available to them. Even during the N.S.S. Camp talks by eminent personalities have helped to create an awareness among the students. The first year students of all faculties have to study a compulsory paper on environment. Nature club conducts various activities - ‘Vanamohatsova’ to create an awareness to grow more trees. The Alumni has conducted a tree plantation drive to sensitise the staff and students on environment conservation. Research Cell conducted Seminar on Environment issues and the Silver Jubilee Celebration Committee conducted State Level Workshop for N.S.S. Volunteers and Programme Officers on ‘Swacha Bharat NitellGoem’ Mission Inspired by Patriotism. Rallies are also conducted to sensitise the students to save water, stop the use of plastic etc. The N.S.S. conducts several activities to sensitise the students to conserve the environment.

2.2.5. How does the Institution identify and respond to special educational/learning needs of advanced learners?
Advanced learners are identified by the Institution by conducting mock quiz, debates, elocution etc. Essay competitions are also conducted to identify learners who have flair for writing. Advanced learners are also identified after formative and summative assessment. The advanced learners who are identified are counselled given extra coaching and provided opportunities to take part in competitions i.e. intercollegiate, state and national level. 

The Department of Physics and Chemistry after identifying advanced learners have encouraged students to take up inter disciplinary projects. The efforts put in by the advanced learners is recognised and appreciated by the Institution. Such learners are felicitated, awarded prizes and Scholarships during the College Annual Day etc.

2.2.6. How does the Institute collect, analyse and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided?)

There is an informal mechanism by which students at risk of drop out are identified by the Principal and other faculty members. Every possible help is offered to these students. Students from the disadvantaged sections of the society are given the facility to avail of Government scholarships, financial support as provided through student’s aid fund to such students. Slow learners are given guidance and extra coaching to clear their repeat examinations. Parents of slow learners are called and counselled by the faculty members. Book bank facility is provided by the library. Students from the economically weaker sections are given the benefit of paying the fees within a certain stipulated period which gives them the benefit of some financial relief. All these measures have helped to minimise the dropout rate.

2.3. Teaching Learning Process.

2.3.1. How does the College plan and organise the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blueprint etc.)

The University lays down the academic schedule for the College. The College has to plan and organise the teaching, learning and evaluation schedules based on the academic schedule set by the University. The Time Table committee and Examination committee is constituted at the beginning of the academic year to plan the teaching, learning and evaluation schedules. The Academic Calendar (Prospectus) gives a detailed information regarding the instructional days for teaching learning which are fixed. Information pertaining to Intra Semester
Assessment (ISA), Semester End Examination (SEE) and evaluation schedules is also reflected in the Academic Calendar. Calendar of events with relevant information is also displayed time and again for the benefit of the teacher and students. The College implements a well drawn teaching plan keeping in mind other events and co-curricular activities (i.e. seminars, workshops, sports events etc.) which are organised in the College. The syllabus which is framed by the Board of studies appointed by the University is implemented threadbare by all the Departments. Elaboratoryorate planning is done by teachers who share the workload of teaching the same subject.

2.3.2. How does IQAC contribute to improve the teaching, learning process?

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaboratoryorative learning and independent learning among the students.

Student – centric education through appropriate methodologies facilitate effective learning. The following are some of the significant modes adopted in this regard. Students are encouraged to interact during the lecture Question – answer sessions, group discussions are held to have interactive learning. Students are encouraged to do reference work to prepare for examination and prepare their project papers. Assignment are given to encourage independent learning. Presentations my using PPT has been one of the common modes of internal assessment. Students are also given opportunities to prepare posters, wall papers, models, you tube video store enhance individual and collaboratoryorative learning. Students are also encouraged to use e – learning (i.e. digital story writing etc.). Guest lectures are also organised on topics related to the curriculum. Field trips, visit to local bodies e.g. Panchayat, industrial visits, institutional visits and study tours are conducted. The teachers employ interactive and participating approach to create a feeling of responsibility in learning and make learning a process of construction of knowledge. The support structures and systems available for teachers to develop skills like interactive learning, collaboratoryorative learning and independent learning among the students are as follows:-

- Classrooms are equipped with mounted LCD’s with wireless (WI-FI connection)
- Well equipped laboratories.
• Well equipped computer laboratory with internet facility.
• Committees, clubs, cells, associations such as Nature Club, Health Club, Movie Red Ribbon Club, AbhyasMandal (Literary Association), Science Association, commerce Association, Women Cell provide a platform to the students along with the teachers to take up activities which facilitate interactive, collaboratoryorative, and independent learning.

2.3.4. How does the Institution nurture critical thinking creativity and scientific temper among the students to transform them into life – long learners and innovators?

The Institution has adopted the following measures to nurture critical thinking, creativity and scientific temper among the students and to transform them into life long learners and innovators:

- Installation of the Students Council on democratic principles which shoulders the responsibility of organising and conducting various activities for the students. Questioning to help reasoning and involvement in the learning process is encouraged. Classroom seminars and discussions, participation in the Inter – Collegiate competitions, workshops, orientation programs etc. Clubs, Cells, Association such as Nature Club, movie club, red ribbon club, health club, Women’s Cell, Science Association, Abhyas Mandal (Literary Association) N.S.S. wherein students as members take up the responsibility of organising and conducting various activities. Theory studied in the classroom is validated in the laboratory and this enhances critical thinking. Library with subscription to large number of books and journals also provides opportunity to nurture critical thinking. Training at ICAR (mushroom cultivation), organising Consumer melas also helps to transform them into lifelong learners and innovators.

2.3.5. What are the technologies and facilities available and used by the faculty for effective teaching? E.g. Virtual laboratories, e-learning resources from National Programme on Technology, Enhanced Learning (NPTE) and national Mission on Education through Information and Communication Tech ology (NME-ICT), open educational resources, mobile education etc.)

The College has made available the following facilities and technologies for the faculty for effective teaching.

• Well equipped and spacious library with WI-FI connectivity, U.G.C. resource centrefor students and teachers to do web-researching.
• Classrooms are equipped with mounted LCD’s with wireless (WI-FI connection).
• Desktops, laptops and corresponding software.
• WI – FI for reference materials from Internet.
- Video presentation of genetic techniques NCBI, BLAST for sequencing.
- Audio – Visual aids, effective teaching through art films, Digital India online examinations etc.

2.3.6. How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

Students and faculty are exposed to advanced level of knowledge and skills in the following ways:
- Lecture on Money and RBI by Asst. Manager, RBI, Panaji was organised.
- Orientation Programme on Practical Banking was organised from 22nd April to 30th April 2013.
- The Project Paper at final year helps to develop research base among the students.
- Students and faculty members attend Seminars/Workshop lectures etc. organised by the College and other Institutions at the State, National and International level for Paper presentation.
- The faculty members publish Research papers in National and International journals.
- Faculty Development Programs are conducted by the College to equip teachers with latest trends in the field of education.
- Field trips/industrial visits/institutional visits/study tours are also organised.

2.3.7. Detail (process and the number of students benefitted) on the academic, personal and pay cho-social support and guidance services (professional counselling / mentoring / academic advice) provided to the students?

The Principal and faculty members are available for guidance, consultation and counselling to the students who are in need of it. The faculty members also interact with the parents when the need arises. Even the alumni of this Institution approach the faculty members and they are provided with required academic career and personal guidance. The College has a counselling cell as well. The College has engaged the services of a professional counsellor who visits twice in a week for professional counselling. Number of students who benefitted from the guidance of professional counsellor during the year were

2.3.8. Provide details of innovative teaching approaches / methods adopted by the faculty members during the last four years? What are the efforts made by the Institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?
Innovative teaching approaches / methods adopted by the faculty are as follows:-

- Interactive teaching, class seminars, discussions, practical problem solving, assignments and projects involving exposure to the real situation
- Digital story writing undertaken by the Department. of English. Streaking in Microbiology. The Department. of Hindi makes use of media to prepare Advertisement.
- The Department. of Physics is making the use of innovative methods to explain the Concept of services and parallel connection in electricity by asking the students to make flower garlands the way they have to connect different components of the circuit.
- Industry based and field based projects help the students to get acquainted with field surveys as a part of project paper. Students get an opportunity to interact with the officials of various organisations/institutions which helps them to develop self confidence and improve their communication skills.

The efforts made by the Institution to encourage the faculty to adopt innovative approaches –

- Well equipped Science / Geography / Psychology Laboratories.
- WI – FI for reference materials from internet.
- Classrooms are equipped with mounted LCD’s with wireless (WI – FI connection)
- Well equipped and spacious library with WI – FI connectivity. U.G.C. resource Centre for students and teachers to do web-searching.
- Well equipped Computer Laboratory with internet facility.

The impact of such innovative practices on students learning can be as follows:-

- Developing and enhancing soft skills.
- Curiosity for research is awakened.
- Enhances independent and blended learning among students.

2.3.9. How are library resources used to augment the teaching – learning process?

The Library Committee meets periodically to discuss on improvement of library facilities, proper selection of books, journals, magazines and other periodicals, Book Bank facility for students etc. The Library has been providing N – List services for students and teachers from 2012-2013. However, it is not functional at present due to change in mode of payment. Attempt is being made to revive it.
The Library is well equipped and spacious with WI–FI connectivity, U.G.C. resource centre for students and teacher to do web–searching. Internet facility is also provided. The Library is practicing the ‘Open Access System’ to provide free access to students to get required study material on time. Also provides ready reference service to prepare for examination, project report and assignments. The Library also offers Book Bank facility to the students. It maintains a Gate register to record. Library resources also help the students to refer and select the project topics in electronics, income-tax and Spoken English i.e. to prepare Presentations. The Library also conducts Orientation programme for the newly enrolled students to give them information about the library collection, library facilities and services. The Library also conducted lecture on 06.12.2014 on the topic ‘Open Access to knowledge and Information’ for the students and teachers. Even the Alumni has used the library facility to clear accountant/PSI Police entrance examinations. The Library has also a rare collection of English Literature Books which are made use of to do research and even the Students from University are allowed to refer to these books. The rare collection is approximately of 1000 books. On the basis of Library records every year the Best Library User award is given to the student.

2.3.10. Does the Institution face any challenges in completing the curriculum within the planned time frame and calendar? If ‘yes’ elaborate on the challenges encountered and the Institutional approaches to overcome these.

As per the University guidelines the teachers plan the curriculum at the beginning of the academic year. This enables the teacher to complete the curriculum in a systematic manner. If in case lectures are missed on account of activities such as Seminars, meetings, programs and other activities are compensated by engaging extra lecture, the College strictly adheres to the schedule to ensure that time allotted for academics is not lost. When any faculty goes on leave there is intra department adjustment of lectures / practicals.

2.3.11. How does the Institute monitor and evaluate the quality of teaching learning?

A committee is constituted by the Institution that monitor the evaluation of teaching / learning. The students evaluate the teachers and provide the feedback in the forms prepared by the evaluation committee. The teachers are requested by the principal to go through the observations made by the students. In case of adverse remarks the teacher is given guidance by the Principal to improve upon the same. After the Semester End Examination the results also reflect the quality of teaching / learning. A suggestion box is also installed which gives freedom to the students to give their feedback. The College adopts an open door policy and most of the time the students have discussions with the Principal / faculty personally or through the Students Council.
2.4. Teacher Quality.

2.4.1. Provide the following details and elaborate on the strategies adopted by the College in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

1. Recruitment procedure –
At the end of the academic year the HOD’s of the respective Department are requested to calculate departmental workload for the next academic year. This information is forwarded by the Principal to the Directorate of Higher Education. The process of recruitment is looked after by the Government. Applications are received online and after scrutiny only those applicants who fulfil the job requirements are called for interviews. The interview is conducted in a centralised manner. This procedure is made use of to select lecturers on contract/lecture basis. Appointments for lecturers on regular basis are made by Goa Public Service Commission. The posts are advertised in the local dailies and national periodicals. Applicants who fulfil the necessary requirements are interviewed by an interview panel selected by the Goa Public Service Commission.

2. Retention of faculty
The Institution works hard to retain its faculty by providing a number of incentives.
Conducive academic environment to promote academic research. The teachers are facilitated to undertake Ph.D and further research by availing UGC FIP and Sabbatical leave. They are also encouraged to take up research projects, participate in summer schools, professional trainings, seminars, conferences, workshops, orientation refresher courses etc.
Duty leave to attend State / National / International Level Seminars, workshops and conferences is also granted to teachers.

2.4.2. How does the Institution cope with the growing demand/scarcity of qualified senior faculty to teach new programs, modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the Institution in this direction and the outcome during the last three years. The existing qualified teachers take care of the growing demand of new technology by updating themselves through library references, internet etc. and also by attending workshops, conferences, short term courses, training programs etc. Arrangements are also made to get the guest faculties for such courses for the benefit of the students.
2.4.3. Provide details on staff development programs during the last four years and elaborate on the strategies adopted by the Institution in enhancing the teacher quality. The teachers take initiative to learn and keep abreast of the latest developments, to innovate, continuously seek improvement in their work and strive for individual and institutional excellence. Nomination to staff development programs.

2.4.4. What policies / systems are in place to recharge teachers? (e.g. providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialised programs industrial engagement etc.) The Institution encourages the teachers to submit proposal for availing FIP leave. Duty leave is granted to participate and present Research papers in Seminars and conferences.

FIP leave to the faculty

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The Institution also grants Sabbatical leave to the faculty to undertake Post – doctorate research.

Sabbatical leave to the Faculty

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2.4.5. Give the number of faculty who received awards/recognition at the State, National and International level for excellence in teaching during the last four
years. Enumerate how the institutional culture and environment contributed to such performance/achievement of faculty.

Nil

2.4.6. Has the Institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching – learning process?

Yes. The students evaluate the teachers on various parameter. The feedback collected from the students is analysed by the individual teacher and attempts are made by the teacher to improve in those areas where the feedback is not satisfactory.

2.5 Evaluation Process and Reforms.

2.5.1. How does the Institution ensure that the stakeholders of the Institution especially students and faculty are aware of the evaluation process?
The evaluation process is communicated to the faculty during the staff meetings. Notices, circulars etc. pertaining to evaluation are circulated and displayed in time and again on the notice board. At the beginning of every academic year, the Principal during the formal address to the students explains the evaluation process. The teaching faculty explains the evaluation process to the students. Ordinances and statutes related to the evaluation process as laid down by the Goa University are included in the Prospectus. Notices and circulars regarding the evaluation process are displayed on the Students Notice Board.

2.5.2. What are the major evaluation reforms of the University that Institution has adopted and what are the reforms initiated by the Institution on its own?
The pattern of evaluation as laid down by the Goa University is followed by the College. The semester system is followed wherein Intra – Semester Assessment (ISA) and Semester End Examination (SEE) are conducted.

The following are the reforms initiated by the Institution on its own to test ISA

- Assignments
- Role plays
- Presentations
- Making models
- Wall papers
- Group activity / Pair work
- Field trips
• Study Tours
• Dress code for ISA and Mock Viva

2.5.3. How does the Institution ensure effective implementation of the evaluation reforms of the University and those initiated by the Institution on its own? Various Committees such as ISA Committee, Examination Committee, Unfair Means Committee and Greviance Committee are constituted to ensure effective implementation of the evaluation reforms of the University.

2.5.4. Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

• Formative assessment

The ISA is conducted twice in a Semester. ISA carries 25% of maximum marks in a subject.

• Summative assessment.

The SEE is conducted at the end of the Semester and covers the entire syllabus prescribed for that Semester. It carries 80% of the maximum marks in a subject. SEE for Semester I to IV are conducted by the College on behalf of the University, whereas for Semester V and VI the SEE is conducted by the University. The system of ISA as incorporated in the University curriculum gives to the students the benefit of continue learning of the topics in the respective subjects. This also ensures higher performance in the examination and relieves the pressure considerably during the end of semester examinations.

In Physics (Electronics) paper students are motivated to take up mini – electronic projects as second ISA. Monthly tests are also conducted at the departmental level. Personal attention is given to slow learners to decrease the drop out rates. Oral assignment and quiz form part of the assessing Assignments in Registers in Accounting and Advance Accounting are also conducted.

2.5.5. Details on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioural aspects, independent learning, communication skills etc.)

The tentative dates of ISA are informed to the students in advance by the faculty members. The first ISA is compulsorily a written test which can be objective, short answer type etc. It is conducted by the teacher during his/her respective
lecture timing. The second ISA can be in the form of presentation/assignment, power point presentation/viva-voice etc. In Spoken English i.e. Interviews, Telephone Conversation, On the Spot Conversation, Debates, Presentations help to develop and improve Communication Skills and weightage is given to these aspects.

Newspaper analysis, Advertisements in Spoken English help to develop critical and independent learning and weightage is given to these aspects. Spoken English also gives weightage for behavioural aspects. ISA papers are shown to the students.

2.5.6. What are the graduate attributes specified by the College/affiliating University? How does the College ensure the attainment of these by the students? The College recognizes certain key factors as attributes which students should imbibe not only to be good human beings and good citizens but also to act as agents of change in the Society. Social harmony cutting across caste, religion, creed and gender is emphasized and stressed. Eminent personalities and NGO’s are invited to speak on the need and importance of social harmony to the students. Confidence building is another attribute which is sought to be imbibed by workshops, undertaking sessions on confidence building and by organising personality development programs for students. Social service is another attribute which the Institution strives to inculcate among the students through the activities conducted by the N. S. S.

2.5.7. What are the mechanisms for redressal of grievances with reference to evaluation both at the College and University level?
For Semester V and VI, students can apply for revaluation of answer books. Students of Semester I to IV can apply for Personal verification of answer books along with payment of prescribed fees. The student is permitted to go through the answer book in the presence of the concerned examinationiner. The student can apply to the Greviance Committee if he/she is not satisfied with the result of the personal verification of the answer book. The Greviance Committee will take appropriate action as per the relevant ordinance.

2.6. Student Performance and Learning Outcomes.

2.6.1. Does the College have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?
Yes, the College has clearly stated the learning outcomes of what a student should learn and demonstrate on successful completion of the course or the programme. It is seen in the acquisition of the skills and knowledge. They are embedded in the curriculum.
The curriculum or the syllabus is drafted for every course by the respective Board of Studies. The objective of the course are stated subject wise. This gives a good idea as to what the University expects its product to be like upon the successful completion of the course.

2.6.2. Enumerate on how the Institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programs/courses offered. The progress of the students is monitored in a systematic way –

The monthly attendance reports are displayed on the notice – board. The parents of those students having less than the stipulated attendance are informed accordingly. The ISA results are declared and the papers are shown to the students by the respective faculty members. After the declaration of the SEE results the results of those students who need Improvement are handed over to them in the presence of their parents. Results of the last four years.

2.6.3. How are the teaching, learning and assessment strategies of the Institution structured to facilitate the achievement of the intended learning outcomes?

A number of strategies planned by the teacher at individual subject level and others at the institution level help in achieving learning outcomes. Teachers think of the strategies separately while preparing teaching plans as different subjects require different course of action. The level of learning of the student is also considered. Slow learners are dealt with separately with extra time outside the classroom. Parents are also taken into confidence and informed about the performance of the students periodically.

2.6.4. What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship innovation and research aptitude development among students etc.) of the courses offered?

The students are encouraged to take up projects having social and economic relevance. They are also encouraged to participate in the Seminars, workshops and other activities which provide them exposure to the real world. The College conducts Seminars and workshops for students on employment opportunities also about courses which are available after graduation. Workshops on Personality development are conducted. The Placement Cell invites industries/companies for campus recruitment. Certificate courses was conducted by the Library department to provide the students skills for gainful employment. Industrial visits, field trips to research Institutions are also conducted. Social awareness is
created by organising street plays and cultural competitions. Entrepreneurs are invited to talk to the students about their business. Consumer mela and Micro bazaar was organised to create and enhance relevance of entrepreneurship.

2.6.5. How does the Institution collect and analyse data on student performance and learning outcomes and use it for planning and overcome barriers of learning? The record of the results of the students at the examination is conducted by the University and maintained by the College. These results are analysed and used by the teachers when drawing up their teaching plans. The teaching faculty interacts with the students and also the parents and this helps the Institution in overcoming barriers of learning.

2.6.6. How does the Institution monitor and ensure the achievement of learning outcomes?
The results of the students at the examination conducted by the University and the overall performance of the students help in monitoring and ensuring the achievements of the learning outcomes. The teachers evaluation by the students also help the institution in monitoring. Analysis of the results is placed before the teachers during the staff meetings. This helps in improving the learning outcomes.

2.6.7. Does the Institution and individual teachers use assessment / evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If ‘yes’ provide details on the process and cite a few examples.

- Yes. Achieving Learning outcomes need specific experiences to be provided to the students and evaluation of their attainment. Learning outcomes are evaluated and assessed so that they are not neglected in implementation. Learning outcomes are part of the evaluation protocol of the programme. The outcomes are used to assess the effectiveness in teaching learning process. If the outcome is poor then remedial coaching and guidance is provided to the students concerned.

Difficulty solving sessions, Counselling, additional help in the form of books / references / notes by the teaching faculty.
Motivating students to learn, personal attention after class hours and during free time to enhance the performance.

ENROLLMENT OF STUDENTS FOR THE YEAR 2011-16

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|        | April 2016 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Total  | Distinction | First | Second | Pass | Needs | Improvement | Total  | Distinction | First | Second | Pass | Needs |
| No. of Students |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|        | Innovate |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|        | Improvemen | d |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

<p>|        | April 2016 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Total  | Distinction | First | Second | Pass | Needs | Improvement | Total  | Distinction | First | Second | Pass | Needs |
| No. of Students |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |</p>
<table>
<thead>
<tr>
<th>S.Y BA (44)</th>
<th>M</th>
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<th>M</th>
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<th>M</th>
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<td>01</td>
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<table>
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<td>05</td>
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T.Y

<table>
<thead>
<tr>
<th></th>
<th>October 2015</th>
<th>April 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>Distinction</td>
<td>First</td>
</tr>
<tr>
<td>No. of Students</td>
<td>n</td>
<td></td>
</tr>
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</tr>
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<td>M</td>
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<td>M</td>
</tr>
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</tr>
</tbody>
</table>
CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?
No. However efforts are made to start Research Centers in different Departments of the college. Department of Konkani has already got the No Objection Certificate from Directorate of Higher Education, Government of Goa and has applied for affiliation to Goa University. The affiliation committee will be visiting the college shortly. The Department of Political Science has applied for No Objection Certificate from Directorate of Higher Education, Government of Goa.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.
Yes. The institution has a research committee appointed from time to time. This committee consists of members of the teaching faculty who have acumen for research. The members of Research Committee are:
1. Dr. Isabel Dennis, Associate Professor in English
2. Mr. Prashant Chodankar, Associate Professor in Physics
3. Ms Sujata Gaonkar, Associate Professor in Computer Science

The few of the recommendations made by the committee are:
- The committee members facilitate the staff and students of the institution to present research papers in conferences and seminars.
- It also gives guidance to interested staff members to publish their papers in reputed research journals.
- The staff is encouraged to pursue their further studies, M. Phil., Ph.D., Post Doctoral and also to apply for minor/major research projects.
- The institution also has been publishing its own in house research Journal titled ‘Khoj’. The Journal carries articles of interdisciplinary nature and of contemporary relevance.

The recommendations of the committee have created a congenial atmosphere for academic and research endeavours among the staff members. The college has 15 faculty members with Ph.D. degree, 06 have M.Phil. degree, while 05 members are pursuing further studies.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?
To facilitate smooth progress in implementation of Research, the institution takes
the following steps:

- Autonomy is given to the principal investigator
- There is timely release of financial resources received from different funding institutions like UGC and ICSSR.
- The college provides additional library facilities to the investigator.
- The science faculty is provided facilities such as instruments, chemicals which are required to carry out research projects.
- The faculty has availed study leave under F.I.P. of UGC.
- Two of our staff members have been able to take the benefit of sabbatical leave and have produced constructive research contributions.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The research culture is promoted among the students by adopting various strategies:

- The students have a project paper in the third year graduation. The students are motivated to take field based projects. They are enlightened on concepts like research methodology, framing and testing of hypothesis, sampling, techniques of data collection like survey, interview etc. Over the period of time the students have developed scientific temper and inclination towards research which has resulted in students producing quality projects. This exercise has also helped students to cope better when they go for post graduation and for other such further studies.
- The students are encouraged to do presentations in the class, and write quality assignments.
- The students are also encouraged to attend and present papers in seminars at various colleges and other institutions.
- Various eminent personalities are invited time to time and their talks are organized for the students.
- Various departments in the college annually organize field trips and study visits for the students which inculcates research culture on the campus. Visits are organized to industries, and to other institutions such as National Institution of Oceanography.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaboratoryative research activity, etc.

The following are the details of Faculty involvement in active research:

1. Guiding Student research: One of our faculty members, Dr Seema P. Rath, Associate Professor in Economics, is a Guide for a Ph.D. student of
Tilak Maharashtra University, Pune. The topic for the thesis is ‘Agricultural Practices and Farmers’ Education in Ponda Taluka of Goa’.

2. Leading Research Projects
The college has got two major projects and three minor projects funded by UGC and ICSSR.

**Major Projects:**
- **Completed:** Dr Seema P. Salgaonkar, Associate Professor in Political Science, completed her Major Research Project titled ‘Awareness at Gram Sabhas in Goa: Analyses and Perspective’ funded by ICSSR for the period from 2011-13.

- **Ongoing:** Mr. Jaison Joseph, Associate Professor of Physics is presently working on Major Project title ‘Surface and bulk studies of nano-particle spinel ferrite thin films’ funded by UGC-DAE-CSIR, Indore, for the period from September 2015-August 2017.

**Minor Projects:**
- Dr Seema P. Salgaonkar, Associate Professor in Political Science, completed her Minor Research Project titled ‘Empowerment of Women through WSHGs-A Case Study of Goa’ funded by UGC for the period from 2005-07.

- Mr. Jaison Joseph, Associate Professor in Physics, completed Minor Research Project ‘Synthesis, characterization and study of Electrical & Magnetic properties of Nanostructured Mixed ferrite materials’ funded by UGC for a period from August 2009-July 2012.

- Dr. Christina De Souza, Associate Professor in Economics, was sanctioned Minor Research Project by ICSSR, WRC, Mumbai titled ‘Unorganised sector: Social Protection of Vegetable Vendors in Goa’ for the year 2014-15.

3. Individual/collaboratoryorative Research Activity
The faculty of the college is dedicated towards carrying out quality research work. 16 out of 30 regular faculty members have Ph.D. qualifications. The rest are pursuing their doctoral studies.

<table>
<thead>
<tr>
<th>Table 3.1.1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Regular Faculty members</strong></td>
</tr>
<tr>
<td>30</td>
</tr>
</tbody>
</table>

Though students and their progress has been the main goal of the institution, the
faculty has written and published quality articles in reputed journals. Our faculties are on editorial boards, have written chapters in edited books, have authored books, presented papers in national and international conferences, and have received recognitions and awards for their research works.

### 3.1.6. Give details of workshops/ training programs/ sensitization programs conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Training and sensitization programs have been conducted by various departments in the college to imbibe research culture among the staff and students. Some of these programs are as follows:

- Marathi Department organized a state level workshop on the topic ‘Kavitalekhan: Tantra ani Mantra’ on 25\(^{th}\) February 2012. Students from various colleges and Higher Secondary schools participated in this workshop.
- The department of Mathematics organized one day workshop on Python Programming.
- The computer Science Department organized a workshop on ‘Hardware Maintenance and Troubleshooting and Cloud Computing’ on 8\(^{th}\) February 2016.
- Department of Chemistry organized in collaboration with association of Chemistry Teachers the ‘All Goa Intercolligate T.Y. B.Sc. Chemistry Quiz Competition’. It also organized a Concept Test in Chemistry to assess the conceptual understanding of students in the subject of Chemistry on 31\(^{st}\) August, 2015. The department organized a workshop on Science Day for School and Higher Secondary students on 27\(^{th}\) February 2016.
- The Department of Political Science organized a two day Seminar on ‘Women headed Panchayats and empowerment of Women at grassroots’ on 8-9\(^{th}\) July, 2016.

### 3.1.7 Provide details of prioritised research areas and the expertise available with the institution.

The prioritized research areas and expertise available with the college is given in the table below:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Subject</th>
<th>Area of Expertise</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Seema P. Rath</td>
<td>Economics</td>
<td>Economics of Education, Public Finance, Health Economics</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Lucas Miranda</td>
<td>Mathematics</td>
<td>Algebraic Topology</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Department</td>
<td>Specializations</td>
</tr>
<tr>
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<td>-------------------------------------------------------------------</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Prabirkumar Rath</td>
<td>Geography</td>
<td>Regional Planning, Tourism, sustainable development</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Jivexa J. Bhattacharjee</td>
<td>Chemistry</td>
<td>Organic Synthetic Chemistry</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. Christina De Souza</td>
<td>Economics</td>
<td>Laboratory your economics and Women Empowerment</td>
</tr>
<tr>
<td>6.</td>
<td>Dr. Tara Shankar Dey</td>
<td>Physical Education</td>
<td>Physicalsicalsiology and Exercise</td>
</tr>
<tr>
<td>7.</td>
<td>Shri. Jaison Joseph</td>
<td>Physics</td>
<td>Material Science and Nano magnetic materials</td>
</tr>
<tr>
<td>8.</td>
<td>Dr. Prakash R. Vazrikar</td>
<td>Konkani</td>
<td>Dramatics</td>
</tr>
<tr>
<td>9.</td>
<td>Smt. Asha B. Gahloth</td>
<td>Hindi</td>
<td>Hindi Literature</td>
</tr>
<tr>
<td>10.</td>
<td>Shri. Prashant V. Chodankar</td>
<td>Physics</td>
<td>Nano Technology</td>
</tr>
<tr>
<td>11.</td>
<td>Dr. Mahesh S. Pai</td>
<td>Psychology</td>
<td>Industrial Psychology and counseling</td>
</tr>
<tr>
<td>12.</td>
<td>Dr. Sitaram V. Sukthankar</td>
<td>Commerce</td>
<td>Tourism and Hotel Industry</td>
</tr>
<tr>
<td>13.</td>
<td>Dr. Dilecta D’Costa</td>
<td>Microbiology</td>
<td>Dairy Microbiology, Medical microbiology and Veterinary public health</td>
</tr>
<tr>
<td>14.</td>
<td>Dr. Isabel Dennis</td>
<td>English</td>
<td>English Literature</td>
</tr>
<tr>
<td>15.</td>
<td>Dr. Pravina Kerkar</td>
<td>Geography</td>
<td>Regional Planning and Tourism</td>
</tr>
<tr>
<td>16.</td>
<td>Smt. Marina Fatima</td>
<td>Microbiology</td>
<td>Food and Industrial Microbiology</td>
</tr>
<tr>
<td></td>
<td>Albuquerque</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>Smt. Sunetra S. Calangutkar</td>
<td>Marathi</td>
<td>Marathi Poetry</td>
</tr>
<tr>
<td>18.</td>
<td>Dr. Seema Salgaonkar</td>
<td>Political Science</td>
<td>Gender Studies, Grassroots Governance</td>
</tr>
<tr>
<td>19.</td>
<td>Dr. Beena Vernekar</td>
<td>Chemistry</td>
<td>Inorganic Synthetic Chemistry, Green Chemistry, Nano Science</td>
</tr>
<tr>
<td>20.</td>
<td>Dr. Rajashri Mordekar</td>
<td>Chemistry</td>
<td>Solid State Chemistry, Environmental, Chemistry, Bio-inorganic Chemistry</td>
</tr>
<tr>
<td>21.</td>
<td>Dr Sushanta Sapte</td>
<td>Microbiology</td>
<td>Medical Agricultural and Industrial Microbiology</td>
</tr>
</tbody>
</table>
3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The institution has been able to attract researchers to visit the campus and interact with teachers and students. The following table highlights the visits of researchers of eminence.

**Table 3.1.3**

<table>
<thead>
<tr>
<th>Name of the resource person</th>
<th>His /her association or designation</th>
<th>Topic deliberated</th>
<th>Date &amp; Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Dayanand Rao</td>
<td>Professor, Goa Medical College, Bambolim</td>
<td>Opportunities and Challenges for Youth</td>
<td>27-02-2016</td>
</tr>
<tr>
<td>Manguirish Pai Raiker</td>
<td>Ex. President, GCCI</td>
<td>Industry Expectation from Commerce Students</td>
<td>2-03-2016</td>
</tr>
<tr>
<td>Kashinath Naik</td>
<td>Managing Director, CMSF</td>
<td>Getting Industry Ready – Hard work ahead</td>
<td>3-03-2016</td>
</tr>
<tr>
<td>G. Shrinivas</td>
<td>Asst. Regional Manager, IGNOU (Goa)</td>
<td>IGNOU - Opportunities for Learning</td>
<td>4-03-2016</td>
</tr>
<tr>
<td>Dr. Kamlesh Fondekar</td>
<td>Head of Technology and Engineering , Syngenta, India</td>
<td>Challenges and Opportunities in Agro Industry</td>
<td>12-02-2016</td>
</tr>
<tr>
<td>Anita Haladi</td>
<td>Assist Prof, DM’s College, Mapusa</td>
<td>Tourism in Goa: Opportunities and Challenges</td>
<td>8-03-2016</td>
</tr>
<tr>
<td>Ravaji Gaonkar</td>
<td>Official on Field, SSA</td>
<td>SSA – an Insight</td>
<td>14-02-2015</td>
</tr>
<tr>
<td>Ronald Martins</td>
<td>Coordinator, GOACAN</td>
<td>Consumer Protection Act</td>
<td>17-8-2015</td>
</tr>
<tr>
<td>Shrirang Jambhle</td>
<td>Principal, Krishna Pai Raikar</td>
<td>Opportunities and Challenges for Rural Entrepreneurs</td>
<td>19-8-2015</td>
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<tr>
<td>Name</td>
<td>Position</td>
<td>Topic</td>
<td>Date</td>
</tr>
<tr>
<td>---------------------------</td>
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</tr>
<tr>
<td>Nilesh Amonkar</td>
<td>Corporate Trainer</td>
<td>Mantras of Success</td>
<td>8-08-2014</td>
</tr>
<tr>
<td>Miguel Braganza</td>
<td>President, Botanical Society of Goa</td>
<td>Organic Farming and its relevance &amp; Organic Oyster Mushroom Cultivation</td>
<td>10-12-2013,23-09-2014</td>
</tr>
<tr>
<td>Karan Manaral</td>
<td>Green Essential Entrepreneur</td>
<td>Winter Vegetable Cultivation</td>
<td>25-03-2014</td>
</tr>
<tr>
<td>K. Hiremath</td>
<td>Associate Professor of Botany</td>
<td>Ecological Pest Management</td>
<td>10-12-2013</td>
</tr>
<tr>
<td>Carolina collasso</td>
<td>High Court Advocate</td>
<td>Sexual Harassment of Women at Work place</td>
<td>07-10-2015</td>
</tr>
<tr>
<td>Ranjana Ferrao</td>
<td>Assistant Professor, Salgaokar College of Law</td>
<td>Role of Internal Complaints Committee</td>
<td>07-10-2015</td>
</tr>
<tr>
<td>Sham Prabhu</td>
<td>Technical Consultant</td>
<td>Effective Use of LCD Projector</td>
<td>13-08-2015</td>
</tr>
<tr>
<td>Hemant Ayya</td>
<td>Assistant Professor, Quepem</td>
<td>Rarangdhang</td>
<td>27-09-2013</td>
</tr>
<tr>
<td>Ashok Tilvi</td>
<td>Sana Guruji Kathamala</td>
<td>‘Shyamchi Aai’</td>
<td>25-08-2014</td>
</tr>
<tr>
<td>Somnath Komarpant</td>
<td>Marathi Department, Goa University</td>
<td>Sant Sohirobanath</td>
<td>13-03-2015</td>
</tr>
<tr>
<td>Vithal Thakur</td>
<td>Doctor</td>
<td>Lekhakashi Samvd</td>
<td>22-02-2016</td>
</tr>
<tr>
<td>Dr. Geeta Patki</td>
<td>HOD of Gynaecology, Ayurveda College</td>
<td>Tackling Women’s Woes through Ayurveda</td>
<td>8-3-2014</td>
</tr>
<tr>
<td>Dr. Celine Noronha</td>
<td>Primary Health Centre Doctor</td>
<td>World TB Day</td>
<td>24-3-2014</td>
</tr>
<tr>
<td>Dr. Oswald Fernandes</td>
<td>Chief medical officer</td>
<td>Vector Borne Diseases</td>
<td>16-7-2014</td>
</tr>
</tbody>
</table>
3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?
Two staff members (6.6%) have availed the Sabbatical leave for research activities.

Dr Beena Vernekar from Department of Chemistry availed the Sabbatical leave from 14/09/2013 to 14/05/2014 and from 19/05/2014 to 19/07/2014. During the period of sabbatical leave she carried out research work on drugs in interaction with metals as antimicrobials. She did her research at School of Chemistry, University of Hyderabad and got guidance from renounced scientist Prof. Samar K. Das. She also received Indian Academy of Scientists fellowship and worked under the guidance of Prof. Sabyasachi Sarkar at Indian Institute of Engineering, Science and Technology, Shibpur, Kolkata. This research has widened her knowledge of Chemistry in the areas of synthetic inorganic Chemistry, nanosciences.

Dr Seema P. Rath from Department of Economics availed Sabbatical leave for the period 02/07/2015 to 30/06/2016. She received Hugh Kelly Fellowship at Rhodes University, Grahamstown, South Africa. Her subject undertaken for research study is Health Economics related to Non Communicable diseases. Both the faculty members have published their research findings in reputed research journals.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (laboratory to land)
The staff of the college is continuously engaged in research activities. The research findings are discussed by the staff members among themselves as well as with the students. This leads to creating of awareness about various issues and ideas in the campus.

The staff also deliberates at various forums, deliver talks, present papers whereby they share the knowledge they have acquired through their research and reading to the community at large.

The students are encouraged to do their assignments as well as their projects in areas which will give them an insight into various issues and varied aspects of our society. The students have various projects at their credit which have successfully dealt with issues like women empowerment through Women Self Help Groups, impact of mining, the socio-economic impact of various schemes introduced by the Government of Goa etc.

Students are also motivated to participate in various conferences and seminars and gain knowledge which helps them to develop practical insight into issues and problems.

3.2 Resource Mobilization for Research
3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

Being a Government College, the college has no freedom to have budget earmarked for research. However the institution has provided for logistic support to the interested faculty members to carry out their research activities. The staff members are encouraged to apply for research grants from various funding agencies like UGC, ICSSR, etc. The institution has a policy whereby the institution reimburses participation fees of the faculty members attending Seminars/ conferences within and outside Goa. The institution also provides necessary infrastructure for the researchers to conduct his/her research.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

There is no provision to provide seed money to the faculty for research however the Directorate of Higher Education, Government of Goa has a scheme for funding research proposals for promoting science education.

3.2.3 What are the financial provisions made available to support research projects by students?
Separate financial provisions have not been made to support research projects, however the expenditures involved in the use of chemicals and instruments while
conducting research, is borne by the college in their regular purchase of chemicals and equipments. The students are provided with necessary infrastructure like internet facilities, books, library, computers, photocopying facility etc so that they can work on their research projects. Students are also provided travelling allowance to attend seminars and conferences within the state.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The staff of the college is involved in interdisciplinary research. The following table reflects the faculty and departments involved in the interdisciplinary research.

**Table 3.2.1**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the faculty</th>
<th>Title of the Project/research</th>
<th>Subject areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Seema P. Rath</td>
<td>Health Economics</td>
<td>Economics and Health Sciences</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Lucas Miranda</td>
<td>Knot Theory</td>
<td>Mathematics, Physics &amp; Molecular Biology</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Prabirkumar Rath</td>
<td>Regional Planning, Tourism, sustainable development</td>
<td>Geography, Economics &amp; Environment</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Christina De Souza</td>
<td>Women in unorganized sector</td>
<td>Laboratoryour economics and Women Empowerment</td>
</tr>
<tr>
<td></td>
<td>Dr Jivexa Bhattacharjee</td>
<td>Photocatalytic degradation of azo dyes</td>
<td>Chemistry &amp; Physics</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. Tara Shankar Dey</td>
<td>Physicalsicalsiology and Exercise</td>
<td>Physical Education, Anatomy &amp; Physicalsicalsiology</td>
</tr>
<tr>
<td>7.</td>
<td>Mr Prashantchodankar</td>
<td>Electronic/Optics</td>
<td>Physics &amp; Opto-Electronics</td>
</tr>
<tr>
<td>8.</td>
<td>Smt. Asha</td>
<td>21st century Hindi</td>
<td>Hindi, Sociology &amp; Political</td>
</tr>
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<tr>
<td>10.</td>
<td>Dr. Sitaram V. Sukthankar</td>
<td>Tourism and Hotel Industry</td>
<td>Commerce and tourism</td>
</tr>
<tr>
<td>11.</td>
<td>Isabel Dennis</td>
<td>Malcolm; A critique of his writings</td>
<td>English &amp; Sociology</td>
</tr>
<tr>
<td>12.</td>
<td>Dr. Dilecta D’Costa</td>
<td>Dairy Microbiology</td>
<td>Microbiology and Veterinary Public Health</td>
</tr>
<tr>
<td>13.</td>
<td>Dr Prakash Vazrikar</td>
<td>Konkani Drama</td>
<td>Konkani, Political Science, Sociology</td>
</tr>
<tr>
<td>14.</td>
<td>Dr. Pravina Kerkar</td>
<td>Regional Planning and Tourism</td>
<td>Geography and Tourism</td>
</tr>
<tr>
<td>15.</td>
<td>Smt. Marina Fatima Albuquerque</td>
<td>Biotechnological Applications of Yeast</td>
<td>Microbiology, Biotechnology and Botany</td>
</tr>
<tr>
<td>16.</td>
<td>Smt. Sunetra S. Calangutkar</td>
<td>Marathi Poetry</td>
<td>Marathi, Culture and Art</td>
</tr>
<tr>
<td>17.</td>
<td>Dr. Seema Salgaonkar</td>
<td>Awareness at Gram Sabhas</td>
<td>Gender Studies, Grassroots Governance</td>
</tr>
<tr>
<td>18.</td>
<td>Dr Beena Vernekar</td>
<td>Drugs as antimicrobials</td>
<td>Chemistry &amp; Biology</td>
</tr>
<tr>
<td>19.</td>
<td>Dr. Rajashri Mordekar</td>
<td>Industry dyes and effluent degradation</td>
<td>Chemistry, Biology and Environmental Studies</td>
</tr>
<tr>
<td>20.</td>
<td>Dr Sushanta Sapte</td>
<td>Medical Microbiology</td>
<td>Microbiology &amp; Medicine</td>
</tr>
</tbody>
</table>

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?  
The institution takes every measure to ensure optimum utilization of various equipments and other facilities available with the college. The students and the staff members are encouraged to make best use of facilities like library, internet, computers, photocopy machines, gymnasium, etc. The various equipments, instruments, and chemicals are optimally utilized by students across the science stream.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.
Four of our staff members have been able to receive grants under FIP of UGC. Also the institution has received funds from ICSSR and UGC for organizing seminars. Three of our staff members have also been financed by these bodies to conduct minor/major research project. The Syngenta India Limited has consented for upgrading Chemistry Laboratories for Research purpose.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The college has been always encouraging its staff members to apply for various research grants from funding agencies like UGC, ICSSR etc.

<table>
<thead>
<tr>
<th>Name of the project</th>
<th>Duration (years) From-To</th>
<th>Title of the project</th>
<th>Name of the Recipient</th>
<th>Name of funding agency</th>
<th>Total Grant received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor project</td>
<td>2009-2012</td>
<td>Synthesis, characterization and study of Electrical &amp; Magnetic properties of Nanostructured Mixed ferrite materials’</td>
<td>Jaison Joseph, Department of Physics</td>
<td>UGC</td>
<td>100000/-</td>
</tr>
<tr>
<td>Minor project</td>
<td>2014-2015</td>
<td>Unorganised sector: Social Protection of Vegetable Vendors in Goa</td>
<td>Christina De Souza, Department of Economics</td>
<td>ICSSR WRO, Mumbai</td>
<td>60,000/-</td>
</tr>
<tr>
<td>Major project</td>
<td>2011-2013</td>
<td>Gram Sabhas in Goa: Analysis and Perspective</td>
<td>Seema P. Salgaonkar, Department of Political Science</td>
<td>ICSSR</td>
<td>4,37000/-</td>
</tr>
<tr>
<td>Major project</td>
<td>2015-2017</td>
<td>Surface and bulk studies of nano-particle spinel ferrite thin films</td>
<td>Jaison Joseph, Department of Physics</td>
<td>UGC-DAE-CSR, Indore</td>
<td>2,00000/-</td>
</tr>
</tbody>
</table>
3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?
The college strives to provide good research environment to the students and research scholars. It provides:

- Library facilities
- Space
- Internet facilities, computers, provision of photocopies etc.
- Duty leaves to staff members for attending seminars and presenting papers
- The department of Physics, Chemistry and Microbiology also has basic and advance instruments available in their departments which facilitate research experiments.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?
The institution has strategies for upgrading research facilities. Directorate of Higher Education, Government of Goa has upgraded and renovated all science laboratories to meet the needs of faculty and students who are actively involved in research activities. The institution also plans to have a full fledged Resource Centre with Wi-Fi facility. It also has plans to subscribe for e-journals and explore other means for accessing information.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If ‘yes’, what are the instruments/facilities created during the last four years.
The college has not got any special grant or support from industry for developing research facilities.

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?
The students and staff of the college have been able to get the benefit of research facilities outside the campus and from research laboratories from various institutions. Some of these institutions and research facilities provided by them are highlighted in the table below:

<table>
<thead>
<tr>
<th>Institutions outside college campus</th>
<th>Facilities availed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bhabha Atomic Research Centre (BARC)</td>
<td>Mossbauer Spectroscopy</td>
</tr>
<tr>
<td>Goa University</td>
<td>X-Ray Diffractometer (XRD), Vibrating Sample Magnetometer (VSM), Scanning Electron Microscope</td>
</tr>
<tr>
<td>Kerala University</td>
<td>Raman Spectroscopy and Radio Frequency Sputtering technique.</td>
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<td>------------------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram</td>
<td>Transmission Electron Microscope (TEM) and SEM</td>
</tr>
<tr>
<td>UGC- DAE- CSR, Centre for Scientific Research, Indore</td>
<td>Atomic Force Microscope (AFM), VSM, Pulse Laser Depositor (PLD), Super Conducting Quantum interface Device (SQUID) VSM</td>
</tr>
<tr>
<td>National Institute of Oceanography (NIO), Goa</td>
<td>Scanning electron microscopy (SEM), X-ray diffraction (XRD)</td>
</tr>
<tr>
<td>Indian Council of Agricultural Research (ICAR)</td>
<td>Laminar air flow, Polymerase chain Reaction, Pulsed Field Gel Electrophoreses</td>
</tr>
</tbody>
</table>

3.3.5 Provide details on the library/information resource center or any other facilities available specifically for the researchers?

The researchers have been able to take the benefit of College Library, Central Library Panaji, and Goa University Library, Taleigao.

3.3.6 What are the collaborative or research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Nil

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

* Patents obtained and filed (process and product)

Nil

* Original research contributing to product improvement

Nil

* Research studies or surveys benefiting the community or improving the services

The research carried out in social sciences has been beneficial to the community. Studies conducted on Women Self Help Groups, on women in unorganised sector, women in Panchayats have given impetus to understand the hurdles in the process of women empowerment. Studies conducted in grassroots governance, on small scale entrepreneurship, on soil fertility, etc has also benefited the community at large. The experiments and research undertaken by Science faculty has also contributed to the community development. The microbiology department carried out testing of well water of surrounding areas of the college for its portability. This Department also provides guidance on water pollution in river Mandovi and how to tackle flower waste management.
3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The institution publishes in-house interdisciplinary journal titled ‘Khoj’. The members of the editorial board of this journal are staff members who have the acumen for research and have published research papers in reputed journals and books. The editorial board members are:

1. Dr. Isabel Dennis, Associate Professor in English
2. Mr. Prashant Chodankar, Associate Professor in Physics
3. Ms Sujata Gaonkar, Associate Professor in Computer Science

The institution invites research articles from the faculty for publication in the research journal. The editorial board reviews the articles before publishing the same and if necessary the articles are revised for publication.

3.4.3 Give details of publications by the faculty and students:

* Publication per faculty

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<tr>
<th></th>
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<tbody>
<tr>
<td>Dr Seema P. Rath</td>
<td>10</td>
<td>02</td>
<td>-</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Dr Christina D’ Souza</td>
<td>17</td>
<td>02</td>
<td>02</td>
<td></td>
<td>21</td>
</tr>
<tr>
<td>Ms Asha Gehloth</td>
<td>01</td>
<td>06</td>
<td>-</td>
<td></td>
<td></td>
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<tr>
<td>Dr. Jaison Joseph</td>
<td>01</td>
<td>06</td>
<td>01</td>
<td></td>
<td>08</td>
</tr>
<tr>
<td>Dr Seema P. Salgaonkar</td>
<td>13</td>
<td>03</td>
<td>01</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Dr Sushanta Sapte</td>
<td>02</td>
<td>03</td>
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<td>05</td>
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<tr>
<td>Radhamani Divakar</td>
<td></td>
<td>06</td>
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<td>06</td>
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<tr>
<td>Dr Sitaram Sukhtankar</td>
<td>03</td>
<td>01</td>
<td></td>
<td></td>
<td>04</td>
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<tr>
<td>Dr Rajashri Mordekar</td>
<td></td>
<td>03</td>
<td>01</td>
<td></td>
<td>04</td>
</tr>
<tr>
<td>Ranjana Sawaikar</td>
<td>01</td>
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</tr>
<tr>
<td>Name</td>
<td>Title</td>
<td>Journal</td>
<td>Volume</td>
<td>Issue</td>
<td>Year</td>
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<tr>
<td>Dr Pravina Kerkar</td>
<td></td>
<td>The Goa Geographer</td>
<td>VII</td>
<td></td>
<td>2010</td>
</tr>
<tr>
<td>Sunetra Calangutkar</td>
<td></td>
<td>The Goa Geographer</td>
<td>VIII</td>
<td>1</td>
<td>2011</td>
</tr>
<tr>
<td>Dr. Dilecta D’Costa</td>
<td></td>
<td>Researcher’s Today</td>
<td>2</td>
<td>1</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>Rath S., “Climate Change and Occupation with reference to Agriculture in India” (Joint Paper)</td>
<td>The Goa Geographer</td>
<td>X</td>
<td>1</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td>Rath S., “Female Work Participation in Goa”</td>
<td>The Goa Geographer</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Rath S., “An Overview of Current Inflation in India”</td>
<td>Researcher’s Today</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rath S., Tariq M., Mushoriwa F., Chigumete T., Morobi T., &amp; Srinivas S., 2015, Economics of Non-Communicable Diseases: Case Study of South Africa and India</td>
<td>Indian Journal of Pharmacy Practice</td>
<td>8</td>
<td>3</td>
<td>2015</td>
<td></td>
</tr>
</tbody>
</table>


Christina D’ Souza, June; 2010, *Climate Change: Measures of Mitigation and Implications of Commitments to Climate Change Policy for India*, *University News* (Special Issue), Vol. 48 No. 24 Pgs. 131-134, ISSN 0566-2257.


Ms Asha Ghaloth, ‘दत्तात्रयकेदुखसेगुजरतेहुए’ and ‘एकविसाव्याशेकड याांतलीवहन्दीकविता’ in ‘Govapuri’ a Magazine by Institute of Menezes Braganza, Panjim.

Ms Asha Ghaloth, ‘समकालीनहिन्दीकविता’ in the Book ‘Samkaleen Bhartiya Sahitya’ Published by Konkani Department, Carmel College, Nuvem.


Jaison Joseph, R. B. Tangsali et al; Microstructure and Magnetic Properties of Nano Crystalline Manganese Ferrite Thin Film Fabricated by Pulse Laser Deposition, Accepted for publication in Advanced Science Letters.

Jaison Joseph, R. B. Tangsali et al; Resistivity-Thermo power Co-relation Derived Temperature Dependent Transport Behaviour of Mn_xZn1-xFe_2O_4 Nanoparticles. (communicated)

Seema P. Salgaonkar November; 2011, Loan as a Linkage between Banks and WSHGs, Bhruti - Journal of Business and Finance, Vol. 1, ISSN: 2321-7685.

Seema P. Salgaonkar July –Dec; 2011, Gram Sabhas Gaining Momentum in Goa - Instances of political Empowerment, Dynamics of Public Administration, Vol. 28, No. 2, ISSN: 0975-3907, ISSN: 0975-3907.


Seema P. Salgaonkar January 1; 2015, Significance of Participation at Gram Sabha & Implications for Reforms: Insights from Goa, Atharva, ISSN: 0973-9475.


Seema P. Salgaonkar March 14-20; 2016, Small Size of the State and Stride in Education: An Insight from Goa, University News, ISSN-0566-2275.


Rajashri, Mordekar., April, 2014, Comparison of degradation of Methylene blue dye by ZnO, n doped ZnO and iron ore rejects, European Chemical Bulletin, section B, ISSN 2063-5346.


Sitaram Sukhtankar, 2013, Tourism & Hotel Industry in Goa- A Study, Ahtarva, Vol 8 No 5, May, 2013.ISSN 0973947-S


Sitaram Sukhtankar, 2013, Educational Tours: A Study, Atharva, Vol 9, No 7, July 1, 2014 ISSN 0973947-S.


* 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.)
Research article titled ‘Gram Sabhas Gaining Momentum in Goa - Instances of political Empowerment’ by Seema P. Salgaonkar is published in Dynamics of Public Administration (July-December, 2011) which is Indexed/Abstracted in Index Copernicus, J-Gate, EBSCO Discovery, Summon (Proquest), Google Scholar, Indian Science Abstracts and Indian Citation Index.

*Monographs

* Chapter in Books


* Books Edited
  Nil

* Books with ISBN/ISSN numbers with details of publishers


Prakash Vazrikar, Associate Professor in Konkani Department has a list of Konkani Plays written by him. Some of them are:

- Ek Buto Fullo
- Ghattan Kanachem?
- To Ek Dis
- Saad Antarmanacho
- The Riot to Vote
- Vajraghat

He has also co-authored book titled ‘Karbari Konkani’ (Functional Konkani).

* Citation Index
  Nil

* SNIP
  Nil

* SJR
  Nil

* Impact factor

Sitaram Sukhtankar, May-June, 2013, A study on growth of hotel industry in Goa, IOSRJournal of Humanities & Social Sciences, Vol. 11, Issue 2, ISSN NO 2279-0845. Impact factor 1.607

☆ h-index
Nil

3.4.4 Provide details (if any) of
☆ research awards received by the faculty
The faculty members have received various awards and recognitions:
Seema P. Rath, 2015, received Hugh Kelly Fellowship at Rhodes University, Grahamstown, South Africa.
Jaison Joseph, 2010, was awarded by Indian academy of sciences teacher fellowship 2010, and was posted SSPD, BARC, Mumbai and his area of research was Ferrite material Mössbauer spectroscopy.
Prakash Vazrikar, 2008, received “Lt. Sadanand Khanolkar Literary Award” Constituted by Konkani Kala ani Sahitya Kendra, Churchorem for the book “Ani Ek Buto Fullo”.
Prakash Vazrikar, 2010, was awarded “D.D kossambe Sr. fellowship of Department of Arts and Culture, Government of Goa for the study on “Kokni Natak Chalvalicho Saunskrutik Itihas”, 2010.

Dilecta D’Costa, H.O.D. of Microbiology attended a three day International Conference on “Ecotoxicology & Environmental Sciences” organized by “Institute of Ecotoxicology and Environmental Sciences at Kochi, Kerala – India from 15th -17th February 2016 , in which she secured 1st place with a gold medal for the paper entitled “Comparative Study Of Bacterial Flora Along River Mandovi”.

Dilecta D’Souza bagged Gold medal for the best paper titled ‘Comparative study of Bacterial Flora along the Mandovi River’, by Institute of Ecotoxicology and Environmental Sciences, held at CIFI, Kochi, Kerala. She also bagged Consolation prize for Best Paper Award by Shivaji University, Kholapur.

Sushanta Sapte was awarded 2nd place for poster at Biosciences – Biocomp, Shivaji University, Kholapur. The title of the poster was Diversity among Listeria monocytogenes isolated from animal clinical cases.
**Dr. Beena Vernekar** was awarded fellowship by UGC Networking Resource Centre Hyderabad to work under project “Influence of external stimuli on the structural diversity of mefenamates interacting with nitrogen donor ligands” at school of Chemistry Hyderabad University Hyderabad from 14th September 2013 to 14th May 2014 and successfully completed on 14th May 2014.

**Dr. Beena Vernekar** Awarded fellowship of Indian Academy of Sciences and completed summer research project on “Graphene Oxide and its interaction with Super Fullerenes” under the guidance of Prof. S. Sarkar, Indian Institute of Science and Engineering, Shibpur, West Bengal from 19th May 2014 to 19th July 2014.

**Dr. Rajashri Mordekar** was awarded second place for Best Oral Presentation for paper entitled “Pyrochlore Oxides for disposal of Nuclear Wastes” presented at UGC sponsored National Conference on Physics and Chemistry of advanced Materials held at C. B. Khedgi’s Basaveshwar Science college, Raja Vijaysinh Commerce and Raja Jaysinh Arts College Akkalkot –Solapur on 18-19 December 2013.

* recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

**Prakash Vazrikar, 2009,** received “Yuva Srujan Puraskar” (Literature) by Department of Arts and Culture Government of Goa.

**Dr Prakash Vazrikar, 2005,** bagged 1st place for best script writer of Marathi drama “Ethe Ethe Pani” at State Level Drama Competition organized Kala Academy Panaji.

**Dr Prakash Vazrikar, 2006,** bagged 1st place for best script writer of Konkani drama “To Ek DisKonkani” at State Level Drama Competition organized Kala Academy Panaji.

**Dr Prakash Vazrikar, 2006,** bagged 1st place for best script writer of Konkani drama “Discharge Summary” at State Level Drama Competition organized Rajiv Kala Mandir, Ponda.

**Dr Prakash Vazrikar, 2006,** bagged 1st place for best script writer of Konkani drama “Partiche Vater” at State Level Drama Competition organized by Sankalp Theatre, Curchorem.

**Dr Prakash Vazrikar, 2008,** bagged 1st place for best script writer of Konkani drama “Dakhonm Tumka?” at State Level Drama Competition organized by Sankalp Theatre, Curchorem.

**Dr Prakash Vazrikar, 2009,** bagged 1st place for best script writer of Konkani drama “The Riot to Vote” at State Level Drama Competition organized by Sankalp Theatre, Curchorem.

**Dr Prakash Vazrikar, 2010,** bagged 2nd place for best script writer of Konkani drama “Homkand” at State Level Drama Competition organized by Kala Academy, Panaji.
Dr Prakash Vazrikar, 2011, bagged 2nd place for best script writer of Konkani Marathi drama “Ek Matacha Raja”, at State level Drama Competition organized by Kala Academy, Panaji.

Dr Prakash Vazrikar, 2012, bagged 1st place for best script writer of Marathi drama “Gav Khali Karnyacha Bhonga” at State level Drama Competition organized by Kala Academy, Panaji.

Dr Prakash Vazrikar, 2013, bagged 1st place for best script writer of Konkani idrama “Aut de Fe” at State level Drama Competition organized by Kala Academy, Panaji.

Dr Prakash Vazrikar, 2014, bagged 1st place for best script writer of Konkani drama “Anand Mathi” at State level Drama Competition organized by Kala Academy, Panaji.

* incentives given to faculty for receiving state, national and international recognitions for research contributions.

The institute appreciates the faculty for getting laurels to the institution and encourages them in whatever way possible.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute/Industries interface?
There are various measures undertaken by the college to promote institution – industry interface.

- The college continuously interacts with the two neighbouring industrial estates Khorlim and Kundaim. There is industrial visit organized for the students annually.
- Students also undertake report writing. At their V and VI semester level they are encouraged to undertake industry related projects.
- The college invites the professionals from the industries on regular basis to deliver their expertise on various aspects of industry. Thus there is imparting of skills to the students and also possibilities are explored for employment opportunities.
- The college also interacts with various other financial institution like banks in the locality, NGO’s like Sangath, Clubs like Rotary Club, Government departments like GIPARD, etc. which also helps in promoting the interest of the institution.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?
The college does not have a policy on consultancy. However the college encourages the staff members to utilize and promote their expertise in different ways:

- Through college website.
The college also forwards curriculum vitae of the staff to various institutions and industry within as well as outside Goa.

The faculty of the college has served in various capacities and shared their expertise. Some of the staff members of the college are on Board of Studies in their respective subjects.

Our staff members have also had the honour to be members of various committees appointed by Government of Goa from time to time.

Our staff was appointed as Master Trainers for training the staff for Parliamentary as well State legislative elections.

The faculty of the college is often invited as resource persons where they share their expertise with others.

3.5.3. How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The institution encourages the staff to utilize their expertise in the following ways:

- The college facilitates the faculty to provide consultancy by granting duty leave, adjustment in the lectures etc.
- Providing other facilities like internet, photocopy, and library for collecting the required data.
- The teaching faculty is encouraged to apply for various projects and to carry out research so that they gain the expertise in different areas.

3.5.4. List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The type of consultancy provided depends upon the type of specialization the staff members are expert in. The area of research, the interest of the faculty and the type of consultancy required by the institution/body seeking consultancy decides the consultancy provided by the staff. Thus department of Konkani, Marathi, Hindi and English normally are involved in consultancy relating to literature and translations, the departments of Economics and Political Science are into promotion of Gender Empowerment by providing consultancy for formation of WSHGs, the department of Microbiology is consulted for food safety and nutrition.

The Department of Computer Science conducted a Certificate Course in Web development in ASP.NET and C# with SQL Server for the 24 students of the department and generated an income of Rs. 31,200/- A balance amount of Rs 14,750/- was credited to the College Account. The Course of 3 months duration was conducted from 11th Jan 2012 .Another Certificate Course on PHP and MySQL from 10th May 2010 to 5th June 2010. 17 students attended the course. The Income generated was 22100/-.Mr. Govind Kelkar, faculty of Computer Science, Government College, Khandola and Mr. Philip Rodrigues, faculty of Computer Science, Government College, Quepem developed a software for computerization of Examination results of first year and second year students of
Goa University. This software is in use at many of the colleges in Goa. The Library of the college has started four month Certificate course in Library and information Science in Association with state central Library Panaji from April 2009. The library has produced 95 semi professional students to cater needs of the library dealing hand in Goa. The total revenue generated is Rs. 4,48,000/-. Being a Government institution the consultancy is provided without charging any fees. Some institutions seeking consultancy from the college staff, provide basic T.A./D.A. to the staff members to provide consultancy.

3.5.5. What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?
The college does not generate income through consultancy since the college is a government institution.

3.6 Extension Activities and Institutional Social Responsibility (ISR)
3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?
The institution promotes institution – neighborhood – community network through its various committees and cells appointed from time to time. Majority of these activities are organized through NSS Cell. Some of these activities are listed below:

- Blood donation camps
- Visits to Old age home (Snehmandir in Ponda) and School for especially able children.
- NSS special camp
- AID’s awareness program
- Anti-plastic drive
- Distribution of cloth bags
- Swaccha Bharat Abhiyan

The college also undertakes activities through its various departments and clubs like health club and Nature club. Following are the activities:

- Sensitization rallies
- Street plays on social issues
- Health awareness camps through Yoga and Ayurveda.

3.6.2 What is the Institutional mechanism to track students’ involvement in various social movements/activities which promote citizenship roles?
Student’s involvement in various social activities is encouraged and tracked through various cells, committees like NSS and also through Alumni Association.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?
The college has various mechanisms to track the perception of various stake holders about the performance of the institution.

- **Through Parent Teacher Association (PTA)**
  - Besides normal meetings of PTA, the Attendance and Examination committees are continuously in touch with the wards of the students.
  - Parents are called to collect the results of academically weak students.
  - Parents are informed in advance if the attendance of the student is poor.

- **Through Feedback Mechanism**
  - Feedback on the teaching faculty from the students. A set questionnaire is given to the students where in they have to answer on the basis of ranking scale from 1-10 and the questions asked are about teacher’s teaching ability, language, use of teaching aid etc. The feedback received is analysed and the same is conveyed to the concerned teachers for necessary action.
  - There is interaction with the Alumni Cell. There are meetings held with the passed out students and their suggestions are sought and implemented wherever possible.
  - There is a Cell for Grievance Redressal Mechanism. Also the environment in the college is so congenial where in student is free to directly approach the concerned faculty regarding his/her difficulty.
  - The complaint and suggestion boxes are provided at prominent places in the campus which are open periodically and appropriate action is taken.

3.6.4 **How does the institution plan and organize its extension and outreach programs?** Providing the budgetary details for last four years, list the major extension and outreach programs and their impact on the overall development of students.

The institution organizes its extension activities through various departments of the institution and its various committees and cells appointed from time to time. At the beginning of the academic year, the different committee plan out their calendar of activities to be carried out for that year. The extension activities are carried out through committees like NSS, Health club, Nature club, Women’s cell etc.

Most of the extension activities are carried out under NSS committee. The NSS unit of our college receives funds from Government of Goa to carry out regular activities as well as special camp for the college students. The detail of the grants utilized by NSS is given in the table below:

**Grants utilized by NSS**

<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
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<td></td>
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<td>25834.00</td>
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</table>
Some of extensions activities carried out by the various committees of the college are:
- Free distribution of plant saplings
- Anti plastic drive by distributing free cloth bags
- Collection of empty milk packets for recycling
- Blood donation
- Swacch Bharat Abhiyan
- Awareness drive on diseases like AIDS and Cancer
- EPIC Drive
- Inclusion Drive for vulnerable and marginalized sections.
- Entrepreneurship Development Programme

The students are benefited by these various activities. They become more informed, enlightened and this helps them in becoming better citizens of the country.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

Participation in NSS is voluntary. The students are encouraged to undertake various extension activities. For the first year students, in the beginning of the academic year, there is an orientation programme where in they are explained the importance of the extension activities. They are also informed about how opting for NSS will not only make them eligible for grace marks for the examinations, but it will also help them to undertake humanitarian works.

For semester V and VI students there is compulsory Project work where in they are motivated to take research based projects. This satisfies dual goal:
1. The students interact with the surroundings, locality, people and thus inculcate the spirit of social service.
2. The data collected and analyzed also helps in understanding some of the community issues. Like for examples the project work based on Women Self help groups, or functioning of Banastarim village market, or socio-economic wellbeing of motorcycle pilots in Goa has helped the students as well the institution in creating the data base for further studies on social issues.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

The college promotes interests of the students from underprivileged and vulnerable sections of the society by undertaking various measures. Few highlights:
Orientation is given to the first year students on the various schemes given by the Government such as post matric scholarship to OBC, ST/SC, bursary scheme, Students Aid fund etc. These schemes are widely popularized among the students. The college facilitates students to avail these schemes by forming a committee. This committee distributes the forms, instructs the students on how to go about filling of forms and required documents to be attached, etc. This Committee, on a stipulated date, collects the forms from the students and forwards it to the Government on behalf of the students. The college also has SC and ST cell. This cell from time to time addresses the needs of the SC and ST student community.

3.6.7. Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement student’s academic learning experience and specify the values and skills inculcated.

The exposure to extension activities has provided an insight to the students on various problems and issues in the society and students’ role and responsibility towards solving them. It also makes the students more humane and compassionate. It creates in them a sense of oneness. Various activities of NSS teach the students importance of teamwork. It also inculcates feeling of patriotism.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The involvement of the community is encouraged by the institution through various committees like NSS, Health club and Nature club. Individual staff members and their departments also involve the people in the neighborhood and encourage community participation through various activities.

Activities ensuring involvement of the community
- Pink ribbon program
- Malaria awareness program
- Training program on “Tackling Women’s Woes through Ayurveda”
- Workshop on TB prevention
- Workshop on Nutrition
- Free distribution of cotton bags by NSS in collaboration with Marcel Panchayat
- Rally and campaigns on gender issues.
- Street plays for local villagers on social issues like corruption, election, water conservation and women issues.
- Gender awareness Programs
- Workshop on Speak up against Violence behind closed doors.
- Medical camps for people
- Distribution of free plant saplings to the community
- Visits by the doctors to benefit the local people.
- Summer camps for the school children
- Visit to old age home for interacting with them
- Visit to especially able children’s school

The various research activities carried out by the staff members from time to time also contributes to the community development for example, the Microbiology department carried out Well water Analysis in the surrounding locality of the college.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The college maintains constructive relations with the following institutions:

A) Government departments:
   - Election commission
   - Department of Social Welfare
   - Primary Health Centre, Betki
   - Goa University
   - Central library
   - Village Panchayats
   - GIPARD (Goa Institute of Public Administration and Rural Development)
   - National Institute of Oceanography
   - Police Department
   - Indian Council for Agricultural Research
   - Goa Medical College
   - ELA Farm
   - Goa Pollution Control Board
   - Department of Science and Technology
   - Department of Information of Technology
   - Goa State Aids Control Society
   - Institute Menezes Braganza

B) Non-Government departments:
   - Sesa Goa (Vedanta)
   - Syngenta India Ltd.
   - Vergo Pharma
   - Savoi Plantations
   - MAARG (NGO for Transport regulation)
   - Rotary Club
   - Red Ribbon Club
   - Sangath (NGO)
   - Art of Living Foundation
   - Matruchaya (Orphanage home)
3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

The students of the college have won several prizes and awards in various competitions on themes which are oriented towards social cause. Our students have actively participated in elocutions; drama and street play competitions and have brought laurels to the college for example, the students of the college participated in the street play competition organized by Office of Chief Electoral Officer in association with Government College Quepem to commemorate National Voters Day in January 2014, and secured third place for the same.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives-collaboratoryorative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The college faculties collaborate and interact with different research institutions and industry as and when necessary. The department of Microbiology has collaboration with ICAR. Department of Chemistry has interacted with Syngenta and NIO. Geography department has collaboration with Smt. Parvatibai Chowgule College of Arts and Science, Margao. Department of Commerce collaborates with Goa Chamber of Commerce and Industry. Department of Political Science collaborates with GIPARD.

These linkages and interactions enable the staff and students to work on their research activities. The students have accessibility to the libraries of these institutions. The eminent persons working in these institutions are often invited to deliver talks on relevant topics to the students. Study visits to these institutions increases the knowledge of the students as they get practical insight in various aspects dealings with our lives. Some of these collaborations have also resulted in students getting placements in these institutions after they complete their studies.

3.7.2 Provide details on the MOUs/collaboratoryorative arrangements (if any) with institutions of national importance/other universities/industries/corporate (corporate entities) etc. And how they have contributed to the development of the institution.

The College has signed a MOU with GIPARD, Old Goa, and various activities are planned in collaborations with each other. The collaboration aims to promote common interest for training, research and allied activities between two organizations through mutual sharing and cooperation. The MOU provides a framework of cooperation and facilitate collaboration between the two institutions to meet the broader goal of training and capacity building.
of government employees, elected representatives and civil society. The MOU will promote collaborative academic exchange through faculty, students, lectures and publications.

The Department of Physics has collaborated with Goa Medical College, Bambolim. Goa Medical College has started various Allied Health Science Courses from the Academic Year 2013-14, one of which is Bachelor of Optometry. The department of Physics collaborated with Goa Medical College (GMC) by shoulder the responsibility of conducting the practical in Geometrical Optics & Physical Optics for the students of First year Bachelor of Optometry of GMC since 2013-14. Practical examinations for these students are also conducted at Department of Physics on behalf of Goa University.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/upgradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/library/new technology/placement services etc.

There are various benefits of industry institution community interaction which the college has been able to avail:

- These interactions have enabled the Science Departments in creating opportunities for summer internship programs for the students.
- It has widened the scope for work placements for the students after they complete their graduation.
- It also facilitates field trips, study visits by the students of this college to these institutions.
- College Linkage with various Funding agencies like UGC, ICSSR has also benefitted the staff in getting funds to carry out various research activities.

3.7.4 Highlight the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

A One Day Seminar was organized by the college on the Topic ‘The Need of Swatchh Bharat – Nital Goem’ on 27th February 2015. The Seminar was inaugurated by honourable Governor of Goa, Smt. Mridula Sinha. The eminent speaker for the Seminar was Mr. Martin Ghosh, Site Manager of Syngenta India Ltd.

Two day Seminar funded by UGC was organized by the Department of Political Science on 8-9th July, 2016. The theme of the Seminar was ‘Women headed Panchayats and Empowerment of Women at Grassroots’. The Seminar was attended by 80 participants, and included women sarpanchas, NGO members, WSHG members, and faculty from different colleges and students. The Speaker for this Seminar was Dr Radhika Nayak, Chairperson of Ponda Municipal Council and Principal of Dempo College, Panaji. Environmentalist and recipient of ‘Vasundhara Sanman’, Rajendra P Kerkar also addressed the participants. He is a member of the reconstituted national wildlife board, which is headed by
Prime Minister Narendra Modi as a Chairman. Mr Kerkar is also the secretary of Mhadei Bachao Abhiyan and convenor for Goa river conservation network.

Soter D’Souza engaged one session in this Seminar. Soter D’Souza, the Executive Coordinator for the Department of Governance of the Council for Social Justice and Peace (CSJP), is also associated with Peaceful Society at Madkaim, Ponda and is Voluntary Director of the organisation's 'Centre for Panchayati Raj'. The organisation works towards promoting Gandhian Alternatives in community development. D’Souza emphasized on more participation of women in Gram Sabhas as Gram Sabhas are school of politics. He noted that there can be no empowerment without rights and no rights without empowerment.

3.7.5 How many of the linkages/collaboratoryorations have actually resulted in formal MOUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated-

The College has signed MOU with GIPARD (Goa Institute of Public Administration and Rural Development), Old Goa.

The Linkages has benefited the students of the college. Some of our students have been employed in these organizations. Linkages with NGO’s and social organizations and various government departments have facilitated the implementation of the outreach and community developed programs.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaboratoryorations.

Various guest lectures are planned at the beginning of the academic year. The professionals are invited to deliver talks and workshops for the students.

Collaboratoryoration with UGC and ICSSR has helped in funding of minor, major research projects.

Interaction with institutions like IGNOU has facilitated post graduation studies for the needy students.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

The Department of Microbiology conducted Blood Grouping of staff and students of the college. It also carried out testing of well water of surrounding areas of the college for its potability. The College conducted programme on National Deworming Day wherein 300 students in the age group of 17 to 19 were administered Albendazole 400mg on 10th February, 2016. The college regularly organizes for fogging in the college premises. The Department of Microbiology also provides guidance on water pollution in river Mandovi and how to tackle flower waste management.
CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

The college is situated on an area of 8000 m² (2 acres).
There are two blocks a) Arts and Commerce block b) Science block

Arts and Commerce block consists of
1) Twenty six classes with ICT
2) Laboratories [Language, Commerce, Information Technology (IT), Maths]
3) Two staffrooms for arts and commerce separately
4) Conference room
5) Examination centre
6) Girls common room
7) Boys common room

Science block consists of following
1) Four ICT enabled classrooms
2) Laboratories [Chemistry, Microbiology, Computer Science, Geography, Psychology]
3) Staff room
4) Library
5) Seminar hall

There is also block housing recreational spaces i.e; i) open cafeteria, ii) Gymnasium’ iii) Multipurpose hall.

What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The institution independently cannot have policy for creation and enhancement of infrastructure facilities being a government college however Department of Higher Education (DHE), Goa State Infrastructure Development Corporation (GSIDC), Public Works Department (PWD) and Government of Goa creates adequate infrastructure facilities for effective teaching and learning as and when situation demands.

The college has sufficient facilities for present strength of students.
Initially (1989) the college had built in area of 2555 sq. mts. In the year 2005, there was expansion to accommodate newly formed Science blocks and the total area amounted to ---------------- sq. mts.
In the year 2015 two new blocks housing Arts and Commerce and
Recreational spaces like cafeteria and gymnasium have been created with an area of 5000 sq. mts to cater the growing number of students.

4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

b) Extra–curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

a) Curricular and co-curricular activities

60% of the teaching staff is having Ph.D. as highest qualification. Many faculty members are working on various committees, Board of studies etc. Further in order to increase the efficiency and effectiveness of teaching and learning the following facilities are provided:

- **Classrooms:**
The college has 30 class rooms which are ICT enabled.

- **Laboratories:**
Eleven laboratories in the premises for Computer Science, I.T, Chemistry, microbiology, physics, Maths, Geography, Psychology, Language, Commerce with ICT facility. Chemistry laboratory is not equipped with ICT as the environment in the laboratory is not suited for LCD operation.

- **Specialized facilities and equipment for teaching, learning and Research:**
Projector systems, white boards and marker pens, dust free chalks and green boards. The furniture in the classroom is ergonomically designed.

- **Technology enabled learning spaces:**
There are four Seminar halls with a seating capacity of 100 and provided with AC’s and LCD projectors.

- **Learning and research**
There is a UGC sponsored resource center for the staff and students. Konkani department and Political Science Department have established their Research centers in the college.

b) Extra Curricular
The following facilities are available:
- NSS unit
- Abhyas Mandal
- Bus facility-For students and staff
- Multipurpose hall- to organize intramural, on stage performances
- Seminar hall-audio video activities, presentations, talks
- Gymnasiums- equipped with non motorized tread mill, exercise cycle, AB apparatus, Pulley and medicine balls to be used by staff and students.
- Consumer welfare cell.
- Canteen
- Open Amphitheatre

c) Sports:
At present the college is utilizing 1) Khandola village panchayat ground, 2) Marcel- Orgao panchayat ground, 3) Sateri ground and 4) Shantadurga Temple ground opposite to college for outdoor sports activities. Indoor sports activities like Table Tennis, Badminton, Judo and Chess are carried out in multipurpose hall.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

The institution independently cannot have policy for creation and enhancement of infrastructure facilities being a government college however Department of Higher Education (DHE), Goa State Infrastructure Development Corporation (GSIDC), Public Works Department (PWD) and Government of Goa creates adequate infrastructure facilities in line with its academic growth.

The amount spent on all the developments done during the last four years are as follows:
Initially (1989) the college had built in area of 2555sq. mts. In the year 2005, expansion of the college building to accommodate newly formed
Science blocks. In the year 2015 two new blocks have been created with an area of 5000 sq. mts. The college has considerably improved and upgraded the science, computer science laboratories, enhanced reading facility in library, procured new books and journals. However internet is available to the Students/staffs.

**Attached Annexure Y master plan**

4.1.4. **How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

The college premises have facility for physically challenged on the ground floor of both the blocks. New block is equipped with ramps and railings. Provision of separate toilet is made for students with Physical disabilities. The physically challenged students are approached personally by the library staff. The issued of library cards and books required by them is done in their classrooms itself. The library is also making provision to extend the library facilities to the Commerce and Arts block ground floor so that it is accessible to physically challenged students. The wheel chair is available for the students with disabilities.

4.1.5. **Give details on the residential facility and various provisions available within them:**

**Hostel Facility** – Accommodation not available and it is not required as the students are from the near by areas.

**Recreational facilities** – Amphitheatre, gymnasium, seminar hall

**Computer facility including access to internet in hostel**- NA

**Facilities for medical emergencies** – Doctor on call is available. Health centre at a distance of 5 kms. Medical room for emergency with first aid facility and first aid kits in sport sand science laboratories are available.

**Library facility in the hostels** – NA

**Internet and Wi-Fi facility** – present in science block

**Available residential facility for the staff and occupancy**: Government quarters are available for teaching and non teaching staff where the House rent allowance has to be surrendered by the one who avails the facility.
Constant supply of safe drinking water – Filters are installed at prominent places of the college where the pure safe drinking water supply is available.

Security – 24X7 security personnel is available. The students are allowed to enter the building only after checking the identity cards. The new building has the fire security system. The science laboratories are equipped with the fire extinguishers as well as emergency exits. In addition to this college has two emergency exits.
4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

1. On the campus: – Doctor on call is available, Health centre at a distance of 5 kms. Medical room for emergency with first aid facility and first aid kits in sport and science laboratories are available.

2. Off the Campus:
College has understanding with Primary Health centre run by Government at a distance of 5 kms and whenever issues concerning to the health of students and staffs arise, they are referred to this Health centre. College car is available for medical emergency also the 108 ambulance service of government is available. Staff is entitled to avail the reimbursement facility from Goa Medical college Hospital.

4.1.7 Give details of the Common Facilities available on the campus – spaces for special units like:

Common facilities available on the college campus are:

**IQAC** - Yes, IQAC makes vital decisions with regard to the development of college, during the committee meeting held on 20/08/2016, Master project for manufacturing of the paper bags in large was taken and paper cutting machine has been sponsored by one of the member of IQAC representing the community

**Grievance Redressal Cell** - Yes,
- Grievance boxes are installed outside principals office; outside library; in Science, Arts and Commerce block.
- The boxes are opened periodically and the grievances are redressed in presence of principal.

**Womens Cell** - Yes,
the issues related to women are addressed by this cell and talks as well as the awareness is carried out accordingly.

**Counselling and career guidance** – Yes,
We have students mentoring program for our college students. The college has appointed a counsellor who visits once a week. Talks by eminent personalities on career guidance are arranged for the benefits of students.

**Placement unit** - Yes, the college has a well organized placement unit.
Health Centre – Yes, on the campus medical room and outside campus Primary health centre is available, there is provision of Doctor on call in emergency.

Cafeteria- Yes, provides good hygienic meals, snacks for the staff and students at subsidized rate.

Recreational spaces - Yes, gymnasium for staff and students, multipurpose hall for indoor activities, amphitheatre for external activities like drama, music and art.

Safe drinking water facility – Yes, water filters are installed near student and staff area providing safe drinking water on each floor.

Car parking facility for staff and students is available.

4.2. Library as a Learning Resource
4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes. The college Library Advisory Committee consist of following members:

Mr. Anandan Mastan - Librarian
Dr. Christina D’souza - Member
Ms. Marina Albuquerque - Member
Ms. Ranjana Sawaikar - Member

The college Library Advisory Committee has taken number of initiatives to make the library user friendly.

• The Committee advises the library staff for proper upkeep of the library.
• The committee institutes “best reader award” to cultivate the reading habits in students
• The committee has initiated “demand slip system” so that students can place demand for the book they need.
• The committee invites and acts on suggestions/complains from staff and students for making the library student friendly.
• The librarian with the help of library committee conducts book exhibitions and book display programs on special occasions.

4.2.2 Provide details of the following:

• Total area of the library - 500 Sq.mts
• Total seating capacity - 100
• Working hours - 8.30am to 3.30 pm on working days, 8.30am to 1.30 pm during vacation
• Layout of the library - the layout of the library is based on an open plan comprising designated spaces for IT zone, Reading room etc.
4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Each department is committed to enhance the resources of library as and when the syllabus or the subject is updated by the university. The staff recommends the text books, reference books, journals and other reading material through proper requisition format duly signed by the Head of the department and Principal. The same is counterchecked and scrutinized by the librarian and the library committee and the order is placed for the books and other reading materials after following the books purchase procedures.

<table>
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<th>Library holdings</th>
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<td>project reports</td>
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<td>-</td>
<td>24</td>
<td>-</td>
</tr>
</tbody>
</table>
4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?
• OPAC – Yes
• Electronic R.M packages for e-journals- **N-list** is providing about 6000 e-journals accessing facility.
• Federated searching tools-Yes (Free resources)
• Library website –Yes [www.gcascklibrary.webs.com](http://www.gcascklibrary.webs.com) also part of college website [www.khandolacollege.edu.in](http://www.khandolacollege.edu.in)
• In house/remote access to e-publications- Yes
• Library automation- Yes, in progress
• Total number of computer for public access - 11
• Total number of printers for public access – 02
• Internet band width/speed GBBN – Download speed 17.4 Mbps, Upload speed 11.49 Mbps
• Institutional Repository- At present Library having in house publication section of own college publications are displayed for reading and referring.
• Content management system for e-learning – Yes (MOODLE)
• Participation in R.S. OF INLIBNET – Yes

4.2.5 Provide details on the following items:
• Average number of walks-in – 125 per day
• Average number of books issued/returned- 75 per day
• Ratio of Library books to students enrolled -1:10

Average number of books added during last three years-

<table>
<thead>
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<th>Academic year</th>
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<tr>
<td>2013-14</td>
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<tr>
<td>2014-15</td>
<td>346</td>
</tr>
<tr>
<td>2015-16</td>
<td>562</td>
</tr>
</tbody>
</table>

• Average number of login to OPAC: Presently the library is using the e-granthalaya software.
• Average number of login to e-resources- 11 per day (Usage of UGC internet resource centre)
• Average number of e-resource downloaded/printed - No
• Number of I.L training organized- Beginning of every academic year, Library user education program is conducted. Guest lectures on “Open Access to Knowledge and Information” are also arranged for students.
• Details of Weeding out of books & other reading materials: Every year internal library stock checking is done. The books which are mutilated/obsolete nature are taken separately for weeding out and housed separately in the library.

4.2.6 Give details of the specialized services provided by the library

*Reference – YES
*Reprography - YES (At present the facility is in office but the library plans to install one reprographical machine in future)
*ILL- P.G Students, Ex-students, Distance Learners are allowed to refer the Library resources
*Information deployment and notification Yes (Informing new Arrivals through CAS)
*Download-YES
*Printing-YES
*Reading list Bibliographysical-YES
*In house /remote access to e-resources: YES
*User Orientation and awareness – Yes
*Assistance in searching Database-YES
*INFLIBNET-facilities – YES (N-List)
*support provided by the Library staff--Library staff is always encouraging the students and teachers for proper utilization of library resources, staff are providing ready.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.
The library staff helps students & teachers of the college in searching books and reference materials. They also provide assistance in procuring new books and reference materials.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.
The physically challenged students are approached personally by the library staff. The issued of library cards and books required by them is done in their classrooms itself. The library is also making provision to extend the library facilities to the Commerce and Arts block ground floor so that it is accessible to physically challenged students.

4.2.9 Does the library get the feedback from its users? If yes, how is
it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

Yes, Feedback /Suggestion Box is installed in the library. Twice in a month the box is opened. A register is maintained for noting down the feedback. It is discussed in the meeting with library committee and the corrective actions are taken as and when required.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.
The department of computer science has the following hardware

(a) computers: 21 machines

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktop</td>
<td>HP PRO 8300 with intel core 17-3700 CPU @ 3.40 GHZ, 4 GB RAM, 500 GB HD</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>2. DELL Computers with INTEL Core I3 CPU @ 3.1 GHZ, 4 GB RAM, 300 GB HD</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>HCL infiniti MA330 PRO with INTEL CORE 2 DUO CPU E8 400 @ 3.00 GHZ, 2GB RAM, 160 GB HD</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>HCL INFINITI PRO BL1280 with INTEL CORE 2 DUO CPU <a href="mailto:E6850@3.00GHZ">E6850@3.00GHZ</a>, 2 GB RAM, 160 GB hard disk.</td>
<td>5</td>
</tr>
</tbody>
</table>
### Office (Administration/ Accounts)

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Dell Computer with intel core I 3 CPU, 3.10 GHZ, RAM 4 GB, OS windows 7, HDD 500GB and Printer EPSON M1200.</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Dell Computer with intel core I 3 CPU, 3.10 GHZ, RAM 4 GB, OS windows 7, HDD 500GB and Printer Samsung laser printer.</td>
<td>2</td>
</tr>
</tbody>
</table>

(b) Computer-student ratio 6:1  
(c) Stand alone facility:21 machines  
(d) LAN: yes  
(e) Wi-Fi facility: yes  
(f) Licensed software: yes  
(g) Number of nodes/computer with internet facility: 3

### 4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

The Departments such as Microbiology, Physics, Chemistry and Computer Science have been provided with computer and internet facility. The college has plans to apply for dedicated BSNL lines of bandwidth for the students which is available in the administration and accounts section of the college. Students have been provided with computer and laptops under cyber age scheme. Teachers are provided with interest free loans for purchasing laptops of any configuration.
4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?
The institution adopts strategies for deploying and upgrading IT infrastructure keeping pace with changes in IT through procedures laid out by Government of Goa and Department Of Information Technology (DOIT).

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)
The college has provision for procurement, upgradation, deployment and maintenance of the computers and their accessories. Our college is governed by the Government of Goa policies. No specific allocation for procurement, upgradation, deployment and maintenance of the computers and their accessories. Purchase and maintenance is done from relevant budget head. Year wise list or bar diagram

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?
The college Seminar Hall is ICT and AV equipped where lecture sessions are carried out. All the classrooms are ICT enabled and faculty use these facilities for lectures as well as presentation by the students. Computer Science laboratories have ICT facility where offline lecture series and resources are made available to students in the form of presentation. Library supports students with INFILIBNET, NPTEL lectures in spoken tutorial project implementation. Offline and online videos are made available to the chemistry students for clear understanding of concepts.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.
The seminar hall of the institution is equipped with audio, video, ICT facility where on regular basis the students and teachers conduct video lectures sessions, presentations by the resource persons. etc. Library online resources are accessed topic/subject wise by the students. Department of computer science shows online lectures and industry interaction with experts through video sessions from NPTEL network. Spoken Tutorial project is being planned where students from all streams will be exposed to skill oriented programs. Students are evaluated on the basis of intra semester assessment where one test is compulsory on the power point presentations, assignments on topics which requires self study, research projects etc wherein they are required to refer to the online journals and study material.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

No

4.4 Maintenance of Campus Facilities
4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Furniture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicles</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

The college is having infrastructure maintenance and development committee which suggests measures for the safety, development and maintenance of old college infrastructure and also measures to dispose
off outdated and unused items. Financial provision made by government of Goa for maintenance of infrastructure and other facilities on the college campus, Rs two crores have been allocated for this purpose and the college is required to contact GSIDC for the maintenance of infrastructure and other facilities. Maintenance of laboratory equipment is annually done by equiptronics. Cleaning of the campus is done by ECO clean.
4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

Periodical monitoring is carried out as mentioned in the instruments manual by the service personnel belonging to the company supplying these equipments. Certain equipments like Xerox machine is serviced as per the annual maintenance contract with the supplying company. Caliberartion of the equipments is done during the practicals and Practical examinations.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

The electricity department of Goa government maintains the power supply to our college. The erratic power supply is monitored and Electricity department is well informed about the examinations schedule and important functions with a request to maintain smooth power supply. Hence there is no major problem of power failure. Also Our College has a battery backup generator which is constantly monitored and serviced to handle power failures. The computers are connected to the Uninterrupted power supply (UPS). Sensitive instruments are backed with voltage stabilizers to take care of fluctuations in voltage. The college has underground tanks as well as over head tanks to maintain constant water supply.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

The Commerce and Arts block meets all the requirements of green building as per the report submitted by GRIHA (Annexure X).
5.1 STUDENT MENTORING AND SUPPORT

5.1.1. Does the institution publish its updated prospectus/handbook annually? If ‘yes’, what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes. The College publishes its updated prospectus annually. The information provided to the students through the prospectus is:

- Vision and Mission Statements, Goals and Objectives
- Our Strengths
- Principal’s Welcome Note
- Introduction
- Location
- Academic Performance
- Faculty Profile and Non-Teaching Staff
- Facilities in the College
- Eligibility for Admission
- Programs of Study (B.A., B.Sc., B.Com.)
- Admission procedure
- College Rules and Regulations
- UGC Regulations on curbing Ragging
- Financial Assistance/ Scholarships/Prizes/Medals
- Scheme of Examination
- Scheme for Award of Entitlement/Grace Marks
- Certificate / Add-on Courses
- Fees for issue of documents
- Committees and Associations
- Procedure for refund of fees
- Calendar of Events
- Fee Structure
The Institute makes sure that the information provided in the prospectus is followed by faculty, staff and students. The College has constituted committees such as Admission committee, Examination committee, Grievance committee, etc. to ensure that the information given in the prospectus is implemented.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The students receive the following Scholarships namely:-

1. Scholarship for the Handicapped
2. Post matric scholarship for Scheduled Tribes, Scheduled Castes, Other Backward Communities
3. Gagan Bharari Shiksha Yojana
4. Gagan Bharari Shiksha Yojana ST

<table>
<thead>
<tr>
<th>YEAR</th>
<th>SCHOLARSHIP NAME</th>
<th>STATE</th>
<th>CENTRAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>Post matric scholarship</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship ST</td>
<td>21</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>Handicapped Scholarship</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship OBC</td>
<td>54</td>
<td>23</td>
</tr>
<tr>
<td>2012-13</td>
<td>Post matric scholarship ST</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merit Based award</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship SC</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship</td>
<td>43</td>
<td>81</td>
</tr>
<tr>
<td>Year</td>
<td>Scheme</td>
<td>Number</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>---------------------------------------------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>2013-14</td>
<td>Post matric scholarship</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship OBC</td>
<td>67</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship SC</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gagan Bharari Shiksha Yojana</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gagan Bharari Shiksha Yojana ST</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Handicapped scholarship</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>2014-15</td>
<td>Gagan Bharari Shiksha Yojana</td>
<td>59</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Merit based award</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship ST</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship ST</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship ST</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship SC</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2015-16</td>
<td>Merit based award</td>
<td>39</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship</td>
<td>54</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gagan Bharari Shiksha Yojana</td>
<td>97</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship SC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship OBC</td>
<td>71</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship (FRESH) OBC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship (FRESH) SC</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship (RENEWAL) OBC</td>
<td>59</td>
<td></td>
</tr>
</tbody>
</table>
### 5.1.3 What Percentage of Students Receive Financial Assistance from State Government, Central Government and other National agencies?

- In the State of Goa, 100% of students pursuing collegiate education are subsidized by the Government and students are called upon to pay a nominal fee.
- Students also benefit from a host of scholarships of the state/central government and other agencies.
- Students of Goa get the facility of 50% concession for the bus fare which is availed by our students.
- College has the Student Aid fund where the needy students are helped from this financial assistance.

### 5.1.4 What are the specific support services/facilities available for (1) Students from SC/ST, OBC and Economically Weaker Sections:

Then quota structure of the state government is as follows SC =2%, ST=12% and OBC =27% and PH= 3%. The reservation as per the policy of the state government is strictly adhered to.

- The SC/ST/OBC students are identified at the time of admission and a record of the same is maintained.
- Notices are displayed on the notice boards and announced in the class rooms urging them to avail of scholarships and freeships instituted by the government and other agencies.
- Support is provided by the administrative staff in processing their applications and disbursing the amount when sanctioned.
(2) **Students with Physical Disabilities:**

- A class having a student with a physical disability is allotted a class room on the ground floor.
- The new college building has a ramp for the differently abled students and most of the classes are accommodated in the new building.
- The college has a wheel-chair facility.
- Toilets in the new building are disabled friendly.
- Library books are issued on personal basis.

(3) **Overseas Students:**

NIL

(4) **Students to Participate in Competitions:**

- The students are encouraged to participate in competitions and events at various levels.
- Training and practice sessions are co-ordinated by the Cultural Co-ordinator with the help of the faculty.
- All in-house facilities are extended to encourage the students.
- Students are given guidance for participation in quizzes, debates and elocutions in inter-collegiate competitions.
- Series of Workshops on Theatre, Anchoring, Tiatr and Rangoli conducted as a part of Silver Jubilee Celebrations, helped to groom students.
- Facilities such as Travelling Allowance (TA) and bus facility are provided. They are granted ‘Duty Leave’.
- Faculty always accompanies the students for the competitions and events outside the campus.
- The prize money is shared by the students.
- Goa university and Directorate of sport authority of Goa assist the students monetary basis for refreshments and DA.
(5) Medical Assistance to Students:

- The institution organizes activities and programs to promote good health among students and also to create awareness about health related issues.
- A Primary Health Centre in Betki, which is about 3-4 kms. away from the college campus, caters to the medical emergencies arising on campus.
- A doctor is available every Friday in the college campus and is available on call.
- First aid kits are available in the laboratories and sports department.

(6) Organizing Coaching Classes for Competitive Examinations:
Department of Chemistry conducts classes for the T.Y.B.Sc students and prepare them to write the entrance exam of Goa university for M.Sc.

(7) Skill Development:

- College offers Information Technology and Cyber Security Course which is compulsory for all under-graduate students (B.A., B.Sc., B.Com.) in Semester I and II.
- Department of English offers Spoken English as a compulsory course for the students of B.A., B.Sc. and B.Com.
- Students are trained to present papers using the LCD. Facilities like LCD in classrooms, Internet through wi-fi are made available for students.

(8) Support for ‘Slow Learners’:

- Tutorials / Remedial classes are conducted for the students of B.A., B.Sc. and B.Com. programs.
- Personal Counselling helps to monitor the progress of slow learners.

(9) Exposures of Students to other Institutions of Higher Learning/Corporate/Business House:
Students participate and present papers for seminars and workshops conducted by other institutions of higher learning.

Students are taken on field trips to industries, corporate business houses and institutions to give them first-hand experience of corporate life.

Students are taken for study tour to National institutes like Bhabha Atomic Research Centre, Mumbai, NIO, NCAOR, etc

(10) **Publication of Student Magazines:**

The students contribute articles for the annual college magazine titled ‘MAHASHALA’.

5.1.5 **Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.**

- The Department of Commerce conducted talks on various topics and an Exhibition cum Sale to develop entrepreneurial skills among students. **Entrepreneurship Mela was organized by commerce department**
- The students got an opportunity to acquire entrepreneurial skills through manufacture and sale of food stuff, cards, paintings, bags, flowers, mehendi and nail art, etc.
- The Department of Economics offers a course on Entrepreneurial Skills for the students of S.Y.B.Com.
- The Department of Economics conducted a workshop for students in Mushroom Cultivation.

5.1.6 **Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

- The policy of the institution is holistic development of each and every student.
- The college organizes several extra co-curricular activities and motivates them to participate in the same.
Equal and ample opportunity is provided to students for participating in extracurricular events through auditions and selection.

(1) **Additional academic support and flexibility in examination:**

- Students who miss lectures and practical due to their participation in extra-curricular activities and sports are given additional academic support by conducting additional classes and practicals.
- The Ordinance of Goa University provides grace marks for students who participate in extra-curricular activities such as N.C.C., N.S.S. and Sports.
- The Ordinance of Goa University also provides flexibility in attendance of the students i.e., their absence in the college (when they attend co-curricular or represent college at state and national level) is considered as ‘Duty Leave’.

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

- Students participating in sports activities are given a practice allowance and T.A./ D.A. to be used for their travel and diet requirements.
- They are provided with sportswear and a sports kit.

(3) **Any Other:**

- The institution reimburses expenditure incurred by the students to participate in extra-curricular and co-curricular activities.
- The Cultural Co-ordinator and other faculty members monitor and guide the students participating in such activities.
- Inter-college, Intra-college events and programs are organized by the institution. Student-oriented events such as NSS Camps, Study tours are annually conducted by the college.
- The college has instituted awards and cash prizes to recognize the achievements of outstanding students in sports and other co-curricular activities.
- Monetary prizes awarded to the students are equally shared by the participants.
The college declares ‘Best Sportsman / Sports Woman of the year’ on the basis of their achievements in the sports activities and crowns two students ‘Mr. Khandola’ and ‘Ms. Khandola’ during Jubilations.

‘Best Student Award’ and ‘Teachers Appreciation Award’ is given to the student who is nominated on the basis of a consistently good academic record, co-curricular, extra-curricular achievements and exceptional behaviour.

Staff has instiututed various awards for the meritorious students in their respective subjects. This give the students boost to do well in their studies. (annexure ----)

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive examinations, give details on the number of students appeared and qualified in various competitive examinations such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

The college encourages and guides students who appear for various National and State Competitive Examinations such as entrance examinations for Post Graduate courses like M.C.A., M.Sc. and M.A.

The library subscribes to a wide range of books and magazines which serve as a ready reference meant especially for competitive examinations.

The Ex students of the college are allowed to avail the library facility.

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)?

The institution has a Professional Counsellor available on campus to provide academic, career and personal guidance to the students.

An additional woman counsellor has also been appointed in view of a large number of female students and is available once a week.
At the beginning of the academic year, the First Year students attend an Orientation by the Principal and faculty introduces a fresher to the academic and co-curricular activities of the college.

A mentoring scheme has been introduced and students are counselled for their personal as well as career related issues.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If ‘yes’, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programs).

Yes.

- The institution has a Placement Cell, which organizes programs to guide students in terms of appropriate career choices and gainful employment.
- The college invites Companies for campus recruitment.
- Career related talks are organized by respective departments.
- Campus interviews are organized in the college in chemistry and commerce subjects.
- Students are encouraged to participate in career information fairs.

<table>
<thead>
<tr>
<th>Company</th>
<th>Students interviewed</th>
<th>% of students shortlisted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vergo</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>Vedanta (Sesa Goa)</td>
<td>20</td>
<td>1</td>
</tr>
<tr>
<td>Syngenta</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>ICICI</td>
<td>30</td>
<td>22</td>
</tr>
<tr>
<td>HDFC</td>
<td>15</td>
<td>5</td>
</tr>
</tbody>
</table>

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.
Yes.

- The institution has a Grievance Redressal Committee that deals mainly with issues related to examinations.
- No grievances have been reported in the last five years by students.
- Grievances are redressed accordingly in the interest of the students. Canteen contractor was changed, bus was commuted from college to the bus stop in the morning and afternoon.

Present committee members are:
Dr. P.K. Rath - Chairman
Ms. Anita Raicar - Member

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

- A Committee for Prevention of Sexual Harassment constituted provides information to the students at the time of admission. Orientation and details are also available in the college prospectus.

Present committee members are:
Dr. Christina D’Souza - Chairperson
Dr. Pravina Kerkar - Member
Dr. T.S. Dey - Member
Adv. Divya Malkarnekar - Member
Ms. Pushpa Tari - U.D.C
Ms. Johanna Gonsalves - Student Member
Ms. Prachi Khandeparkar - External Member

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

- An Anti-Ragging Committee has been established and awareness of this body is made known to the students at the time of admission
and the orientation programme. Information is also available on the college website.

- An anti-ragging report is sent monthly to the Governor.
- The details are available in the college prospectus.

Present committee members are:

Dr. Lucas Miranda - Chairman  
Ms. Gracy Fernandes - Member  
Ms. Radhamani Divakar - Member

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- The institution is committed to the overall welfare and wellbeing of its students - Schemes are listed below:
  - Professional Counsellor on campus
  - Scholarships and prizes awarded by teachers and well-wishers.
  - college
  - industry
  - A Book Bank scheme for needy students
  - Students Aid Fund
  - Students are allowed flexibility in payment of fees as per their difficulties.

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

- The College has an Alumni Association with about 200 members. The alumni meet at least once a year. The alumni support the institution and contribute to its institutional, academic and infrastructural development.
Few members of the alumni have instituted prizes for meritorious and deserving students.
Alumni who have distinguished themselves in their chosen fields are invited to deliver guest lectures and have interactive sessions with the students.
The process of registering the Alumni Association is on.

5.2 STUDENT PROGRESSION

5.2.1 Provide the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Percentage of Students Progressing to Higher Education:

<table>
<thead>
<tr>
<th>Year</th>
<th>UG-UG</th>
<th>UG-PG</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>10%</td>
<td>15%</td>
</tr>
<tr>
<td>2012-13</td>
<td>12%</td>
<td>21%</td>
</tr>
<tr>
<td>2013-14</td>
<td>10%</td>
<td>17%</td>
</tr>
<tr>
<td>2014-15</td>
<td>9%</td>
<td>15%</td>
</tr>
<tr>
<td>2015-16</td>
<td>7%</td>
<td>22%</td>
</tr>
</tbody>
</table>
5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

<table>
<thead>
<tr>
<th>Month and Year</th>
<th>Class</th>
<th>Percentage of College</th>
</tr>
</thead>
<tbody>
<tr>
<td>April/May, 2012</td>
<td>B.A.</td>
<td>92%</td>
</tr>
<tr>
<td></td>
<td>B.Com.</td>
<td>79%</td>
</tr>
<tr>
<td></td>
<td>B.Sc.</td>
<td>100%</td>
</tr>
<tr>
<td>April/May, 2013</td>
<td>B.A.</td>
<td>92.68</td>
</tr>
<tr>
<td></td>
<td>B.Com.</td>
<td>76.74</td>
</tr>
<tr>
<td></td>
<td>B.Sc.</td>
<td>90.69</td>
</tr>
<tr>
<td>April/May, 2014</td>
<td>B.A.</td>
<td>97.87</td>
</tr>
<tr>
<td></td>
<td>B.Com.</td>
<td>82.00</td>
</tr>
<tr>
<td></td>
<td>B.Sc.</td>
<td>100.00</td>
</tr>
<tr>
<td>April/May, 2015</td>
<td>B.A.</td>
<td>84.48</td>
</tr>
<tr>
<td></td>
<td>B.Com.</td>
<td>72.26</td>
</tr>
<tr>
<td></td>
<td>B.Sc.</td>
<td>97.00</td>
</tr>
<tr>
<td>April/May, 2016</td>
<td>B.A.</td>
<td>94.58</td>
</tr>
<tr>
<td></td>
<td>B.Com.</td>
<td>82.44</td>
</tr>
<tr>
<td></td>
<td>B.Sc.</td>
<td>97.65</td>
</tr>
</tbody>
</table>
5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- The palacement cell and carrerer guidance cell of the college organise personality development classes, campus recruitment interviews.
- Departments organise the entrepreneurship camps or mela eg commerce department.

- Teachers offer guidance to the students in selecting P.G. courses and Higher Studies and also provide information on job opportunities available.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- Remedial or extra classes are conducted to make the students understand the basics of the subject.
- Teachers counsel such students throughout the academic year.
- They also provide assistance in solving difficulties during Preparatory holidays of Examinations.
- Teachers are always available to provide academic assistance to the needy students.

5.3 STUDENT PARTICIPATION & ACTIVITIES

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

The range of sports, games, cultural and other extracurricular activities available to students are:

(a) Sports and Games

   Intra-Mural level:
Football  (M)  Athletics  (M/W)
Volleyball  (M)  Cricket  (M)
Hockey  (M)  Kabaddi  (M)

**Inter-Collegiate level:**

<table>
<thead>
<tr>
<th></th>
<th>(M/W)</th>
<th></th>
<th>(M/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Football</td>
<td></td>
<td>Volleyball</td>
<td></td>
</tr>
<tr>
<td>Baseball</td>
<td>(M/W)</td>
<td>Hockey</td>
<td>(M/W)</td>
</tr>
<tr>
<td>Kabaddi</td>
<td>(M/W)</td>
<td>Tennikoit</td>
<td>(M/W)</td>
</tr>
<tr>
<td>Chess</td>
<td>(M/W)</td>
<td>Table Tennis</td>
<td>(M/W)</td>
</tr>
<tr>
<td>Badminton</td>
<td>(M/W)</td>
<td>Cricket</td>
<td>(M/W)</td>
</tr>
<tr>
<td>Judo</td>
<td>(M/W)</td>
<td>Taekwondo</td>
<td>(M/W)</td>
</tr>
<tr>
<td>Weight lifting</td>
<td>(M)</td>
<td>Power lifting</td>
<td>(M)</td>
</tr>
<tr>
<td>Best Physicalsicalsique</td>
<td>(M)</td>
<td>Athletics</td>
<td>(M/W)</td>
</tr>
</tbody>
</table>

*M = MEN, W = WOMEN

**Inter-University level and Nationals:**

- Students are selected to participate at the Inter-University and National level based on their performance at the University level.
- The college takes part in Inter-Collegiate Tournaments organised by the University.
- The college organises its Annual Sports Meet during the month of November and it has been organised successively for the last 25 years.

**(b) Cultural and Extra-curricular Activities:**

Co-curricular activities are held through the Associations. These units organise cultural events within and outside the college. The college also provides opportunities for the students to get trained in various skills such as quiz, debates, elocution, street plays, role play, music, dance and poster-making.

The College organizes and participates in inter-collegiate events with the twin purpose of exposing our students to a competitive spirit and to build
in them enduring qualities that will help them cope with challenges after their college years.

The college takes part in One Act Play Competition in Konkani organised by Kala Academy, Goa.

The college also participates in the ‘Yuva Mahotsav’ organised by ‘Konkani Bhasha Mandal’ in the following activities:
1. Rangoli Competition
2. Solo Singing Competition
3. Folk Dance Competition
4. Monologue Competition

**Calendar of Cultural Programs:**

<table>
<thead>
<tr>
<th>Month</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>Inauguration of the Academic year</td>
</tr>
<tr>
<td>July</td>
<td>Installation of the Students Council</td>
</tr>
<tr>
<td>August</td>
<td>Independence Day</td>
</tr>
<tr>
<td>September</td>
<td>Teachers Day</td>
</tr>
<tr>
<td>November</td>
<td>Hindi Divas</td>
</tr>
<tr>
<td>December</td>
<td>Annual Sports Day</td>
</tr>
<tr>
<td></td>
<td>College Festival “Jubilations”</td>
</tr>
<tr>
<td></td>
<td>Annual Day and Prize Distribution</td>
</tr>
<tr>
<td></td>
<td>Goa Liberation Day</td>
</tr>
<tr>
<td>January</td>
<td>Republic Day</td>
</tr>
<tr>
<td>March</td>
<td>Farewell to T.Y. students</td>
</tr>
</tbody>
</table>

**5.3.2** Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Inter-Collegiate Competitions
(University Level)
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>Judo</td>
<td>Runners Up</td>
<td></td>
</tr>
<tr>
<td>2013-14</td>
<td>Baseball</td>
<td>Winners</td>
<td>Runners Up</td>
</tr>
<tr>
<td>2014-15</td>
<td>Baseball</td>
<td>Runners Up</td>
<td>Runners Up</td>
</tr>
<tr>
<td>2015-16</td>
<td>Baseball</td>
<td>Runners Up</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Taekwondo</td>
<td></td>
<td>Runners Up</td>
</tr>
<tr>
<td></td>
<td>Judo</td>
<td></td>
<td>Runners Up</td>
</tr>
</tbody>
</table>

**Major Achievements at the State / National Level:**

**(2011-12)**
Ms. Sonam Dalvi participated in the National Softball Competition at Hyderabad.
Ms. Shweta Kuvelkar participated in the Inter University Baseball Tournament at Cuttack, Odisha.

**(2012-13)**
Ms. Drohini Gaude declared Best Judoka in Goa University.
Ms. Drohini Gaude and Lavina Kurtikar participated in National Floorball Championship.
Mr. Vikar Chawdhari participated in the National Athletic Championship in Pune.

**(2013-14)**
Mr. Avneesh Gaonkar participated in the Junior National Tennis Ball Cricket Championship.
Mr. Sushant Kerker and Ms. Diksha Palni participated in the Senior National Tennis Ball Cricket Championship held in Ranchi, Jharkhand.
Ms. Drohini Gaude represented Goa University at the All India Inter-university Judo Tournament.
Ms. Sonam Dalvi, Ms. Prachi Gosavi and Ms. Nassin Khan participated in the Federation Cup Soft Ball Championship held in Amritsar, Punjab.
Ms. Anupa Gaude participated in the Soft Ball National Championship.
Mr. Sunny Gaude participated in the Senior National Baseball Championship held in Solapur, Maharashtra.
Mr. Sairaj Dhulapkar and Mr. Saish Kavlekar participated in West Zone Inter-University Football Championship.
Mr. Anish Gaonkar, Mr. Giridhar Gaude and Navesh Naik participated in West Zone Tennis Ball Cricket Championship held in Panaji, Goa.

(2014-15)
Mr. Pundalik Bhomaikar participated in Junior National Judo Championship at Vadodara.
Mr. Sushant Kerkar and Diksha Palni participated in Sr. National Tennis Ball Cricket Tournament in Himachal Pradesh.
Ms. Anupa Gaude participated in South Zone Softball National Championship.

(2015-16)
Mr. Latif Khan won Gold in Third National Tang Soddo Championship held on 7th to 9th August, 2015.
Ms. Vaishnavi Bhagat won Silver in State Taekwondo Competition.
Ms. Camelon Fernandes won Bronze in State Taekwondo Competition.

(2016-17)
Ms. Camelon Fernandes won the Gold in the National Taekwondo Championship.

NSS Activities:

Won Second prize in inter-collegiate Folk Dance Competition.
The NSS unit organized intercollegiate elocution competition on Environmental hazards in association with Marcel Kala Premi Sangh.

Curricular Activities:

Chemistry

1. Ms. Utkarsha Mardolkar was awarded third prize for poster presentation titled ‘photocatalytic Degradation of AZO dyes photo-Fenton Reagant in aqueous medium’ at the 6th Annual Inter-collegiate Symposium for T.Y.B.SC (Chemistry) students “Fascinating World of Chemical Sciences” organized by
2. T.Y. B.Sc student Ms Stacy Rocha won the second place for oral presentation on “Nanomaterials derived from Ferrites” at the 7th Annual inter collegiate symposium organised by Department of Chemistry held on 9th March, 2013 guided and authored by Dr Beena Vernekar.

3. Ms Pratika Raikar was awarded second place for Best Poster Presentation on the topic “Hazardous Holi Colours” at 8th Annual Inter collegiate T.Y. B Sc. Chemistry Symposium on organised by Department of Chemistry on March 15, 2014 guided and authored by Dr Rajashri Mordekar.

4. T.Y. B.Sc students Ms Krutika Naik and Ms Pooja Bandari Secured first place in the Intercollegiate BSc Chemistry quiz conducted by ACT on 27th January 2016 at Carmel college, Nuvem.

5. F.Y. B.Sc student, Mr. Schubert Fernandes won first place for Oral presentation at one day intercollegiate chemistry event KYNESIS organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.

6. F.Y.B. Sc. student Mr Dixit phadte and Mr. Charant Naik won first place for poster making (“Chemistry - yesterday, today, tomorrow”) at one day intercollegiate chemistry event KYNESIS
organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.

7. F.Y.B.Sc. student Ms Stacy Remedios and Mr Schubert Fernandes won first place for **Action Reaction**- at one day intercollegiate chemistry event KYNESIS organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.

8. B. Sc. students Sanam Vaingankar and Madhuri Naik won first place in the poster competition organised on the theme “**Green chemistry**” for B Sc students at the Annual convention of Chemistry Teachers was held on 24th February 2016 at Government. college of Arts Science and commerce, Sanquelim, Goa.

**Marathi**

a. Best student award from college :

1. Vaishali Parab 2011- 2012

b. Students secured various prizes in Poetry Writing, Abhanggayan.
Jyoti Sawal won 2nd place in all Goa Hindi story writing competition organised by CES college of Arts & Commerce, Cuncolim-Goa 2010-2011

Jyoti Sawal won 1st place in all Goa Hindi story writing competition organised by CES college of Arts & Commerce, Cuncolim-Goa 2011-2012.

Ms. Asha Naik student of Hindi Department. was declared Student of the year of Government. college Khandola in the year 2012-2013.

Ms. Vishranti Halgekar, an ex-student of Hindi Department. was a Gold medalist at University in Department. of Hindi in the year 2014.

**Political science**

i. Miss Anjali Naik, student of Political Science, was awarded 2nd Prize at District Level Essay Competition organized to commemorate 3rd National Voters Day organized by the Office of Chief Electoral Officer, Panaji Goa on 25th January 2013.

ii. Our two students, Miss Vishranti Halgekar and Mr. Pravin Sawant, secured second place in Intercollegiate Quiz competition on the Topic ‘Goa Post Liberation Era” organized by Department of Political Science, CES College, Cuncolim, Goa on 24/01/2012.

iii. The Department trained the students of the college to participate in the street play competition organized by Office of Chief Electoral Officer in association with Government College Quepem to commemorate National Voters Day in January 2014, and our students secured third place for the same.

**Co-curricular Activities (2012-13)**
1. Four students of our college were selected by LOKMAT for a three day Film Appreciation Course and were members of Young Jury Awards at IFFI 2012.

2. Won the Third place for the Folk Dance Competition organized by Youth Hostels Association of India, Margao Unit at Ravindra Bhavan, Margao.

3. Won Third place in All Goa Inter-collegiate Ghumat Arati Competition organized by GVM’s College.

4. First place in Mando singing competition at St. Theresa’s High School, St. Estevam.

5. Won First place in Hindi Elocution Competition organized by Chowgule College, Margao

6. Second place in Advertisement Marketing organized by Carmel College, Nuvem.


**Students Council:**

*(2011-2012)*:


- Students were Runners up in Inter-Collegiate ‘Twilight’ festival organised by Goa College of Home Science, Panaji.

- Mr. Joebert Dias won the 2\textsuperscript{nd} place in Essay Writing Competition organised by Ramani Medical Foundation.

- Ms. Chriselle Fernandes won the 3\textsuperscript{rd} prize in Elocution Competition on ‘World Tourism Day’ organised by GVM’s Higher Secondary, Ponda.
Students Council conducted ‘All Goa Ghumat Aarti Competition’, and ‘All Goa Carol Singing Competition’.
Students also participated in ‘Yuva Mahotsav.

(2013-2014):

College won First prize in the Bible Quiz organized by St. Xavier’s College, Mapusa on 11th February 2014.
Students actively participated in “Goa Yuva Mahotsav 2014” and won the 2nd place in the Folk Dance Competition.
College won Third place in the Inter-Collegiate Street Play competition organized by Chief Election Office, Goa in association with St. Xavier’s College on Voters Day, 25th Jan 2014.
College won 5th place in “Creations” organized by Dhempe College, Miramar. Ms Eureka Lobo won the Runners-up title to Ms. Creations; GS Joven Fernandes & Rhea Saldanha won 2nd place in Treasure Hunt; Krizelle Dias & Vishal Mane won 2nd place for “Trash to Treasure”, Sukendo Reddy won 2nd place in “Minute to win” while Vishwanath Gadgil & Chinmay Hazare won 3rd place for “Pre-historic Mascot”.

(2015-2016) :
➢ College won third place in All Goa Patriotic Singing competition held at Ponda by Bandoda Youth Club.

➢ College secured 2nd place in “Parampara Utsav” organised by Mentors Youth Club, Cumbharjua.

➢ Ruchi Verenkar secured 2nd place in Solo singing competition at Damodar College Margao; 2nd place at P.E.S College Ponda and 2nd place at Goa University, Taleigao Plateau.

➢ College secured 3rd place in Jugalbandi competition and 2nd place in Elocution competition in “Urba” a youth festival organised by Shanta Durga Vijayete Kala Mandal at Cuncolim.

➢ The college secured 3rd place in “Lokmanda” at “Goa Yuva Mahotsav 2015”.

➢ College won 3rd place in “Tokhnayo” an event organised by Independent Cricket Club, Veling.

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

Feedback from Graduates and Employers:
Graduates express the satisfaction of job skills and soft skills which they have acquired during their graduating years and which holds them in good stead at their work place. The college gets feedback from employers who are invited to the college as speakers for seminars and
workshops. The faculty also obtains feedback when they undertake industrial visits along with the students. This helps the institution to enhance the quality of education.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

Publication:
Students are encouraged to contribute articles to various college publications. This gives them an opportunity to enhance their creative and writing skills.

College:
1. Mahashala: It is the annual College Magazine that provides an opportunity for students and staff, to contribute articles and stay connected.
2. Khoj: It is an Inter-disciplinary Research Journal published annually which includes research articles.
3. Wall papers: These are displayed on college notice boards covering articles written by student on current and relevant issues.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Students Council:

Selection:
The college has a Students Council which is governed by the University statutes. The elections are held by ballot in accordance with the system of simple majority votes. Every student on the roll of the college has the right to vote in the election of class representatives. The Students Council has no political affiliation. A candidate contesting the election must be a regular student of the college.

Constitution
The functioning and activities of the Students Council are under the guidance of the Principal and Cultural Co-Ordinator. The Student Council comprises of the:

1) General Secretary
2) Cultural Secretary
3) Class Representatives
4) Ladies Representative
5) Sports Secretary.

In addition, University Class Representatives are elected who function as the representatives of the students of this college at the affiliating University.

**Activities of the Student Council**

The Student Council takes the lead in extra-curricular activities in the College. It organizes a 3 day Annual Festival - Jubiliations, which is an inter-class competition. It also organizes Patriotic Singing Competition, Teacher’s Day, College Farewell for the Third Year students. These activities promote student’s talent, creativity and skills at shouldering responsibilities, planning, organizing, maintaining discipline, spirit of cooperation and competition, money management and accountability.

**Funding**

The institution promotes the activities of the Student Council. The Council raises additional funds, if required through sponsors.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

**Academic and Administrative Bodies:**

The academic and administrative bodies that have student representatives on them are as follows:

(1) The Students Council
(2) IQAC
(3) Prevention of Sexual Harassment Committee
5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

Collaborate With the Alumni:

The college has given primary importance to maintaining links with past students. The institution organizes a meeting every year to share with them, the progress of the college and contribution to the development of the community. Past students working overseas visit the college when they come down for vacations. The faculty are encouraged to invite past students who have established themselves in various professions to address students and share their experiences. Contacts with alumni and former faculty are also maintained through social networking.
6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution’s traditions and value orientations, vision for the future, etc.?

Vision of our college is “Centre for Excellence” college has following objectives like

- Quality Education, training and Research
- Culture, values and morals

To pursue these objectives college has following goals

* To promote high standards of education in an environment conducive to the needs of undergraduate students.
* To provide undergraduate education that will enable students to be responsive to the needs of an ever-changing society.
* To promote the advancement of scholarly and artistic activities for students and faculty.
* To foster a culture that supports and reinforces ethical and pro-social values.
* To create an environment in which students and faculty find support and encouragement in achieving life goals.

The mission of our college is “To dedicate our energy to be responsive to the needs of an ever changing society by promoting excellence in academics and art”

The curriculum and the delivery aspects reflect the college mission goals and objectives. The college imparts general education in faculty of arts science and commerce by giving equal importance to knowledge and skill orientation. The study program is flexible and offers horizontal mobility too. New courses are periodically introduced.
Our college will be the first government college to start M.Sc in Chemistry from the year 2017 onwards unlike the other self finance courses in the government aided colleges. This college is among the 30% colleges in Goa which offer B.Sc. in Microbiology and Psychology. The faculty is actively involved in curriculum development, restructuring syllabus and also as members of board of studies. Our college is a multi faculty college with multidisciplinary approach. The performance of students is reflected as very good results attained in university examination. The college has linkages with NIO, Dona Paula, Syngenta, Vergo pharma etc. Commencement of M.Com in the academic year 2017-18 and set up of Research centre in Konkani and Political Science will add to the vistas of the College.

Section 12(B) recognition by the UGC, New Delhi, enabled this college to take the advantage of the UGC sponsored seminars as well as research projects.

The primary objective of the college is to become centre of excellence to ensure each student will be gainfully employed having the values of independent thinking, team work, equal opportunities to make learning a lifelong activity. It is envisaged that our college immerge as premier educational institution in the state of Goa.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Management of this college is State Government of Goa. Since the college does not have any autonomous status, the design of the courses and curriculum is as per the Goa University norms. However the college has Internal Quality Assurance Cell (IQAC). It has framed quality policy in consultation with the stakeholders of the college. It designs and formulates action plan. IQAC ensures the smooth functioning of institution directed towards desired quality goals. College has advisory committee which comprises, Director, DHE, represents state government, two representatives from the Goa University, members from each faculty and the representatives from the Society.
The annual calendar/prospectus of the college has all the curricular and co-curricular activities planned for the year, keeping in mind the goals and objectivities of the college. The same is forwarded to the Annual Activity Planning Committee. A tentative plan of activities is prepared and is executed.

The work culture of the institution is improved by rigorous process by conducting staff meetings consultations, discussions, evaluation, various assessment procedures like assessment of students by teachers.

Teachers attend workshop, seminars, orientation refresher courses and evaluation programme both in the capacity of participant and resource person publish paper in the journal keeping themselves abreast of the latest development in respective subjects. Faculty members also organise seminars, workshops, programs with the objective of implementing the goals as set out in the mission and vision statements.

6.1.3 What is the involvement of the leadership in ensuring?

The Principal is the head of the institution and responsible for smooth functioning of the college. The role of principal is multidimensional. Principal is responsible for both academic and administrative functioning of college

- **The policy statements and action plans for fulfilment of the stated mission:** The Principal in consultation with the faculties prepares the list of various committees taking into consideration the design of activities in the annual calendar, all the suggestions and proposals are considered in preparing action plan for the fulfilment of the mission. The committees are then responsible for the implementation of various activities in the college. The Principal and Departmental Heads ensure the smooth functioning of the day to day activities of the college.

- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:** Each department prepares its own action plan for the academic year the various
committees association and cells also design their list of activities for the year and at the end of the year the chairperson of all the committees submit the list of all the activities undertaken.

- **Interaction with stakeholders**
  The Principal ensures that regular meetings with the students’ council, faculty, non teaching staff alumni are conducted to monitor and execute the action plan. IQAC meetings are held to check over the quality of the institution. Advisory committee meeting is held once in a year for passing different resolutions. Besides at the time of admission, the prospectus is handed out to the students. The Principal and the staff personally meet and address the students and their parents, guardians to brief them about general working, discipline and examination pattern.

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
  Stakeholders are given total freedom to voice their suggestions opinions for quality improvement of the institution, which are then incorporated in the action plan for implementation. The college has its own research policy which provides necessary stimulus to the staff to involve themselves in research activities.

- **Reinforcing the culture of excellence**
  By keeping in mind the vision of the college “Centre of excellence” following gestures are practised by the college:
  - Felicitation of student topper in respective subject
  - Felicitation of sports students for their achievement in sports activity on the annual college day.
  - Felicitation of students for their achievements in cultural activities
  - Prizes are constituted by different companies like **Syngenta, alumni association and faculty members in cash for securing highest marks** in respective subjects. The list of prizes awarded is incorporated in the college prospectus

- **Champion organizational change**
The Principal of the college rotates the committees every year while keeping the primary organizational setup intact. The rotation of the committee gives opportunity to the faculty to prove their leadership skills. As per the university norms the head of the department is rotated after every three years giving break for the next senior faculty. The new Arts and Commerce faculty block is constructed with examination centre and opened for the students from 2015-16 onwards, this has added new dimension to the infrastructure of the college. The ICT enabled classrooms have made the learning process student friendly and have brought about a radical and positive change in the delivery mechanism of the teaching-learning process. The envisaged automation of the library and implementation of N-list has opened various avenues for the students and the faculty of the college to widen their horizons of knowledge.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

A) Constitution of various committees:

- Institution has instituted college advisory committee to plan and execute the necessary inputs
- IQAC meets regularly to review and monitor the overall quality and functioning of the college.
- Necessary advice and inputs are invited and implemented from college advisory committee which meets once in a year in the college.
- PTA also plays an important role in overall functioning of the college activities.
- The financial plans and transaction is controlled by account standing committee and audit is carried out by the Directorate of Accounts Goa.
- Various committees statutory and non-statutory are constituted to coordinate monitor and implement various programs and activities.
- The feedbacks received from the staff and students are analysed, required changes are accepted and reformed as per the needs and implement ability.

B) Maintaining of Daily Work Record
Daily work record is maintained by every member of the teaching staff.
For the non teaching staff, duty allocation orders are issued and the same are monitored by the Head Clerk and routinely by the Principal.
Ordinarily, Class I Gazetted Officers attendance registers are not mandatory. However, the faculty have volunteered to note down their presence in the muster roll at arrival and departure.
Further Biometric Finger Scan Machine is installed to maintain digital attendance of teaching and non teaching faculty, which is then countersigned by the college Principal at the end of the month.

C) Meetings
- Regular departmental and staff meetings are being held for the co-ordination and monitoring of the departmental work and the other college activities.
- Meetings of various committees like attendance, student council, canteen, purchase committee, infrastructure committee, are held from time to time.
- College advisory committee meeting is held annually for the execution of plan and feedback.
- IQAC also meets regularly as and when required in order to have a check on the internal and external quality of the academic and administrative structure.

D] Lecture Schedule and Suitable Adjustments
- The time table committee gives the schedule of lectures and Principal ensures that all lectures are taken on time and as far as possible students are productively engaged during the course of the day. Any adjustment of lectures is done at departmental level.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The departmental heads are free to design and formulate their course of activities and lecture schedule for the academic year and to implement the same. The various other dimensions of the college show the academic leadership at work.
• College has been granted NOC to commence M.Sc. in chemistry.
• Department of Konkani has applied for research centre for PhD in Konkani.
• Department of commerce is underway to start M.com
• The research promotion policy of college motivates the teacher to peruse research by deputing them on sabbatical leave, FIP, study leave within and outside the country various faculty improvement programs.
• Goa University is instrumental in appointing the staff on their academic bodies like board of studies and examination.
• Staff are motivated and permitted to be resource persons for seminars/courses organized by Goa University and other Institutions.
• Staff are encouraged to apply for Major/Minor research projects funded by UGC and other agencies
• Invitations are extended to eminent personalities from various fields to deliver interactive guest lectures.

6.1.6 How does the college groom leadership at various levels?

A] Grooming Student Leadership
• Student Council elections are held in the college free and fair on the basis of democratic principles.
• University Faculty Representatives.(UFRs) are elected in the college to represent the interest of the college in the university
• Student's Council consisting of General Secretary and Class Representative of each class takes the responsibility of organizing the various cultural, sports and extracurricular activities of the college thereby displaying their leadership skills. Ladies Representative of the council shoulders all the responsibilities of the women empowerment issues.
• The Statutory Committees of the college also have student representation example, IQAC two students from Science and commerce stream are the members of the committee.
• Participation of the students in curricular and co-curricular activities inter and intra college enables them to gain confidence and develop their leadership potentialities.
- Students are given responsibility to handle the organisational committees of various workshops and seminars held in the college.
- “Spektrum” club of the chemistry department comprises of secretary who is the student and other five members of the club representatives of the each class who work in tandem for the fulfilment of the goals and objectives of the club.
- College organises "Jubilations" a four day cultural event comprising various interclass events showcasing their talents and organizational abilities. This event then culminates into the Annual day prize distribution.

B] Grooming Faculty Leadership
- Staff members head different statutory and non-statutory committees of the college. Staff members are members of Board of studies and Academic Council.
- Rotation of Head of Departments enables faculty to hone their leadership skills.
- Being a Government College, the faculty members both teaching and non-teaching are involved in programs of national significance such as the conduct of Parliamentary, Assembly and Panchayat elections in the capacity of Area Officers, Sector Magistrates, Presiding Officers, Master Trainers and Polling Staff.
- Staff members discharge their duties as programme officers for various schemes like NSS, conducting camps, rallies, street plays of the students in the interest of communities for the awareness of issues like environmental pollution, gender equality, female foeticide etc.
- Staff members of the college are appointed as representatives of university to be on the panel of selection panel of Assistant Professors.

- The vertical progression of some of our faculty is reflected in the fact that they are being deputed as Registrar Principal or Director of Government institution
  Dr. Mohan Sangodkar was appointed as Registrar of Goa University from 29/11/2005 to 28/11/2010.
Dr. Seema Rath, Associate professor of Economics has been officiating Principal of this college from 04/02/2006 to 25/06/2006, 17/07/2008 to 28/11/2010 and 11/12/2012 to 17/06/2014, 16/08/14 to 02/03/2015.

Dr. Lucas Miranda Associate professor of Maths was appointed as the officiating Principal of this college from 26/06/2006 to 16/07/2008.

Dr. Prakash Vazrikar, Associate Professor of Konkani is the officiating Director at Directorate of Official Languages Goa from 10/05/2012 till date.

Dr. Mahesh Pai, Associate Professor of Psychology, is the officiating Principal of Goa Home science college Panaji from 10/06/2013 till date.

Dr. S. V. Sukthankar Associate professor of commerce was appointed as the officiating Principal of this college from 28/06/2014 to 14/08/2014.

Dr. Jivexa Bhattacharjee, Associate professor of Chemistry is the officiating Principal of this college from 8th June 2015 till date.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

Principal functions as head and mentor of decentralized governance system.

In view of the fact that the college doesn’t have full time Principal, the Charge of Principal is allocated to the senior most faculty of the college, Dr. Seema Rath, Associate professor of Economics efficiently discharged her duties as officiating Principal of this college. Dr. Jivexa Bhattacharjee, Associate professor of chemistry is the officiating Principal of this college from June 2015 till date and monitored the day to day governance and functioning of the college. Furthermore the Heads of the various departments conduct monthly meetings with the staff both teaching and non-teaching attached to their respective departments in order to facilitate
the orderly conduct of the departmental curricular and co-curricular activities. Additionally, the HOD's in the Science stream also monitor the work of the laboratory staff assigned to their departments. Requirements for the laboratories are procured by the various departments through quotations and the bills are directed to the college office for clearance within the shortest time. The departments thus function smoothly and efficiently in a decentralized manner without undue interference from the management.

6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.

The college believes in the principles of participative management. Suggestions made by stakeholders at staff meetings; meetings of the PTA, IQAC, Alumni, Students Council and the College Advisory Committee are incorporated and implemented in the action plans of the college. The academic and other activities of the college are planned and executed by the various departments and committees constituted for the purpose. Decision making is a collective exercise with inputs of all the stakeholders being taken into consideration wherever possible. In fact periodic staff and departmental meetings ensure a culture of participative management. The non teaching staffs are also involved in various statutory and non-statutory committees of this college.
6.2 Strategy Development and Deployment
6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The main stakeholders of our college is the students where the main objective of the college is not only dissemination of the information but impart the right values and quality service to the society as responsible citizens of this country. Our IQAC is very vibrant where the Director of Higher Education is the representative of the management ie Government of Goa. The cell is reviewed periodically and all the goals and objectives of the committee reflect the need of the society from the stakeholders like our students, Alumni, community etc.

The IQAC aims at:

- Encouraging and facilitating the use of ICT in teaching and administration.
- Motivating teachers to undertake research projects
- Skill formation through conduct of add on and short term certificate courses.
- Sensitizing students to social issues.
- Promoting research
- Making available facilities to prepare students for competitive examinations
- Initiating improvements and corrective measures based on stakeholder feedback etc
- IQAC also involves in ensuring high standards in all the activities/programs organized by the College, including curricular, co-curricular and extra-curricular.

Yes. With the consideration of views of all the stakeholders, efforts are made to implement the policy at each level of functioning of the institutions. The policy is reviewed as per the feedbacks received from staff and students.

6.2.2 Does the college have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.
The College has a perspective plan both in terms of academic courses and infrastructure.

Academics: The College proposes to:
- College has been granted NOC to commence M.Sc. in chemistry.
- Department of Konkani has applied for research centre for PhD in Konkanian and Political Science.
- Department of commerce is underway to start M.com.
- Be a Centre for Potential for Excellence (CPE) by 2017-18.
- Be a Model Degree College under RUSA by 2017-16.

Infrastructure: The college is already acquired a full-fledged Arts and Commerce faculty block along with a multipurpose hall and canteen. This block meets the requirements of green building s per GRIHA (Green Rating for Integrated Habitat and Assessment). Proposal for RUSA is underway for further infrastructural development in the college.

6.2.3 Describe the internal organizational structure and decision making processes.
The organizational structure and the decentralized decision making process derived there from is depicted in the chart given below.
6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

The improvement of quality in the college is enhanced by having meets with the IQAC, college advisory committee and various other committees and following are the initiatives introduced for quality improvement.

A] Teaching and Learning:
Resource person of high calibre are invited to deliver lectures on recent advanced topics. Most of the class rooms in the college are ICT enabled. Various competitions are held with the theme where students can learn display their level of understanding. Students are motivated by awarding them with prizes. The students are engaged in group discussions, debates and brain storming sessions. The habit of reading newspapers/journals/books is also encouraged. Regular field trips, industrial visit, research institute visits and study tours are organized. Assignments/ projects of contemporary relevance are also assigned to the students. Moreover the continuous assessment of the students makes the students aware of their responsibility; this also keeps the check on their learning process. College prides in having rich library and access to N-list. The college plans to introduce automation of library.

B] Research and Development:
The college has a well defined Research Policy. Faculty are encouraged to register for and pursue doctoral studies and also apply for Major and Minor research projects. Staff members pursuing their doctoral studies are granted leave under faculty improvement programme (FIP) and state government leave after following the duly prescribed procedure. The Ph. D. aspirants are given committees with lighter workload. The college also
publishes an in house research journal "KHOJ" wherein the teaching faculty gets an opportunity write their research investigations. The college promotes the active participation and the presentation of research papers by the teaching faculty at State/National and International seminars/conferences/ symposia. The faculty is motivated to publish their research work in journals and books of repute. Institution provides conducive environment of research and development is evident from the fact that 17 faculty are PhDs 4 are in the process of completion.

C] Community Engagements:
Participation of the students in various programs helps to build the relationship with the society. Various programs organized by the NSS, and programs of other associations and clubs of the College such as plastic free campaigns, blood donation camps, Environmental day, visits to orphanages and old age homes, street plays on social issues, Rally on social issues etc have enabled the students of the college to build bonds with the community and contribute to the process of value addition. Red ribbon club conducts various programs on AIDS awareness.

D] Human Resource Management:
Human Resource Management is the important factor among both staff and students. Value addition and management of these valuable resources is reflected in the programs and activities that are organised in the college.

a) Human Resources- Staff
- The Staff welfare club organizes Faculty Development Programs from time to time
- The non-teaching staff have been acquainted with the use of computers
- Teaching faculty are encouraged to attend and present papers at seminars/conferences/workshops etc
- Leadership qualities are sought to be imbibed in the staff by motivating them to organize seminars/workshops and other such programs.
- As a quality enhancement strategy, non teaching staff of the college are deputed to attend and participate in human development programs organized by the GIRDA.
b) Human Resources – Students
- Students of the college are encouraged to participate in internal and external curricular and co-curricular programs organized within and outside the State.
- The literary skills of the students are honed by motivating them to contribute to the college wall paper, departmental notice boards, magazine as also contributions in the local newspapers and through publications.
- It has been the strategy of the institution to expose the students to new technology by incorporating the same in the class rooms
- Professional Counsellors as also the Class Counsellors address the emotional and psychological problems of the students
- Vertical mobility of the students in terms of employment is sought to be addressed through the Career Guidance and Placement Cell.

E] Industry Interaction:
Industry-Education interface is achieved through-
- Field trips/ industrial, visits by students.
- Placement interviews by the renowned industries. Vergo Pharmaceuticals had conducted the placement interview on 30th April 2014 where around five students were placed as quality control chemists in their industry.
- Inviting eminent resource persons from industry to address the students.
- Summer and winter Internships in industry. Sanofi-Aventis and Uni-chem have accepted our proposal for Internship in their industries.
- Industry oriented projects are given to students at TY level wherein they have to visit the industry and study their system eg. Commerce and for chemistry the students visit the industries and make use of their sophisticated instruments and hence have the confidence and exposure.
- Syngenta India Limited has a very good interface between our institutions and annually sponsors the co-curricular activities for students. Syngenta has also instituted Prize for the for BSc students scoring highest marks in chemistry at the Goa University final examinations.
• Department of chemistry, Government College of Arts, Science and Commerce Khandola Marcela-Goa, organized a one day workshop on “Safety in Laboratory” in collaboration with Syngenta, India on 30th April 2016. The workshop was organized with an aim of educating the Teachers, Laboratory staff and students on the safety to be followed while working in laboratories.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Directorate of Higher Education regularly conducts meetings of Principals of Government Colleges, where issues related to the colleges are discussed, deliberated upon and reviewed. Important and urgent communication is conveyed through the mails or telephonic conversations. Institution centric information and feedback is conveyed by the Head of the Institution to the various stakeholders at the meetings of the PTA, Staff, IQAC and the College Advisory Committee. The top management and the stakeholders are provided with the information wherever it is required.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The working structure of the college is basically decentralized wherein the heads of departments and staff have the flexibility to plan and execute activities of their respective departments and various associations. Various Committees are constituted comprising of teaching, non-teaching staff and students who actively participate in making the activity a success. Every year all the departments and committee in-charges submit their plan of activities and thereafter the report of the activity held is submitted to the office as well as in the local daily for appropriate awareness among the community. At staff meetings, decisions taken are unanimous. The staffs thus are an integral part of every aspect of college activity and facilitate the effectiveness and efficiency of the processes.
6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Being Government College, the college is managed by Government of Goa. However, there is a College Advisory Committee headed by the Director of Higher Education, representing various stakeholders who meet annually and deliberate on concerns of the college including infrastructure. The Director of Higher Education also conducts meetings with the staff. The resolution made at the last meeting was to have a full-fledged chemistry laboratory for starting a postgraduate course in Chemistry, apply for accreditation of the college, seek UGC funding, and apply for a research centre in Konkani language. The college also aims to make the campus green and eco-clean. College has IQAC which oversees the quality of education, infrastructure, and standing accounts committee which regulates the expenditure of the college.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If yes what are the efforts made by the institution in obtaining autonomy?

Yes, the statutes permitting autonomy have been passed by the Goa University recently. Our college, being Government, is working towards obtaining general consensus of teaching and non-teaching staff of the college regarding autonomy.

6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

The college has constituted a Grievance Redressal Committee. Complaints and grievances if any are addressed to this committee which deliberates on the same and takes decisions based on the inquiry conducted. The decisions so taken are then communicated to the Principal. Complaints cum Suggestion Boxes are also installed at prominently visible places in the college premises.
Grievances relating to examination matters are handled as per provisions written in the Ordinances of Goa University.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

No court cases have been filed against the college. The college also has not filed any cases against anybody.

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?**

Yes. The institution has mechanism for analysing student’s feedback on the institutional performance. Improvements sought by the students in the following areas have resulted in a very positive response from the college:

- Better canteen services
- Commencement of new courses
- Installation of water filters.
- Installation of wending machines and incinerator for sanitary pads
- Automation of library underway and N-list access.

Keeping in mind discipline issues:

- CCTV cameras installed at various places in campus.
- Outsources the security arrangements of campus round the clock
- Outsources the cleanliness of the college to cleaning agencies

**6.3 Faculty Empowerment Strategies**

**6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?**

The institution motivates the members of faculty to increase their knowledge and skills by providing learning opportunities to them.

- Teaching staff of the college are encouraged to attend, participate and present papers in State/ National/ International seminars/ workshops/ conferences.
Staff is motivated to apply for research projects and further courses of study but is supported in these initiatives through sanction of duty leave, study leave and necessary adjustments in their lecture schedules.

The non T teaching/office staff has received training in computers and this has made the process of e-administration possible. Besides, the staff is also deputed to attend programs and courses intended to improve their operational and professional efficiencies. The G-PARD which is a Goa Government initiative, conducts various short duration courses for non-teaching staff on providing training in service matters.

The teachers are encouraged to do their Ph.D. and further researches by availing UGC FIP and Sabbatical leave.

Faculty improvement programs are conducted for the benefit of staff College had organised E Governance workshop for the teaching as well as nonteaching staff in 2014.

The following staff members have availed for FIP for completing their PhD study:
- Dr. Pravina Kerkar from 16/06/2010 – one and a half years
- Dr. Dilecta D’costa from 23/11/2009 – two years
- Ms. Fatima D’souza from 29/6/2013 – three years
- Ms. Radha mani Divaker from 12/8/2013 – two years

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- The teaching staff is encouraged to attend the orientation programme and refresher courses for career advancement of teaching staff. The fees are reimbursed by the college.
- Teaching staff are deputed to attend conferences, workshops and seminars and the registration fees are reimbursed.
- The college has a Staff welfare club which takes the initiative of organizing Faculty development programme and motivational programs for non teaching staff.
- The college deputes the non teaching staff for various staff improvement/ enrichment programs to improve their operating efficiency. Mostly the programs organized by the Goa Institute of
Rural Development (GIRDA) for upgrading staff skills are attended by the non teaching staff.

- The college has also imparted computer training to the non teaching staff. Staff is computer proficient.
- Teachers are members of different prestigious Associations like Indian Academy of Sciences, Indian Council of Chemist, Association of Chemistry teachers.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Besides, the regular appraisal of staff by the students, this institution being a Government College, every employee both teaching and non-teaching has to fill in the Annual Confidential Report (ACR). While the ACRs of the non-teaching staff are reviewed by the Principal, those of the teaching faculty are forwarded to the Secretary of Higher Education whose grading will determine staff eligibility to higher scales/grades under Career Advancement Scheme (CAS).

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

Teacher assessment questionnaire duly filled by the students are shared by the Principal with the teachers for any improvement or appreciation. Time to time feedback about academic, infrastructure is obtained from PTA alumni etc.

As mentioned in response to question 6.3.3, the remarks of the Secretary, Higher Education on the ACRs submitted by the teaching staff will have a bearing on their career advancement. The same holds true for the non-teaching staff where the appraisal of their ACRs by the Principal will determine their vertical mobility in terms of promotions as also release of salary increments. Adverse remarks, if any, are communicated to the teachers/ non-teaching staff.

Till date none of the members of the teaching and non-teaching faculty have been adversely affected on account of the appraisal of their ACRs.
Teacher assessment questionnaire duly filled by the students are shared by the Principal with the teachers for any improvement or appreciation.

6.3.5 What are the welfare schemes available for teaching and nonteaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The staff of the college benefit from a host of welfare measures available:

- House building advances (HBA) at the nominal interest rate of 2%.
- Motor car Advances (MCA)
- Leave Travel Concession (LTC)
- Medical Reimbursement
- Group insurance
- Staff Quarters
- General provident Fund, Gratuity, NPS
- Advances for consumer durables from the GPF
- Employee’s corporate society was formed initially from 2007 since lot of financial assistance is given by Government or banks this society had to be stopped.
- Cover under employee insurance scheme.
- Free uniform and washing allowances for class D employees
- Bus services, canteen and gymnasium for students
- The Students Consumer Co-operative Society formation is underway, to be operated soon.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

This being a Government college, all the teaching staff is appointed by the Goa Public Service Commission (GPSC) on merit basis. However to retain the eminent faculty, support is given by the college to pursue PhD and Post doctorate. Since the college is government usually the faculty prefer to remain in government sector for the sake of security and Pension Plan after retirement. Attraction of pay commissions eg VII pay commission in the pipeline is another advantage to the government faculty. The college also invites experts from Industry and retired faculty.
from other colleges. It is pertinent to note that the Government Colleges are proud to have the best faculty available today. Even in case of temporary appointments the Directorate of Higher Education follows an online transparent recruitment process.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The financial matters are handled by the Directorate of Accounts, Panaji, through proper channel i.e. the Directorate of higher education. There is in house accountant, Cashier and upper divisional clerk and a store keeper. The college has a well established and duly publicized mechanism for effective and efficient use of financial resources in the form of a well defined manual which is used as a handbook for all financial matters. To ensure scrutiny, accountability and transparency in the financial transactions of the college, the following Committees have been constituted:

- Standing Accounts Committee
- Purchase Committee
- Stock verification Committee
- Maintenance of dead stock and consumable registers by the departments and administration.

Instructions are been given to the office staff to prepare and submit the time bound bills and the other relevant bills within the shortest period. To ensure smooth administration the Principal has instructed the office staff to comply with all official written instructions. The Principal monitors the work efficiency of the office staff and other support staff and is the signatory to all the financial transactions up to a certain limit within the powers of the Principal. The major financial decisions are approved by the Director, in consultations with the Government. Where the Education secretary, Finance secretary and the Education minister is the final authority to sanction or grant the permission
6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The college has a comprehensive mechanism for both internal and external audit.

A] Mechanism for Internal Audit:

• All the salary and non salary bills are prepared and checked by the Accounts Section and then sent to the Directorate of Accounts for pre-auditing and passing the same. This is as per the Government Central Treasury Rules (CTRS).

• All the full time / regular teaching staff, including Principal, Librarian and Director of Physical Education are Grade A Gazetted Officers. Hence, they are self drawing and disbursing officers. However their salary bills and other bills like T.A/D.A, L.T.C, G.P.F advances and withdrawals, Medical and children’s tuition fees Reimbursement, other housing loans and advances etc are checked by the Accounts Section of the College and pre-audited by the Directorate of Accounts.

• For all —college controlled Money‖ (Bank Account) there is a Standing Accounts Committee to monitor the requirements/ needs and expenditure.

The accounts of the college controlled money are audited and certified by a qualified auditor duly appointed for the purpose.

• Annually stock verification is carried out in respect of dead stocks pertaining to general stores, laboratories, sports and library.

• The college also has a purchase committee to identify the college needs and purchase the same through prescribed procedure.

• Cash books, budget check register, cheque register etc are maintained as per Government rules.

• Postal stamps/ Government stamps account is maintained and periodically checked.

• Monthly statement of expenditure with all the details is prepared and sent to the Government as required before the 10th of every month.
• Income tax is deducted at source as per IT law. Other employees’ deductions are duly checked as part of the internal audit mechanism.
• The college fee receipts are credited to the Government treasury and expenditure is met through State Government funds allocation.

B) Mechanism for External Audit:
• External Audit Committee visits the College periodically. Auditing is done by the Directorate of Accounts.
• Internal funds of the college are audited by a registered Chartered Accountant.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

• Being a Government Institution, the major finances originate from the Directorate of Accounts, Government of Goa.
• Fees received from the students are credited into the Government Treasury.
• College receives grants from UGC as additional assistance on different schemes like FIP, E-accounting, development scheme etc.
• Deficit in funds if any is corrected through government allocation.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Additional funding has been sourced from:
• Research Projects of UGC
• UGC grants under various schemes
• Grants from the Department of Art and Culture, Government of Goa
• Grants from ICSSR, DST,
• RUSA proposal is under process.
6.5 INTERNAL QUALITY ASSURANCE SYSTEM (IQAC)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If yes, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

The college has set up an Internal Quality Assurance Cell (IQAC) vide office memorandum no. GCASCK/EST/NAAC/05/1057 dated 13/09/2011.

The institutional policy with regard to quality assurance is enshrined in the vision, mission and the goals and objectives of the IQAC

**Vision Statement:** Centre for Excellence

**Mission Statement:** To Dedicate our energy to be responsive to the needs of an ever changing society by promoting excellence in academics and art.

**IQAC Goals for 2016-2017**

- To encourage and facilitate use of ICT in teaching and administration
- To motivate teachers to undertake research projects
- To increase the number of add on and short term certificate courses
- To organize seminars and workshops at the State and National levels
- To monitor the Academic excellence of students
• To conduct Faculty Development Programme for staff and training programs for accounts staff
• To set up a language laboratory
• To make available facilities for preparing the students for competitive examinations
• To widen the reach of the placement cell
• To monitor students feedback on teachers, curriculum and campus
• To set up a Research Centre in Konkani, Commerce, Political Science
• To commence Post graduate courses in Chemistry and Commerce and to obtain No objection certificate for other programs.
• To encourage students to participate in research activities
• To motivate students to take up Natural Sciences as their career.

Several mechanisms (official systems/sub systems) healthy and effective /tried out practices are being implemented in the college towards internal quality checks/good governance. They are grouped as checks for:

a. Mechanism /Process for internal quality checks for the staff
  • Assessment of lecturers by the students annually.
  • Self assessment by the lecturers through annual confidential reports (ACR) forms where the Principal is the reporting officer.
  • Regular staff meetings
  • Monthly reports of the committee's activities.

• Punctuality and Accountability.
  Bio-metric system of attendance for teaching & non-teaching staff, CCTV, muster roll, movement registers, Attendance records of lectures taken.
• Leave record
  ▪ The teaching staff is entitled for Duty leave, Child Care Leave, Sabbatical leave, Earned Leave, As per the statutes of Goa University.
  ▪ The accountability of staff members is reflected in the fact that Joining reports are to be submitted after availing respective leave facility leave.
- Attendance certificates & report of seminar, workshop attended are to be submitted after availing duty leave.
- Report of the research work carried out during sabbatical leave has to be submitted through proper channel to the Directorate of higher Education for compliance.

- **Assessment of Teachers**
  College has the feedback mechanism from students in the form of Assessment of lecturers by students, feedback is obtained from PTA and Alumni and community during meetings.

**b. Mechanism/process for internal quality checks for the students**
- Regular counselling for improvements by the class counsellors/teachers and conduct of remedial classes.
- Students have to submit reports after attending educational /study tours, industrial visits etc. these are then displayed on the Gallery or notice board of the college or departments.
- Students mentoring Committee, where students are guided for their personal & academic problems.
- Attendance: 75% Attendance is compulsory. Regular Counselling of students for absentees is done by respective teachers. Absentees are confronted with explanation. And if the frequency increases parents are informed accordingly.

- Internal semester Assessment is carried out twice in a semester this checks the academics of the students. Assignments, projects, presentations, posters submission monitors the quality of academic interests of the students.

**c. Other miscellaneous checks of internal quality**
- Accounts Standing Committee to maintain scrutiny and transparency in College controlled accounts.
- Canteen committee is constituted to monitor and check the prices and quality of services offered in the canteen.
Goa State Infrastructure and Development Corporation (GSIDC) is responsible for the development and maintenance of the infrastructure.

- Library facility: students with valid library cards are allowed in the library; special demand slip system is in place to check the delay of submission of books.
- Examination quality check: compulsory hall tickets for V and VI semester students from the Goa University and fee receipts for Semester I, II, III, and IV students are scrutinized during examinations.
- Laboratory quality check: students are not allowed without their aprons, safety goggles, and masks.
- Purchase committee: who decides purchases of college requirements.
- Security check: disciplined security system does not allow strangers to enter the college campus. Safe parking facility for staff & students in the stilt area of the building. Fire extinguishing facility through pipelines is set and maintained regularly.
- Power supply and water supply issues are resolved by Electricity department and P.W.D efficiently.
- Minor issues, if any, are addressed to the principal and are done at the college level.

b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

The following decisions of the IQAC have been approved and since its inception.

1. Use of ICT in teaching and administration.
2. Undertaking of research projects
3. Organizing seminars and workshops at the State and National levels
4. Conducting FDPs for staff and training programs
5. Students’ feedback on teachers, curriculum, and campus
6. Setting up a language laboratory
7. Setting up of a Post Graduate Centre in Commerce
8. Commencement of Post Graduate Course in Chemistry
9. Constructed new college building (inaugurated on 7th July 2015)
10. Setting up of Chemistry, Konkani, Political Science & Commerce Research Centres
11. Mentoring system
12. Online feedback to be implemented from 2016-17

The above decisions of IQAC are implemented till 2015-2016 and following decisions are yet to be implemented in 2016-2017.

14. Link IQAC to the College website.
15. NSS coordinator to bring out a report on NSS unit for last 5 years
16. Wi-Fi Connection to be made available for both teachers and students
17. Initiative to start entrepreneurship programme
18. Students corporative society and consumer cooperative store
19. Signing MOU with Goa Pollution Board and request GSIDC for small bio waste converter.
20. Decision to include one representative from Syngenta India limited.

c. Does the IQAC have external members on the committee? If so, mention any significant contribution made by them.

Yes. Shri. Vitthal S. Sukhthankar, Mr. Carlos Fernandes, Shri. Swapnil Kamat, Shri. Siddharth Palang, Shri. Kashinath Naik & Shri. Vitthal Navelkar are the external members on the newly reconstituted IQAC.

Shri Siddharth Palang sponsored the Paper cutting Machine. Mr. Vithal Sukhtankar agreed to explore the possibilities of signing MOU with GIM. Mr. Swapnil Naik accepted to organise career guidance programs and prepare database of ex-students.

d. How do students and alumni contribute to the effective functioning of the IQAC?

- Students and alumni play an active role in the realization of the goals of the IQAC. Students give their feedback on the curriculum,
campus and teachers which helps in the process of monitoring the progress and ensures reforms for qualitative improvement of the institution.

- The alumni are invited as resource persons to share their experience and expertise with the students.
- Student council give all suggestions to Class Representative & University College Representative bring awareness about college, university rules, students, etc
- PTA & Alumni encourage students to participate in different co-curricular activities by sponsoring lots of prizes
- And alumni also provide placements for students

e. How does the IQAC communicate and engage staff from different constituents of the Institution?

The decisions taken by the IQAC are communicated by the Principal who is the chairperson of the IQAC to the various stakeholders through the mechanism of meetings, Emails, notices etc.

6.5.2 Does the institution have an integrated framework for quality assurance of the academic and administrative activities? If yes, give details on its operationalization.

Yes, The Academic Calendar, prospectus, magazine, the Examination Planner are the in-built mechanisms created to ensure academic and administrative quality assurance. The various committees, statutory and non-statutory monitor the effective operationalization of the college activities.

The chief examination officer: to monitor entire examination effectively
NSS report: all the activities are carried out by NSS Committee

6.5.3 Does the institution provide training to its staff for effective implementation of the quality assurance procedures? If yes give details enumerating its impact.

- Every year an orientation programme for the newly recruited staff (contract basis and lecture basis) is organized by the college in association with the Directorate of Higher Education.
Training programs are organized for the staff on the use of new technology.

Training has been provided to make the administrative staff computer literate. The teaching staff & non-teaching staff are allowed to participate in seminar at state, national & international level to update their knowledge. Staffs is encouraged to pursue their PhD

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If yes how are the outcomes used to improve the institutional activities?

External Academic Audit: No.
Internal Academic Audit:
Feedback obtained on the curriculum, teacher’s performance is reviewed and relevant information is used to improve the academic plan. The ACRs of the faculty are reviewed by the Principal and then examinationed by the Director, Directorate of higher education. The question papers set are checked by the HOD before submitting to examination section so also the answer books are thoroughly scrutinized to verify any discrepancies

6.5.5 How is the internal assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?
The college has taken the initiatives to ensure that its internal quality assurance mechanisms are consistent with the requirements of agencies such as the NAAC, RUSA and the affiliating University.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- Teachers‘ assessment by students
  Institution has mechanism to gather feedback from the students of the teachers.
Two ISA are required to appear for SEMESTER end examination where first ISA is written and second is assignment and Quiz

Attendance committee
The lectures taken are signed by the concerned teachers on the attendance sheets thereby gives the evidence of accountability of the students.

Examination committee
The results of the students at the end of semester reflect the efficiency of teaching learning process.

ACR
The teachers are expected to submit the ACRs which enable them to get higher grades thereby check the efficiency.

Counselling or mentoring
The registers are kept in the respective departments after mentoring is carried out.

All of the above mechanisms make the teaching-learning process vibrant and effective.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?
Quality assurance policies are communicated to the various stakeholders through the college website, college magazine, prospectus, press notes and also through PTA and student Council meetings.
Time to time announcement in the form of public address system
Each teacher’s verbal communications through mobiles, whatsapp groups, facebook, emails, notice boards, etc.
CRITERION VII

INNOVATIONS AND BEST PRACTICES

7.1 ENVIRONMENTAL CONSCIOUSNESS

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

The Report of the Green Audit for the Institution though not conducted in the past, the process of green audit has now commenced.

Green Building

The Arts and Commerce building is a Green Building as it fulfills the criteria laid down by the Green Rating for Integrated Habitat and Assessment (GRIHA). According to the criteria laid down by the GRIHA the Arts and Commerce building was constructed by the Goa Infrastructure Development Corporation. This is the first educational institution in Goa that has a Green Building.

The Government College, Khandola is nestled in the lap of nature. The college has a clean and healthy environment. The students and staff of the college are environmentally conscious and has always taken the initiative of protecting and promoting a healthy environment.

Tree plantation

Tree plantation drives have been undertaken by the NSS unit of the college. There are fruit bearing plants, flowering trees, ornamental plants in the college premises.

The Nature Club distributes saplings to the community in and around Marcela so as to encourage the community to grow more trees and enhance the environment.

State Level Seminars/Workshops

To address issues of environmental concerns arouse public consciousness towards the depletion of the environment State Level Seminars/Workshops were organized.

State Level Seminar on Environment: Issues Concerns and Alternatives was organized on issues on mining and climate change with special reference to Goa, and measures for sustainable environment.

Swachh Bharat Nittal Goem: Mission Inspired by Patriotism was a State Level Workshop organized to create environmental consciousness on matters of promoting a clean and healthy environment in Goa. The resource persons addressed the participants on making Swatch Bharat a
Reality, the need for Swatch Bharat Nitall Goem and measures that can be adopted for achieving Swatch Bharat.

**National Environment Awareness Campaign**
The Nature Club of the college participated in the National Environment Awareness Campaign funded by the Ministry of Environment and Forests, Government of India.

Under the *Awareness Campaign* a number of activities were organized based on themes such as:

*Forests for Sustainable Livelihoods*: nature trail to the Bondla Wild Life Sanctuary, Poster Competition on ‘Significance of Forests’ and ‘Impact of Climate Change’ was organized.

*Renewable Sources of Energy: Reducing Carbon Footprints*: participants were exposed to solar energy equipment’s and gadgets. Talks and competitions on renewable sources of energy were promoted.

The Nature Club has signed an MOU the Bharatiya Agro Industries Foundation Development Research Foundation, Pune the nodal agency to conduct the National Environment Awareness Campaign.

**Hikes**
The students are taken on hikes to create in them a sense of belongingness and respect for nature. The students learn about the flora and fauna about the place. The students came back enriched about the environment.

**Environmental Studies**
A compulsory paper on Environmental Studies has been integrated in the curriculum for the first year students of the college in which they learn about importance of environment, protection of environment, impact of human activities on environment and various environmental issues.

7.1.2 **What are the initiatives taken by the college to make the campus eco-friendly?**
The college has undertaken the following initiatives to make the campus eco-friendly:

1. **Energy conservation**

   *Solar energy*: is used to illuminate the street lights in the campus, corridors and washrooms in the Arts and Commerce building.
Use of LED and CFL bulbs are used in classrooms and laboratories to conserve energy.

Sensitization to conserve energy: Concerted efforts are made by the faculty members to sensitize the students to switch off the fans, lights and other electrical equipment in the departments, laboratories and college premises after use. The students are regularly sensitized to use water and electricity judiciously and only when required. Guidelines are drawn and maintained in the laboratory and library to shut the power off when not in use.

Minimize ozone depleting substances
All insulation used in the building is CFC and HCFC free.
All AC equipment is CFC free.
The fire-suppression systems and fire extinguishers is halon free.

2. Use of renewable energy

Solar power generating system
To ensure use of renewable energy, 25 solar panels is installed in the premises. The solar power generating system illuminates street lights in the campus and corridor lights in the Arts and Commerce building.

Field Trips to
Students are sensitized and made aware of the renewable sources of energy through field trips to the Goa Energy Development Agency, Pilerene. The students were exposed to the various equipment’s and gadgets run on solar energy like solar cooker, harvesters, threshers and so on. State level poster competition and model building competition inculcated in students the use of renewable sources of energy. The institution is making several efforts to sensitize and create an awareness among the future generations about renewable sources of energy.

3. Water harvesting

Rainwater harvesting tank of 80,000 litres is provided on site to collect the storm water drain built by the Goa State Infrastructure Development Corporation. Provisions are made for rain water harvesting in the campus.

Conservation of water by departments is carried out to conserve and save water. The Department of Chemistry has an electrical motor which is used to circulate water during preparation of distilled water, which saves lot of water consumption in. In the Department of Microbiology sterilization
and decontamination of glassware in undertaken in big batches instead of individually.

4. **Efforts for carbon neutrality**

   **Green Building** the Arts and Commerce building is a green building as per the criteria laid down by the Green Rating for Integrated Habitat and Assessment (GRIHA).

   **Car-pooling** is emphasized and undertaken by the staff to reduce carbon footprints.

   **Natural lighting** classroom are built to capture natural lighting and thus reduce the use of artificial lighting.

   **Dust Free Classrooms**

   The classrooms have been fitted with green boards. There are also white boards installed in the classrooms. This ensures a dust free teaching – learning environment.

   **Ban on smoking**

   Smoking is not permitted in the college campus. Sign boards displaying NO SMOKING are displayed in prominent and visible places in the college premises.

5. **Plantation**

   NSS/Alumini Association undertakes tree plantation drives. Plantation awareness drives are carried out by Nature Club. Plantation around the new building is in process.

6. **Hazardous waste management**

   **Reducing use of plastics** by encouraging the students to make and use cotton bags undertaken by the N.S.S unit of the college. The NSS unit also undertake the disposal of plastic milk bags by collecting these bags and then returning them to the Goa Milk Producers Co-operative Federation for recycling.

7. **e-waste management**

   **Disposal of obsolete computers**

   E-waste is disposed of as per the rules, regulations and procedure laid down by Government of Goa. Initiatives were taken to dispose the old computers present in the Computer Laboratory with the help of Department of IT, Goa Government. Auctions/buyback policy as laid down by the Department of Information Tech, Government of Goa. Accordingly the Department of Information Technology through its Standing Condemnation Committee (SCC) conducted onsite inspection in the Department of Computer Science, Government College, Khandola.
The SCC committee analyzed the status of the hardware and recommended the appropriate mode of condemnation. In all, 26 desktop computers, 22 UPS, 9 printers and 01 modem were condemned. The mode of condemnation is either buy back or disposal.

7.2 Innovations
7.2.1 Innovations introduced
The college has introduced various innovations that have shown a positive impact on the functioning of the college. The Institution has implemented various innovations in the teaching learning process.

- **Automatic College Bell is indigenously developed by Department of Physics.**

  This project aims at complete elimination of man power requirements utilized for the task of ringing college bell at predetermined time. Since the job of ringing the bell has to be done efficiently in specific time intervals, one cannot do this along with other routine work. As a result one peon / attendant has to be exclusively assigned the job of ringing the bell. The scarcity of adequate man power created a need for automation of this process.

  A multipurpose microcontroller based programmable timer circuit forms the heart of the device which was purchased from an electronic component store. Other required accessories like power supply board and control boards are designed and developed in the Physics laboratory. The Timer circuit boards along with other accessories are assembled in a locally fabricated cabinet having lock facility. The bell is designed to incorporate an appropriate ringing cycle by means of embedded program feed through a control panel provided on the front portion of the assembly unit. The current time and the working status of the bell are displayed on the LCD screen provided on the front panel of the device. This college bell is in use since 2012 with adequate adaptations in program in accordance with the yearly college time-table. An appropriate change in program takes care of examination requirements which run in two shifts. The
expenditure for the said project is incurred from the UGC fund allocations. (XIIth Plan)

- **Working model of biogas plant**
  Our microbiology students constructed a small portable pilot mode of a biogas plant which won the first place at a competition held at Shivaji University Kolhapur. The S.Y.B.Sc. Microbiology students of GCASCK prepared a small working model of biogas plant, capacity 5 litres using a mixture of cow dung and water as raw material. The gas produced was collected in a small inner tube obtained from a scooter tyre. The gas was controlled by valves and could be used to light a small single burner for limited period of time i.e. 15 minutes. The project was presented at Biocomp 15 held at Department of Microbiology Shivaji University in collaboration with Microbiological Society of India – Dr. Deshmukh. The model was awarded 1st place as it could be easily transported from different locations and used as a demonstration model for farmers, etc.

- **Field Trips**
  Besides classroom teaching, various Departments regularly organize field trips to Goa Legislative Assembly, Village Panchayats, GIPAD, spice plantations, Institute of Psychiatric and Human Behaviour, Institute of Psychiatric and Human Behaviour, Indian Council Agricultural Research, study tour to various research institutes and industries in other States.

- **LCD Projectors** in class rooms has helped in the easy understanding of the subject. The new wing of the college has a full fledged Commerce laboratory and I.T laboratory and project rooms for discussions that has helped students to enjoy learning.

- **Creative and communication skills**
  The Departments encourage students to participate in various competitions held in other institutes, universities and Colleges, to make models, wall papers and power point presentations thus improving their creative and communication skills.

- **Book bank**
  In the Library there is a Book Bank Scheme wherein students are offered a maximum number of text books. This scheme enables students especially the underprivileged to acquire books in their subjects for the academic year. There is also an in house publication
section in the Library with the following in house publications Mahashala College Magazine, Khoj College research journal, Handbook of Library holding, Spot light Newsletter, Campus Glitters (News Bulletin). *Over Night book issue* facility is provided to the third year students of the College.

- **Counsellor**
  The college has a counsellor who provides personal counselling to the students on issues that affect their mental health. The services of the counsellor has benefitted the students a great deal in their personal and academic life.

### 7.3 Best Practice

#### I. Title of the Best Practice

Extension of services to community (for water analysis, microbial flora of fruits and vegetables from local market for use in fermentation, study of N2 fixers in order to increase yield of Phaseolus vulgaus – kidney beans)

1. **Goal**
   Aims and objectives
   - To give the students hands-on experience in analyzing environmental samples.
   - To determine portability of water in the surrounding villages.
   - Waste management by using bacterial & fungal cultures.
   - Use of bacterial symbionts in local crops to improve yield.

2. **Context**
   - The students need to be familiarized with how to use the techniques that they have learnt in the syllabus for analyzing samples from the surrounding environment.
   - The data obtained can prove to be useful to the local population.

3. **Implementation of the Best Practice**
   The microbiology department every year takes up projects for the T.Y.B.Sc. students which would be beneficial to the local population. The analysis of well water samples from the surrounding villages of St. Estevam, Cumbharjua and Marcel was
carried out and in case of wells in which pathogens were encountered the results were communicated to the residents using the water and they were advised to periodically use KMnO4 to purify the well water. The rotten fruit and vegetables discarded at the weekly local market were collected and used for citric acid production by using a fungal inoculant. Thus getting rid of the waste and producing a useful metabolite during the process. The N2 fixing bacteria *Rhizobium* was isolated from kidney beans as well as *Gliricidia* roots and their potential as biofertilizer agents was tested for the *Phaseolus vulgaris* crop which is cultivated in the surrounding villages.

The bacterial flora of the Mandovi River was studied from source to mouth thus obtaining an overall picture of pollution during pre-monsoon to post-monsoon seasons.

4. **Evidence of success**
   - Students learn to plan and carry out independent work.
   - Learn to document, analyze and interpret data.
   - They again experience on interacting with local population, authorities & different government departments.
   - The local population also benefits from the results of the projects.

5. **Problems encountered**
   - Obtaining samples from various places.
   - Some laboratory equipment like PCR machine etc. is not available in the laboratory.

II. **Title of the Best Practice Academia – Industry Interface**

The Institution emboldens Academics with Industry through various industry related initiatives.

2. **Goal**

**Aims and Objectives**

- To expose students to the world of work.
- To make them understand the work culture in industry.
- To create an awareness of the opportunities available and make the maximum use of such opportunities.

3. **Context**
Students need to be prepared for the world of work. The academic provides them with theoretical knowledge. This is not enough. Students have to be prepared for the world of work. They need to be aware of what is expected to them and knowledge of how to get there. Exposing students to the industrial environment will make them realize the expectations of industry, the work culture and work ethics. Students can then prepare themselves accordingly. This will enable them to be employable once they graduate.

4. **Implementation of the Best Practice**

**Academia – Industry Interface** is promoted by the Institution through various initiatives.

- Practical insights and exposure to the industrial world through study visits, field trips, educational tours, industrial visits, and project work is adopted by the various Departments.
- Workshops are conducted to train students to get accustomed to the world of work and the work culture expected in industry.
- Lectures, talks, discussions with experts from industry are held from time to time which provides the students with the much needed exposure to the industrial life.
- Students do Industry based projects. By going to the industry to collect data they get first-hand experience of the industrial culture.

5. **Evidence of Success**

- Students realize the need to groom themselves for the brighter future.
- Students are prepared to face the basic requirements of industry.
- Students become independent, confident and decisive.
- They learnto adjustment and also get exposed to various work cultures.
- A passion for learning something new about industry is created amongst the students.

6. **Problems encountered and resources required**

- Motivating students to realize the importance to get acquainted with industry and expectations from industry.
- Obtaining the required permissions from industry for visits and field-trips.
7. Notes
This Best Practice by the Institution prepares the students for a better future. They will get an overview of the prospects in industry and are prepared to face the challenges. Our students being mainly from rural areas and first generation learners need to understand the world of work. The work culture and work ethics expected of an employer/employee in an industry. The academia – industry interface is one such practice that will make them realize the different facets of a whole new world outside the campus.

III. Title of the Best Practice
Club “Spektrum” by Chemistry Department
The chemistry department instituted a club called “Spektrum” for chemistry students.

2. Goals
1. To inculcate the interest in learning Chemistry at the undergraduate level and to promote education in chemistry by correlating with mankind and environment through experiments.
2. To acquaint individuals with current trends in chemistry and to provide opportunity for individual participation and professional growth.
3. To develop student’s awareness and concern for issues in chemistry related to social, environmental and technological contexts.
Motto of the club is “CHEMISTRY IS FUN”
Vision “LET THE RAYS OF KNOWLEDGE REACH TO YOU”

3. Context
Students can apply chemistry in day to day life and enjoy it rather than considering it as a burden and studying it only for the purpose of scoring in tests.

4. Implementation of Best Practice
The club focuses on activities like industrial visits, guest lectures, quizzes, competitions to increase knowledge of chemistry etc.
Following activities were carried out as a part of “Spektrum” club in the year 2015-16.

- **Chemistry Quiz** – An intra class chemistry quiz competition,
- **Poster** - A poster competition was organised on the theme “Chemistry - yesterday, today, tomorrow”.
- **Ex-Tempore** - A topic on chemistry in everyday life was given on the spot and students were told to speak on it.
- **Action- Reaction** - Demonstration of simple chemical reactions and chemistry behind the reaction was expected from the students.
- **Nutri-chem** - A Cooking competition on the theme cooking without fire, where the nutritional value and the name of the chemicals involved in the ingredients was the key aspect.
- **Flori – chem.** (Chemistry of flowers) - The competition was based on arrangement of flowers grown in garden and wild flowers. Explanation on the basis of chemistry of flowers and the pigments present in flowers was expected from the students during judgement.

6. **Evidence of Success**

**Kynesis**

A one day intercollegiate chemistry event KYNESIS was organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science. Various competitions like chemistry quiz, poster making (“Chemistry - yesterday, today, tomorrow”), Action Reaction (Demonstration of chemical reaction), Oral presentations were organised. Our students won **first place** for the following events:

- poster making (“Chemistry - yesterday, today, tomorrow”) - Dixit Phadte and Charant Naik
- **Action Reaction** - Stacy Remedios and Schubert Fernandes
- **Oral presentations** - Schubert Fernandes
- The first place winners Trophysicalsical for the event Kynesis was awarded to our College.
- Annual convention of Chemistry Teachers was held on 24th February 2016. There was a poster competition organized on the theme “Green chemistry” for B. Sc. students. The students Sanam
Vaingankar and Madhuri Naik participated and won first place in the competition.

7. **Problems Encountered and resources required**
   Motivating and convincing the students to participate in the competitions, time constrain, organizing the competitions for different classes beyond the working hours. Judging of the events was difficult as the competitions were held beyond class hours. Resources required were partly covered by college and partly by the students under spectrum fund.

8. **Notes**
   This practice helps in all round development of students. They are exposed to different competitions where in their practical skills, knowledge etc are increased. Students can overcome their stage fear, lack of confidence and this has been indicated by their performance in intercollegiate competitions.

**IV. Contact Details**

Name of the Principal: Dr Jivexa Bhattacharjee
   Offg. Principal

Name of the Institution: Government College of Arts, Science and Commerce

Village: Khandola-Marcela-Goa
   Pin Code: 403107
   Accredited Status: B+ Grade

Work Phone :0832-2287718
   Fax: 0832-2287718

Email:gcasck@rediffmail.com

Website: www.khandolacollege.edu.in

Mobile: 9422440970
Evaluative Report of the Department  
Department of Chemistry

1. Name of the department: Chemistry

2. Year of Establishment : 1991

3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):
   UG: B.Sc. Chemistry (six units)

4. Names of Interdisciplinary courses and the departments/units involved:
   Short term certificate course in Water Analysis in collaboration with Goa Pollution control board and microbiology Department is proposed in the month of November.

5. Annual/ semester/choice based credit system (program wise) :

6. Participation of the department in the courses offered by other departments:
   Nil

7. Courses in collaboration with other universities, Industries, foreign
   Nil

8. Details of courses/programs discontinued (if any) with reasons :
   Nil

9. Number of Teaching posts:

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
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</table>
10. Faculty profile:

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>Years of Experience</th>
<th>No of Ph.D students guided for last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Jivexa Bhattacharjee</td>
<td>M. Sc., Ph. D.</td>
<td>Associate Professor</td>
<td>Organic Chemistry</td>
<td>24</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Beena Vernekar</td>
<td>M. Sc., Ph. D., SET</td>
<td>Associate Professor</td>
<td>Inorganic Chemistry</td>
<td>22</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Rajashri Mordekar</td>
<td>M. Sc., Ph. D., SET</td>
<td>Assistant Professor</td>
<td>Physical Chemistry</td>
<td>12</td>
<td>-</td>
</tr>
<tr>
<td>Mr. Jeffrey Viegas</td>
<td>M. Sc.</td>
<td>Assistant Professor</td>
<td>Organic Chemistry</td>
<td>1 (2015-16)</td>
<td>-</td>
</tr>
<tr>
<td>Ms Sneha Parab</td>
<td>M. Sc.</td>
<td>Assistant Professor</td>
<td>Physical Chemistry</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ms Sujata Kerkar</td>
<td>M. Sc.</td>
<td>Assistant Professor</td>
<td>Physical Chemistry</td>
<td>1 (2015-16)</td>
<td>-</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty:
   Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

**UG: B.Sc. Chemistry**

<table>
<thead>
<tr>
<th>Year</th>
<th>% Lectures</th>
<th>% Practical classes</th>
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</thead>
<tbody>
<tr>
<td>2012 - 2013</td>
<td>-</td>
<td>43</td>
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</tbody>
</table>
13. **Student -Teacher Ratio (programme wise)**

**UG: B.Sc. Chemistry**

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Student-Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012 - 2013</td>
<td>17:1</td>
</tr>
<tr>
<td>2013 - 2014</td>
<td>20:1</td>
</tr>
<tr>
<td>2014 - 2015</td>
<td>21:1</td>
</tr>
<tr>
<td>2015 - 2016</td>
<td>20:1</td>
</tr>
<tr>
<td>2016 - 2017</td>
<td>22:1</td>
</tr>
</tbody>
</table>

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled**

<table>
<thead>
<tr>
<th>Support Staff</th>
<th>Sanctioned</th>
<th>Filled</th>
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<tbody>
<tr>
<td>Laboratory Assistant</td>
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<td>01</td>
</tr>
<tr>
<td>Laboratory Attendant</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Jivexa Bhattacharjee</td>
<td>M. Sc., Ph. D.</td>
</tr>
<tr>
<td>Dr. Beena Vernekar</td>
<td>M. Sc., Ph. D.</td>
</tr>
<tr>
<td>Dr. Rajashri Mordekar</td>
<td>M. Sc., Ph. D.</td>
</tr>
<tr>
<td>Mr. Jeffrey Viegas</td>
<td>M. Sc.</td>
</tr>
<tr>
<td>Ms Sneha Parab</td>
<td>M. Sc.</td>
</tr>
</tbody>
</table>
Ms Sujata Kerkar  M. Sc.

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:

<table>
<thead>
<tr>
<th>Research Project</th>
<th>Funding Agency</th>
<th>Grant received</th>
<th>Year of sanction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor research project</td>
<td>UGC, WRO Pune</td>
<td>Rs 2,00,000/-</td>
<td></td>
</tr>
</tbody>
</table>

Dr. Shridhar Gurav duly completed it in 2011-12, and then was transferred to Government College, Quepem.

18. Research Centre /facility recognized by the University:

No

19. Publications:

a) Publication per faculty:
   Dr Rajashri Mordekar - Three


3) Vrinda Borker, **Rajashri Karmali** and Koyar Rane, “Comparison of degradation of methylene blue dye by ZnO, n doped ZnO and iron ore rejects”, European Chemical Bulletin, 2014, section B, 3(6), 520-529, ISSN 2063-5346.
* Number of papers published in peer reviewed journals (national/international) by faculty and students: 
**Three**

* 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: 
Nil 

*Chapter in Books: 
Nil 

*Books Edited: 
Nil 

* Books with ISBN/ISSN numbers with details of publishers: 
Nil 

* Citation Index: 
* SNIP: 
Nil 

* SJR: 
0.16 

* Impact factor: 
2.234, 2.14, 0.891 

* h – Index: 
5, 10 

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

100%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

TY BSc students use analytical instruments facilities of Goa University at USIC, NCAOR, NIO etc.

23. Awards / Recognitions received by faculty and students

Dr. Rajashri Mordekar


Dr. Beena Vernekar

1. Awarded fellowship by UGC Networking Resource Centre Hyderabad to work under project “Influence of external stimuli on the structural diversity of mfenamates interacting with nitrogen donor ligands” at school of Chemistry Hyderabad University Hyderabad from 14th September 2013 to 14th may 2014 and successfully completed on 14th may 2014.

2. Awarded fellowship of Indian Academy of Sciences and completed summer research project on “Graphene Oxide and its interaction with Super Fullerenes” under the guidance of Prof. S. Sarkar, Indian Institute of Science and Engineering, Shibpur, West Bengal from 19th May 2014 to 19th July 2014.

Students
9. Ms. Utkarsha Mardolkar was awarded third prize for poster presentation titled ‘Photocatalytic Degradation of AZO dyes photo-Fenton Reagent in aqueous medium’ at the 6th Annual Inter-collegiate Symposium for T.Y.B.Sc. (Chemistry) students “Fascinating World of Chemical Sciences” organized by Department of Chemistry on March 17, 2012 at Goa University, guided and authored by Dr. Jivexa Bhattacharjee.

10. TYBSc student Ms. Stacy Rocha won the second place for oral presentation 2013 on “Nanomaterials derived from Ferrites” at the 7th Annual inter-collegiate symposium organised by Department of Chemistry held on 9th March, guided and authored by Dr. Beena Vernekar.

11. Ms. Pratika Raikar was awarded second place for Best Poster Presentation on the topic “Hazardous Holi Colours” at 8th Annual Inter-collegiate T Y B Sc. Chemistry Symposium on organised by Department of Chemistry on March 15, 2014, guided and authored by Dr. Rajashri Mordekar.

12. T.Y.B.Sc. students Ms. Krutika Naik and Ms. Pooja Bandari secured first place in the Intercollegiate BSc Chemistry quiz conducted by ACT on 27th January 2016 at Carmel college, Nuvem.

13. F.Y.B.Sc student, Mr. Schubert Fernandes won first place for Oral presentation at one day intercollegiate chemistry event KYNESIS organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.

14. F.Y.B. Sc. student Mr. Dixit Phadte and Mr. Charant Naik won first place for poster making (“Chemistry - yesterday, today, tomorrow”) at one day intercollegiate chemistry event KYNESIS organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.

15. F.Y.B.Sc. student Ms. Stacy Remedios and Mr. Schubert Fernandes won first place for Action Reaction at one day
intercollegiate chemistry event KYNESIS organised for BSc students on 20th February 2016 by Parvatibai Chowgule college of Arts and Science.

16. B. Sc. students Sanam Vaingankar and Madhuri Naik won first place in the poster competition organised on the theme “Green chemistry” for B Sc students at the Annual convention of Chemistry Teachers was held on 24th February 2016 at Gov. college of Arts Science and commerce, Sanquelim, Goa.

24. List of eminent academicians and scientists / visitors to the department.

Dr. Kamlesh Fondekar, Head of technology and Engineering, Syngenta India.

Ms Deepa Somanathan, Scientist, Syngenta India.

Dr. Parang Sawant, Goa Medical College, Bambolim.

Mr. Nitin Raikar, Deputy Director, Directorate of Fire and Emergency Services.

Dr. R. N. Shirsat, Associe Prof. in Physical chemistry, Goa University.

Dr. B. R. Srinivasan, Professor in Inorganic chemistry, Goa University.

Dr. S. Naqui, Director, National Institute of Oceanography.

Dr. Bhaskar G. Naik, Director, Directorate of Higher Education.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National
b) International
c) State Level

1. Science day celebrations were held in college on 27th February 2016 for school and higher secondary students where in 10 students and one teacher from six institutes participated in the event. Talks were delivered by Dr. Sushanta Sapte on “Impact of Science on society and F Y BSc student Schubert Fernandes on Nanotechnology. The F.Y.B.Sc. and S.Y.B.Sc. students conducted demonstrative experiments in laboratory. The interactive session of poster presented by host chemistry students were appreciated by the guest student community.

2. A state level Workshop on safety in Laboratories was organized on 30th April 2016. The workshop in collaboration with Syngenta India was organized with an aim of educating teachers, laboratory staff and students on safety procedures to be followed while working in laboratories. The speakers were Dr. Kamlesh Fondeadkar, Head of technology and Engineering Syngenta India, Ms Deepa Somanathan, Scientist, Syngenta India, Dr. Parang Sawant, Goa Medical College, Bambolim, Mr. Nitin Raikar, Deputy Director, Directorate of Fire and Emergency Services.

26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Name of the course</th>
<th>Applications received</th>
<th>Seats sanctioned</th>
<th>Seats filled</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M</td>
<td>F</td>
</tr>
<tr>
<td>2011-12</td>
<td>T.Y.B.Sc.</td>
<td>13</td>
<td>20</td>
<td>13</td>
<td>-----</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.Sc.</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>7</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>F.Y.B.Sc.</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td>2012−13</td>
<td>T.Y.B.Sc.</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>03</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.Sc</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>F.Y.B.Sc</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>6</td>
<td>25</td>
</tr>
<tr>
<td>Name of the Course</td>
<td>2013–14</td>
<td>2014–15</td>
<td>2015–16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T.Y.B.Sc</td>
<td>16</td>
<td>16</td>
<td>07</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S.Y.B.Sc</td>
<td>26</td>
<td>35</td>
<td>31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F.Y.B.Sc</td>
<td>36</td>
<td>33</td>
<td>59</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of students from other states</td>
<td>20</td>
<td>35</td>
<td>59</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of students from the same state</td>
<td>16</td>
<td>35</td>
<td>59</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of students from abroad</td>
<td>05</td>
<td>26</td>
<td>43</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>2012-13</th>
<th>2013-14</th>
<th>2014-15</th>
<th>2015-16</th>
<th>2016-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>% of students from the same state</td>
<td>96.8</td>
<td>100</td>
<td>100%</td>
<td>94.8</td>
<td>98.2</td>
</tr>
<tr>
<td>% of students from other States</td>
<td>3.2</td>
<td>Nil</td>
<td>Nil</td>
<td>3.5</td>
<td>Nil</td>
</tr>
<tr>
<td>% of students from abroad</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>1.7</td>
<td>1.7</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Student Progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td></td>
</tr>
<tr>
<td>2011-12</td>
<td>61.5%</td>
</tr>
<tr>
<td>2012-13</td>
<td>72%</td>
</tr>
<tr>
<td>2013-14</td>
<td>68.7%</td>
</tr>
<tr>
<td>2014-15</td>
<td>37.5%</td>
</tr>
<tr>
<td>2015-16</td>
<td>43%</td>
</tr>
<tr>
<td>PG to M.Phil</td>
<td></td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td></td>
</tr>
<tr>
<td>Ph,D. to Post- Doctoral</td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td>Employed</td>
</tr>
<tr>
<td>2011 -12</td>
<td>08%</td>
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<tr>
<td>2012-13</td>
<td>-----</td>
</tr>
<tr>
<td>2013-14</td>
<td>-----</td>
</tr>
<tr>
<td>2014-15</td>
<td>12.5%</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>2011 – 12</td>
<td>-----</td>
</tr>
<tr>
<td>2012-13</td>
<td>12%</td>
</tr>
<tr>
<td>2013-14</td>
<td>19%</td>
</tr>
<tr>
<td>2014-15</td>
<td>12.5%</td>
</tr>
<tr>
<td>2015-16</td>
<td>14%</td>
</tr>
</tbody>
</table>

Entrepreneurship/Self-employment

30. Details of Infrastructural facilities

a) Library:
1062 books in Chemistry (Organic/Inorganic/Physical/Analytical)
No of journals subscribed in chemistry: 3,
No of Multidisciplinary journals: 4

b) Internet facilities for Staff & Students:
Wired and wireless Internet

c) Class rooms with ICT facility LCD, OHPs:
Yes
d) Laboratories :

**02 Laboratories, 01 proposed Research Laboratory**

NOC granted for revamping of present laboratories and preparation of new laboratory for PG course in Chemistry.

31. Number of students receiving financial assistance from college, university, government or other agencies

<table>
<thead>
<tr>
<th>Academic year</th>
<th>No of students obtaining Scholarship</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-15</td>
<td>13</td>
</tr>
<tr>
<td>2015-16</td>
<td>08</td>
</tr>
<tr>
<td>2016-17</td>
<td>05</td>
</tr>
</tbody>
</table>

32. Details on student enrichment programs (special lectures / workshops / seminar) with external experts

1) Special coaching classes were conducted for T.Y.B.Sc. students in March 2011 for M.Sc. entrance test of Goa University and Pune University.

2) Department of chemistry organized visit of B.Sc. students with Dr. Jivexa Bhattacharjee to 4th Bharatiya Vigyan Sammelan and Expo 2015 at Kala Academy, Panaji-Goa on 7th February 2015 wherein students could interact with various agricultural scientists, DRDO and BARC scientists and observe applications of scientific knowledge in various innovative projects. T.Y.B.Sc. and S.Y.B.Sc.


4) A talk of Dr. Kamlesh Fondkar, Head of technology and Engineering Syngenta India, was organised by Chemistry Department and Science club on 12th February 2016, Friday. The topic of Lecture was “Challenges and Opportunities in Agro Industry”

5) On 29th February, 2016, visit of the students of F Y B Sc was conducted to Science Fiesta organized by Science centre for the Sir C. V. Raman memorial Lecture, various demonstrations and planetarium show. The
visit was extended to National Science laboratory NIO, Dona Paula and Goa University.

6) Club “Spektrum” has been initiated by chemistry Department wherein competitions are arranged and students participate in the quiz, poster, oral presentation and others like cooking, flower arrangement, extempore, demonstration reaction organized under the club.

33. Teaching methods adopted to improve student learning

Collaboratoryorative learning
Ty BSc students work on research based projects as a part of curriculum wherein a part of the analysis of their samples is done in National Laboratorys like NIO- Dona Paula, NCAOR- Vasco, Goa University- Taleigao Plateau. They get an opportunity to understand the working of the instruments and data collection

Interactive learning
Students of TYBSC participate in the quiz conducted by Association of chemistry teachers Goa, poster and oral presentation (on project) competition by Goa University and bring laurels to the department. The students of F Y and S Y B Sc also participated in various competitions like quiz, poster competition, cooking, flower arrangement, two minutes speech organized under club spectrum, Chemistry department of the college and also represented the college for event Kynesis organized by Chowgule College and won first place, Poster competition organized by ACT Goa and won first place.

Independent learning
ISA is conducted in the form of daily assessment and is cumulated at the end to grade for ISA. Independent assignments are given to students on different topics as second ISA.
All these modes are carried out using LCD, PPT presentations.
The chemistry department instituted the chemistry club for students. Under the club various activities like quiz, Nutrichem, florichem, action reaction, poster competition, Ex-Tempore are conducted to motive scientific temper, creativity in them. Learning through internet, Videos,
Demonstrative expts for understanding concepts in classroom teaching. E-learning in groups through watsapp and facebook. Trips are made to research centres like NIO, NCAOR, Goa University and Educational institutes like Science centre

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Dr. Beena Vernekar is nominated as subject expert in inorganic chemistry for interview to be conducted for assistant professor in PES college in june 2013.

- Dr. Beena Vernekar is nominated as subject expert in the interview panel for Chowgule College Margao, in 2013.

- Dr. Beena Vernekar is nominated as subject expert in interview panel in Ganpat parsekar college of Educatrion, Arambol –Goa in February 2016.

The faculty of chemistry De4pt are appointed as internal and external examinationiners for the T Y BSc theory and practical examinations.

- Gandhi Jayanti Cleanliness drive-Cleaning the campus by students.

- Science day celebrations were held in college on 27th February 2016 for school and higher secondary students where in 10 students and one teacher from 6 institutes participated in the event. The FY BSc and SY BSc students conducted demonstrative experiments in laboratory. The interactive session of poster presented by host chemistry students were appreciated by the guest student community.

- The Department of chemistry organized a state level Workshop on safety in Laboratories on 30th April 2016. The workshop in collaboratoryoration with Syngenta India was organized with an aim of educating teachers, laboratory staff and students on safety procedures to be followed while working in laboratories. The speakers Dr. Kamlesh Fondekar, Head of technology and Engineering Syngenta India made a general awareness on safety in
the working environment. Dr. Parang Sawant, Goa Medical College, Bambolim, briefed the people about first aid in laboratory as well as emergencies taking place in day to day life Mr. Nitin Raikar, Deputy Director, Directorate of Fire and Emergency Services with his team conducted the mock drill and gave a demonstration on use of different fire extinguishers in case of emergency.

35. SWOC analysis of the department and Future plans

a) Strengths
- 100% results at the university examinations.
- Well Trained, research oriented, experienced and energetic faculty.
- Well equipped Laboratories.
- Very good interface with Industries, Research and Educational Institutes.
- Student enrichment through club "Spektrum" which has led to winning of accolades to the department published in local dailies.
- Appreciable bonding between the students and the teachers.
- Well equipped library with books as per syllabus and required for competitive examinations.
- Strong Alunmi -Teacher bonding

c) Weakness
- Non-recruitment of teaching and non teaching staff.
- Paucity of funds.
- Delay in procurement of sophisticated instruments for research.
- No research laboratory due to scarcity of space.

b) Opportunities
- Strong Industry Institution Interface facilitates good exchange of academics and technological aspects between the two.
- To tap the potential of students by organizing various competitions, Seminars, workshops for the holistic development of students and teachers all over the state.
- To inculcate scientific temper and affinity for natural sciences among the school and higher secondary school students by conducting various events to channelize the young talent.
To organize awareness programs for the betterment of the community.

To work hard to startup research centre affiliated to Goa University so that students can pursue their Ph. D.

d) Challenges

- To produce graduates on par with/ better than the city colleges.
- To attract the students for pure sciences.
- Absence of full-time teaching and non-teaching staff.
- To mould the first generation learners from rural areas to highly competent professionals.
- Reach the weakest student and to motivate him/her to reach above the average level and excel in examinations and in life.

Future Plans

- To expand the department and introduce Post-graduation in chemistry where the fees will be less than the self-financed courses conducted in aided colleges.
- To enhance the soft skills and employability of students by conducting job-oriented add-on, short-term certificate/diploma courses.
- To undertake major and minor research projects from various funding agencies.
- To increase the number of publications in better impact factor journals.
- To invite eminent scientists and academicians to the department for motivating the students.
- To organize national, international workshops and seminars.
- To strengthen the collaborative oratory work and MOUs with industries and research institutions.
- To train the staff and students on environmental issues.
- To organize summer training programs for our students in Research Institutes and Industries.
- To organize intra and inter-collegiate events for students under the club "Spektrum".
- To participate in institutional social responsibility and extension activities for the benefit of the community.

Placements

<table>
<thead>
<tr>
<th>Batch:</th>
<th>MSc</th>
<th>Job(Campus/On)</th>
<th>Self</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Programme/other courses</td>
<td>own)</td>
<td>employed</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------------</td>
<td>-------------</td>
<td>-----------</td>
</tr>
<tr>
<td>2011 - 2012</td>
<td></td>
<td>1 (campus)</td>
<td></td>
</tr>
<tr>
<td>2012 – 2013</td>
<td>18 MSc, 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>2013 – 2014</td>
<td>11</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>2014 – 2015</td>
<td>06</td>
<td>2 (campus)</td>
<td></td>
</tr>
</tbody>
</table>
3. **Evaluative Report of the Departments**

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department: **Department of Economics**
2. Year of Establishment: **1989**
3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):
   Under Graduate Courses:
   1) B.A. in Economics
   2) B.Com
   1. Names of Interdisciplinary courses and the departments/units involved
      B.Com. Programme
      B.Com. Semester I to VI
      Students are learning
      - Managerial Economics in B. Com. Semesters I and II
      - Indian financial and fiscal system in B. Com. Semester III
      - Economics of Resources in B. Com. Semester IV
      - International Economics in B. Com. Semester V
      - Issues of the Indian Economy in B. Com. Semester VI
   2. Annual/ semester/choice based credit system (programme wise):
      B. A. Programme
      B.A. Semester
      B. Com. Programme
      B.Com. Semester
   3. Participation of the department in the courses offered by other departments.
      Managerial Economics: Department of Commerce
      Indian financial and fiscal system: Department of Commerce
      Economics of Resources: Department of Commerce
      International Economics: Department of Commerce
      Issues of the Indian Economy: Department of Commerce
4. Courses in collaboration with other universities, industries,
foreign institutions, etc.

N. A.

5. Details of courses/programs discontinued (if any) with reasons: NIL
   No courses / programs have been discontinued by the department. NIL
   Number of teaching posts
   Sanctioned Filled

Professors 02

Associate Professors 02
Asst. Professors 01 (lecture basis)01 (lecture basis)

6. Faculty profile with name, qualification, designation, specialization,
   (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

**Name: Dr Christina De Souza**
Qualification: M.A. Ph.D. B Ed.
Designation: Associate Professor of Economics
Specialization: Laboratory our Economics
No. of years of experience: 26 years

**Name: Dr Seema Rath**
M.A. Ph.D. B Ed.
Designation: Associate Professor of Economics
Specialization: App. & Analytical Economics
No. of years of experience: 27 years
No. of Ph.D students Registered for last five years: One student

11. List of senior visiting faculty:

   1. Dr. K. G. Hiremath, Associate Professor of Botany, Dhempe College, Miramar
   2. Mr. Minguel Braganza, President, Botanical Society of Goa
3. Mr Nilesh Amonkar, Corporate Manager
4. Mr Karan Manaral, Social Entrepreneur/Environmentalist
5. Ms Rodha Antao, Assistant Professor in Nutrition, Goa College of Home Science, Campal
6. Shri. Ashok Joshi, Branch Manager, Canara Bank, Marcela Branch, Marcela – Goa
7. Mrs. Pradnya P. Desai, Branch Manager, State Bank of India, Marcela Branch, Marcela
8. Mr Pravon Sabnis, Corporate Trainer
9. Ms. Sonya Sirsat, CII Young Indians, Goa Chapter
10. Mr Jesus Reiheiro, Corporate Trainer, Panaji
11. Dr C. J. Arun, Director of Goa Institute of Management, Sanquelim.
12. Dr Radhika Nayak, Principal Dempo College, Panaji
13. Mr. Sanjay Bhandari, Manager, Nestle India Limited, Usgao.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty
   B.A: 22 percent
   B. Com: 48 percent

13. Student - Teacher Ratio (programme wise)
   B. A: 90: 2 45:1
   B. Com: 334:2 167:1

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.

   Teaching faculty with Ph.D. Qualifications:
   
   Dr Christina De Souza
   Associate Professor of Economics
   Dr Seema Rath
   Associate Professor of Economics

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received
<table>
<thead>
<tr>
<th>Research Project</th>
<th>Title</th>
<th>Funding agency</th>
<th>Amount sanctioned</th>
<th>Year of Sanctioning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor (Completed)</td>
<td>Unorganized Sector: Social Protection of Vegetable Vendors in Goa</td>
<td>ICSSR Western Regional Centre-Mumbai</td>
<td>₹60000/-</td>
<td>2014-2015</td>
</tr>
</tbody>
</table>

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

<table>
<thead>
<tr>
<th>Research Project</th>
<th>Title</th>
<th>Funding agency</th>
<th>Amount sanctioned</th>
<th>Year of Sanctioning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor (Completed)</td>
<td>Unorganized Sector: Social Protection of Vegetable Vendors in Goa</td>
<td>ICSSR Western Regional Centre-Mumbai</td>
<td>₹60000/-</td>
<td>2014-2015</td>
</tr>
<tr>
<td>Monograph Writing (Completed)</td>
<td>Self Help Groups in Goa: Towards the Social and Economic Empowerment of Women in Goa</td>
<td>ICSSR Western Regional Centre, Mumbai</td>
<td>₹25,000</td>
<td>2011-2012</td>
</tr>
</tbody>
</table>

18. Research Centre/facility recognized by the University: NIL

19. Publications:

*** a) Publication per faculty

Books Edited: Books with ISBN/ISSN numbers with details of publishers
Include papers in journals with ISSN numbers

**Dr Christina De Souza, Associate Professor of Economics**

*Research Papers Published in Journals*

1. **De SouzaChristina** and Pai Mahesh (2010), Climate Change: Measures of Mitigation and Implications of Commitments to Climate Change Policy for India, *University News (Special Issue)*, June, Vol. 48 No. 24, Pgs. 131-134, ISSN 0566-2257.


4. **De Souza Christina** and Dr. Silvia Maria de Mendonca e Noronha (2011), Influence of Laboratoryour Welfare Activities and Job Satisfaction: A Study of Pharmaceutical Companies in Goa, *The


Research Paper Published in Edited Books


Monograph Writing


Dr Seema Rath, Associate Professor of Economics

Research Publications in Journals


**Research Publications in Books**


Received Hugh Kelly Fellowship from Rhodes University, South Africa for the period from January 2016 to May 2016.
Number of Papers published in peer reviewed journals (National/International) by faculty and students

24

Chapter in Books

11

Areas of consultancy and income generated: NIL

20. 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: 100 percent
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
Dr Christina De Souza: Best Paper Award at National Conference organized by Goa College of Home Science, Campal on 14th and 15th, February 2015 for paper titled 'Women in the Unorganized Sector: Investigating the Social Protection of vegetable Vendors in Goa'
Tanviraj T. Parwar, College Topper Prize, awarded by the Scientific Research association for Economics and Finance organized by Parvatibai College, Department of Economics Margao-Goa in December 2015.
Ms.Velanka Gomes was awarded the second place in the event Voice of Economics at an intercollegiate event Economica 2015-2016 organized by Shree Damodar College-Margao, on 11th September 2015.

24. List of eminent academicians and scientists / visitors to the department:
• Dr. K. G. Hiremath, Associate Professor of Botany, Dhempe College, Miramar
• Mr. Minguel Braganza, President, Botanical Society of Goa
• Mr NileshAmonkar, Corporate Manager
• Mr Karan Manaral, Social Entrepreneur/Environmentalist
• Ms RodhaAntaoAssiatant Professor in Nutrition, Goa College of
Home Science, Campal

- Shri. Ashok Joshi, Branch Manager, Canara Bank, Marcela-Goa
- Mrs. Pradnya P. Desai, Branch Manager, State bank of India, Marcela-Goa
- Mr. Sudesh Kacharekar, Manager, RBI, Panaji Branch.
- Mr. Pravin Sabnis, Corporate Trainer, Panaji.
- Mr. Jesus Reibeiro, Corporate Trainer, Panaji.
- Dr. C. J. Arun, Director of Goa Institute of Management, Sanquelim.
- Dr. Radhika Nayak, Principal Dempo College, Panaji
- Mr. Sanjay Bhandari, Manager, Nestle India Limited, Usgao.

25. Seminars/ Conferences/Workshops organized & the source of funding

<table>
<thead>
<tr>
<th>Programs</th>
<th>Title</th>
<th>Date</th>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Day State level Workshop</td>
<td>Work Vision: Developing Employability Skills</td>
<td>6th August 2010</td>
<td>CII – Young Indians, Goa Chapter</td>
</tr>
<tr>
<td>State level Workshop</td>
<td>Philatelic</td>
<td>22nd January 2011</td>
<td>Nil</td>
</tr>
<tr>
<td>Orientation Programme</td>
<td>Practical Banking</td>
<td>22nd April to 30th April 2013</td>
<td>Self-Financing</td>
</tr>
<tr>
<td>State level Workshop</td>
<td>Organic Farming</td>
<td>10th December 2013</td>
<td>Rotary Club of Panaji Riviera</td>
</tr>
<tr>
<td>Follow up State level Workshop</td>
<td>Organic Farming</td>
<td>25th February 2014</td>
<td>Department of Science Technology and Environment, Government of Goa</td>
</tr>
<tr>
<td>State level Workshop</td>
<td>Oyster Mushroom Cultivation</td>
<td>23rd September 2014</td>
<td>Rotary Club of Panaji Riviera</td>
</tr>
<tr>
<td>State level</td>
<td>Campus to 16th and 17th</td>
<td>ICSSR,</td>
<td></td>
</tr>
</tbody>
</table>
26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Programme</th>
<th>Name of the Course</th>
<th>Application received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 2010-2015</td>
<td></td>
<td></td>
<td>Male</td>
<td>Female</td>
<td></td>
</tr>
<tr>
<td>B. Com.</td>
<td>Semester I and II Managerial Economics</td>
<td>1240</td>
<td>493</td>
<td>688</td>
<td>1181</td>
</tr>
<tr>
<td>B. Com.</td>
<td>Semester III Indian financial and fiscal system</td>
<td>572</td>
<td>193</td>
<td>358</td>
<td>551</td>
</tr>
<tr>
<td>B. Com.</td>
<td>Semester IV Economics of Resources</td>
<td>546</td>
<td>198</td>
<td>337</td>
<td>535</td>
</tr>
<tr>
<td>B. Com.</td>
<td>Semester V International Economics</td>
<td>614</td>
<td>304</td>
<td>310</td>
<td>614</td>
</tr>
<tr>
<td>B. Com.</td>
<td>Semester VI Issues of the Indian Economy</td>
<td>614</td>
<td>304</td>
<td>310</td>
<td>614</td>
</tr>
</tbody>
</table>

Diversity of Students

% of % of students % of
<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>students from the same state</th>
<th>from other States</th>
<th>students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. A.Economics</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>UG to PG</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>20%</td>
</tr>
<tr>
<td>2011-2012</td>
<td>10%</td>
</tr>
<tr>
<td>2012-2013</td>
<td>15%</td>
</tr>
<tr>
<td>2013-2014</td>
<td>20%</td>
</tr>
<tr>
<td>2014-2015</td>
<td>20%</td>
</tr>
</tbody>
</table>

PG to M.Phil.: NIL
PG to Ph.D.: NIL
Ph.D. to Post-Doctoral: NIL

**Employed**

Campus Selection: NIL
Other than campus recruitment:

<table>
<thead>
<tr>
<th>Year</th>
<th>Employed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>40%</td>
</tr>
</tbody>
</table>
2011-2012  30%
2012-2013  35%
2013-2014  40%
2014-2015  45%

Students are employed in BPOs, Government Departments, sea farers, teaching profession.
Entrepreneurship/Self-employment: 10%

30. Details of Infrastructural facilities
   a. Library: The department has 1332 books, Journals and Multidisciplinary Journals
   b. Internet facilities for Staff & Students: Available
   c. Class rooms with ICT facility: Available
   d. Laboratories: N. A.

31. Number of students receiving financial assistance from college, university, government or other agencies:
   SC: 05 students
   ST: 06 students
   OBC: 02 students

Students of economics from economically and socially backward classes receive financial assistance through Government scholarships from time to time.

32. Details on student enrichment programs (special lectures / workshops / seminar) with external experts

Student enrichment programs are regularly held for the students on contemporary economic issues. These include:

- Mr. Ashok Joshi, Branch Manager, Canara Bank-Marcela, Guest Speaker for *Orientation Programme on Practical Banking* on 25th April 2013.
- Mrs. Pradnya P. Desai, Branch Manager, State Bank of India, Marcela Branch, Marcela – Goa, during the *Orientation Programme*
on Practical Banking from 22nd to 27th April 2013.

- Dr. Narvekar, Ex-Librarian of Goa University, One Day State level *Philatelic Workshop* on 22nd January 2011.
- Workshop on Organic Farming on 10th December 2013, funded by Canara bank, Marcela and Rotary Club of Panaji Riviera.
- Mr Sudesh Kacharekar, Manager, RBI, Panaji Branch, Resource person, *RBI Financial Inclusion Programme* on 19th February, 2014.
- Workshop on Organic Farming on 25th February 2014, funded by Department of Science Technology and Environment, Goa.
- Workshop on Oyster Mushroom Cultivation 23rd September 2014, funded by Rotary Club of Panaji Riviera.
- Workshop on Campus to Corporate 16th and 17th January 2015 funded by ICSSR, Mumbai and Rotary Club of Panaji Riviera.

33. Teaching methods adopted to improve student learning

Besides the Lecture method other approaches are also adopted to make learning interesting for the students such as:

1. Field Trips to farms and industries
2. Faculty members use LCD and assist students in their reference work
3. Wall paper on contemporary economic issues are encouraged analyse the knowledge of the students
4. Quiz competitions and regular tests to assess the learning ability of the students
5. Orientation Programme on Practical Banking
6. Workshops are conducted on organic farming, oyster mushroom cultivation, work culture, campus to corporate.
7. Guest lectures on mantra of success, nutrition.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Dr Christina De Souza has provide extension services to the Botanical Society of Goa in organizing mega events like the Annual Konkan Fruit Fest, and Plant Utsav, the Rotary Club of Panaji Riviera to organize
community service events.

Dr Seema Rath has delivered Guest Lectures at Rhodes University, South Africa during her sabbatical leave

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Topic</th>
<th>Class</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td>Development Indicators and Non-communicable Diseases pertaining to South Africa vis-a-vis BRICS and G7 Countries.</td>
<td>3yr. Pharm</td>
<td>07.04.2016</td>
</tr>
</tbody>
</table>

35. SWOC analysis of the department and Future plans

**Strengths:**

Qualified and experienced staff

Enthusiastic students

Eagerness to learn among the students

**Weakness:**

Lack of exposure among the students to the outside world.
Opportunities:
To start B. A. programme in Economics with six units
To start a Post-Graduate Department of Economics

Challenges:
To make the students aware of National and World affairs
To expose students to the economic environment

Future Plans
To start B. A. programme of six units in Economics
To have a Post graduate course in Economics.
To get the Department of Economics recognized as a Research Centre
To have skill based courses on Entrepreneurship Development, Soft Skills, Employability Skills.
To start short term courses on Research Methodology in Economics, Preparation for Bank Examinations, Organic Farming.
3. Evaluative Report of the Department
   1. Name of the Department: Geography
   2. Year of establishment: 1989
   3. Names of programs offered (UG, PG, M. Phil., Ph. D., Integrated
      Masters; Integrated Ph. D., D. Sc., D. Litt., etc.):

<table>
<thead>
<tr>
<th>Name of the Programme offered</th>
<th>Faculty and Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG</td>
<td>B. A.</td>
</tr>
<tr>
<td></td>
<td>B. Sc.</td>
</tr>
<tr>
<td></td>
<td>B. Com</td>
</tr>
</tbody>
</table>

4. Names of Interdisciplinary programs and departments/Units involved:

<table>
<thead>
<tr>
<th>Interdisciplinary Subjects at UG Level</th>
<th>UG Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population Geography, and.</td>
<td>B. A.</td>
</tr>
<tr>
<td></td>
<td>B. Sc.</td>
</tr>
<tr>
<td>Tourism Geography</td>
<td>B. A.</td>
</tr>
<tr>
<td></td>
<td>B. Sc.</td>
</tr>
<tr>
<td>Environmental Studies/Science</td>
<td>B. A.</td>
</tr>
<tr>
<td></td>
<td>B. Sc.</td>
</tr>
<tr>
<td></td>
<td>B. Com.</td>
</tr>
</tbody>
</table>

5. Examination System: Annual/Semester/Choice Based Credit System (programme wise):

<table>
<thead>
<tr>
<th>UG Programs</th>
<th>Examination System</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. A.</td>
<td>Semester</td>
</tr>
<tr>
<td>B. Sc.</td>
<td>Semester</td>
</tr>
<tr>
<td>B. Com.</td>
<td>Semester</td>
</tr>
</tbody>
</table>

6. Participation of the department in the courses offered by other departments:
   Not Applicable.

8. Details of the courses/programs discontinued (if any) with reason:
   Not Applicable / Nil.

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>Posts</th>
<th>Required</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
</table>

10. Faculty profile with name, qualification, designation, area of specialization (D. Sc. / D. Litt / Ph. D. / M. Phil.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of years of Experience</th>
<th>No of Ph. D. students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P. K. Rath</td>
<td>C. P. S., M. Phil, Ph. D.</td>
<td>Assoc. Prof.</td>
<td>Regional Development and Planning Tourism Geog. Pop. Studies</td>
<td>27 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Pravina Kerkar</td>
<td>Ph. D.</td>
<td>Assoc Prof</td>
<td>Geomorphology Cognitive Mapping</td>
<td>22 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Ms. Sapna Pandharmise</td>
<td>M. A. B. Ed.</td>
<td>Assistant Professor</td>
<td>General Geography</td>
<td>02 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Ms. Supriya Gaonkar</td>
<td>M. A. B. Ed.</td>
<td>Assistant Professor</td>
<td>Geomorphology</td>
<td>03 years</td>
<td>Nil</td>
</tr>
</tbody>
</table>

11. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

12. Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty:

The complete workload is being handled by 2 Full Time Associate Professors and two Assistant Professors on contact basis. The following table gives the details of the workload handled by the Assistant Professors on Contract basis.

<table>
<thead>
<tr>
<th>CLASSES</th>
<th>Theory</th>
<th>Practicals</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. A.</td>
<td>34%</td>
<td>34%</td>
</tr>
<tr>
<td>B. Com.</td>
<td>100%</td>
<td>Nil</td>
</tr>
<tr>
<td>B. Sc.</td>
<td>100%</td>
<td>Nil</td>
</tr>
</tbody>
</table>
13. Programme-wise Student Teacher Ratio

<table>
<thead>
<tr>
<th>Classes</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. A.</td>
<td>35:1</td>
</tr>
<tr>
<td>B. Com.</td>
<td>45:1</td>
</tr>
<tr>
<td>B. Sc.</td>
<td>70:1</td>
</tr>
</tbody>
</table>

14. Number of academic support staff (technical) and administrative staff:

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

15. Qualification of the teaching faculty D. Sc./D. Litt./ Ph. D./M. Phil./PG:

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P. K. Rath</td>
<td>M.A, CPS, M. Phil, Ph. D.</td>
</tr>
<tr>
<td>Dr Pravina Kerkar</td>
<td>M.A, B. Ed, Ph. D., SET</td>
</tr>
<tr>
<td>Ms. Sapna Pandharmise</td>
<td>M. A, B. Ed.</td>
</tr>
<tr>
<td>Ms. Supriya G. Gaonkar</td>
<td>M. A, B. Ed.</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received: **Nil**

17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**

18. Research Centre/ Facility recognized by the University: **No**

19. Publication:

a. Number of papers published in peer reviewed journals (national / international) by faculty and Students:

**Dr. P. K. Rath: Journals: 10 and Proceedings: 07.**


Presentations of Research Papers:


Dr. Kerkar Pravina, paper titled, “Perception of selected Locale Environment for Goa: A GIS Approach”, National Seminar on “Geospatial Technologies for Resources Evaluation and Environment -
Dr. Prabir Kumar Rath


2. Participated and presented a paper titled, “Rural Development Initiatives in Goa Towards Bridging Rural-Urban Gaps” during the 5th International Conference of NAGI on Future Earth Perspectives in South Asia (IC FEPSA) held at the department of Geography, Bharathidasan Univ., Tiruchirapalli, Tamil Nadu during 5-7, February, 2016. I also chaired a Technical Session on the theme of Environmental Issues at the said Seminar on 06-02-16.


Resources, Environment and Development” held at the Department of Geography, Univ. of Jammu, Jammu, J and K, during 2nd-4th December 2015 organized by the Department of Geog., Univ. of Jammu and NAGI.

5. Participated and presented a research paper titled, “Good Governance Measures in Tourism Development in Goa and Baghelkhand” at the UGC, CRO Bhopal (M. P.) sponsored National Seminar on Possibilities of Tourism Development in Baghelkhand Plateau organized by and held at the Department of Geography, S. G. S. Government. Autonomous P. G. College, Sidhi (M. P.) during 8th & 9th October 2015. Also chaired a Technical Session on the focal theme of the said Seminar.


b) Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil
c) Monographs: Nil
d) Chapters in Books: Nil
e) Edited Books:
   Rath, P. K.: 01
f) Books with ISBN with details of publishers: Nil
g) Citation Index – range / average: Nil
h) SNIP: Nil
i) SJR: Nil
j) Impact Factor – range / average: Nil
k) h-index: Nil

20. Areas of consultancy and income generated: Nil
21. Faculty as members in
a) National Committees: Dr P. K. Rath:
Life member of the following 14 National Professional Bodies.
1. National Association of Geographers, India (NAGI), Delhi.
2. Regional Science Association India (RSAI), Kolkata.
3. Institute of Indian Geographers, (IIG), Pune.
4. Geographers’ Association Goa, (GAG), Marcel, Goa.
5. Indian Science Congress Association (ISCA), Kolkata.
6. Punjab Geographers Association (PGA), Patiala.
7. Association of Population Geographers of India (APGI), Chandigarh.
9. Environmental Scientists of India (ESI), Chandigarh.
10. Deccan Geographers Society (DGS), Pune.
11. Indian Association for the Study of Population (IASP), New Delhi.
15. Indian National Cartographic Association (INCA), Hyderabad.

Executive Member of
1. National Association of Geographers, India (NAGI), Delhi.
2. Geographers’ Association Goa, (GAG), Marcel, Goa.

Dr Pravina Kerkar:
Life member of the following National Professional Bodies.
1. Bombay Geographers Society / Association (BGA), Mumbai.
2. Deccan Geographers Society (DGS), Pune.
3. Geographers’ Association Goa, (GAG), Marcel, Goa.

b) International committees
Dr. P. K. Rath: 01
Executive body member of International Geographical Union IGU
Commission on Regional Planning, U. K.

c) Editorial Boards
Dr. P. K. Rath: 03
1. The Goa Geographers, working editor of ISSN journal for 12 issues till date.
2. Maharashtra Bhoogol Parishad, member Editorial Board ISSN Journal.
d) Any other: Nil
22. Student projects:
a. Percentage of students who have done in-house projects including interdepartmental/Programme: 100%. All the students of semester V & VI are offered project paper of 100 marks and evaluated by internal and external examination.
b. Percentage of students placed for projects in organizations outside the institutions i.e. Research Laboratories / Industry / Other agencies: Nil.
23. Awards / recognitions received at the national and international level by faculty and Students: Nil.
24. List the eminent academicians and scientists/visitors to the department:
1. A contingent of Delegates comprising Staff and Students from Sri Lankan University under the leadership of Dr. Sunethra visited the Department and interacted with the Staff and Students of the Department during 2013-14, 2014-15 and 2015-16.
2. A Delegation from the PG Department of Geography, Mizoram Central University under the leadership of Dr. Benjamin visited the Department and interacted with the Staff and Students of the Department during February 2016.
4. Dr Nandakumar N. Sawant, Principal, Smt. Parvatibai Chowgule College, Margao, Goa visited the College and delivered orientation lecture on the TYBA Geography Project in July 2016.
25. Seminars/ Conferences/Workshops organized and the source of funding (national / international): Nil
26. Student profile programme-wise:

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>Year</th>
<th>Programme</th>
<th>Applications Received</th>
<th>Applications Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2010-</td>
<td>FYBA</td>
<td>15</td>
<td>15</td>
<td>02</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SYBA</td>
<td>07</td>
<td>07</td>
<td>Nil</td>
<td>100</td>
</tr>
</tbody>
</table>
### Graduate Bachelor of Arts in Geography

<table>
<thead>
<tr>
<th>Year</th>
<th>FYBA</th>
<th>SYBA</th>
<th>TYBA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>22</td>
<td>13</td>
<td>03</td>
</tr>
<tr>
<td>2012-2013</td>
<td>17</td>
<td>22</td>
<td>06</td>
</tr>
<tr>
<td>2013-2014</td>
<td>43</td>
<td>13</td>
<td>12</td>
</tr>
<tr>
<td>2014-2015</td>
<td>44</td>
<td>37</td>
<td>07</td>
</tr>
<tr>
<td>2015-2016</td>
<td>53</td>
<td>29</td>
<td>17</td>
</tr>
</tbody>
</table>

#### Yearly Enrolment from UG to PG

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage Enrolment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010 – 2011</td>
<td>Nil</td>
</tr>
<tr>
<td>2011 - 2012</td>
<td>33%</td>
</tr>
<tr>
<td>2012 – 2013</td>
<td>16%</td>
</tr>
<tr>
<td>2013 - 2014</td>
<td>33%</td>
</tr>
<tr>
<td>2014 - 2015</td>
<td>28%</td>
</tr>
<tr>
<td>2015 - 2016</td>
<td>33%</td>
</tr>
</tbody>
</table>

#### Diversity of Students:

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>Year</th>
<th>% of students from same state</th>
<th>% of students from other states</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under graduate</td>
<td>2010 - 2011</td>
<td>100</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>Bachelor of Arts</td>
<td>2011 - 2012</td>
<td>100</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td></td>
<td>2012 - 2013</td>
<td>100</td>
<td>NIL</td>
<td>NIL</td>
</tr>
</tbody>
</table>
29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?: Nil.
However, some students have cleared National Level Banking Examinations, State level Examinations and Entry level entrance examinations for PG admissions.

30. Present details of departmental infrastructural facilities with regard to:

a) Library:

<table>
<thead>
<tr>
<th>Details</th>
<th>Approximate Nos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text Books</td>
<td>316</td>
</tr>
<tr>
<td>Reference Books</td>
<td>310</td>
</tr>
<tr>
<td>Magazines</td>
<td>03</td>
</tr>
</tbody>
</table>

b) Internet facilities for staff and students:
Wired internet facility for students and staff in Geography laboratory.

c) Class rooms with ICT facility:
One LCD Projector and one computer with internet facilities has been provided in the Laboratory. LCD projectors have also been provided in some class rooms in the GSIDC wing for Arts and Commerce students. Both the Regular Teachers extensively adopt and use the IT enabled method of teaching through the use of available infrastructure. Even the Assistant Professors on Contract Basis have been using the available infrastructure.

Soft copy of the syllabus is given to all the students well in advance, i.e. during the first few lectures soon after reopening of the Semesters. After the completion of each Unit, soft copy of the gist notes is given to all the students; they are advised and encouraged to make the best use of the Laptops provided by Government of Goa and Internet facility provided in the Geography Laboratory.

Question Bank for the ISA and SEE is given well in advance to comprehend the expected line and direction of questions and desired approach to writing the answers.

d) Students’ laboratories:
Geography Laboratory (01) in the Third Floor of the Science wing.
Laboratory Area: 32 Sq. Mts.
e) Research laboratories: Nil
f) Staff room:
A composite Staff room having an area of 12 sq. mt. is existing where we share the space with the staff of Psychology near the laboratory adjacent to Psychology Laboratory.

31. Number of students receiving financial assistance from college, university, government or other agencies: EBC (Economically Backward Class), Post Matric Scholarship for SC and ST students, Fee exemption and Merit scholarship from Government of India, Government of Goa and Charitable Organizations like Syngenta Ltd., MFOG (Mineral Foundation of Goa. (The approximate no. of students from the Department receiving such assistance ranges from 2 to 5 per academic year over last 10 years. Two students namely Ms. Lyiana Fernandes and Yagant Borkar were granted Physical Disability assistance due to problems of Eyes and Hands).
The following table reflects the beneficiaries for 2016-17.

<table>
<thead>
<tr>
<th>Class</th>
<th>No of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYBA</td>
<td>11</td>
</tr>
<tr>
<td>SYBA</td>
<td>5</td>
</tr>
<tr>
<td>TYB A</td>
<td>6</td>
</tr>
</tbody>
</table>

31. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
Several Field Trips and Exposure visits are organized to various places of natural, socio-cultural, touristic, industrial interests from time to time to provide field orientations and exposure within the State, e.g. Selaulim, Anjuna, Amthane dams, Chorla Ghat, Anmod Ghat, Devil’s Canyon, Savari Falls, Verna Industrial Area, Mormugao Port, Sada Beach, Uddo Spring, Kesarval spring etc. Study tours are also organized by the College and the Department to far off places like Sikkim, Darjeeling, Jammu, Manali, Jaisalmer, Bikaner, Coorg, Mangalore etc. at least once a year to provide them an opportunity to experience variation in all geographical phenomenon. Special Lectures are also conducted by visiting Geographers and other academicians and professionals.
32. List the teaching methods adopted by the faculty for different programs:
The department through its teaching staff puts all efforts to provide ample opportunity to make the students effectively learn the ethics of learning.
It is a combination of the following:
Conventional Lecture method using Chalk and Board,
Making Presentations using LCD Projectors by the staff and the students.
Teachers also motivate the students to make presentations through Posters and Wall papers.
At times, Group Discussions are held to weed out the fear from the minds of the students.
Conducting Household Surveys form a part of completing the TYBA Geography projects.
Field trip Reports and Study tour Reports are prepared under the guidance of the accompanying teachers and shared in the library.
Assignment topics are never imposed but selected or chosen by the students.
At times, students are encouraged to offer draft question papers covering the whole or appropriate syllabus.

33. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
STRENGTHS:
- Highly Qualified, Reputed and motivated, experienced, permanent faculty members with Ph. D. qualification, specialized in different branches of Geography with a readiness to do anything and everything for the intellectual growth of the students.
- Excellent results at examinations conducted by the university and the College.
- Organization of at least one major Study tour, several field visits, exposure visits and field trips for students.
- Faculty members have been publishing research papers, presenting papers at national, international and state level Seminars, conferences as delegates and resource persons.
- Dr. P. K. Rath has been evaluating Ph. D. Thesis of around 9 Universities in India, namely Pune, RTM Nagpur, SRTMU-
Nanded, Rajasthan, Amravati, Shivaji Univ-Kolhapur, BAMU-Aurangabad, TMV-Pune, NMU-Jalgaon. So far evaluated more than 30 Ph. D. thesis of these Universities.

- The Faculty members are invited by various Universities and Colleges at National level to deliver Key note address, talks at various Seminars, Conferences.

**Weaknesses:**

- Not having a Professor to start an effective Government. funded PG Department and a Research Centre. Not having full quota of regular teaching staff.
- Inadequate departmental sub staff like Laboratory Assistant, Laboratory Attendant.
- Inadequate space and facility for research work e.g. Internet access, RS GIS soft wares, Scanner and Printer.
- No Specialization in the subject even at UG level due to fluctuation in the number of students at TYBA level (it has ranged from 3 to 23 over last 25 years). Moreover, majority students of the hinterland do not wish to pursue PG courses. Non seriousness of large section of the students for co-curricular programs.
- Inadequate Project or Publication due to the load of dedicated teaching.

**Opportunities:**

- Introduction of government. funded add on courses on job guaranteed courses.
- Effective implementation of practical approach in teaching learning.
- To organize National and State level conferences/seminars/workshops.
- To orient teachers and students to write, publish and present research papers.
- To prepare student centric publications reflecting rural activities and challenges.

**Challenges:**

- Motivating students to compete at national level.
- Keeping the students attached to serious academic work.
- Motivate students to pursue higher education at reputed centres of learning and undertake research oriented career.
• Keeping the students focussed on learning and giving global or national level exposure.
• Many students are first generation learner belonging to poorer section of the society with rural background and having a large no. of distractions.

34. Future plans of the department.
• Continue to provide effective, ethical UG level Geography teaching learning.
• Strive to undertake at least some minor research projects and attempt to prepare major research project proposal.
• Train students to answer competitive examinations at national and state level.
• To organize some government funded skill-oriented programs and courses such as tourist guide, field survey etc.

Kindly Note:
Evidences to the above mentioned / stated details are available with the Regular Teachers in the form of Soft and or hard Copies of Photographs, Certificates, videos, Letters, bio-data, Reports etc.
c. c. Personal Reference of the Regular Geog. Staff.
Geog. Department. file.
3. Evaluative Report of the Departments

4. Name of the department: **Department of Physics**

5. Year of Establishment: 1990

6. Names of Programs / Courses offered: **UG, B.Sc.**

7. Names of Interdisciplinary courses and the departments/units involved: Nil

8. Annual/ semester/choice based credit system (programme wise): B.Sc.-Semester

9. Participation of the department in the courses offered by other departments: Programme- **Bachelor of Optometry**, Goa Medical College, Bambolim, Goa. Course-1. **Physical optics**
   2. **Geometrical optics**

10. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

11. Details of courses/programs discontinued (if any) with reasons: Nil

12. Number of Teaching posts

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>2(Lecture basis)</td>
<td></td>
</tr>
</tbody>
</table>

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. M.Sc. etc.,)
<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>No. of Ph.D. Students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Jaison Joseph</td>
<td>M.Sc. Ph.D</td>
<td>Associate Professor</td>
<td>Material Science</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>Mr. P.V. Chodankar</td>
<td>M.Sc.</td>
<td>Associate Professor</td>
<td>Electronics</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>Miss. Savita Shantaram Rane</td>
<td>M.Sc.</td>
<td>Assistant Professor</td>
<td>General</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Miss. Samiksha Malik</td>
<td>M.Sc.</td>
<td>Assistant professor</td>
<td>General</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

20. List of senior visiting faculty: Nil

21. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 47%

22. Student -Teacher Ratio (programme wise): B.Sc. - 37:1

23. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
   Sanctioned. Laboratory. Assistant -1   Laboratory. Attendant-1
   Filled. Laboratory. Assistant -   Laboratory. Attendant-1

24. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil /
### PG.

<table>
<thead>
<tr>
<th>Sr.No</th>
<th>Name</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. Jaison Joseph</td>
<td>M.Sc, Ph.D</td>
</tr>
<tr>
<td>2</td>
<td>Mr. P.V. Chodankar</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>3</td>
<td>Miss. Savita Shantaram Rane</td>
<td>M.Sc.</td>
</tr>
<tr>
<td>4</td>
<td>Miss. Samiksha Malik</td>
<td>M.Sc.</td>
</tr>
</tbody>
</table>

25. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

<table>
<thead>
<tr>
<th>Project Title. (National)</th>
<th>Funding Agency</th>
<th>Grants Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface and bulk studies of nano-particle spinel ferrite thin films</td>
<td>UGC-DAE-CSR</td>
<td>Rs.2,29,800</td>
</tr>
</tbody>
</table>

26. Departmental projects funded by DST- FIST; UGC, DBT, ICSSR, etc. and total grants received:

<table>
<thead>
<tr>
<th>Project Title.</th>
<th>Funding Agency</th>
<th>Grants Received</th>
<th>Month and Year of receipt of grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface and bulk studies of nano-particle spinel ferrite thin films</td>
<td>UGC-DAE-CSR</td>
<td>Rs.2,29,800</td>
<td>September 2015</td>
</tr>
</tbody>
</table>

27. Research Centre /facility recognized by the University : Nil

28. Publications:

* a) Publication per faculty: 8
b) Number of papers published in peer reviewed journals (national / international) by faculty and students: 8

Papers Published in International Journals (listed in International Data Base).


Papers published at National Level.


Papers communicated.

1. Resistivity-Thermo power Co-relation Derived Temperature Dependent Transport Behaviour of MnₓZn₁₋ₓFe₂O₄ Nanoparticles.
Papers presented at International conferences:


J. V. Yakhmi (International conference COCHIN-NANO held on 11-14 August 2011 at Cochin University)


Papers presented at National conferences:


* 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.): 5

* Monographs. Nil

* Chapter in Books: 1

Authored a chapter in the book Mathematical Aspects of Physical concepts and Physical Aspects of Mathematical Concepts
by Tilak Wasan, Discovery Publishing House PVT LTD, New Delhi.

* Books Edited. Nil

* Books with ISBN/ISSN numbers with details of publishers: 1

Publisher: Discovery publishing house Pvt. LTD 4831/24, Ansari Road, Darya Ganj, New Delhi-110002.

* Citation Index

* SNIP

* SJR

* Impact factor
  Physicalsicsica B: Impact Factor: 1.24
  Int. J. Thin Fil. Sci. Tec.: Google-based Impact Factor: 0.938
  Advanced Science Letters.: Research Gate Current impact factor: 1.25
  * h-index

25. Areas of consultancy and income generated:
   Free consultancy services provided to M/s ADEC EMBEDDED TECHNOLOGY AND SOLUTIONS PVT LTD. Corlim, Goa.

26. Faculty as members in

   a) National committees b) International Committees c) Editorial Boards .... Dr. Jaison Joseph
   1. Research paper reviewer for International journal “Materials Science and Engineering B” (Elsevier)
   2. Treassurer - Indian association of physics teachers (IAPT) Goa Regional Council.
   3. Life Member- Indian Science Congress Association.

27. Student projects
   a) Percentage of students who have done in-house projects
including inter departmental/programme:
100% students enrolled for in-house projects at S.Y.B.Sc. level

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies:
Nil

28. Awards / Recognitions received by faculty and students:

One faculty member Dr. Jaison Joseph was awarded Indian Academy of Sciences Teacher Fellowship in 2010

29. List of eminent academicians and scientists/visitors to the department: Nil

26. Seminars/Conferences/Workshops organized & the source of funding
a) National: Nil
b) International: Nil

27. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme (refer question no. 4)</th>
<th>Application received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.Y.B.Sc.</td>
<td>150</td>
<td>110</td>
<td>36</td>
<td>74</td>
</tr>
</tbody>
</table>

*M = Male  *F = Female

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the</th>
<th>% of students from other States</th>
<th>% of students from</th>
</tr>
</thead>
</table>
29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Data not available.

29. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against enrolled</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

**Employed**

- Campus selection
- Other than campus recruitment NA

Entrepreneurship/Self-employment NA

31. Details of Infrastructural facilities

a) Library:
   No separate departmental library, utilizes the library facility of the college. **No. of Physics books in library - 297**

b) Internet facilities for Staff & Students.
   Internet facility available on **6 Computers wired to 1 Printer &**
1 Scanner.

c) Class rooms with ICT facility
d) ICT facility available in the laboratory.

e) Laboratories: One laboratory. Of 200 sq. mt. Laboratory space

1) Infrastructure:-

Well equipped spacious Laboratory
Dark room for Optics experiments.
6 Computers, 1 Printer & 1 Scanner.
3KVA Inverter for power back up
LCD Projector and screen for presentations

2) Instruments:-

• AC Susceptibility Measurement System (research level Instrument)
• Function Generators
• Digital CRO
• Spectrometers.
• Michelson's Interferometer
• Polarimeters
• Photometers
• He-Neon laser experimental setup
• expEYES:- Basic learning kit
• Fire Bird V :- Robotic Research Platform

3. Software:-

• Origin. Graphics software.
• D.O.S.E. Data logger Of Science Experiments

32. Number of students receiving financial assistance from college, university, government or other agencies (SC------ST------ OBC------ -- )

33. Details on student enrichment programs (special lectures / workshops / seminar) with external experts

Invited Talk on Topic NANO MAGNETISM by PRANAV NAIK Research scholar Department. of Physics Goa University on 21-3-2016 at 10. AM in Seminar hall Government. College Khandola.
34. Teaching methods adopted to improve student learning
   Devised computer aided teaching and learning techniques.

35. Participation in Institutional Social Responsibility (ISR) and Extension activities.
   1. Conducting theory classes and Practical sessions for First year Bachelor of Optometry of Allied Sciences of Goa Medical College Bambolim.
   2. Setup of practical Laboratory for Physical & Geometrical optics for First year Bachelor of Optometry.
   5. Infrastructural facility for Robotic experiments.
   6. Developed the software for managing the students Attendance.
   7. Installed Broad band net connectivity in Science block
   8. Wi-fi facility extended in library hall for UGC Resource Centre.

36. SWOC analysis of the department and Future plans

**Strength**
Excellent faculty
Good infrastructure
Appropriate funding

**Weakness**
Students from weak socio-economic background with inadequate base knowledge

**Opportunities**
Introduction of new interdisciplinary graduation courses and up gradation to M.Sc. and research levels

**Challenges**
Time delay in administrative procedures
Temporary filling of administrative and teaching positions
Substitutions in long leave vacancies
Sudden transfer of teaching and non-teaching staff especially during the middle of academic calendar

**Future plans**
Purchase, installation and Development of research level scientific Instruments using RUSA funds
Introduction of a post graduate diploma course in Non Destructive testing of Materials
3. Evaluative Report of the Departments

13. Name of the department: - Hindi

14. Year of Establishment: - 1989

15. Names of Programs / Courses offered: - UG: BA- Hindi (3 units).

16. Names of Interdisciplinary courses and the departments/units involved: - Nil

17. Annual/ semester/choice based credit system (programme wise) : - BA semester

18. Participation of the department in the courses offered by other departments: - Nil

19. Courses in collaboration with other universities, industries, foreign institutions, etc. : - Hindi-Kala Utsav in collaboration with Mashel Kalapremi Sangh, state level seminar with Goa Konkani Acadamy.

20. Details of courses/programs discontinued (if any) with reasons : - Nil

21. Number of Teaching posts

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Associate Professors</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>2 Lecture Basis</td>
<td>2</td>
</tr>
</tbody>
</table>
NAAC for Quality and Excellence in Higher Education

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Manual for Self-study Report

Affiliated/Constituent College

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years Of Experience</th>
<th>No. of Ph.D. Students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asha Gahloth</td>
<td>M.A.registered for Ph.d.</td>
<td>HOD/Associate prof.</td>
<td>21st centuries Hindi poetry.</td>
<td>25 years</td>
<td>Nil</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty :-

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the faculty</th>
<th>Name of the institution</th>
<th>year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Shubhada Joshi</td>
<td>Government. college Sanquelim-Goa.</td>
<td>2009</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Ramita Gurav</td>
<td>St. Xaviers college, Mapusa.</td>
<td>2010</td>
</tr>
<tr>
<td>3</td>
<td>Smt. Uma Priolkar</td>
<td>P.E.S. College Farmagudi</td>
<td>2012</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Ashok Tilve</td>
<td>Rashtrabhasha Pracharak, Marcel.</td>
<td>2011</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Satyadev Tripathi</td>
<td>Prof. Department. of Hindi. SNDTUniversity,Mumbai.</td>
<td>2013</td>
</tr>
<tr>
<td>6</td>
<td>Ms. Magdalene D’souza</td>
<td>St. Xaviers college, Mapusa-Goa.</td>
<td>2014</td>
</tr>
</tbody>
</table>
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: - 30%

13. Student - Teacher Ratio (programme wise): -

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>F.Y.B.A. (opt)</td>
<td>31:1</td>
<td>26:1</td>
<td>40:1</td>
<td>30:1</td>
<td></td>
</tr>
<tr>
<td>F.Y.B.A. (maj)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S.Y.B.A.</td>
<td>15:1</td>
<td></td>
<td>24:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T.Y.B.A.</td>
<td>13:1</td>
<td></td>
<td>13:1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: - 1

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: - Prof. Asha Gahloth

<table>
<thead>
<tr>
<th>Sr. no</th>
<th>Tittle of the paper</th>
<th>Published</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sant Meera ka jeevan Aur parivesh</td>
<td>Khoj-vol</td>
<td>2011</td>
</tr>
<tr>
<td>2</td>
<td>Dattatriya ke dukh se gujarte hue</td>
<td>Goapuri</td>
<td>June 2013</td>
</tr>
<tr>
<td>3</td>
<td>21vya Shekdyatli hindi</td>
<td>Goapuri</td>
<td>Sept. 2013</td>
</tr>
<tr>
<td>#</td>
<td>Title</td>
<td>Journal</td>
<td>Date</td>
</tr>
<tr>
<td>----</td>
<td>----------------------------------------------------------------------------------------------------------</td>
<td>----------</td>
<td>------------</td>
</tr>
<tr>
<td>4</td>
<td>Pyar ki Dharohar par pukht bani Kahaniya</td>
<td>Goapuri</td>
<td>March 2014</td>
</tr>
<tr>
<td>5</td>
<td>Patra aur paristhitiyon ke sath gahara lagav</td>
<td>‘Arya Sandesh’ published from Bhopal, Madhya Pradesh ISSN 2277-4084</td>
<td>2014</td>
</tr>
<tr>
<td>6</td>
<td>Mridula Sinha Ki Laghu Kathaye -Ek Drishti</td>
<td>Goapuri</td>
<td>Jan-March 2015</td>
</tr>
<tr>
<td>7</td>
<td>Mahadevi Varma kamnetar parivar</td>
<td>Goapuri</td>
<td>April-June 2015</td>
</tr>
</tbody>
</table>

- Number of papers published in peer reviewed journals (national/international) by faculty and students: 94

2) Book chapters: -

- ‘Samakaleen hindi kavita’ in the edited Book ‘Samkaleen Bhartiya Sahitya’ Published by Konkani Department, Carmel College, Nuvem 2014.
- Translated stories were published in the book ‘Katha Darpan’ published by Institute Menezes Braganza Panaji.

3) Co-edited Book: -

- Kavya kaiash Published by Lokbharti prakashan Ilahabad in 2010.
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Affiliated/Constituent Colleges

* 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

30. Areas of consultancy and income generated:-compeering, proof reading etc. no income generated.

31. Faculty as members in
   a) National committees b) International Committee c) Editorial Boards….

   • Appointed by Government of Goa as a Member of Board Of Directors of Institute Menezes Braganza, Panaji goa for the period of 3 years (2013-2015) extended the period up to year 2018.
   • Member Of Board Of studies- Goa university(2009-2012).
- Member Of editorial Board of Goapuri- a literary quarterly Magazine, published by IMB Panaji.
- Life member of ‘Prayas’ a literary association.
- Co-editor of Hindi Special issue of Goapuri – April-June-2016

32. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :- 100% organized seminar with Konkani Akadamy.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:-Nil

33. Awards / Recognition received by faculty and students :-

**Faculty Achievements**
services were recognised by Government. of Goa and appointed as a member of directors of Institute Menezes Baraganza, a institute associated with art, language and literature.

**Students Achievements**

- Ms. Vishranti Halgekar a ex-student of Hindi Department. was a Gold medalist at University in Department. of Hindi in the year 2014.
- Ms. Asha Naik student of Hindi Department. awarded as student of the year of Government. college Khandola in the year 2012-2013.

Students won prizes for all Goa essay writing, story writing, elocution and poetry writing competitions.

- Sujata Ghadi won 2nd place in all Goa essay writing competition organised by Government. college Quepem in 2010
- Jyoti Sawal won 2nd place in all Goa Hindi story writing competition organised by CES college of Arts & Commerce,
Cuncolim-Goa 2010-2011

- Jyoti Sawal won 1st place in all Goa Hindi story writing competition organised by CES college of Arts & Commerce, Cuncolim-Goa 2011-2012.

34. List of eminent academicians and scientists / visitors to the department :-

1) Dr. Shubhada Joshi, HOD Government college Saquelim-2009
3) Ms. Magdelene D’souza St. Xaviers college, Mapusa-Goa.
4) Dr. Ramita Gurav St. Xaviers college, Mapusa-Goa.
6) Dr. Ishrat Khan Reader, Department. of Hindi. Goa University 2012.
8) Ms. Magdelene D’souza, St. Xaviers college, Mapusa-Goa. 2012
9) Dr. Ramita Gurav, St. Xaviers college, Mapusa-Goa. 2012
10) Dr. Rupa Chyari, HOD Shri Mallikarjun college, Cancona- 2012.
11) Mrs. Uma priolkar, lecturer, P.E.S. college-Ponda. 2012
12) Dr. Brijpal Singh Gahloth, lecturer GOVERNMENT. college Quepem- 2012.
13) Mrs. Bharti Parab, lecturer GOVERNMENT. college, Quepem-2012.
15) Ms. Lata Shirodkar, ChowguleCollege, Margao-2012.
16) Dr. Kiran Popkar, DempeCollege, Miramar2012.
17) Dr. Satyadev Tripathi, Prof. Department. of Hindi, SNDTUniversity Mumbai-2012.
18) Mr. Rakesh Bihari- vidhyanchal Madhya Pradesh.28th Jan 2015.

NAAC for Quality and Excellence in Higher Education
Manual for Self-study Report

Affiliated/Constituent Colleges

28. Seminars/Conferences/Workshops organized & the source of funding

a) National

b) International

29. Student profile programme/course wise: FY and SY data to be included

<table>
<thead>
<tr>
<th>Name of the Course/programs</th>
<th>Application received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
</tr>
<tr>
<td>T.Y. B.A. 2010-2011</td>
<td>16</td>
<td>16</td>
<td>5</td>
<td>11</td>
</tr>
<tr>
<td>T.Y. B.A. 2011-2012</td>
<td>23</td>
<td>23</td>
<td>2</td>
<td>21</td>
</tr>
<tr>
<td>T.Y. B.A. 2013-2014</td>
<td>22</td>
<td>22</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>T.Y. B.A. 2014-2015</td>
<td>26</td>
<td>26</td>
<td>3</td>
<td>23</td>
</tr>
</tbody>
</table>

*M = Male *F = Female

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.Y. B.A.</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Year</td>
<td>Pass %</td>
<td>State</td>
<td>National</td>
</tr>
<tr>
<td>------------</td>
<td>--------</td>
<td>-------</td>
<td>----------</td>
</tr>
<tr>
<td>S.Y. B.A.</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>T.Y. B.A.</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

30. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.
NAAC for Quality and Excellence in Higher Education
Manual for Self-study Report

Affiliated/Constituent Colleges

30. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>50%</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>Data not available</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>-</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>-</td>
</tr>
<tr>
<td><strong>Employed</strong></td>
<td><strong>80%</strong></td>
</tr>
<tr>
<td>- Campus selection</td>
<td>Asst. Teacher, Librarian, Government, jobs.</td>
</tr>
<tr>
<td>- Other than campus</td>
<td>R.T.O., Museums,</td>
</tr>
<tr>
<td>recruitment</td>
<td>Journalist, etc.</td>
</tr>
<tr>
<td>Entrepreneurship/self-</td>
<td>5%</td>
</tr>
<tr>
<td>employed</td>
<td></td>
</tr>
</tbody>
</table>

37. Details of Infrastructural facilities

a) Library- No. of Book:- **840**

b) Internet facilities for Staff & Students:- **Available**

c) Class rooms with ICT facility:- **Available**

d) Laboratories:- **Nil**

38. Number of students receiving financial assistance from college, university, government or other agencies:-

39. Details on student enrichment programs (special lectures / workshops / seminar) with external experts:-
1) Special lectures by Dr. Shubhada Joshi, Dr. Ramita Gurav, Smt. Magdelene D’Souza, Dr. Satyadev Tripathi.

2) Organized one day State level workshop on ‘Reetikal’in the year 2012. Hindi Scholars from all over Goa and Goa university were the resource persons for the workshop. Students of T.Y. B.A. participated in the workshop.

3) Students were actively participated in seminars, workshops and competitions organised by other institutions.

4) Noted participation of students in ‘Hindi Srijanotsav’ 2014 and 2015 organised by IMB Panaji. where in students competed with all Goa students in elocution, essay writing, Drama, poetry writing, poetry reciting, story writing competitions and excelled by winning Runners up trophysical.

5) The Hindi Department in association with the Abhyas mandal and Goa Konkani Academy, Panaji organised a State Level Hindi-Konkani seminar on the topic ‘Jayanti Naik and Jayashree Roy ka Katha Sahitya ek abhyas’ on 4th Sept. 2013 where in along with the Goan Hindi and Konkani scholars, Shree Rakesh Bihari a famous Hindi critic from Bhopal communicated with the students.

6) Students of T.Y.B.A. attended a workshop on poetry, essay and story writing skills on 7th July 2013 at Institute Menezes Braganza Panaji.

7) on poetry writing skills on 23rd Jan 2014. The Resource person for the workshop was the eminent personality of Hindi poetry Shree Arun Kamal, Patna.


10) A guest lecture was organised on 25th March 2014 for
the students of Hindi by Associate Professor Magdalene D’souza, HOD, St. Xavier’s college Mapusa on the topic ‘Kabira Khada Bazar mein’.

40. Teaching methods adopted to improve student learning:-
   - Teaching is student centric.
   - Teachers conduct mid term course review for feedback to understand the learning status of students.
   - Practice tests were conducted which facilitated good results.

41. Participation in Institutional Social Responsibility (ISR) and Extension activities:-
   - was a co-ordinator of N.S.S. (2014), Chairperson of students Council (2012).
   - As a Member of Board of Directors of Institute Menezes Branganza Panaji.
   - Initiated ‘All Goa Hindi – Srijanotsav,’ a one day Hindi literary activity where in around 450 students from all over Goa actively participated(sept. 2014 & sept.2015)
   - Member of organizing committee of lecture series on social,political, enviormental issues by goan scholars for the year 2013 & 2014.
   - Organized all Goa ‘Womens Meet’( Mahila Melawa) on different social issues like- 1) challenges faced by teenagers Mother (year 2013) 2) why Divorce (year 2014) 3) Bitiya hai vishesh (year 2015) where in nearly 500 womens attended the Meet for all 3 years.
   - Initiated ‘Mimansa’ a critical appraisal programme of newly published Hindi/Marathi/Konkani Books.

42. SWOC analysis of the department and Future plans:-
   **Strength:**
   - Good results at University level.
- Organising caliber of the students.
- Hindi writing and speaking skills.
- Students can compete with city students.
- Ranks at PG level.
- Very good cooperation from Alumina

**Weaknesses:**
- No language laboratory.

**Challenges:**
- Use of latest technology in Hindi subject.
- To excel in the field of journalism.

**Future plans:**
- Six units Hindi.
- To inspire students to appear for NET/SET examinations.
Evaluative Report of the Department  
Department of Political Science  

1. Name of the department : **Department of Political Science**  
2. Year of Establishment: **1989**  
3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :  
   Undergraduate Programme in B.A.  
4. Names of Interdisciplinary courses and the departments/units involved  
   **Nil**  
5. Annual/ semester/choice based credit system (programme wise)  
   **Semester**  
6. Courses in collaboration with other universities, industries, foreign institutions, etc…  
   **Nil**  
7. Details of courses/programs discontinued (if any) with reasons  
   **N.A.**  
8. Number of Teaching posts  

**Number of Teaching Posts**  

<table>
<thead>
<tr>
<th>Posts</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>01</td>
<td>Lecture Basis</td>
</tr>
</tbody>
</table>

10. Faculty profile with name, qualification, designation,
specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)
<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years in Service</th>
<th>No. of Ph.D students guided</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Seema P. Salgaonkar</td>
<td>Ph.D.</td>
<td>Associate Professor</td>
<td>Gender studies, Grassroots Governance</td>
<td>24 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Mr Swapnil Naik (lecture basis)</td>
<td>M.A.</td>
<td>Assistant Professor</td>
<td>Political Science</td>
<td>05 years</td>
<td>Nil</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty:
Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:
30% of the lectures are handled by temporary staff. The Department has 27 lectures per week and 08 of these lectures are handled by lecture basis staff.

<table>
<thead>
<tr>
<th>Class</th>
<th>Percentage of lectures delivered by lecture basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.Y.B.A</td>
<td>60%</td>
</tr>
<tr>
<td>S.Y.  B.A.</td>
<td>20%</td>
</tr>
<tr>
<td>T.Y.B.A.</td>
<td>33%</td>
</tr>
</tbody>
</table>

13. Student -Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Programme</th>
<th>Student-Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ratio</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
</tr>
<tr>
<td>F.Y. B.A.</td>
<td>31:1</td>
</tr>
<tr>
<td>S.Y.B.A.</td>
<td>20:1</td>
</tr>
<tr>
<td>T.Y.B.A.</td>
<td>10:1</td>
</tr>
</tbody>
</table>

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.:  
   i) **Dr Seema P. Salgaonkar** - Ph.D.  
   ii) **Mr. Swapnil Naik** - M.A.

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

<table>
<thead>
<tr>
<th>Name of the project</th>
<th>Duration (years) From-To</th>
<th>Title of the project</th>
<th>Name of funding agency</th>
<th>Total Grant received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor project</td>
<td>2005-2007</td>
<td>Empowerment of Women through WSHGs-A Case Study of Goa</td>
<td>UGC</td>
<td>50,000/-</td>
</tr>
<tr>
<td>Major project</td>
<td>2011-2013</td>
<td>Gram Sabhas in Goa: Analysis and Perspective</td>
<td>ICSSR</td>
<td>4,37000/-</td>
</tr>
</tbody>
</table>

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
Number of paper published in peer reviewed journals: 15


Seema P. Salgaonkar April; 2013, “Increasing Participation and Changing Paradigm of Democracy at


b) Number of publications listed in International Database : 01

Research article titled ‘Gram Sabhas Gaining Momentum in Goa - Instances of political Empowerment’ is published in Dynamics of Public Administration (July-December, 2011) which is Indexed/Abstracted in Index Copernicus, J-Gate, EBSCO Discovery, Summon (Proquest), Google Scholar, Indian Science Abstracts and Indian Citation Index

a) Monographs:

Nil

b) Chapter in Books:


c) Books Edited:
Nil
d) Books with ISBN/ISSN numbers with details of publishers: 01
SNIP
Nil
SJR Impact factor
Nil

20. Areas of consultancy and income generated:
Nil

21. Faculty as members in
a. National committees b) International Committees c) Editorial Boards…. 
Dr. Seema P. Salgaonkar is Editorial board member of International Journal of Social Sciences & Economic Environment, ARSEAM, U.P. since 06-May-2016.

22. Student projects:

All students for Semester V/VI have to compulsorily opt for one project paper of 100 marks which is evaluated by external and internal examinationiner.

Projects undertaken by the students

<table>
<thead>
<tr>
<th>Year wise</th>
<th>No of students</th>
<th>No of projects</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-11</td>
<td>02</td>
<td>01</td>
<td>Hindu Muslim Communities in Goa: A study of Communal Harmony</td>
</tr>
<tr>
<td>2011-12</td>
<td>03</td>
<td>01</td>
<td>Understanding the role of Opposition Leader in Goa: A Case Study of Shri Manohar Parrikar</td>
</tr>
<tr>
<td>2012-13</td>
<td>10</td>
<td>02</td>
<td>1) Implementation of Ladli Lakshmi Scheme in Goa  2) Empowerment of Women at Grassroots</td>
</tr>
<tr>
<td>2013-14</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2014-15</td>
<td>03</td>
<td>01</td>
<td>Exposition of St. Francis Xavier and the Role of Stakeholders</td>
</tr>
<tr>
<td>2015-16</td>
<td>05</td>
<td>01</td>
<td>Controversy of Two Airports in Goa</td>
</tr>
</tbody>
</table>

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:

iv. Miss Anjali Naik, student of Political Science, was awarded 2nd Prize at District Level Essay Competition organized to commemorate 3rd
National Voters Day organized by the Office of Chief Electoral Officer, Panaji Goa on 25th January 2013.

v. Our two students, Miss Vishranti Halgekar and Mr. Pravin Sawant, secured second place in Intercollegiate Quiz competition on the Topic ‘Goa Post Liberation Era” organized by Department of Political Science, CES College, Cuncolim, Goa on 24/01/2012.

vi. The Department trained the students of the college to participate in the street play competition organized by Office of Chief Electoral Officer in association with Government College Quepem to commemorate National Voters Day in January 2014, and our students secured third place for the same.

24. List of eminent academicians and scientists / visitors to the department:

The department organized talks for the students and prominent academicians from within the state were invited for the same.

Talks of eminent resource persons

<table>
<thead>
<tr>
<th>Name of the Resource Person</th>
<th>Topic of discussion</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Pramod Salgaonkar (Ex. Chaiperson) Women’s Commission - Goa</td>
<td>Understanding and resolving the issues of sexual harassment</td>
<td>9/02/2011</td>
</tr>
<tr>
<td>Mr. Ravaji Gaonkar, Assistant Professor of Political Science, Government College, Sanquelim.</td>
<td>Significance of Right to Information</td>
<td>22/08/2013</td>
</tr>
<tr>
<td>Mr Ravaji Gaonkar (official on Field) Sarva Sikhsha Abhiyan</td>
<td>Sarva Sikhsha Abhiyan - An Insight</td>
<td>14/02/2015</td>
</tr>
</tbody>
</table>
25. Seminars/Conferences/Workshops organized & the source of funding
   a. National: Nil
   b. International: Nil

   State Level Seminar was organized by the Department on 8-9th July 2016 funded by UGC on topic ‘Women Headed Panchayats and Empowerment at Grassroots: An update’.

26. Student profile programme/course wise:

   **Student profile programme/course wise**

<table>
<thead>
<tr>
<th>Name of the course/program</th>
<th>Applications received</th>
<th>selected M</th>
<th>selected F</th>
<th>Enrolled M</th>
<th>Enrolled F</th>
<th>Passing percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F.Y.B.A.</td>
<td>39</td>
<td>39</td>
<td>10</td>
<td>29</td>
<td>01</td>
<td>87.17%</td>
</tr>
<tr>
<td>S.Y.B.A.</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>01</td>
<td>09</td>
<td>95%</td>
</tr>
<tr>
<td>T.Y.B.A.</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td>100%</td>
</tr>
<tr>
<td>2012-13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F.Y.B.A.</td>
<td>48</td>
<td>48</td>
<td>16</td>
<td>32</td>
<td>07</td>
<td>93.75%</td>
</tr>
<tr>
<td>S.Y.B.A.</td>
<td>34</td>
<td>34</td>
<td>32</td>
<td>07</td>
<td>07</td>
<td>87.17%</td>
</tr>
<tr>
<td>T.Y.B.A.</td>
<td>08</td>
<td>08</td>
<td>27</td>
<td></td>
<td>08</td>
<td>100%</td>
</tr>
<tr>
<td>2013-14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F.Y.B.A.</td>
<td>28</td>
<td>28</td>
<td>09</td>
<td>19</td>
<td>12</td>
<td>92.85%</td>
</tr>
<tr>
<td>S.Y.B.A.</td>
<td>41</td>
<td>41</td>
<td>19</td>
<td>12</td>
<td>05</td>
<td>97.56%</td>
</tr>
<tr>
<td>T.Y.B.A.</td>
<td>12</td>
<td>12</td>
<td>29</td>
<td></td>
<td>07</td>
<td>100%</td>
</tr>
<tr>
<td>2014-15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F.Y.B.A.</td>
<td>26</td>
<td>26</td>
<td>10</td>
<td>16</td>
<td></td>
<td>92.30%</td>
</tr>
<tr>
<td>S.Y.B.A.</td>
<td>24</td>
<td>24</td>
<td>16</td>
<td></td>
<td>08</td>
<td>100%</td>
</tr>
<tr>
<td>T.Y.B.A.</td>
<td>20</td>
<td>20</td>
<td>08</td>
<td></td>
<td></td>
<td>90%</td>
</tr>
</tbody>
</table>
27. Diversity of Students (2011-2016)

<table>
<thead>
<tr>
<th>Name of the course</th>
<th>Percentage of students from the same state</th>
<th>Percentage of students from other states</th>
<th>Percentage of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.Y/S.Y/T.Y. B.A. (Political Science)</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Student Progression</th>
<th>Against % Enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>20%</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph.D</td>
<td>-</td>
</tr>
<tr>
<td>Ph.D. to Post Doctoral</td>
<td>-</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>Campus Selection</td>
<td>-</td>
</tr>
<tr>
<td>Other than Campus recruitment</td>
<td>50%</td>
</tr>
<tr>
<td>Entrepreneurship/self employment</td>
<td>2%</td>
</tr>
</tbody>
</table>
30. Details of Infrastructural facilities
   a. Library: **Around 382 books on the subject matter are available**
   b. Internet facilities for Staff & Students: **Available**
   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:

| Students receiving Financial Assistance (2016-17) |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Class           | General         | OBC             | S              | T              | S              | TOT             |
| F.Y.B. A.       | 01 (for securing Distinction Marks) | 04              | 0              | 1              | -              | 06              |
| S.Y.B. A        | -               | 06              | 0              | 0              | -              | 07              |
| T.Y.B .A        | -               | 01              | -              | -              | -              | 01              |

32. Details on student enrichment programs (special lectures / workshops / seminar) with external experts

**Various programs are undertaken by the Department to enrich the students with knowledge and information.**

i) **Talks are organized as an additional input for the students on topics covered in the syllabus, besides classroom teaching. In the last four years talks were organized on topics like Right to Information, Sarva Shiksha Abhiyan, need for women empowerment etc. A talk was organized on ‘Right to Information’ on 22-08-2013 for the students of Political Science. The resource person was Mr. Ravaji Gaonkar, Assistant Professor of Political Science, Government College, Sanquelim.**

ii) **Field trips are organized time to time. One of the prominent features is yearly visit to village Panchayat.**
So far the students have visited panchayats of Mathias Divar, Kumbarchua, Old Goa, Navelim and Marcela. Students are also taken to Goa Legislative Assembly and to GIPARD (Goa Institute of Public Administration and Rural development). The Department organized a field visit to GIPARD to get a deeper insight into the functioning of this institute on 13-08-2013. A visit to the Panchayat was organized where the students visited Village Panchayat of Old Goa on 13-01-2014. A visit to the Panchayat was organized where the students of Semester IV Political Science visited Village Panchayat of Tivrem Orgao Marcel on 18/02/2016.

iii) Encourage students Participation. Students are encouraged to attain talks, workshops, seminars, etc outside the college campus to get an exposure. The students of the department have attended workshops at International Centre Dona Paula, at Goa University, at GIPARD, and in other institutions and colleges from time to time. The students of Semester V of Political Science attended a lecture on “India’s Foreign Policy: Look east” at International Centre, Goa on 03-08-2013.

iv) Street plays and Rallies: The students are motivated to organize rallies and street plays which they perform for the populace of Marcela. Besides that this creates awareness in people, it also creates interest in the students to learn more. The department has organized rallies and street plays on voters’ rights, and on gender sensitization. To celebrate Voters’ Day a Rally was organized on 25th January 2014 from college to Marcel Market. To celebrate the Women’s day, students of Political Science performed street plays at strategic locations in Marcel on 8/03/2016.

33. Teaching methods adopted to improve student learning

Emphasis is led on chalk and board method. Power-point teaching is also a feature of the department. The students are also encouraged to do power-point presentations. Various methods are experimented to conduct Intra semester assessments like presentations, quizzes, orals,
role plays, etc. Students are encouraged to refer to internet facilities as and when necessary.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- **Street plays and Rallies**: The students are motivated to organize rallies and street plays which they perform for the populace of Marcela. The department has organized rallies and street plays on voters’ rights, and on gender sensitization.

**Extension Activities**

- Dr Seema P. Salgaonkar, works as a Chief Electoral Officer to motivate the students in the college completing 18 years to enroll themselves as voters. The work is undertaken in collaboration with the Block Development Officer and the Depute Collector of Ponda Taluka. She also worked as a Master Trainer to train the election staff during Lok Sabha as well State Assembly elections.

- She provides consultancy (honorary) in the areas of formation and functioning of Women Self Help Groups. Consultancy also is provided in areas of functioning of local self government.

- She is often invited to be a member on interview panels for appointment of new faculty at various Government Colleges, at Goa University and GPSC (Goa Public Service Commission).

- She has been on committees for drafting of the syllabus for UG courses in the subject of Political Science. She has remained as a member of Board of Studies for a term of three years (2012-2015).

- She has been on FRC and DRC committees of the Goa University for guiding the Ph.D. students in the subject of Political Science.

- She has also been working as External Examinationiner to examinationine M.Phil/Ph.D. theses for Goa, Solapur, Amravati, Nagpur and Kolhapur University.

**External Examinationiner for Ph.D. /M/Phil. for thesis submitted by:**

i. Smt. V.A. Satpute in the subject of Political Science titled ‘Contribution of Shankarrao Dev to Politics in Maharasta’ at Shivaji University, Kolhapur, 2015.
ii. Shri Ganesh P. Thakre, Critical Analysis of India’s Foreign Policy with special reference to Prime Minister Manmohan Singh’s Period, Amravati University, March 2014.


iv. Shri Rashtrapal Shankar Janavir, Contribution of Women from Vidharbha in Indian Freedom Struggle, Nagpur University, 2012.


vi. Appointed as an Examiner (letter dated 18/02/2016) for M.Phil Dissertation at Goa University.

- She Delivered sessions at two months Certificate Course for the Tourist Guides from September 2013 to November 2013 at Goa Institute of Rural Development and Administration, Old Goa on various aspects of Indian Political System.
- She engaged a session (as a resource person) on Empowerment and Gender Equality at Grassroots” at three day training programme on Gender Sensitization on 12-12-2013 at GIRDA.
- She engaged two sessions on ‘Political representation and empowerment of Women’ and ‘Experiences at Gram Sabhas and Grassroots Empowerment’ respectively for Refresher Course in Political Science on 9-08-2014 at Academic Staff College, Goa University.
- She was resource person for 92nd Orientation Course organized by UGC Academic Staff College, Goa University on 9/6/2015 on topic ’Importance of Panchayati Raj and role of Gram Sabhas’.

35. SWOC analysis of the department and Future plans

**Strengths:**
- The biggest strength of the department is the student teacher relations. The students and teachers share a very good rapport. The students confide in their teachers, ask
for guidance and advise and this creates a congenial atmosphere for teaching-learning.

Weaknesses:
- The department is one person department. There is only one regular teacher in this department, and this limits the scope of undertaking various activities in the department.
- Though the students are willing to learn, most of the students come from weak socio-economic background, as such the quality of education suffers. Some of them are first time learners in their family.
- The department is not recognized as Research Centre.

Opportunities:
- The department has a scope for starting six units in Political Science for Sem. V/VI.
- The Department also has scope to start interdisciplinary courses like Human Rights, Journalism, Gender and empowerment, Grassroots governance etc.
- The department has scope for getting recognized as a Research centre.

Challenges:
The major challenge is that the department cannot promise the students job placements after graduation.

Future Plans:
- The Department aspires to promote quality research work, both from the teachers as well as the students.
- To get recognized as a Research Centre.
- Invite eminent personalities to address the students.
- Organize state, national and international workshops/seminars on relevant and contemporary issues in Political Science.
Evaluative Report of the Department
Department Of Mathematics

1. Name of the department:
Mathematics
2. Year of Establishment:
1989
3. Names of Programs/Courses offered (UG, PG, M.Phil., Ph.D.,
Integratred Masters, Integrated Ph.D., etc.) :
UG – B.Sc.(I to IV Semesters)
UG – B.Com.(I to IV Semesters)
4. Names of Interdisciplinary courses and the departments/units
involved:
Discrete Mathematics, Analytical Geometry, Numerical
methods, Differential
Equations, Analysis, Mathematical Techniques, Statistical
Techniques.
5. Annual/semester/choice based credit system(programme wise):
UG-Semester system
6. Participation of the department in the courses offered by other
departments:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Programs</th>
<th>Semesters</th>
<th>Courses/Units</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UG</td>
<td>I to IV</td>
<td>B.Com.- Mathematical Techniques, Statistical Techniques,</td>
<td>Commerce</td>
</tr>
<tr>
<td>2</td>
<td>UG</td>
<td>I to IV</td>
<td>B.Sc.(Comp. Sc., PCM) - Discrete Mathematics, Analysis, Analytical Geometry, Numerical methods, Differential Equations.</td>
<td>Computer Science, Physics, Chemistry,</td>
</tr>
</tbody>
</table>

7. Courses in collaboration with other universities,
industries, foreign institutions, etc.
Nil
8. Details of courses / programs discontinued(if any) with reasons
NIL

9. Number of Teaching posts

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Asst. professors</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil. etc.,)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>No. of Ph.D. Students Guided for the Last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Lucas Miranda</td>
<td>M.Sc., M.Phil. Ph. D.</td>
<td>Associate Professor</td>
<td>-Functional Numerical Analysis -Algebraic Topology</td>
<td>27 Yrs - UG</td>
<td>Nil</td>
</tr>
<tr>
<td>Mrs. Varada A. Kalas</td>
<td>M.Sc., B.Ed., M.Phil.</td>
<td>Associate Professor</td>
<td>Complex Analysis-Certain Topics In Univalent</td>
<td>20 Yrs – UG 03 Yrs – HS</td>
<td>Nil</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise)
   by temporary faculty:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage</td>
<td>Nil</td>
<td>Nil</td>
<td>20%</td>
<td>Nil</td>
<td>51%</td>
</tr>
</tbody>
</table>
13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Sc.-15:1</td>
<td>B.Sc.-20:1</td>
<td>B.Sc.-15:1</td>
<td>B.Sc.-25:1</td>
<td>B.Sc.-25:1</td>
<td></td>
</tr>
</tbody>
</table>

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.:
   (i) Ph.D. – 01
   (ii) M.Phil. – 01

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:
   * 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, EBSCOhost, etc.)
     * Monographs: Nil
20. Areas of consultancy and income generated:
   Department helped various students and students with maths difficulties.
   Nil income generated.

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 interdepartmental/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:

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of the course/Programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled Male</th>
<th>Female</th>
<th>Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>B.Sc.- Sem.I to IV</td>
<td>29</td>
<td>29</td>
<td>13</td>
<td>16</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>B.Com.- Sem.I to IV</td>
<td>240</td>
<td>240</td>
<td>105</td>
<td>135</td>
<td>220</td>
</tr>
<tr>
<td>2012-2013</td>
<td>B.Sc.- Sem.I to IV</td>
<td>40</td>
<td>40</td>
<td>22</td>
<td>18</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>B.Com.- Sem.I to IV</td>
<td>336</td>
<td>336</td>
<td>168</td>
<td>168</td>
<td>288</td>
</tr>
<tr>
<td>2013-2014</td>
<td>B.Sc.- Sem.I to IV</td>
<td>39</td>
<td>39</td>
<td>20</td>
<td>19</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>B.Com.- Sem.I to IV</td>
<td>322</td>
<td>322</td>
<td>174</td>
<td>164</td>
<td>264</td>
</tr>
<tr>
<td>2014-2015</td>
<td>B.Sc.- Sem.I to IV</td>
<td>16</td>
<td>16</td>
<td>09</td>
<td>07</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>B.Com.- Sem.I to IV</td>
<td>189</td>
<td>189</td>
<td>99</td>
<td>106</td>
<td>182</td>
</tr>
<tr>
<td>2015-2016</td>
<td>B.Sc.- Sem.I to IV</td>
<td>30</td>
<td>30</td>
<td>22</td>
<td>08</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>B.Com.- Sem.I to IV</td>
<td>213</td>
<td>213</td>
<td>115</td>
<td>98</td>
<td>188</td>
</tr>
</tbody>
</table>

27. Diversity of Students

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of the course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2016</td>
<td>B.Sc./B.Com.</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012-</td>
<td>B.Sc./B.Com.</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>2013</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013-</td>
<td>B.Sc./B.Com.</td>
<td>95%</td>
<td>5%</td>
<td>0%</td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-</td>
<td>B.Sc./B.Com.</td>
<td>80%</td>
<td>20%</td>
<td>0%</td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015-</td>
<td>B.Sc./B.Com.</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

28. Any student have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil.
### 29. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
<th>Against % enrolled</th>
<th>Against % enrolled</th>
<th>Against % enrolled</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>02</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>Ph.D. to Post-Doc</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
</tr>
</tbody>
</table>

### Employed

- **Campus selection**
  - NIL
- **Other than campus recruitment**
  - 02
  - NIL
  - NIL
  - NIL
  - NIL

### 30. Details of Infrastructural facilities –

- **Library:**
  - Number of books - 558
  - No of journals subscribed : 1
  - No of Multidisciplinary journals: Nil
- **Internet facilities for staff & students:** Not available
- **Class rooms with ICT facility:** LCD facility
- **Laboratories:** Nil

### 31. Number of students receiving financial assistance from college, university, Government or other agencies:

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of students received scholarships</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>B.Sc.- 06  B.Com.- 116</td>
</tr>
<tr>
<td>2012-2013</td>
<td>B.Sc.-    B.Com.-</td>
</tr>
<tr>
<td>2013-2014</td>
<td>B.Sc.-    B.Com.-</td>
</tr>
<tr>
<td>2014-2015</td>
<td>B.Sc.-    B.Com.-</td>
</tr>
<tr>
<td>2015-2016</td>
<td>B.Sc.-    B.Com.-</td>
</tr>
</tbody>
</table>
32. Details on student enrichment programs (special lectures/workshops/Seminar) with external experts
   Lecture on Python Programming by Prof. Brian D’ Souza, St Xavier College, Mapusa. in the academic year 2014-15.

33. Teaching methods adopted to improve student learning
   1) Solving maximum number of problems in the class and in the practicals
   2) Giving assignments, power point presentation.
   3) Adopt lecture cum discussion method where in students can freely share their opinions on various topics in the subject.
   4) Interactive class room sessions and also Practical assignments involves group discussions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
   - Faculty member Dr. Lucas Miranda was appointed as subject expert for the Ph.D. programme in 2015-16 and also help numerous ex-students, strangers who approach with difficulties in maths at various level.
   - Participation in activities organized by NSS unit and nature club.
     The maths students of neighbouring colleges were invited for the workshop on applied mathematics coordinated by the faculty member Mrs. Varada Kalas.

35. SWOC analysis of the department and Future plans
Strength : - Committed and efficient faculty.
            - Very good results in last five years.
            - Increase in number of students.
            - All classrooms are fitted with LCD projectors
            - Enough and good collection of books are available in the library for students.

Weakness : - No students for third year.

Opportunity : - New infrastructural facilities
               - Students can take up competitive examinations.

Challenges: - To introduce better courses for Maths students.
               - To motivate students to go for higher studies.
Future plan - To start three and six units in mathematics
Evaluative Report of the Microbiology Department

1. Name of the department:

Department of Microbiology

2. Year of Establishment:

June 1990.

3. Names of Programs/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

UG: B.Sc. 6 units.

4. Names of the interdisciplinary Courses and the department / unit involved:

Certificate Course in Water Analysis with the Department of Chemistry.

5. Annual/ semester/ choice based credit system (programme wise):

B.Sc. Microbiology – Semester system.

6. Participation of the Department in the courses offered by other departments:

Certificate Course in Water Analysis with the Department of Chemistry.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Certificate Course in Water Analysis with the Department of Chemistry in collaboration with the Directorate of Health Services, Goa State Pollution Control Board.

8. Details of courses/ programs discontinued (if any) with reasons:

Nil

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Asst. Professor</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./Ph.D./M.Phil. etc.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. Of Years of Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Dilecta D’Costa</td>
<td>Ph.D.</td>
<td>Associate Professor</td>
<td>General Microbiology</td>
<td>25</td>
</tr>
<tr>
<td>Mrs. Marina Albuquerque</td>
<td>M.Sc., NET (Reg. For)</td>
<td>Associate Professor</td>
<td>General Microbiology</td>
<td>21</td>
</tr>
</tbody>
</table>
11. List of senior visiting faculty:
   Dr. Nandkumar Kamat, Scientist, Goa University
   Dr. Miguel Braganza, Horticulturist, ex-Director, Agriculture Department, Goa
   Dr. A. Parulekar, Member Secretary, Goa State Pollution Control Board.
   Dr. Sachin Tendulkar, Sr. Scientist, Department of Science and Technology, Goa.
   Dr. Anthony, Sr. Scientist, National Institute of Oceanography, Goa.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

<table>
<thead>
<tr>
<th>Year</th>
<th>No. Of Staff</th>
<th>Lectures</th>
<th>Practical’s</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-12</td>
<td>02</td>
<td>20%</td>
<td>25%</td>
</tr>
<tr>
<td>12-13</td>
<td>02</td>
<td>20%</td>
<td>25%</td>
</tr>
<tr>
<td>13-14</td>
<td>02</td>
<td>20%</td>
<td>25%</td>
</tr>
<tr>
<td>14-15</td>
<td>01</td>
<td>-</td>
<td>15%</td>
</tr>
<tr>
<td>15-16</td>
<td>02</td>
<td>15%</td>
<td>20%</td>
</tr>
</tbody>
</table>

13. Student Teacher ratio (Programme Wise)
14. Number of Academic support staff (technical) and administrative staff, sanctioned and filed.

(Technical staff); Sanctioned:- 01- Laboratory Assistant, 02- Laboratory Attendant
Filled: 01- Laboratory Assistant (Recruitment underway), 01- Laboratory Attendant
### 15. Qualification of teaching faculty with DSc / D. Litt / Ph.D. / MPhil. / PG.:

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. Of Years of Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Dilecta D’Costa</td>
<td>Ph.D. M.Sc., Ph.D.</td>
<td>Associate Professor</td>
<td>General Microbiology</td>
<td>25</td>
</tr>
<tr>
<td>Mrs. Marina Albuquerque</td>
<td>M.Sc., NET (Reg. For Ph.D.)</td>
<td>Associate Professor</td>
<td>General Microbiology</td>
<td>21</td>
</tr>
<tr>
<td>Dr. Sushanta Sapte</td>
<td>Ph.D., SET</td>
<td>Assistant Professor</td>
<td>General Microbiology</td>
<td>15</td>
</tr>
<tr>
<td>Ms. Sushma Dessai</td>
<td>Ph.D. submitted, SET</td>
<td>Assistant Professor</td>
<td>General Microbiology</td>
<td>01</td>
</tr>
<tr>
<td>Ms. Raksha Anvekar</td>
<td>M.Sc</td>
<td>Assistant Professor</td>
<td>General Microbiology</td>
<td>02</td>
</tr>
<tr>
<td>Ms. Ninoschka Pinto</td>
<td>M.Sc</td>
<td>Assistant Professor</td>
<td>General Microbiology</td>
<td>-</td>
</tr>
</tbody>
</table>

### 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Nil.

### 17. Department projects funded by DST- FIST; UGC, DBT, ICSSR, etc. and total grant received:

UGC - Nil.

### 18. Research Centre / facility recognised by the University –
No.
19. Publications:
   a) Publications per faculty:
   Number of Papers Published in peer reviewed journals (national/ international) by faculty and students:

Publications per faculty:

1. Dr. Dilecta D’Costa
   NAAS ID: M039  NAAS Score: 6.28

   NAAS ID: P120  NAAS Score: 6.00

   NAAS ID: F039  NAAS Score: 8.74

   NAAS ID: A147  NAAS Score: 7.31


2. Dr. Sushanta Sapte
   NAAS ID: A147  NAAS Score: 7.31

NAAS ID: F039  NAAS Score: 8.74

NAAS ID: M039  NAAS Score: 6.28


3. Ms. Sushama Dessai


4. Ms. Ninoschka Pinto
Number of publication listed in International Database (for e.g.: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.)

Nil

Monographs:

Nil

Chapter in Books:

1) **Dr. Dilecta D’Costa** has written a chapter entitled “Prevalence of *Listeria* in Milk from farm to table”, pages 263-288, in the book entitled “Bioprospects of Coastal Eubacteria -Ecosystems of Goa. Edited by Dr. Sunita Borkar, published by Springer. ISBN :978-3-319-12909-9

ISBN: 978-3-319-12910-5 (e-book)

Books Edited:

Nil

Books with ISBN /ISSN number with details of publishers:

Nil

SNIP

Nil

SJR

Nil

Impact Factor

h-index

B) Seminars/ Conferences per faculty:

1. **Dr. Dilecta D’Costa**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of Seminar Symposia</th>
<th>Presented Poster/Paper/Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>1) 4&lt;sup&gt;th&lt;/sup&gt; Congress of European Microbiologists at Geneva, Switzerland from 26&lt;sup&gt;th&lt;/sup&gt; to 30&lt;sup&gt;th&lt;/sup&gt; June, 2011.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2) National workshop on “Molecular subtyping of microbes using Pulsed Field Gel Electrophoresis” at ICAR Research Complex for Goa, Old Goa from 20&lt;sup&gt;th&lt;/sup&gt; to 23&lt;sup&gt;rd&lt;/sup&gt; August, 2011.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3) International Conference on Holistic Medicine (ICHM – 2011) at Kottayam, Kerala from 11&lt;sup&gt;th&lt;/sup&gt; to 13&lt;sup&gt;th&lt;/sup&gt; September, 2011.</td>
<td></td>
</tr>
</tbody>
</table>
|        | 4) International Conference on Microbial Biotechnology for Sustainable | Presented paper
|        | | Attended
|        | | Presented paper & chaired a session
|        | | Attended
| 2012-13 | Development and 52nd Annual Conference of Association of Microbiologists of India at Panjab University, Chandigarh from 3rd to 6th November, 2011. | Resource person |
| 5) State Level Seminar on “Emerging Foodborne Pathogens” at St. Xavier’s College, Mapusa on 9th and 10th February, 2012. | Chaired a session |
| 6) State level seminar on Basic Sciences: Importance & Future at P.E.S. College, Ponda from 16th to 17th March, 2012. | Attended |
| 2012-13 | 1) Seminar on “World Zoonoses Day” under the aegis of “Approaches towards combating zoonotic and food borne infections through community participation” sponsored by Department of Biotechnology, Government of India held at ICAR Research Complex for Goa, Old Goa, on 6th July, 2012. | Attended |
| 3) One day seminar on “Implementing Goa 2035 –Vision and Road Map – the Challenge Ahead” organised by the International Centre Goa on 12th August, 2012. | Attended |
| 4) Training programme on “An Expedition to Bacterial Genome Islands “organized by The School of Biosciences and Technology, VIT University, Vellore on 21st and 22nd September, 2012. | Attended |
| 5) Talk on “Cold Loving Bacteria from Antarctica and Arctic: Occurrence, Survival and Usefulness by Dr. S. Shivaji , Sr. Scientist ,Centre for Cell and Molecular Biology , Hyderabad on 5th | Attended |
| 2013-14 | 1) National conference on “Dengue and Chikungunya Epidemiology and their Management in India” held at Scott Christian College, Nagercoil, Tamil Nadu, on 30th and 31st August, 2013. | Attended |
|         | 2) 18th International Symposium on Problems of Listeriosis (ISOPOL XVIII) organized by ICAR Research Complex for Goa, held at Goa Marriot Hotel, Miramar, Panaji from 19th to 22nd September, 2013. | Presented paper |
|         | 3) 54th Annual Conference of Association of Microbiologists of India and International Symposium on Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance held at Maharshi Dayanand University, Rohtak, Haryana from 17th to 20th November, 2013. | Attended |
|         | 4) State level Seminar on “Glimpses of Microbiology in Integrative Biosciences” organized by the Department of Microbiology of St. Xavier’s College, Mapusa | Attended |
|         | 5) Brain Storming Session on Zoonoses organized by Nagpur Municipal | |


7) Talk on “Planet Earth cannot and will not do without its Microbes” by Dr. Irene Furtado on 10th January, 2013 at St. Xavier’s College, Mapusa.

8) Seminar on “Emerging Trends in Food Processing” organised by Centre for Innovation and Business Acceleration (CIBA) and DITC, Government. of Goa and funded by Ministry of Food Processing Industries Government. of India at RavindraBhavan on 14th and 15th March, 2013.
Corporation, Nagpur, in collaboration with NAWAR (National Association for Welfare of Animals & Research) held at RajeRaghujibiBhosaleSabhagruh (Town Hall), Mahal, Nagpur on 4th of January, 2014.

- Training programme "Managing Change in Government Organisations (MCGO) sponsored by Department of Science & Technology and organized by Institute of Management Training and Research, Goa, held at International Centre, Dona Paula, Goa from 3rd to 7th March, 2014.

- State Level Seminar on "Advances in Molecular Diagnostic Medicine and Antibiotic Stewardship" organized by Indian Medical Association (Goa Branch) in collaboration with SMRC's V.M. Salgaocar Hospital at Mainland China Hall Caculo Mall, Panaji on 10th March, 2014.

2014-15
1) Programme on "World AIDS Day" at Pernem.
2) TERI project on Management of water resources at International Centre Goa.
3) "Synapse 2014" organised by Chowgule College.
4) "Biocomp 2015" at Shivaji University, Kolhapur.
5) Expo of "BharatiyaVigyanParishadSammelan" and conference from 5th-8th Feb, at Kala Academy.

2015-16
1) Hands-on workshop on ICT – based teaching” on 30th July 2015 organised by Department of zoology, Dhempe College of Arts and Science, Miramar, in association with HomiBhabha Centre for
<table>
<thead>
<tr>
<th>Event</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Science Education (TIFR) Mumbai.</td>
<td></td>
</tr>
<tr>
<td>2) One-day State level Seminar on “Archea : Microbes of the third domain of life”</td>
<td>organised by Department of Microbiology, P.E.S. College of Arts &amp; Science, Farmagudi on 28th September 2015.</td>
</tr>
<tr>
<td>3) State Level Seminar on “Prevention of Sexual Harassment of Woman at workplace”</td>
<td>on 7th October 2015 in Government. College, Khandola</td>
</tr>
<tr>
<td>4) Asian Mycological Congress 2015 at Goa University</td>
<td>from 8th -10th October 2015.</td>
</tr>
<tr>
<td>5) Public lecture on “Five Microfungi that Changed The World”</td>
<td>by Professor Keith Seifert, President International Mycological Association at Institute Menezes Braganza Auditorium, Panjim-Goa on 8th October 2015</td>
</tr>
<tr>
<td>6) First International Conference on Advances in Food Science &amp; Technology</td>
<td>ICAFST 2015 from 20th to 22nd November 2015 held at Kottayam.</td>
</tr>
<tr>
<td>7) International Seminar on “New Frontiers in Microbiology and Applied Biology”</td>
<td>organised by Department of Microbiology, St. Xavier’s College, Mapusa in collaboration with Institute Menezes Braganza, Panaji from 7th to 8th January 2016.</td>
</tr>
<tr>
<td>8) International Conference on “Ecotoxicology and Environmental Sciences”</td>
<td>organised by Institute of Ecotoxicology and Environmental Sciences held at CIFT, Kochi, Kerala from 15th -17th Feb 2016.</td>
</tr>
<tr>
<td>9) One day National Wellness Entrepreneurship workshop on “OKDAMM- Decoding Traditional and Modern Medicine”</td>
<td>organised by C.R.E.S.T. at Fr. Agnel College of Arts and Commerce, Pillar on 11th February 2016.</td>
</tr>
</tbody>
</table>

**2. Marina Albuquerque**
<table>
<thead>
<tr>
<th>Year</th>
<th>Name of Seminar Symposia</th>
<th>Presented Poster/Paper/Attended</th>
</tr>
</thead>
</table>
| 2011-12 | 1) Microbial diversity and its applications in health, Agriculture and Industry at ICAR, Goa  
2) Impact of climate change on Biodiversity at Science Centre Miramar, Goa  
3) Workshop on “Teachers as Counsellors” at Government College, Sanquelim on 29<sup>th</sup> March, 2012. | Attended  
Attended  
Attended |
| 2012-13 | 1) Emerging trends in Bio-sciences and Bio-industry at Janatrishna, Brindavan College, Bangalore  
2) Study of amylolytic yeasts at ParvatibaiChowgule College, Goa  
3) Talk on “Planet Earth cannot and will not do without its Microbes” by Dr. Irene Furtado on 10<sup>th</sup> January, 2013 at St. Xavier’s College, Mapusa.  
4) Seminar on “ World Zoonoses Day” held at ICAR Research Complex, Old Goa, on 6<sup>th</sup> July, 2012. | Attended  
Presented Paper |
<table>
<thead>
<tr>
<th>Year</th>
<th>Name of seminar symposia</th>
<th>Attended/Presented Paper/Poster/Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-14</td>
<td>1) Glimpses of microbiology in integrate Bio-sciences at St. Xavier’s College, Goa.</td>
<td>Attended</td>
</tr>
<tr>
<td></td>
<td>2) The seminar organized on occasion of world Zoonoses day at ICAR, Goa</td>
<td>Attended</td>
</tr>
<tr>
<td>2014-15</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2015-16</td>
<td>1) Recent developments in biotechnology organized by St. Xavier’s College, Goa</td>
<td>Attended</td>
</tr>
<tr>
<td></td>
<td>2) One day seminar on “Organic oyster mushroom cultivation” at Government. College Khandola, Goa</td>
<td>Attended</td>
</tr>
</tbody>
</table>

3. Dr. Sushanta Sapte

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of seminar symposia</th>
<th>Presented Paper/Poster/Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>1) Microbial Diversity and its applications in Health, Agriculture and Industry at ICAR, Goa</td>
<td>Presented Paper</td>
</tr>
<tr>
<td>2012-13</td>
<td>1) Seminar organized on occasion of World Zoonoses Day at ICAR, Goa</td>
<td>Attended</td>
</tr>
<tr>
<td>2013-14</td>
<td>1) Frontier Discoveries and Innovations in Microbiology and its interdisciplinary Relevance at AMI</td>
<td>Presented Poster Presented Poster Attended</td>
</tr>
<tr>
<td></td>
<td>2) International Symposium on Problems of Listeriosis in ISOPOL XVIII, Goa</td>
<td>Presented Poster Presented Poster Attended</td>
</tr>
<tr>
<td></td>
<td>3) Brain Storming session on Zoonoses organized by NAWAR at Nagpur</td>
<td>Attended</td>
</tr>
<tr>
<td></td>
<td>4) Emerging trends in Bio-sciences and Bio-industry at Janatrishna, Brindavan College, Bangalore</td>
<td>Presented Poster Attended</td>
</tr>
<tr>
<td>2014-15</td>
<td>1) BhartiyaVigyanSammelan and Expo at Goa</td>
<td>Attended</td>
</tr>
<tr>
<td></td>
<td>2) Biosciences-Biocomp at Shivaji University, Kolhapur</td>
<td>Presented Poster</td>
</tr>
<tr>
<td></td>
<td>3) Advances in Biological Sciences at PES College Ponda, Goa</td>
<td>Presented Poster</td>
</tr>
<tr>
<td>2015-16</td>
<td>1) Asian Mycological Congress at Goa University, Goa</td>
<td>Presented Paper Presented Poster Attended</td>
</tr>
<tr>
<td></td>
<td>2) New frontiers in Microbiology organized by St. Xavier’s College and Institute Menezes Braganza, Goa.</td>
<td>Presented Paper Presented Poster</td>
</tr>
<tr>
<td></td>
<td>3) Archea: Microbes of the third domain of life organized by PES College, Farmagudi-</td>
<td>Presented Poster</td>
</tr>
</tbody>
</table>
### 4. Ms. Sushama Dessai

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of seminar symposia</th>
<th>Presented Paper/Poster/Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>1) National training workshop on “Bioinformatics and its Applications” held on 29(^{th})-31(^{st}) March 2011 at College of Fisheries, Mangalore.</td>
<td>Attended</td>
</tr>
</tbody>
</table>
| 2014-2015 | 1) 55\(^{th}\) National Conference on Empowering Mankind with Microbial Technologies (AMI-EMMT-2014) organized by Tamil Nadu Agricultural University Coimbatore  
2) BhartiyaVigyanSammelan and Expo at Goa  
3) State level seminar on “Advances in Microbiology and Marine Microbiology” held on 13\(^{th}\) March 2015 at Goa University. | Presented Poster  
Oral Presentation  
Attended |
| 2015-2016 | 1) State level seminar on Archaea: Microbes of the third domain of life organized by PES College, Farmagudi-Goa  
2) International conference on green chemistry catalysis, energy and environment organized by Department of Chemistry, Goa University | Oral Presentation (Third Prize)  
Presented Poster (First Prize) |

### C) Seminars / Workshops/ Talks Organised

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of seminar/Workshop/Talk organised</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>Nil</td>
</tr>
<tr>
<td>2012-2013</td>
<td>Nil</td>
</tr>
</tbody>
</table>
| 2013-2014 | 1) A seminar and inter-class poster competition was organised on World TB Day wherein doctors from Primary Health Centre, Betki, created awareness on TB prevention and control among our staff and students with their very informative power point presentations.  
2) The following inter-class activities were organised and the winners were given prizes.  
   (a) Microchef – Cooking competition using microbial products  
   (b) Microbazaar – Making remedial products for skincare |
and digestive problems, preparation of charts and models.
(c) Microspell – Spelling competition of names of microorganisms.
(d) Microblast – Practical - Skill based competition, cartoon and debate competition

<table>
<thead>
<tr>
<th>Year</th>
<th>Study Tour Organised</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2) Advocacy workshop on Vector Borne Diseases in July 2014, sponsored by Primary</td>
</tr>
<tr>
<td></td>
<td>Health Centre, Betki. 100 people attended including nodal officers of schools</td>
</tr>
<tr>
<td></td>
<td>Government. offices in and around Khandola, Sarpanches, faculty members and students</td>
</tr>
<tr>
<td></td>
<td>of the college.</td>
</tr>
<tr>
<td>2015-2016</td>
<td>7) Orientation programme for F.Y. B.Sc Microbiology students.</td>
</tr>
<tr>
<td></td>
<td>8) Organised a talk on “Challenges Faced by Youths especially with regard to Drug</td>
</tr>
<tr>
<td></td>
<td>Addiction by Dr. Ugam Tari on 12th August 2015.</td>
</tr>
<tr>
<td></td>
<td>9) “MICRO-Talent” week was organised for F.Y.,S.Y. and T.Y. B.Sc. Microbiology</td>
</tr>
<tr>
<td></td>
<td>students wherein Competitions like Cooking, extempore, fancy dress, treasure hunt,</td>
</tr>
<tr>
<td></td>
<td>Microspell, Microskill, Poster making etc were held.</td>
</tr>
</tbody>
</table>

**Study tour organised**

<table>
<thead>
<tr>
<th>Year</th>
<th>Study Tour Organised</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>Nil</td>
</tr>
<tr>
<td>2012-2013</td>
<td>Organised a study tour for Microbiology 6 unit students to Mysore from 6th to 10th Nov</td>
</tr>
<tr>
<td></td>
<td>2012 and visited the following institutes:</td>
</tr>
<tr>
<td></td>
<td>i. Microbiology Department – University of Mysore</td>
</tr>
<tr>
<td></td>
<td>ii. Biotechnology Department – University of Mysore</td>
</tr>
<tr>
<td></td>
<td>iii. Defence Food Research Laboratory Mysore</td>
</tr>
<tr>
<td></td>
<td>iv. CFTRI – Mysore</td>
</tr>
</tbody>
</table>
2013-2014 Organised a study tour for Microbiology 6 unit students to Hyderabad from 6th to 13th Nov 2013 wherein they visited research institutions like i. CCMB, ii. CIMAP, iii. Dr. Ronald Ross hospital for Malaria, iv. Osmania University Department of Genetics and Genetic Disorders, etc.


2015-2016 Organised a study tour to Gujarat for students of T.Y.B. Sc.Microbiology and Rajasthan, wherein the following institutes were visited. i. AMUL-Anand ii. F.R.I.G.E.- Gujarat iii. CAZRI – Jodhpur iv. National Research Centre on Camel – Bikaner v. Sam Sand Dunes – Jaisalmer

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:
   a. National committees
      **Human Resource Management for Food Processing Industries in Goa:**
      Ms Marina Albuquerque

   b. International Committees
      **ISOPOL (International Symposium on problems of listeriosis)**
      Dr. Dilecta D’Costa - Organising member.

   c. Editorial Boards...
      Nil

22. Students Projects
   a) Percentage of students who have done in-house projects including inter departmental / programme: **100%**
   b) Percentage of students placed for projects in organisations outside the institution i.e. in Research laboratories /Industry /other agencies:
23. Awards / Recognitions received by faculty and Students –
   1) Dr. Dilecta D’Costa, Best Paper Award, Gold Medal at International Conference on “Ecotoxicology and Environmental Sciences” organised by Institute of Ecotoxicology and Environmental Sciences held at CIFT, Kochi, Kerala from 15th - 17th Feb 2016.
   2) Ms. Marina Albuquerque, Assoc Prof. of Microbiology secured 4 silver medals and 4 bronzes in the All India Civil Services badminton tournament held over the last 7 years in the womens and mixed doubles tournament.

24. List of eminent academicians and scientists / Visitors to the department:
   Dr. Nandkumar Kamat, Scientist, Goa University
   Dr. Miguel Braganza, Horticulturist.
   Dr. A. Parulekar, Member Secretary, Goa State Pollution Control Board.
   Dr. Sachin Tendulkar, Sr. Scientist, Department of Science and Technology, Goa.
   Dr. Anthony, Sr. Scientist, National Institute of Oceanography.

25. Seminars / Conferences / Workshops organised & the source of funding
   a) National – State Level Workshops.
      Nil.
   b) International –
      Nil.

26. Student profile programme / course wise:

<table>
<thead>
<tr>
<th>Name of the course (refer question no. 4)</th>
<th>Programme</th>
<th>Applications Selected received</th>
<th>Enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
</tr>
<tr>
<td>2011-2012</td>
<td>F.Y.B.Sc.</td>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.Sc.</td>
<td>7</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.Sc.</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>2012-2013</td>
<td>F.Y.B.Sc.</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.Sc.</td>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.Sc.</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>2013-2014</td>
<td>F.Y.B.Sc.</td>
<td>7</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.Sc.</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.Sc.</td>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>2014-2015</td>
<td>F.Y.B.Sc.</td>
<td>5</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.Sc.</td>
<td>6</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.Sc.</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>2015-2016</td>
<td>F.Y.B.Sc.</td>
<td>12</td>
<td>44</td>
</tr>
</tbody>
</table>
27. Diversity of students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other states</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.Y.B.Sc.</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>S.Y.B.Sc.</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>T.Y.B.Sc.</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil Services, Defence services, etc?

**NET – 03.**

29. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled at T.Y.BSc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>50%</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>0%</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>4%</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>3%</td>
</tr>
<tr>
<td>Employed</td>
<td>60%</td>
</tr>
<tr>
<td>Campus selection</td>
<td>2%</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>-</td>
</tr>
<tr>
<td>Entrepreneurship / Self- employment</td>
<td>1%</td>
</tr>
</tbody>
</table>

30. Details of infrastructural facilities:

* Well equipped Laboratory with projector, preparation and washing room, project room.
  a) Library – Books in the library: 822
  b) Internet Facilities for Staff & Students - Yes
  c) Class rooms with ICT facility - No
  d) Laboratories – Yes

31. Number of students receiving financial assistance from college, university, Government or other agencies:

<table>
<thead>
<tr>
<th>YEAR</th>
<th>SCHOLARSHIP NAME</th>
<th>STATE</th>
<th>CENTRAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>Post matric scholarship</td>
<td>1</td>
<td></td>
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<tr>
<td></td>
<td>Post matric scholarship ST</td>
<td>21</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>Handicapped Scholarship</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Year</td>
<td>Type</td>
<td>OBC</td>
<td>SC</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>2012-13</td>
<td>Post matric scholarship ST</td>
<td>49</td>
<td>18</td>
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<tr>
<td></td>
<td>Merit Based award</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship SC</td>
<td>43</td>
<td>81</td>
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<tr>
<td></td>
<td>Post matric scholarship OBC</td>
<td>54</td>
<td>23</td>
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<td></td>
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<td>2</td>
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<tr>
<td></td>
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<td>5</td>
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<tr>
<td></td>
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<tr>
<td>2014-15</td>
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<td>59</td>
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<tr>
<td></td>
<td>Merit Based award</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship ST</td>
<td>1</td>
<td>56</td>
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<tr>
<td></td>
<td>Post matric scholarship</td>
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<td>1</td>
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<tr>
<td></td>
<td>Post matric scholarship SC</td>
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<td>2015-16</td>
<td>Merit Based award</td>
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<td>Post matric scholarship</td>
<td>54</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>GaganBharariShikshaYojana</td>
<td>97</td>
<td></td>
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<tr>
<td></td>
<td>Post matric scholarship SC</td>
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<tr>
<td></td>
<td>Post matric scholarship OBC</td>
<td>71</td>
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<tr>
<td></td>
<td>Post matric scholarship (FRESH) SC</td>
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<td></td>
<td>Post matric scholarship (RENEWAL) OBC</td>
<td>12</td>
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<tr>
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<td>Post matric scholarship (FRESH) OBC</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship (FRESH) ST</td>
<td>78</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Post matric scholarship (RENEWAL) ST</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

32. Details on student enrichment programs (special lectures / workshops / seminars) with external experts:

- Dr. Nandkumar Kamat, Scientist, Goa University addressed the students on the topic “Developing a Scientific Temper”
• Dr. Miguel Braganza, Horticulturist introduced the students to the world of “Agricultural Microbiology”
• Dr. A. Parulekar, Member Secretary, Goa State Pollution Control Board spoke on the “Management of Pollution”
• Dr. Sachin Tendulkar, Sr. Scientist, Department of Science and Technology, Goa informed and encouraged the students on “Careers in Science”
• Dr. Anthony, Sr. Scientist, National Institute of Oceanography gave a talk to the students on “Instrumentation”

33. Teaching methods adopted to improve students’ learning:
Students are encouraged to prepare charts, models and class assignments, Teachers use various methods like Power point presentations, Posters and flow sheets, Extempore, Field trips and study tours to aid in teaching and broadening the students’ horizons to inculcate an interest of the subject in them. Quizzes, debates and Brain storming sessions are organized. Extracurricular, but subject related, inter class events are organized like Microbial fermented cuisine, Agar Art and Microtoons (microbiology cartoons).

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
The T.Y.BSc students of Microbiology have to undertake a project as a requirement to complete the sixth semester. The projects were chosen with a view to apply their expertise and to help the population of the neighbouring villages of Cumbharjua and St. Estevam.
1. Study of the microbial flora in local horticultural food products.
2. Production of Citric acid by using vegetable and fruit waste from Banastarim and Sankhali markets.
3. Comparative studies of bacterial flora along the Mandovi river.
4. Microbiology Assessment of well water of three villages: Cumbharjua, Marcela and St.Estevam.
5. Studies on interaction between Phaseolus vulgaris(Kidney beans) and Rhizobium.
6. A blood grouping camp was organised for the students of the college
7. The importance of Immunisation Schedule.
8. A talk on “Hygiene and Good Health Practices” was organised for the residents of Marcel.

35. SWOC analysis of the department and future plans:
Strength:
Ever increasing student strength.
Students and teachers share a good rapport.
Students confide in teachers, ask for guidance and advice, thus creating a congenial atmosphere for learning. Well qualified teaching faculty.
Weakness:
Lack of sophisticated instrumentssuch as microscopes with camera attachment, PCR machine, UV visualize for viewing gels.
Students are willing to learn however some students come from weak backgroundsand are first generation learners, they are not very proficient in expressing themselves.

Opportunities:
The faculty is well qualified with experience in research and thus minor research projects can be undertaken.

Future:
To promote good research work from teachers and students.
Invite personalities from various fields to address the students.
Organise state level workshops/schemes on relevant topics.

3. Evaluative Report of the Departments

The self- evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department:
   Commerce

2. Year of Establishment:
   June 1989

3. Name of the programme/courses offered (UG,PG, M.phil, Ph.D, Integrated Masters, Integrated PhD ,etc):
   UG Commerce  B.com, Applied PG MCom.

4. Names of Interdisciplinary courses and the departments/units involved
   No

5. Annual/ semester/ choice based credit system (programme wise):
   Semester( I to VI)

6. Participation of the department in the courses offered by the other departments:
   NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc: Goa University

NIL

8. Details of course/programmes discounted(if any) with reason:

No

9. Number of teaching posts

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>

10. Faculty profile with name, qualification, designation, Specialization, (D.Sc/D.Litt./Ph.D, etc)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. Of years of Expericence</th>
<th>No. Of PhD Students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.V Sukthankar</td>
<td>M.com, MB.A, SET, Ph.D</td>
<td>Asso. Professor</td>
<td>Accounting &amp; Management</td>
<td>27</td>
<td>NIL</td>
</tr>
<tr>
<td>Radhamani Divkar</td>
<td>M.COM.</td>
<td>Asst.Professor</td>
<td>Management</td>
<td>20</td>
<td>NIL</td>
</tr>
<tr>
<td>Yanita Palkar</td>
<td>M.COM. NET</td>
<td>Asst.Professor</td>
<td>Accounting</td>
<td>03</td>
<td>NIL</td>
</tr>
<tr>
<td>Ranjana SawaiKar</td>
<td>M.COM. CA(FinalPartII),SET</td>
<td>Asst.Professor</td>
<td>Accounting</td>
<td>06</td>
<td>NIL</td>
</tr>
</tbody>
</table>

Names will be included as soon as new staff join ON 12 TH SEPT

11. List of senior visiting faculty;

Prof Vithal Sukthankar. Professor of Computer Science, Goa Institute of Management.

Dr. Nilesh Borde, Associate Prof, Dept Of Management, Goa University.
Prof Mahajan. Prof of Commerce. Shimla University

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: to be calculated once newly appointed prof join

13. Student – teacher ratio (programme wise):

   40:1

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled:

   NIL

15. Qualification of teaching faculty with DSc/D.litt/PhD/ M.phil/ PG.)

<table>
<thead>
<tr>
<th>S.no</th>
<th>Name</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. S.V Sukthankar</td>
<td>M.Com.M.B.A, SET, Ph.D.</td>
</tr>
<tr>
<td>2</td>
<td>Radhamani Divkar</td>
<td>M.com</td>
</tr>
<tr>
<td>3</td>
<td>Yanita Palkar</td>
<td>M.com. NET</td>
</tr>
<tr>
<td>4</td>
<td>Ranjana Sawaikar</td>
<td>M.com CA(FinalPartII),SET</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
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<tr>
<td>7</td>
<td></td>
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<tr>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. Number of faculty 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:

   NIL

18. Research centre/ facility recognized by the university:

   Applied for PG Programme and Research Centre (in Process)

19. Publications:


a) Publication per faculty:

Number of paper published in peer reviewed journals (national/international) by faculty and students: 15

Number of publication listed in international Database( for Eg: Web of science, Scopus, Humanities International complete, Dare Database- International Social sciences Directory, EBSCO host, etc)

Monographs : NIL
Chapter in books : **NIL**

Books edited: **NIL**

Books with ISBN/ISSN numbers with details of publishers: **NIL**

SNIP: **NIL**

SJR

Impact factor

20. Areas of consultancy and income generated: Yes

**Area of consultancy : Jeevak Products**

**Income Generation: Honorary basis.**

**NIL**

21 Faculty as members in

a. National committees : **NIL**

b) International committees : **NIL**

c) Editorial Boards: **NIL**

**Others:**

**Dr. S.V. Sukthankar, elected member of Court, Goa University.**

**Dr. S.V. Sukthankar, was appointed** as subject expert for the selection of Assistant Professor in Commerce by Goa Public Service Commission.

**Dr. S.V. Sukthankar, was appointed** as subject expert for the selection of Assistant Professor in Commerce At Vidhya Probhodini College of Commerce, porvorim, Zantye College Bicholim, CES College Cuncolim, GVM College Ponda & DHE Porvorim.

Dr S.V. Sukthankar was appointed as Subject expert for screening committee for granting UGC Fellowship to Asst. Professors of Commerce by Gopal Govind Poi Raitukar College of Commerce & Economics- Ponda.

Dr S.V. Sukthankar as member on committee for granting research centre at Dempo college & commencing of B.A in Bus Economics at the same college.

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 organisations outside the institution, i.e. in Research laboratories/ Industry/other agencies:

100%.

<table>
<thead>
<tr>
<th>Year</th>
<th>Names of the Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011 - 2012</td>
<td>Hitek Brass Products</td>
</tr>
<tr>
<td></td>
<td>M/S Jacolia Plastic Private Ltd. Kundiam Goa</td>
</tr>
<tr>
<td></td>
<td>Goa State Co-op Milk Producers Union Ltd.</td>
</tr>
<tr>
<td></td>
<td>M/S Pure Water Beverages, Verna Goa</td>
</tr>
<tr>
<td></td>
<td>M/S Akruti Tiles and Marbles Pvt. Ltd.</td>
</tr>
<tr>
<td></td>
<td>Sanjivani Sahakari Sakhar Kharkhana Ltd.</td>
</tr>
<tr>
<td></td>
<td>Surya Agro Industry</td>
</tr>
<tr>
<td>2013 - 2014</td>
<td>Churi Industries Kundaim – Goa</td>
</tr>
<tr>
<td></td>
<td>Putzmeister Concrete Machines Pvt. Ltd. Verna - Goa</td>
</tr>
<tr>
<td></td>
<td>Ranbaxy Laboratories Ltd. Madkaim - Goa</td>
</tr>
<tr>
<td></td>
<td>Jeevak Industries</td>
</tr>
<tr>
<td></td>
<td>Merk Ltd. Usgao Goa</td>
</tr>
<tr>
<td></td>
<td>Brown Packaging Pvt. Ltd. Corlim Goa</td>
</tr>
<tr>
<td></td>
<td>Vaibhav Packaging Kundiam Goa</td>
</tr>
<tr>
<td></td>
<td>Chowgule Industries Pvt. Ltd.</td>
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<tr>
<td></td>
<td>Menezes Camco Pvt. Ltd.</td>
</tr>
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<td>Mahal Plastic and Fiber Pvt. Ltd.</td>
</tr>
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<td></td>
<td>Vijaya Packaging</td>
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<td></td>
<td>Poultry Industry in Goa</td>
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<tr>
<td></td>
<td>Hindustan Unilever Ltd.</td>
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<td>Aditya Beverages Madkaim - Goa</td>
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<tr>
<td>2015-2016</td>
<td>Sharayu Toyoto Verna - Goa</td>
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<td>Mahavir Plastic Ltd. Corlim Goa</td>
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<td></td>
<td>Nana Food and Spices</td>
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<td>R.K. Industrial Corporation</td>
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<td>Aviza Technologies Kundaim Goa</td>
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<tr>
<td></td>
<td>Alcon Cement Pvt. Ltd. Surla Bicholim</td>
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<td></td>
<td>Goa Dairy</td>
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<tr>
<td></td>
<td>HPCL Kundaim</td>
</tr>
</tbody>
</table>

23. Awards/Recognitions received by Faculty and students.

NIL

24. List of eminent academicians and Scientists/Visitors to the department.

NOT SO FAR

25. Seminars/Conferences/Workshops organised and the source of funding

a. National

b. International

c. Workshop/seminar
<table>
<thead>
<tr>
<th>Sno</th>
<th>Particulars</th>
<th>Sponsored</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>‘A state level one day seminar on Execution &amp; Relevance of Study tour’</td>
<td>Shri Deepak Dhavalikar, Hon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Minister</td>
</tr>
<tr>
<td>2</td>
<td>A workshop on consumer rights</td>
<td>Directorate of civil supplies</td>
</tr>
<tr>
<td>3</td>
<td>“A State level one day workshop on Consumer protection Act with special</td>
<td>Directorate of civil supplies</td>
</tr>
<tr>
<td></td>
<td>reference to Health for NSS programme Officers from college &amp; Higher secondary</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schools from Goa”.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>“A half day workshop on Consumer protection Act with special reference to</td>
<td>Directorate of civil supplies</td>
</tr>
<tr>
<td></td>
<td>Consumer rights to Food Safety for Panchayat Members, Self Help Groups &amp; NGOs</td>
<td></td>
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</tbody>
</table>

26. Student profile programme/course wise:

**Student Profile Programme/Course wise**

<table>
<thead>
<tr>
<th>Year</th>
<th>Programme</th>
<th>Applications Received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass Percentage</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Male</td>
<td>Female</td>
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<tr>
<td>2010-2011</td>
<td>F.Y.B.Com</td>
<td>108</td>
<td>108</td>
<td>37</td>
<td>71</td>
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<tr>
<td></td>
<td>S.Y.B.Com</td>
<td>69</td>
<td>69</td>
<td>18</td>
<td>51</td>
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<tr>
<td></td>
<td>T.Y.B.Com</td>
<td>81</td>
<td>81</td>
<td>49</td>
<td>32</td>
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<tr>
<td>2011-2012</td>
<td>F.Y.B.Com</td>
<td>132</td>
<td>132</td>
<td>58</td>
<td>74</td>
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<tr>
<td></td>
<td>S.Y.B.Com</td>
<td>78</td>
<td>78</td>
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<td>54</td>
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<tr>
<td></td>
<td>T.Y.B.Com</td>
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<td>69</td>
<td>49</td>
<td>20</td>
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<td>2012-2013</td>
<td>F.Y.B.Com</td>
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<td>103</td>
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<td>S.Y.B.Com</td>
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<td>T.Y.B.Com</td>
<td>86</td>
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<td>62</td>
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<td>2013-2014</td>
<td>F.Y.B.Com</td>
<td>164</td>
<td>164</td>
<td>55</td>
<td>109</td>
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<td>S.Y.B.Com</td>
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<td>182</td>
<td>88</td>
<td>94</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.Com</td>
<td>100</td>
<td>100</td>
<td>34</td>
<td>66</td>
</tr>
<tr>
<td>2014-2015</td>
<td>F.Y.B.Com</td>
<td>71</td>
<td>71</td>
<td>28</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.Com</td>
<td>101</td>
<td>101</td>
<td>45</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.Com</td>
<td>137</td>
<td>137</td>
<td>78</td>
<td>59</td>
</tr>
<tr>
<td>2015-2016</td>
<td>F.Y.B.Com</td>
<td>142</td>
<td>142</td>
<td>59</td>
<td>83</td>
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<tr>
<td></td>
<td>S.Y.B.Com</td>
<td>63</td>
<td>63</td>
<td>26</td>
<td>37</td>
</tr>
</tbody>
</table>
27. Diversity of students:

**Diversity of Students**

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>Percentage of students from the same state</th>
<th>Percentage of students from other states</th>
<th>Percentage of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SIET, GATE, civil services, Defence services, etc?

**NA**

29. Student progression:

**Students Progression**

<table>
<thead>
<tr>
<th>Student Progression</th>
<th>Against % Enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td></td>
</tr>
<tr>
<td>PG to M.Phil</td>
<td></td>
</tr>
<tr>
<td>PG to Ph.D</td>
<td></td>
</tr>
<tr>
<td>Ph.D to Post Doctoral</td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>Campus Selection</td>
<td></td>
</tr>
<tr>
<td>Other than Campus Recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/Self-Employment</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>M.Com/P.G.</th>
<th>MBA</th>
<th>LLB</th>
<th>Others</th>
<th>B.PEd</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2016</td>
<td>06</td>
<td>Nil</td>
<td>01</td>
<td>03</td>
<td>02</td>
</tr>
<tr>
<td>2014-2015</td>
<td>06</td>
<td>Nil</td>
<td>Nil</td>
<td>03</td>
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<tr>
<td>2013-2014</td>
<td>20</td>
<td>01</td>
<td>Nil</td>
<td>05</td>
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</tr>
<tr>
<td>2012-2013</td>
<td>09</td>
<td>03</td>
<td>03</td>
<td>04</td>
<td>Nil</td>
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<tr>
<td>2011-2012</td>
<td>02</td>
<td>04</td>
<td>Nil</td>
<td>05</td>
<td>01</td>
</tr>
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</table>

30. Details of Infrastructural facilities

a. Library

<table>
<thead>
<tr>
<th></th>
<th>Existing</th>
<th>Newly added</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>No.</td>
<td>Value</td>
<td>No.</td>
<td>Value</td>
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<tr>
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<tr>
<td>Text Books</td>
<td>9046</td>
<td>1086470</td>
<td>215</td>
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<tr>
<td>Reference Books</td>
<td>11386</td>
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<tr>
<td>e-Books</td>
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<td>Journals</td>
<td>21</td>
<td>44915</td>
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</tr>
<tr>
<td>e-journals</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital Database</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CD &amp; Video</td>
<td>360</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others (specify)</td>
<td>715</td>
<td>40</td>
<td>-</td>
</tr>
<tr>
<td>Project Report</td>
<td></td>
<td>37</td>
<td>-</td>
</tr>
</tbody>
</table>

b. Internet facility for staff & student:

Not available to teaching staff in the staff room.

c. Classrooms with ICT facility:

All classrooms are ICT enabled

d. Laboratories: Commerce lab & IT Lab are ICT enabled

31. Number of students receiving financial assistance from college, university, government or other agencies

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Post metric Scholarship to ST</td>
<td>63</td>
<td>41</td>
<td>25</td>
<td>27</td>
<td>17</td>
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<td>Gagan Bharari to ST</td>
<td>32</td>
<td>41</td>
<td>04</td>
<td>02</td>
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<tr>
<td>Merit Award</td>
<td>Nil</td>
<td>06</td>
<td>Nil</td>
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32. Details on student enrichment programmes (special lectures/workshops/seminar) with external expert

**Special lectures:**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name and Address of Resource person</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. Manguirish N. Pai Raikar Ex- President of Goa Chamber of Commerce &amp; Proprietor of SR Consultancy Services Panjim- Goa</td>
<td>Industry expectation from Commerce graduate</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Kashinath Naik Allumini and Managing Director</td>
<td>Getting Industry ready- Hard work ahead</td>
</tr>
<tr>
<td></td>
<td>The Goa State Co-Op-Marketing and Supply Federation Ltd. Panjim-Goa</td>
<td></td>
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<tr>
<td>---</td>
<td>---------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Mr. Howarl Wayled</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Professor in Communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Global Business School</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hubli-Karnataka</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Personality Development, Public Speaking and Communication</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Mr. Uday Lavate</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Director, Global Business School</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hubli-Karnataka</td>
<td></td>
</tr>
<tr>
<td></td>
<td>How to prepare CV-Group Discussion</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Dr. G. Shrinivas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asst. Regional Director</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IGNOU Regional Centre</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Alto-Porvorim Goa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IGNOU- Opportunities for learning</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Mr. D.S. Prashant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Executive Centre for Incubation and Business Accelerization (CIBA)</td>
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</tr>
<tr>
<td></td>
<td>Assagao-Mapusa-Goa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Challenges and Opportunities in Entrepreneurship</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Mr. Vithal Sukhthankar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Professor of computer Science</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GIM, Karapur, Sankhali-Goa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Self Motivation</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Mr. Prabhakar Rane</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Certified Trainer, SEBI-5th Floor EDC House</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Panjim-Goa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Investment opportunities for young investors</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Mr. Shyam Prabhu</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Proprietor of Matrix Enterprise</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Panjim-Goa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The effective use of LCD Projector in teaching and learning process</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Mr. Roland Martines</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Co-ordinator, GOACAN, Mapusa-Goa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Consumer Protection Act</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Mr. Shrirang Jhamble, Principal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Krishna Pai Raikar Agricultural H.S.S., Savoi-Verem, Ponda-Goa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opportunities and Challenges for Rural Enterprise</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Dr. Dayanand Rao</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Professor of Medicine</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GMC, Bambolim-Goa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Opportunities and challenges for youth</td>
<td></td>
</tr>
</tbody>
</table>

33. **Teaching methods adopted to improve student learning:**

Students are engaged in constructive and subject related group discussions, presentations, assignments and industrial/field visits etc.

Teachers guide the third year students in project work which is generally research based and involves industrial visits.

In order to develop entrepreneurial qualities Melas are organised.
Managerial Personnel from industry and officials of the GCCI visit our campus and interact with our students.

The Commerce students of the college get insights into the practical working of industries/ banking and financial sectors etc. through visits to local industrial units.

Guest lectures by experts in various subjects

Participation in seminars, workshops etc organised by other institutions.

Faculty Enrichment Programmes to enhance knowledge and skill level of the faculty.

Poster presentations, power point presentation, assignments (individual and group).

Participation in intra and extra-mural competitions.

NSS, Sports and various other associations

Intensive mentoring in that subject by the concerned teachers.

Interactive and brainstorming sessions.

Academic counselling by class counsellors

Assigning work and providing library resource material to these students.

Extra coaching and exposure to new ideas is provided in these subjects.

Participation in seminars/symposia, attending talks by the intellectuals of various fields.

Students from the disadvantaged sections of the society, physically challenged, slow learners, etc. are identified and accordingly counselled along with their parents, in this way the risk of dropout is minimized before they appear for the semester end exam.

Class counsellors and subject teachers too attempt to provide timely intervention in the form of counselling/additional resources/ one-on-one coaching as aids to complement the learning needs of such students.

Economically weaker sections of the student populace are assisted through various State Government and Institutional scholarships. In case students are unable to pay their admission/examination fees before the due date, faculty members provide temporary financial assistance. Faculty also adopt students from financially depressed background and provide financial assistance.

Book bank facilities for needy students.

Industrial visits to Goa Dairy, Revathi Synthetics pvt ltd, Sanjeevani Sahakari Karkhana Ltd, Caculo Mall, Vishal Mega Mart, Goa Bhagayatdar, Central library, Mall De Goa.
Study tours organised:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Year</th>
<th>Places</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2016-17</td>
<td>Ahmedabad-Jodhpur-Jaisalmer-Bikaner-Manali-Kullu-Amritsar-Chandigarh</td>
</tr>
<tr>
<td>2</td>
<td>2015-16</td>
<td>Bhubeneshwar-Konark-Puri-Calcutta-Darjeeling-Gangtok-Tasngolake-Pashupati (Nepal) -NJP</td>
</tr>
</tbody>
</table>

34. Participation in Institutional Social Responsibility (ISR) and Extension activities; The dept of Commerce has undertaken the responsibility of NSS of the College, the activities are:

a) Guest talks
<table>
<thead>
<tr>
<th>No.</th>
<th>Name and Details</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mr. Pradeep Morajkar, NSS Coordinator, Goa University</td>
<td>Role of NSS in Youth Development</td>
</tr>
<tr>
<td>2.</td>
<td>Mr. Minesh Tar, RTO, Directorate of Transport, Mapusa Goa</td>
<td>Road Safety</td>
</tr>
<tr>
<td>3.</td>
<td>Ms. Donna Noronha, Co-ordinator, Cooj</td>
<td>Suicide Prevention</td>
</tr>
<tr>
<td>4.</td>
<td>Mr. Chandrakant Shinde, Grade 1 Teacher, Damodar Higher Secondary School, Margao Goa</td>
<td>Importance of Snake and First Aid at the time of Bite.</td>
</tr>
<tr>
<td>5.</td>
<td>Mr. Sam Braganza, Asst. Director, Directorate of Sports, Govt. College of Pernem Goa</td>
<td>Importance of Physical Fitness</td>
</tr>
<tr>
<td>7.</td>
<td>Mr. Manoj Karapurkar, Grade 1 Teacher, Govt. Higher Secondary School, Khandola-Goa</td>
<td>Importance of NSS</td>
</tr>
<tr>
<td>8.</td>
<td>PSI Kabir Shirgaonkar, PSI of Crime Branch, Raibandar Goa</td>
<td>Cyber Crimes</td>
</tr>
<tr>
<td>9.</td>
<td>Dr. Sandhya Kadam, Porvorim Goa</td>
<td>A Talk on Cancer Awareness</td>
</tr>
<tr>
<td>10.</td>
<td>Dr. Gauresh Ganjekar, Health Officer, Primary Health Centre, Sankhali-Goa</td>
<td>A Talk on TB Awareness</td>
</tr>
<tr>
<td>11.</td>
<td>Mr. Pankaj Satodkar, Yoga Trainer, Bicholim.</td>
<td>The practical session - Yoga</td>
</tr>
<tr>
<td>12.</td>
<td>Dr. Ramlal Vernekar, Directorate of Sports, C.S. College, Cuncolim Salcet Goa</td>
<td>Sports and Wellness</td>
</tr>
<tr>
<td>13.</td>
<td>Dr. Prathmesh Karpe, Lecturer in Shalya Shastra, Gomantak Ayurvedic College Shiroda Goa</td>
<td>Healthy Lifestyle for Young Generation</td>
</tr>
<tr>
<td>14.</td>
<td>Mr. Shivdas Chari, Lokvishwas Prathisthan, Special School, Marcela Goa</td>
<td>‘Lecture on Disability awareness’</td>
</tr>
<tr>
<td>15.</td>
<td>Mr. Adolph M.D. Castellino, Councillor</td>
<td>Stress Management</td>
</tr>
<tr>
<td>16.</td>
<td>PI Sudesh Naik, Ponda Police Station</td>
<td>Police for service in humanity</td>
</tr>
</tbody>
</table>
b) Community service:

The student NSS Volunteers from commerce participated in community work on Sundays at Sneha Mandir, an old age home, Sanjeevan, St Xavier School for deaf & dumb, Lokviswas prashtahan school for deaf & dumb, Karmali railway station, Govt Primary Health centre Betqui etc.

3 Extended Govt service:

Dr S.V.Sukthankar was appointed as master trainer to train election staff for conduct of Assembly election & loksabha election.

Dr S.V.Sukthankar was appointed as Officer for sealing & commencing of EVM for Assembly election & loksabha election

35. SWOT analysis of the department and future plans.

**STRENGTHS**

- Increasing student strength
- A substantially high gross enrolment ratio of ST/OBC students
- A large percentage enrolment of female students
- Experienced and qualified staff
- Research oriented faculty.
- Social Outreach /Community Service Programmes
- Participation in co-curricular and extra-curricular activities
- Latent leadership groomed for vertical mobility
- Teaching-Leaning: ICT Enabled
- Well equipped library with book bank facility.
- Healthy staff-management relations
- Orientation toward National priorities
- Open door policy towards admissions

**WEAKNESSES**

- Financial constraints
- Lack of sports facilities

A considerable number of faculty employed on contract and lecture basis********
Lack of industry-institution linkage.

**OPPORTUNITIES**
Expansion of academic programmes
Non-existence of any institution associated with tribal and deprivation studies in the entire state of Goa

**CHALLENGES**
Adapting to fixed and set curriculum of the affiliating university
Improving the teaching-learning outcomes
Placement of students in gainful employment
Optimal utilization of new campus
Improving Student-teacher ratio
Promoting use of staff expertise in consultancy

**FUTURE PLANS**
To start M.com.
To start research centre
To start BBA
To publish a research Journal.
To start Student consumer co-operative store.

---

3. Evaluative Report of the Departments

22. Name of the department: *Department of Computer Science*

23. Year of Establishment: *June 1991*
24. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

a) BSc (Computer Science)
   b) Courses offered
      i) Information Technology offered to B.A., BSc, BCom
      ii) Cyber Security offered to B.A., BSc, BCom.

25. Names of Interdisciplinary courses and the departments/units involved.
   i) Information Technology offered to Arts, Science and Commerce.
   ii) Cyber Security offered to B.A., BSc, BCom.

26. Annual/semester/choice based credit system (programme wise)
    BSc. Program is Semester system.

27. Participation of the department in the courses offered by other departments
    Information Technology and Cyber Security courses are taught by the Faculty of our
    department to the Commerce, Arts and other Science discipline.

28. Courses in collaboration with other universities, industries, foreign institutions, etc.
    Spoken Tutorial

29. Details of courses/programmes discontinued (if any) with reasons
    - Nil.

30. Number of Teaching posts

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>No. of Ph.D. Students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Sujata Gaonkar</td>
<td>M.C.A.</td>
<td>Assoc. Prof.</td>
<td>Computers</td>
<td>24 years</td>
<td>---</td>
</tr>
<tr>
<td>Ms. Anita Raicar</td>
<td>M.Sc</td>
<td>Assoc. Prof.</td>
<td>Electronics</td>
<td>20 years</td>
<td>-----</td>
</tr>
<tr>
<td>Name</td>
<td>Designation</td>
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<tr>
<td>Prof. Dr. V. V. Kamat</td>
<td>Professor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prof. Dr. P.R. Rao</td>
<td>Professor</td>
<td></td>
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<tr>
<td>Mr. Ramrao Wagh</td>
<td>Assoc. Prof.</td>
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<tr>
<td>Mr. Paresh Bene</td>
<td>Business Development Manager</td>
<td></td>
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</tbody>
</table>

29. List of senior visiting faculty

<table>
<thead>
<tr>
<th>Class</th>
<th>% of Lectures</th>
<th>% of Practicals</th>
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</thead>
<tbody>
<tr>
<td>BSc</td>
<td>20% lect./week</td>
<td>20% lect/week</td>
</tr>
<tr>
<td>SYBSc(Comp. Sc.)</td>
<td>20% lect./week</td>
<td>20% lect/week</td>
</tr>
<tr>
<td>TYBSc(Comp. Sc.)</td>
<td>40% # lect/week</td>
<td>40% # lect/week</td>
</tr>
<tr>
<td>FYBSc(I.T)</td>
<td>90% lect/week</td>
<td>All*</td>
</tr>
<tr>
<td>BA</td>
<td>100% lect/week</td>
<td>All*</td>
</tr>
<tr>
<td>BCom</td>
<td>90% lect/week</td>
<td>All*</td>
</tr>
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</table>

30. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

31. Teacher-Student Ratio (programme wise)

<table>
<thead>
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<th></th>
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<tbody>
<tr>
<td>FYBSc(Comp.Sc.)</td>
<td>1:8</td>
<td>1:6</td>
<td>1:10</td>
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<tr>
<td>SYBSc(Comp.Sc.)</td>
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<td>1:7</td>
<td>1:6</td>
<td>1:7</td>
<td>1:5</td>
<td>1:2</td>
</tr>
<tr>
<td>TYBSc(Comp.Sc.)</td>
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<td>1:4</td>
<td>1:3</td>
<td>1:3</td>
<td>1:2</td>
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<tr>
<td>FYBCom(I.T.)</td>
<td>1:54</td>
<td>1:44</td>
<td>1:68</td>
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<td>FYBA(I.T.)</td>
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<td>1:35</td>
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<td>FYBSc(I.T.)</td>
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<td>1:31</td>
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<td>1:34</td>
<td>1:63</td>
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</table>

32. Number of academic support staff (technical) and administrative staff; sanctioned and filled

<table>
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<tr>
<td>Technical</td>
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<td>Administrative</td>
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</tr>
</tbody>
</table>

33. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>No. of Ph.D. Students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Sujata Gaonkar</td>
<td>M.C.A.</td>
<td>Assoc. Prof.</td>
<td>Computers</td>
<td>24 years</td>
<td>---</td>
</tr>
<tr>
<td>Ms. Anita Raicar</td>
<td>M.Sc</td>
<td>Assoc. Prof.</td>
<td>Electronics</td>
<td>20 years</td>
<td>-----</td>
</tr>
<tr>
<td>Ms. Ana Gracy Fernandes</td>
<td>B.E. (Computer Engg.)</td>
<td>Asst. Prof.</td>
<td>Computers</td>
<td>20 years</td>
<td>----</td>
</tr>
<tr>
<td>Ms. Bharati Pathak</td>
<td>B.E.</td>
<td>Asst. Prof.</td>
<td>Computers</td>
<td>14 years</td>
<td>----</td>
</tr>
</tbody>
</table>

34. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

*Nil*

35. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

*Nil*

36. Research Centre /facility recognized by the University.  *Nil*

37. Publications: *Nil*

* 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
35. Areas of consultancy and income generated

Consultancy programmes such as web Development in Asp.Net, PHP, MySQL are conducted. Though there is no formal consultancy policy for the college we have offered training programmes in web development. Faculty member conducted a Certificate Course in Web development in ASP.NET and C# with SQL Server for the 24 students of the department and generated an income of Rs. 31,200/-. After all the expenditure an amount of Rs 14,750/- was the balance left which was credited to the College fund. The Course of 3 months duration was conducted from 11th Jan 2012.

Faculty member was involved in Training of staff as Master Trainer for Lok Sabha and Goa Assembly Election 24th Dec 2011 till 15th Jan 2012.
Members are involved in training the BDO’s and Panchayat members at GIRDA, OldGoa.

36. Faculty as members in:

a) National committees b) International Committees c) Editorial Boards....
   ➢ Member of Oracle Academic initiative
   ➢ Member of IBM academic initiative.
   ➢ Member of CSI-Goa Chapter

37. Student projects (TY 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
   The same students work in the computer and I.T industries for their project work such as Sesa Goa, Progen, Sai Service, Kadamba Transport Corporation.

38. Awards / Recognitions received by faculty and students

Faculty Recognition/Awards

2012-13
- One of the Faculty member, Ms. Sujata Gaonkar and students- Mr Godric Mattos and Vibhav Kuncolinkar were awarded the First place for developing a game in ALICE software by ORACLE India Ltd. - 9th Sept. 2013.

2013-14
- Two Faculty members of the department Ms Ana Gracy Fernandes and Ms Sujata Gaonkar, won the First place for a Case Study on “Common Services Centre” for a University Level Workshop to build awareness on e-Governance and National e-Governance Plan (NeGP) on 15th March 2013.

Students Recognition /Awards

2009-10
- Won the First place at All Goa InterCollegiate IT Quiz for Delta – CSI Goa Trophy held on 4th Dec 2009 organized by Govt. College, Sanquelim.

2010-11
- Participated in ‘IT-RIX’ an intercollegiate I.T. Festival conducted by Chowgule College, Margao held on 13th, 14th Jan 2011. Students won prizes at different events like Quiz, Debugging, Photography, Desktop Design etc.
- Participated in All India IT meet ‘INFOFEST 2011” organized by Dept. of Computer Science and Technology, Goa University on 10th to 12th Feb 2011 and First place in “Pic-xellence”. Second place for ‘Explorer’ event 3rd place for ‘Figure IT out’.
- Participated in ‘TORQUE’ an event organized by MESA at Goa Engg. College and won prizes held on 9th, 10th March 2011.

2011-12
- Won the First place for an event a’ TORQUE’ organized by Goa College of Engg. Farmagudi held on 11th Dec 2011 for ROBO Control.
- Won the First Place in Code Trek event at ‘SPECTRA 1.0’ organized by Damodar College, Margao.

2013-14
- Participated in ANDROBOOKS competition organized by P.G. Dept of Don Bosco Colleg, Panaji and won the First place for Android O.S Mobile Development competition. The First place winners students were selected for an Advanced Training at IIT, Hyderabad.
- Participated at an Inter-Collegiate National Level Technology Festival “NEOSIS ‘13” I.T. event and also won Second place for events like Config.Net, Do as Directed, Dr. Davgs. Etc.

2014-15
Students of Computer Science participated in Two day National Level Technology Festival (NEOSIS) and won in many events like Online Treasure Hunt, Scrabble etc. and were awarded Shield and Certificates. Held on 6th to 8th Dec 2014.

Participated and won the 3rd place, in an essay competition for College students for National Science Day held on 28th Feb. 2015 organized by State Council of Education Research & Training, Goa in collaboration with Dept. of Science and Technology and Environment, Govt. of Goa.

2015-16

Participated in an State Level IT event ‘COLOSSUS’ held on 12th and 13th Feb. 2016 and won First and Second place in events like ‘Crack the Code’, ‘Troubleshooting and Networking’ They were awarded with a Shield and Certificates.

Participated in State/Zonal Level Sports Event like Taekovade and won silver and bronze medal.

39. List of eminent academicians and scientists / visitors to the department

<table>
<thead>
<tr>
<th>Name of Resource Person</th>
<th>Designation or association</th>
<th>Topic Delivered</th>
<th>Date and Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Pranav Pai</td>
<td>CEO, Inventron</td>
<td>How Robot</td>
<td>27th August</td>
</tr>
<tr>
<td>Name</td>
<td>Organization</td>
<td>Topic</td>
<td>Date</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------------------------</td>
<td>-----------------------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Mrs. C. Latha</td>
<td>Canara bank, Manager</td>
<td>Cyber Security</td>
<td>7th Mar 2013</td>
</tr>
<tr>
<td>Mr. Saurabh Singh</td>
<td>Oracle Academy</td>
<td>Internet of Things</td>
<td>16th Jan 2015</td>
</tr>
<tr>
<td>Ms. Asheema Wattal</td>
<td>Oracle Academy</td>
<td>Analytics</td>
<td>21st Jan 2015</td>
</tr>
<tr>
<td>Mr. Ashish Sharma</td>
<td>Senior Manager, Information Security</td>
<td>Information Security (Online series of Lectures)</td>
<td>17th Mar 2015</td>
</tr>
<tr>
<td>Mr. Samir Shaik</td>
<td>Technical Delivery Manager</td>
<td>Design Patterns and software Testing</td>
<td>19th March 2015</td>
</tr>
<tr>
<td>Ms. Manognya Reddy</td>
<td>Oracle Campus Recruitment team, Oracle Academy</td>
<td>Girls in ICT Day Celebration (Virtual Seminar)</td>
<td>23rd April 2015</td>
</tr>
<tr>
<td>Adv. Asha Desai</td>
<td>Lawyer</td>
<td>Cyber Crime</td>
<td>14th March 2015</td>
</tr>
<tr>
<td>Mr. Paresh Bene</td>
<td>Business Development Manager</td>
<td>Hardware Maintenance and Troubleshooting and Cloud Technology</td>
<td>8th Feb 2016</td>
</tr>
<tr>
<td>Mr. Sagun Salgoankar</td>
<td>Founder and Director, TechnoWings</td>
<td>Cyber Security and Ethical Hacking</td>
<td>11th March 2016</td>
</tr>
</tbody>
</table>
### 30. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of the Course/programme (refer question no. 4)</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>*M</th>
<th>*F</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-11</td>
<td>FYBSc(Comp. Sc)</td>
<td>22</td>
<td>17*</td>
<td>05</td>
<td>12</td>
<td>95%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SYBSc(Comp. Sc)</td>
<td>19</td>
<td>19</td>
<td>10</td>
<td>09</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TYBSc(Comp. Sc)</td>
<td>18</td>
<td>18</td>
<td>09</td>
<td>09</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBCom(I.T.)</td>
<td>108</td>
<td>108</td>
<td>37</td>
<td>70</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBA(I.T.)</td>
<td>59</td>
<td>59</td>
<td>09</td>
<td>50</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBSc(I.T.)</td>
<td>34</td>
<td>34</td>
<td>06</td>
<td>38</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>2011-12</td>
<td>FYBSc(Comp. Sc)</td>
<td>22</td>
<td>12*</td>
<td>08</td>
<td>04</td>
<td>95%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SYBSc(Comp. Sc)</td>
<td>17</td>
<td>13#</td>
<td>04</td>
<td>09</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TYBSc(Comp. Sc)</td>
<td>19</td>
<td>19</td>
<td>10</td>
<td>09</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBCom(I.T.)</td>
<td>132</td>
<td>132</td>
<td>58</td>
<td>74</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBA(I.T.)</td>
<td>65</td>
<td>65</td>
<td>12</td>
<td>53</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBSc(I.T.)</td>
<td>29</td>
<td>29</td>
<td>05</td>
<td>24</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>2012-13</td>
<td>FYBSc(Comp. Sc)</td>
<td>21</td>
<td>20*</td>
<td>12</td>
<td>08</td>
<td>85%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SYBSc(Comp. Sc)</td>
<td>11</td>
<td>11</td>
<td>07</td>
<td>04</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TYBSc(Comp. Sc)</td>
<td>13</td>
<td>13</td>
<td>05</td>
<td>08</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBCom(I.T.)</td>
<td>204</td>
<td>204</td>
<td>103</td>
<td>101</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBA(I.T.)</td>
<td>70</td>
<td>70</td>
<td>22</td>
<td>48</td>
<td>95%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBSc(I.T.)</td>
<td>31</td>
<td>31</td>
<td>06</td>
<td>25</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>2013-14</td>
<td>FYBSc(Comp. Sc)</td>
<td>20</td>
<td>11*</td>
<td>06</td>
<td>05</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SYBSc(Comp. Sc)</td>
<td>14</td>
<td>14</td>
<td>08</td>
<td>06</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TYBSc(Comp. Sc)</td>
<td>11</td>
<td>11</td>
<td>05</td>
<td>06</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBCom(I.T.)</td>
<td>118</td>
<td>118</td>
<td>54</td>
<td>64</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBA(I.T.)</td>
<td>70</td>
<td>70</td>
<td>22</td>
<td>48</td>
<td>95%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBSc(I.T.)</td>
<td>39</td>
<td>39</td>
<td>07</td>
<td>32</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>2014-15</td>
<td>FYBSc(Comp. Sc)</td>
<td>03</td>
<td>03</td>
<td>03</td>
<td>00</td>
<td>95%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SYBSc(Comp. Sc)</td>
<td>09</td>
<td>09</td>
<td>04</td>
<td>05</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TYBSc(Comp. Sc)</td>
<td>09</td>
<td>09</td>
<td>05</td>
<td>04</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FYBCom(I.T.)</td>
<td>71</td>
<td>71</td>
<td>28</td>
<td>43</td>
<td>85%</td>
<td></td>
</tr>
</tbody>
</table>
Details of last 3 batches of students

<table>
<thead>
<tr>
<th>Year</th>
<th>2012-13</th>
<th>2013-14</th>
<th>2014-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admitted to the programme (entry level)</td>
<td>21</td>
<td>20</td>
<td>03</td>
</tr>
<tr>
<td>Dropout *</td>
<td>1</td>
<td>09</td>
<td>00</td>
</tr>
<tr>
<td>Appeared for the final exam</td>
<td>13</td>
<td>11</td>
<td>09</td>
</tr>
<tr>
<td>Passed in the final exam</td>
<td>13</td>
<td>11</td>
<td>09</td>
</tr>
<tr>
<td>Passed in First Class/Distinction</td>
<td>12</td>
<td>10</td>
<td>08</td>
</tr>
</tbody>
</table>

27. Diversity of Students

<table>
<thead>
<tr>
<th>Year</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from Abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY</td>
<td>SY</td>
<td>TY</td>
</tr>
<tr>
<td>2010-11</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>2011-12</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>
31. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

N.A.

31. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>95%</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>N.A.</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>N.A.</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

Employed

- □ Campus selection
- □ Other than campus recruitment 100%

Entrepreneurship/Self-employment 5%

43. Details of Infrastructural facilities

a) Library
   No departmental Library. Common College Library.
   - Books for the department in the Library: 1040
   - Journals/periodicals subscribed by the dept.: 03
   - Journals/periodicals (multidisciplinary): 04

b) Internet facilities for Staff & Students
   - Number of computers in the department: 22
   - Number of computers with Internet facility: 02

c) Class rooms with ICT facility: All classrooms have ICT facility

d) Laboratories: 2 labs that cater to Computer Science Students as well as Information Technology (F.C.) subject to First Year Arts, Commerce and Science. The laboratory is made available to the TY students of Commerce for conducting “Tally” practicals. Also one I.T. Lab infrastructure is ready but waiting for equipments from the
higher ups.

44. Number of students receiving financial assistance from college, university, government or other agencies
   
   Financial assistance from Goa Govt.

45. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
</tr>
</thead>
</table>
| 2010-11 | 1. Our students have cleared bank exams, Microsoft and Linux exams  
2. Conducted Certificate Course on PHP and MySQL from 10th May 2010 to 5th June 2010. |
| 2011-12 | 1. Monthly Offline session by experts in computer subject’s thro’ NPTEL (Educational Gateway develop by IIT Mumbai) by faculty from IIT.  
2. Certificate course in ASP.NET of 3 months duration was conducted from 11th Jan 2012.  
3. Industrial Visit to DIGISOL, Verna on 2nd Dec 2011 |
| 2013-14 | 1. Guest Lecture with Firefox team – 13th July 2013  
3. Training Program in ALICE software to develop games – 8th, 9th March 2013  
4. Training Program on computerized assembly and production at international toy manufacturing funskool company - 26th Oct 2013  
5. Industrial visit to NIO, Dona Paula on 5th March 2014 |
3. Code Java Together – Green foot Gaming Workshop conducted by Oracle Academy -  
4. Guest Lecture of Cyber Crime to create awareness among students-14th Mar 2015 |
### 2015-16

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. March</td>
<td>Guest Lecture by one of our Ex-student now working as Technical Delivery Manager having 10 years experience in I.T. industry share his experience and delivered a Lecture on Design Patterns on 19th March 2015</td>
</tr>
<tr>
<td>23rd April</td>
<td>Virtual Seminar for Girls students on “Girls in ICT Day Celebration” by Oracle Campus Recruitment team- 23rd April 2015</td>
</tr>
<tr>
<td>4th Dec</td>
<td>Students participated in a 10 days Certificate Course in Network Management in Network Security and Hacking Ethics. The Resource person Dr. Swapan Purkait, Director of NETTECH Pvt. Ltd. shared his vast knowledge in the subject by conducting Practical and Theory Sessions which was held from 4th to 12th Dec 2015</td>
</tr>
<tr>
<td>8th Jan</td>
<td>Participated in IT Quiz on 8th Jan 2016 organized by Damodar College, Margao.</td>
</tr>
<tr>
<td>8th Feb</td>
<td>Workshop on “Hardware Maintenance and Troubleshooting and Cloud Computing” held on 8th Feb 2016.</td>
</tr>
<tr>
<td>10th March</td>
<td>Industrial Visit to D Link India Pvt. Ltd. Was organized and the students gain knowledge about various types of equipments manufactured and stored like LAN cables, different types of modems, switches etc. on 10th March 2016</td>
</tr>
<tr>
<td>11th March</td>
<td>Guest Lecture on “Cyber Security and Ethical Hacking” was organized by the dept. on 11th March 2015, in the view of growing number of Cyber Crimes and the youth being victimized today.</td>
</tr>
<tr>
<td>8th to 14th March</td>
<td>Short Term Certificate Computer Course under NDLM(National Digital Literacy Mission) was organized in association with an NGO-Late Shri Raghunandan Mishra Siksha Prasaan Samitte. Conducted an IT training for the FY-BA/BCom/BSc students from 8th to 14th March 2016 and then the students were examined online and were awarded Certificates by the National Institute of Electronics and Information Technology, Govt. of India.</td>
</tr>
</tbody>
</table>

46. Teaching methods adopted to improve student learning

- Conducts Field trips to I.T. companies to get the industrial implementation of what is learnt in academics.
- Conducts Quizzes, assignments, class seminars, surprise tests and presentations on new trends of technology using the principles learnt in the syllabus.
- ICT tools used for better understanding of the topic like animation for better visuals.
- Subject experts are invited from industry to fill the gap between industry needs and curriculum design.
- Short term Certificate Courses are conducted
- Solving question papers
✓ Subject is taught as per industry requirements and application oriented concepts are delivered to get better understanding of the subject.
✓ Teachers participate in Seminars, Short Term Courses and Conferences to update their knowledge like Short Term Course in Cyber Security, Database Design and Programming.
✓ Certificate is awarded to the First Year students of other discipline who successfully complete their Practical in Information Technology after assessing them by conduct of practical exam.

47. Participation in Institutional Social Responsibility (ISR) and Extension activities

<table>
<thead>
<tr>
<th>2010-11</th>
<th>Faculty members were involved in Computer Training Program for the Technical/Administrative staff of the College from 9th April 2011 to 16th April 2011.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Promoted Voluntary blood donation awareness campaigns (Goa State Aids Control Society, Govt. of Goa.- 31st Oct 2011)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>2011-12</td>
<td>Conducted Awareness program on Vector borne disease TB, HIV/AIDS in collaboration with Directorate of Health Services, Govt. of Goa – 23rd June 2011</td>
</tr>
<tr>
<td></td>
<td>Faculty member is a Nodal officer for All India Survey for Higher Education.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>2012-13</td>
<td>Collaborated with HDFC, ICICI, CANARA Bank and Pharma Industries for placements for the Final year Students.- 15th March 2013</td>
</tr>
<tr>
<td></td>
<td>Faculty member is a Nodal officer for All India Survey for Higher Education.</td>
</tr>
<tr>
<td></td>
<td>Sensitization programs on yoga and meditation are conducted in schools and Colleges- 3rd Dec 2013.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>2013-14</td>
<td>Sensitization programs on yoga and meditation are conducted in schools and Colleges- 24th Aug 2013.</td>
</tr>
<tr>
<td></td>
<td>Provided infrastructure to conduct online examination for competitive exam KIITEE- 25th, 26th Feb2014</td>
</tr>
<tr>
<td></td>
<td>Faculty Nodal officer for All India Survey for Higher Education.</td>
</tr>
<tr>
<td></td>
<td>Campus Recruitment drive by WIPRO for TYBSc students held on 22nd March 2014</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-15</td>
<td>Faculty members have worked in various committees constituted by the College in position as Chairperson and members in committees like Examination, Inventory, Science Association, and other co-curricular and extra-curricular activities</td>
</tr>
<tr>
<td></td>
<td>Suggested interdisciplinary courses to enhance research scope to the Members of University Board of Studies</td>
</tr>
<tr>
<td></td>
<td>Faculty member is a Nodal officer for All India Survey for Higher Education.</td>
</tr>
</tbody>
</table>
Education

2015-16

- Faculty member was involved in preparation of SWEEP activities and collection of data for young Electorals i.e. F.Y students of all streams from June, July 2015, which was then submitted to the Office of Deputy Collector and S.D.O. Ponda Sub-division.
- Organized Industrial visit to DLink India Pvt. Ltd, Verna on 10th March 2016
- Collaborated in conduction of training programme under the Mission of National Digital Literacy Programme in association with an NGO and Students’ Council of the College. The students are to be awarded with Certificate by National Institute of Electronic and Information Technology, Govt. of India on completion of practical exam to be conducted in the College.
- Faculty member is a Nodal officer for All India Survey for Higher Education

Other Unique Achievements of the Department:

- 100% results in final year
- First rank among other TYBSC students of other discipline of the College for past 2 consecutive years and also previous years.
- Passed out students working in multinational /national companies.
- Students participate in intercollegiate competition related to Information Technology and also won prizes for the same.
- Interaction with Alumni students working in esteem firms helps students in gaining employment as well as suggesting skills to be developed to be on par with the dynamic employment market.

48. SWOC analysis of the department and Future plans

STRENGTH

- Well qualified and experienced staff
- Teaching Learning- ICT enabled
- 100% results at Third Year University Exam
- Students participate in co-curricular and extra-curricular activities winning prizes and medals
- Interaction with Alumni students working in esteem firms helps present students in gaining employment as well as suggesting skills to be developed to be on par with the dynamic employment market.
- Students pursue Higher Education by clearing All India Competetive Exam.

WEAKNESS

- Financial constraint to buy new hardware and software to upgrade the lab
facilities.
- Lack of Industry-department interaction to provide training for students.

OPPORTUNITIES
- Interdisciplinary Course
- Skill based courses

CHALLENGES
- Bridging the gap between industry advancement and syllabus of the programme conducted.

Future plan

✓ Networking Certificate Course by D Link India Pvt. Ltd. By setting up centre in the College to conduct the course where faculty will be trained to take up the course.
✓ Interdisciplinary course to have better research scope for the students.
✓ Specialization Certificate Courses so that student get better employment opportunities.
✓ MOU with I T industries for hands on training for students.
✓ Collaboration with National labs for research and expertise.
✓ Faculties going for research and further studies.

3. Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

9. Name of the department: **English**

10. Year of Establishment: **1989**

11. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : Undergraduate B.A.English (3 Units) Foundation Course papers, English Elective papers at Semester I,II,III,IV.

   **Courses Offered:-**
   - B.A. : (i) Compulsory English
     (ii) Elective English
   - B.Sc. : Spoken and Written English
   - B.Com.: Business and Public Communication

12. Names of Interdisciplinary courses and the departments/units involved:
I) Foundation Course Papers viz.

Commerce Faculty
 a) Spoken & Written English
 b) Business & Public Communication

II) Science Faculty

 a) Spoken & Written English
 b) Communication Skills & English through Literature

13. Annual/ semester/choice based credit system (programme wise):

<table>
<thead>
<tr>
<th>Programme</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A.</td>
<td>Semester</td>
</tr>
<tr>
<td>B.Sc.</td>
<td>Semester</td>
</tr>
<tr>
<td>B.Com.</td>
<td>Semester</td>
</tr>
</tbody>
</table>

14. Participation of the department in the courses offered by other departments:

- U.G. paper in Science – Department of Computer Science (Spoken and Written English)
- U.G. paper in Commerce – Department of Commerce (Business and Public Communication)

15. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NIL**

16. Details of courses/programmes discontinued (if any) with reasons: **NIL**

17. Number of Teaching posts

<table>
<thead>
<tr>
<th>Grade</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>Two</td>
<td>One</td>
</tr>
<tr>
<td>Asst. Professor</td>
<td>Two</td>
<td>Two</td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of years of Experience</th>
<th>No. of Ph.D students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Isabel Dennis</td>
<td>M.A., B.Ed., M.Phil., Ph.D.</td>
<td>Associate Professor</td>
<td>English Literature</td>
<td>24 Years</td>
<td>NIL</td>
</tr>
<tr>
<td>Dr. Lopamudra Bhattacharyya</td>
<td>M.A., B.Ed., M.Phil., Ph.D.</td>
<td>Assistant Professor</td>
<td>English Literature</td>
<td>04 Years</td>
<td>NIL</td>
</tr>
<tr>
<td>Ms. Nafisa Oliveira</td>
<td>M.A. English Lit., L.L.B. SET (English)</td>
<td>Assistant Professor</td>
<td>English Literature</td>
<td>03 Years</td>
<td>NIL</td>
</tr>
</tbody>
</table>

20. List of senior visiting faculty:
   a) Dr. Kiran Budkuley, Dean of Languages and HOD of English, Goa University.
   b) Dr. Rafael Fernandes, Associate Professor, Department of English, Goa University.
   c) Ms. Sharmila Veloso, Ex-faculty of Nirmala Institute of Education, Altinho.

21. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: (2014-15) (Include only lecture basis faculty)

<table>
<thead>
<tr>
<th>Programme</th>
<th>Student – Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A.</td>
<td>66%</td>
</tr>
<tr>
<td>B.Com.</td>
<td>50%</td>
</tr>
<tr>
<td>B.Sc.</td>
<td>50%</td>
</tr>
</tbody>
</table>

22. Student -Teacher Ratio (2015-16-programme wise):

<table>
<thead>
<tr>
<th>Programme</th>
<th>Student – Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.Y.B.A. (A)</td>
<td>57 : 1</td>
</tr>
<tr>
<td>F.Y.B.A. (B)</td>
<td>28 : 1</td>
</tr>
<tr>
<td>Course</td>
<td>Ratio</td>
</tr>
<tr>
<td>------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>F.Y.B.A. (Major Paper)</td>
<td>44 : 1</td>
</tr>
<tr>
<td>S.Y.B.A.</td>
<td>44 : 1</td>
</tr>
<tr>
<td>S.Y.B.A. (Major Paper)</td>
<td>21 : 1</td>
</tr>
<tr>
<td>T.Y.B.A. (Unit – 1)</td>
<td>15 : 1</td>
</tr>
<tr>
<td>T.Y.B.A. (Unit – 2)</td>
<td>15 : 1</td>
</tr>
<tr>
<td>T.Y.B.A. (Unit – 3)</td>
<td>15 : 1</td>
</tr>
<tr>
<td>F.Y.B.Com. (A)</td>
<td>48 : 1</td>
</tr>
<tr>
<td>F.Y.B.Com. (B)</td>
<td>49 : 1</td>
</tr>
<tr>
<td>S.Y.B.Com. (A)</td>
<td>36 : 1</td>
</tr>
<tr>
<td>F.Y.B.Sc.</td>
<td>18 : 1</td>
</tr>
<tr>
<td>S.Y.B.Sc.</td>
<td>31 : 1</td>
</tr>
</tbody>
</table>

23. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NIL**

24. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. :
   1. Dr. Isabel Dennis - M.Phil., Ph.D.
   2. Dr. Lopamudra Bhattacharyya – M.Phil., Ph.D.

25. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **NIL**

26. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**

27. Research Centre /facility recognized by the University: **No**

28. Publications: **NIL**
   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
SNIP
SJR
Impact factor
h-index

22. Areas of consultancy and income generated: **NIL**

23. Faculty as members in
   a) National committees: **NIL**
   b) International Committees: Member of International Council of Canadian Studies.
   c) Editorial Boards:
      1) Chief Editor of College Magazine ‘Mahashala’.
      2) Chief Editor of Research Journal ‘Khoj’.
      3) Member of Editorial Board ‘Govapuri’ Institute of Menezes Braganza, Panaji-Goa.

23. Student projects
   c. Percentage of students who have done in-house projects including inter departmental/programme: 100%. All T.Y. students in Semester V and VI are offered project paper of 100 marks which is evaluated by both internal and external examiners.

<table>
<thead>
<tr>
<th>Programme (Projects) (2015-16)</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploring Psychological Challenges in English Literature</td>
<td>2%</td>
</tr>
<tr>
<td>Paranormal Literature- Had it increased Reading Habit among Teens</td>
<td>2%</td>
</tr>
</tbody>
</table>

d. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: **NIL**

25. Awards / Recognitions received by faculty and students: **NIL**

26. List of eminent academicians and scientists / visitors to the department: **NIL**
27. Seminars/Conferences/Workshops organized & the source of funding

c. National: **NIL**
d. International: **NIL**

30. Student profile programme/course wise:

   In respect of the Commerce Stream applications are received by the College and Students are allotted on the basis of their preference. No separate quota for the Department in F.Y.B.Sc., only Computer Science students opt for English and S.Y.B.Sc. (CPM group) take up English. All the students admitted in Arts Stream take English for the first 4 semesters. T.Y.B.A. who opt for three units take up English Literature in Semester V & VI.

T.Y.B.A. pass percentage of 5 years. (English 3 Units)

<table>
<thead>
<tr>
<th>Year</th>
<th>Application Received</th>
<th>Selected</th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
<th>Pass Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>4</td>
<td>4</td>
<td>100%</td>
</tr>
<tr>
<td>2012-13</td>
<td>7</td>
<td>7</td>
<td>0</td>
<td>7</td>
<td>7</td>
<td>100%</td>
</tr>
<tr>
<td>2013-14</td>
<td>16</td>
<td>16</td>
<td>0</td>
<td>16</td>
<td>16</td>
<td>100%</td>
</tr>
<tr>
<td>2014-15</td>
<td>11</td>
<td>11</td>
<td>3</td>
<td>8</td>
<td>11</td>
<td>100%</td>
</tr>
<tr>
<td>2015-16</td>
<td>15</td>
<td>15</td>
<td>1</td>
<td>14</td>
<td>15</td>
<td>100%</td>
</tr>
</tbody>
</table>
27. Diversity of Students: (2015-16)

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS</td>
<td>98%</td>
<td>2%</td>
<td>NIL</td>
</tr>
<tr>
<td>COMMERCE</td>
<td>98%</td>
<td>2%</td>
<td>NIL</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>99%</td>
<td>1%</td>
<td>NIL</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc… : NIL

96 NAAC for Quality and Excellence in Higher Education
29. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Year</th>
<th>No. of Students</th>
<th>No. of Students</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>2013-2016</td>
<td>1</td>
<td>1</td>
<td>Approximately 1% to 2% every year</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Employed**
- Campus selection
- Other than campus recruitment

Most of our students are employed as Asst. Teachers in schools, Grade I Teachers in Higher Secondaries because of the specialization available in the subject in our College. Some are even working as Lawyers, Reporters & Journalists, Secretaries to Companies etc.

**Entrepreneurship/Self-employment**
30. Details of Infrastructural facilities

e. Library: Yes
   - Total Number of books (English) - 1307
   - Rare Collection (English Literature) - 2277

f. Internet facilities for Staff & Students: Yes

g. Class rooms with ICT facility: Yes

h. Laboratories: N.A.

36. Number of students receiving financial assistance from college, university, government or other agencies:

| English (Elective) – Post Matric Scholarship |
|----------------------|------|------|
|                      | SC   | ST   | OBC |
| F.Y.B.A.             |      |      |     |
| S.Y.B.A.             |      |      | 1   |
| T.Y.B.A.             |      | 1    |     |

37. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Talks by eminent personalities are arranged for students. They are also encouraged to participate in Seminars and Workshops organized by this Institution, other Institutions and agencies.

38. Teaching methods adopted to improve student learning: Remedial classes for students with poor subject proficiency, pair based work, group discussions, presentations, regular tests, list of reading material made available, use of multi-media wherever possible. Students are motivated to do reference work and make use of the library facilities. They gain mastery in the skills of Spoken English. They are well equipped to take part in debates, elocutions etc. They also develop a sense of critical thinking. Mock Interviews, Telephone Conversations, On the Spot Conversations, Presentations are conducted and tested.

39. Participation in Institutional Social Responsibility (ISR) and Extension activities: The students are encouraged to discuss and debate current social issues published in the newspapers in the classroom. They are also motivated to participate in programmes/competitions/street plays organized to create awareness and sensitization vis-à-vis social issues through NSS, rallies organized by various departments, Alumni, etc.

Ms. Anita Jacob has been a resource person in English language for Japanese students of Study India Programme (SIP) at Goa University.

Ms. Anita Jacob was programme officer for NSS for the academic year 2011-12.
SWOC analysis of the department and Future plans

a) Strengths
- Qualified, Experienced and Dedicated staff.
- Good Collection of Books.
- ICT/ Smart Classrooms.
- Good students.

b) Opportunities
- To start B.A. (six units) in English Literature.
- To start certificate & value added course for students.

c) Weakness
- No certificate courses.
- Staff involved in multi-tasking.
- Full time faculty required.
- Visit of expertise in the subject was limited due to financial crunch.

d) Concerns
- Absence of sufficient full time teaching & non-teaching staff.
- Students do not communicate in English and hence they cannot develop better communication skills (speaking and writing).

e) Future Plans
- B.A. Programme (six units in English)
- To organize programmes to help the students to develop their writing and speaking skills.
- Invite resource persons to develop the creative writing skills of the students.
- Publications
- Research Projects

NAAC for Quality and Excellence in Higher Education
Evaluative Report of the Department
Konkani Department

31. Name of the department : Konkani

32. Year of Establishment : 1989

33. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :
   UG : BA Konkani(3 units)

34. Names of Interdisciplinary courses and the departments/units involved : NIL

35. Annual/ semester/choice based credit system (programme wise) :
   B.A: Semester

36. Participation of the department in the courses offered by other departments : N.A.

37. Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL

38. Details of courses/programmes discontinued (if any) with reasons : NIL

39. Number of Teaching posts

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>_____</td>
<td>______</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>(Contract &amp; lecture Basis)</td>
<td>( Contract &amp; Lecture Basis)</td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years Experience</th>
<th>No. of Ph.D. Students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prakash R. Vazrikar</td>
<td>M.A. Konkani/ Marathi, M.A. Philosophy, Ph.D. Konkani</td>
<td>Associate Professor</td>
<td></td>
<td>25</td>
<td>NIL</td>
</tr>
<tr>
<td>Naresh C. Naik</td>
<td>M.A Konkani NET with JRF</td>
<td>Assistant Professor</td>
<td></td>
<td>06</td>
<td>NIL</td>
</tr>
<tr>
<td>Vaishali Parab</td>
<td>M.A Konkani NET with JRF</td>
<td>Assistant Professor</td>
<td></td>
<td>01</td>
<td>NIL</td>
</tr>
</tbody>
</table>

38. List of senior visiting faculty:

NIL

39. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

**B.A 27 Lectures (84.3%)**

40. Student -Teacher Ratio (programme wise)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>T.Y.B.A</td>
<td>11:2</td>
<td>6:2</td>
<td>10:2</td>
<td>6:3</td>
<td>5:3</td>
</tr>
</tbody>
</table>

41. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

NIL

42. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. :

Ph.D.

43. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

NIL

44. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

UGC

45. Research Centre/facility recognized by the University:
46. Publications:

a) Publication per faculty:

**Books Published:**

- Ani Ek Buto Fullo (Play – Konkani)- 2nd Edition
  (आणि एक बुटो फुलो – कोणकणी)

- Ghattan Konachem? (Play – Konkani)
  (घटणं कोनाचेम? – कोणकणी)

- To Ek Dis (Play – Konkani)
  (तो एक दिस – कोणकणी)

- Saad Antarmanacho (Play – Konkani)
  (सातु अंतरमानाचो – कोणकणी)

- The Riot to Vote (Play – Konkani)
  (आंदोलन आणि वोट – कोणकणी)

- Vajraghat (literary Criticism Konkani)
  (वज्रघड – कोणकणी)

- Karbari Konkani (Co- writer) (Functional Konkani)
  (कार्यकर्ती कोणकणी – कोणकणी)

**Research Papers Published**

1. कोंकणी रंगमाची- आधुनिक स्थिती – खोज सरकारी महाविद्यालय, खांडोळे. - 2010

2. समकालीन कोंकणी नाटक – समकालीन भारतीय साहित्य संप्रक्षवीनी विराश. - 2013

  प्रा. अकल्पिता देसाय
  गुणाजी देसाय
  डॉ. हनुमंत चोपडे कर

3. रायटर आणि फायटर रविद्र केळेकार 2013
Mr. Naresh Naik

- ‘Gaavmann’
  ‘Gaavmann’ a Short Story Book Published in 2010.
- Articles, Short Stories published in magazines and Newspapers.

* Number of papers published in peer reviewed journals (national / international) by faculty and students
40. Areas of consultancy and **income generated**:  

41. **Faculty as members in**:  
   NIL  
   a) National committees b) International Committees c) Editorial Boards….  
   
   • Ex- member of the Advisory Committee (Konkani)-sahitya Akademi- Delhi  
   • Ex – member of the Executive Board of Goa Konkani Akademi Goa for two terms.  

**Member of Advisory board (Language Research) at World Konkani Centre, Mangalore.**  

42. **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

43. Awards / Recognitions received by faculty and students :

**Honors / Fellowship/ Awards etc**

“A”

2. Awarded “Lt. Narciv Damodar Nayak Award”
3. Awarded “Lt. Sadanand Khanolkar Literary Award”
   Awarded “D.D kossambe Sr. fellowship of Department of Arts and Culture, Government of Goa for the study on “, 2010.

**Prizes for State level Dramma Competitions**
Organized by Kala – Akademi, Goa. Sankalp theatre, Churchorem & Rajiv Gandhi Kala Mandir, Ponda
For the Best Script Writer.

<table>
<thead>
<tr>
<th>Sr. no</th>
<th>Name of the Drama</th>
<th>Language</th>
<th>Institution</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ani Ek Buto Fullo</td>
<td>Konkani</td>
<td>K. A.</td>
<td>First</td>
</tr>
<tr>
<td>2.</td>
<td>Ghattan Konachem</td>
<td>Konkani</td>
<td>K. A.</td>
<td>First</td>
</tr>
<tr>
<td>3.</td>
<td>Kani Tashi Junich Pun</td>
<td>Konkani</td>
<td>K. A.</td>
<td>First</td>
</tr>
<tr>
<td>4.</td>
<td>Saad Antar Manacho</td>
<td>Konkani</td>
<td>K. A.</td>
<td>First</td>
</tr>
<tr>
<td>5.</td>
<td>Ani Ek Prasna Parva</td>
<td>Konkani</td>
<td>K. A.</td>
<td>First</td>
</tr>
<tr>
<td>6.</td>
<td>Ethe Ethe Pani</td>
<td>Marathi</td>
<td>K. A.</td>
<td>First</td>
</tr>
<tr>
<td>7.</td>
<td>To Ek Dis</td>
<td>Konkani</td>
<td>K. A.</td>
<td>First</td>
</tr>
<tr>
<td>8.</td>
<td>Discharge Summary</td>
<td>Konkani</td>
<td>Rajiv Kala Mandir, Ponda</td>
<td>First</td>
</tr>
<tr>
<td>10.</td>
<td>Ani Ek Prasna Parva</td>
<td>Konkani</td>
<td>Sankalp Theatre,</td>
<td>First</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
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<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Partiche Vater</td>
<td>Konkani</td>
<td>Sankalp Theatre, Curchorem</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Dakhonm Tumka?</td>
<td>Konkani</td>
<td>Sankalp Theatre, Curchorem</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>The Riot to Vote</td>
<td>Konkani</td>
<td>Sankalp Theatre, Curchorem</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Homkand</td>
<td>Konkani</td>
<td>K. A.</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>Ek matacha Raja</td>
<td>Marathi</td>
<td>K. A.</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>Gav Khali Karnyacha Bhonga</td>
<td>Marathi</td>
<td>K. A.</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>Aut de Fe</td>
<td>Konkani</td>
<td>K. A.</td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>Anand Mathi</td>
<td>Konkani</td>
<td>K. A.</td>
<td></td>
</tr>
</tbody>
</table>

Mr. Naresh C. Naik, Assistant Professor

- Awarded by Sahitya Akademi Yuva Puraskar in 2014.
- Received Gold Medal for M.A in Konkani at Goa University.
- Awarded by Konkani Bhasha Mandal’s Shikshanik Puraskar for standing First in MA(Konkanî)
- Felicitated by Mallikarjun College, Canacona for standing First in BA & MA.
- Received a Travel Grant from Sahitya Akademi, New Delhi.

Miss. Vaishali V. Parab, Assistant Professor & Ex-student
- Secured Third Place in All Goa Inter-Collegiate quiz competition organized by Konkani Bhasha Mandal, Madgaon and Father Agnel College, Pilar in the year 2013.
- Secured Fourth Place in All Goa Inter-Collegiate quiz competition organized by Konkani Bhasha Mandal, Madgaon.
- Secured Second Place in All Goa Inter-Collegiate quiz competition organized by Antruz Ghudyo, Bandora.
- Secured Third Place in quiz competitions organized by 2nd Sadhana Sahitya Sammelan.
- Secured Third Place in Marathi Poetry Reciting competition organized by C.E.S College of Arts and Science, Cuncoliem.
- Secured Bronze Medal for Judo organized by Goa University in the year 2010-11 and 2011-12.
- Awarded for being best NSS Volunteer for three continues years.
- Awarded as a Best Student of the year 2011-2012.
- Awarded as a Best Sports Volunteer of the year 2011-2012.

44. List of eminent academicians and scientists / visitors to the department
NIL
31. Seminars/Conferences/Workshops organized & the source of funding

a) National: NIL

b) International: NIL

32. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme (refer question no. 4)</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYBA 2012-13</td>
<td>17</td>
<td>3</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>SYBA</td>
<td>07</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TYBA</td>
<td>10</td>
<td>1</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>FYBA 2013-14</td>
<td>07</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SYBA</td>
<td>16</td>
<td>2</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>TYBA</td>
<td>6</td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>FYBA 2014-15</td>
<td>06</td>
<td>2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SYBA</td>
<td>06</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TYBA</td>
<td>10</td>
<td></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>FYBA 2015-16</td>
<td>16</td>
<td>5</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>SYBA</td>
<td>05</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TYBA</td>
<td>6</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FYBA 2016-17</td>
<td>31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYBA</td>
<td>14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TYBA</td>
<td>05</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*M = Male  *F = Female

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYBA</td>
<td>100%</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-----</td>
<td>-----</td>
<td>----</td>
</tr>
<tr>
<td>SYBA</td>
<td>100%</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>TYBA</td>
<td>60%</td>
<td>40%</td>
<td>NIL</td>
</tr>
</tbody>
</table>

32. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?  
02 NET with JRF
32. **Student progression**

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td></td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>NIL</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>NIL</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>NIL</td>
</tr>
<tr>
<td>Employed</td>
<td>01</td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/Self-employment</td>
<td></td>
</tr>
</tbody>
</table>

49. **Details of Infrastructural facilities**

a) Library: No. of Books – 812

b) Internet facilities for Staff & Students

c) Class rooms with ICT facility:
   YES

d) Laboratories:
   NIL

50. **Number of students receiving financial assistance from college, university, government or other agencies:**

51. **Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:**

52. Teaching methods adopted to improve student learning
   ICT Lessons/Powerpoint lessons & Devnagri typing

53. **Participation in Institutional Social Responsibility (ISR) and Extension activities**

54. **SWOC analysis of the department and Future plans**
   - Department strength
   - Qualified & experienced faculty

   **Weakness**
   - Low enrollment
- Rural Background

**Opportunity**
- M.A, Ph.D, B.Ed

**Challenges**
- Journalism & Media Channels

**Future Plan**
- Ph.D Research center & Six units, Center for Official Language training
Evaluative Report of the Department
Department of Psychology

18. Name of the department:
Psychology

19. Year of Establishment:
1990

20. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D.,
Integrated Masters; Integrated Ph.D., etc.):
Under Graduate Courses for Arts and Commerce: B.A. in Psychology

21. Names of Interdisciplinary courses and the departments/units involved
- Gender Studies: Department of Psychology
- Self Development: Department of Psychology

22. Annual/ semester/choice based credit system (programme wise):

**B.A. Programme**

B.A. Semester I and II: Fundamentals of Psychology-Paper I and II
B.A. Semester III: Social Psychology-Paper III
B.A. Semester IV: Psychology of Adolescence – Paper IV
B.A. Semester V: Criminal Psychology - Paper V
   Health Psychology - Paper VI
   Abnormal Psychology I – Paper VII
B.A. Semester VI: Statistics - Paper VIII
   Organizational Behaviour -Paper IX
   Abnormal Psychology II - Paper X

23. Participation of the department in the courses offered by other departments
   Nil

24. Courses in collaboration with other universities, industries, foreign institutions, etc.
25. Details of courses/programmes discontinued (if any) with reasons:

Nil

26. Number of Teaching posts

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assistant Professors</td>
<td>1 Contract Basis</td>
<td>1 Contract Basis</td>
</tr>
<tr>
<td></td>
<td>1 Lecture basis</td>
<td>1 Lecture basis</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Professors</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

12. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M. Phil. etc..)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of years of Experience</th>
<th>No. of Ph.D students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Mahesh Pai</td>
<td>Ph.D.</td>
<td>Associate Professor</td>
<td>Industrial Psychology</td>
<td>25 Years</td>
<td>NIL</td>
</tr>
</tbody>
</table>

29. List of senior visiting faculty:

- Prof Newman Fernandes, Dean, SHIATS University, Allahabad
- Dr B. A. Gomes, Ex Principal, Govt College, Quepem
- Dr Aldina Gomes, Head, Dept of Psychology, Carmel College
- Mrs Kavita Borkar, Head, Dept of Psychology, Chowgule College
30. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

31. Student - Teacher Ratio (programme wise)
Arts: 127: 3

32. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
Nil

33. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
Dr Mahesh Pai
Associate Professor of Psychology
M.A., Ph.D., Diploma in HIV/AIDS related Counseling from SIAAP

34. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received
Nil

35. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received
Nil

36. Research Centre /facility recognized by the University:
Affiliated to Goa University.

a) Publication per faculty

Dr Mahesh Pai, Associate Professor of Psychology

Research Papers Published in Reputed Journals

1. Dr Christina De Souza and Dr Mahesh Pai (2010), Climate Change: Measures of Mitigation and Implications of Commitments to Climate Change Policy for
India, *University News (Special Issue)*, June, Vol. 48 No. 24, Pgs. 131-134, ISSN 0566-2257.


Research Paper Published in Edited Books


24. **Areas of consultancy and income generated:**
   No income generated through consultancy

25. **Faculty as members in**
   b. **National committees b) International Committees c) Editorial Boards….:**

**Dr Mahesh Pai, Associate Professor of Psychology**
- Chairman of the Board of Studies in Psychology from 2008-2012
- Member of Board of Studies in Psychology of Parvatibai Chowgule College of Arts and Science (Autonomous) from 2014 till date
- Chairman of the Board of Studies in M.A. Wellness Counseling from 29th March 2016 till date

**Life Member of Professional Organisations:**
- Bombay Psychology Association (BPA)
- Indian Association for Mental Health (IAMH).
- Goa Psychology Association (GPA)

24. **Student projects**
   e. **Percentage of students who have done in-house projects including inter departmental/programme:**
      100 percent
   f. **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies:**

For the purpose of collection of data for project work students have interacted
with Institutions and NGOs dealing with psychological issues.

27. Awards / Recognitions received by faculty and students

Nil

28. List of eminent academicians and scientists / visitors to the department:
- Prof Newman Fernandes, Dean, SHIATS University, Allahabad
- Dr B. A. Gomes, Ex Principal, Govt College, Quepem
- Dr Aldina Gomes, Head, Dept of Psychology, Carmel College
- Mrs Kavita Borkar, Head, Dept of Psychology, Chowgule College
- Pravin Sabnis, Life Coach, Unlearning Unlimited

28. Seminars/ Conferences/Workshops organized & the source of funding

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Title</th>
<th>Date</th>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Day State level Workshop</td>
<td>Work Vision: Developing Employability Skills</td>
<td>6\textsuperscript{th} August 2010</td>
<td>CII – Young Indians, Goa Chapter</td>
</tr>
<tr>
<td>Two-Days State Level Seminar</td>
<td>Stress and Coping among Youth</td>
<td>17\textsuperscript{th} &amp; 18\textsuperscript{th} February 2012</td>
<td>ICSSR, Mumbai</td>
</tr>
<tr>
<td>Two-Days State level Workshop</td>
<td>Campus to Corporate</td>
<td>16\textsuperscript{th} and 17\textsuperscript{th} January 2015</td>
<td>ICSSR, Mumbai and Rotary Club of Panaji Riviera</td>
</tr>
</tbody>
</table>

29. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Course/programme</th>
<th>Applications Selected</th>
<th>Enrolled Pass percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of the</td>
<td>received *M *F</td>
<td></td>
</tr>
</tbody>
</table>

(refer question no. 4)

| Name of the Course | Application selected | Enrolled | Pass Percentage |
|--------------------|----------------------|----------|-----------------
|                    |                      | Male     | Female         |
| Gender Studies: Department of Psychology |                      |          |                |
| Self Development: Department of Psychology |                      |          |                |

*M = Male  *F = Female

28. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of Students from the same state</th>
<th>% of students from other States</th>
<th>% of student from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Nil

29. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>30%</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>-</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>-</td>
</tr>
<tr>
<td>Employed</td>
<td>-</td>
</tr>
<tr>
<td>Campus selection</td>
<td>-</td>
</tr>
</tbody>
</table>
• Other than campus recruitment: 60%
• Entrepreneurship/Self-employment: 5%

30. Details of Infrastructural facilities
   a) Library:
   The department has 475 books, Journals and Multidisciplinary Journals
   b) Internet facilities for Staff & Students:
   Available
   i. Class rooms with ICT facility: Available
   j. Laboratories: Available

41. Number of students receiving financial assistance from college, university, government or other agencies

Students of Psychology from economically and socially backward classes receive financial assistance through Government scholarships from time to time.

42. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Student enrichment programmes are regularly held for the students. Some such programmes conducted are:

- Seminar on Stress and Coping among Youth on the 17th & 18th of February 2012 in partnership with the Indian Council of Social Science Research (ICSSR) and the Rotary Club of Panaji Riviera.
- Mr. Nilesh Amonkaras Guest Speaker on Mantras of Success on 8th August 2014
- Workshop on Campus to Corporate on the 16th and 17th of January 2015 funded by ICSSR, Mumbai and Rotary Club of Panaji Riviera.

43. Teaching methods adopted to improve student learning
Use of LCD, regular tests, assistance in reference work, wall papers on contemporary psychological issues, role plays, workshops, field trips and guest lectures.

44. Participation in Institutional Social Responsibility (ISR) and Extension activities
Students participate in NSS activities, community service, conduct surveys.

45. SWOC analysis of the department and Future plans

**Strengths:**
Qualified staff
Enthusiastic students
Eagerness to learn among the students

**Weakness:**
Lack of exposure among the students to the outside world

**Opportunities:**
To start six units in Psychology
To start a Post-Graduate Department of Psychology

**Challenges:**
To inculcate among students an empathetic approach
To inculcate research orientation among students

**Future Plans**
Six units in Psychology
Research Centre in Psychology
Post graduate course in Psychology
Skill based courses in Psychology
Short term courses in Psychology
3. Evaluative Report of the Departments
Department of Marathi

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding there petition of the data.

1. Name of the department  Marathi
2. Year of Establishment  1989
3. Names of Programmes/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  No
5. Annual/semester/choice based credit system (programme wise)  
   B.A. Semester
6. Participation of the department in the courses offered by other departments  No
7. Courses in collaboration with other universities, industries, foreign institutions, etc. Goa university  No
8. Details of courses/programmes discontinued (if any) with reasons  NIL
9. Number of Teaching posts

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>One</td>
<td>One</td>
</tr>
<tr>
<td>Asst. professors [lecture basis]</td>
<td>Three</td>
<td>Three</td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt./Ph.D./M.Phil.etc.,)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No.ofYears of Experience</th>
<th>No.ofPh.D. Students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunetra Sushant</td>
<td>M.A. Marathi M.A. Hindi</td>
<td>Asst. Prof. Of Marathi</td>
<td></td>
<td>20</td>
<td>nil</td>
</tr>
<tr>
<td>calangutkar</td>
<td>M.Phil. Marathi</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prachi G. Joshi</td>
<td>M.A. Marathi</td>
<td>Asst. Prof. of Marathi</td>
<td></td>
<td>01</td>
<td>Nil</td>
</tr>
<tr>
<td>Sujata D. Bhatkar</td>
<td>M.A. Economics and History</td>
<td>Asst. Prof. of Marathi (Lecture basis)</td>
<td></td>
<td>17</td>
<td>Nil</td>
</tr>
<tr>
<td>Durgadevi Bondre</td>
<td>M.A. Marathi</td>
<td>Asst. Prof. of Marathi (Lecture basis)</td>
<td></td>
<td>01</td>
<td>Nil</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty NIL

12. Percentage of lectures delivered and practical classes handled (programme wise)

By temporary faculty List Enclosed can give as table for 5 years

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>lectures</td>
<td>46%</td>
<td>38%</td>
<td>36%</td>
<td>46%</td>
<td>38%</td>
<td>34%</td>
</tr>
<tr>
<td>(lectures)</td>
<td>(lectures)</td>
<td>(lectures)</td>
<td>(lectures)</td>
<td>(lectures)</td>
<td>(lectures)</td>
<td>(lectures)</td>
</tr>
</tbody>
</table>

13. Student-Teacher Ratio (programmewise) 1.43 data of last 5 yrs reqd

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>66:3</td>
<td>87:3</td>
<td>73:2</td>
<td>59:2</td>
<td>46:2</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunetra S. Calangutkar</td>
<td>M.A.(Marathi), M.A.(Hindi), M.Phil.</td>
</tr>
<tr>
<td>Prachi G. Joshi</td>
<td>M.A. (Marathi)</td>
</tr>
<tr>
<td>Sujata D. Bhatkar</td>
<td>M.A. (Economics and History), M.A. (Marathi)</td>
</tr>
<tr>
<td>Durgadevi Bondre</td>
<td>M.A.(Marathi)</td>
</tr>
</tbody>
</table>

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: Sunetra Calangutkar

Book Publication:

1) ‘PARJANYA’ (Anthology), Sunetra Calangutkar, Lopamudra Publication, June 2013.

Research Papers Published in Books:


Paper Presentations:
1) Presented a paper on ‘Bhiku Pai Angle Yanche Marathivishyak Lekhan’ at the two-day National Seminar organized by Smt. Parvatibai Chowgule college, Madgaon on 6th and 7th January 2010.

2) Presented a paper on ‘Swatantryasainikanchi Atmacharitrye ani Gomantakiya Muktiladha’ at the two-day State level Seminar organized by Govt. college, Pernem on 29th and 30th November 2011.

3) Presented a paper on ‘Kagud Ani Sawli ya Kadambaritil Samajdarshan’ at the two day National Seminar organized by Smt. Parvatibai Chowgule college, Madgaon on 16th and 17th December 2011.

4) Presented a paper on ‘Gomantakiya Kadambaritil Goa’ at the State level Seminar organized by Government college, Sanquelim on 4th February 2012.

5) Presented a paper on ‘Aatthvani Mazya Karavasanchya Kallya Nillya Pannyanchya’ at the State level Seminar organized by Smt. Parvatibai Chowgule College, Madgaon on 20th March 2012.


Prelude / Preface for Book:

1) ‘Umalnari Kali’ (Anthology), Sarita Mashelkar, Publisher – Navnath Prakashan, 2016

Research Articals Published:

1) ‘Chintananshil ani vyasangi sameekshak : Dr. G.B. gramopaadhe’, ‘Kushavati’
  Deepawali visheshank’, editor- Ashok Mangutkar, 2009

b) Publication per faculty: Sujata Bhatkar

1. `Nisarg Nakshi`, Sujata Bhatkar, Publisher- Madhushri Prakashan, Pune, 2011

C) Publication per faculty: Prachi Joshi

1) Published research paper in book ‘samajsudharakanche marathi sahityala yogdan’. ISBN NO: 978-81-931444-1-1, Published by principal DR.Pushpa Ranade, Shri.sidhhivinayak mahila mahavidyalay, Pune.

2) Published a research paper in ‘Smaranika of Shardiya Chandrakala a sahityasammelan held on 20,21 feb.2016
3) Presented a research paper at National level seminar on the topic ‘samaj sudharakanchemarathisahityalayogdan’ on 22,23 Jan. 2016 organised by Shri.SidhivinayakMahilaMhavidyalay, Karvenagarpune

* 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, EBSCOhost, etc.)

* Monographs  **NIL**

* Chapter in Books

**Sunetra Calangutkar**


**Prachi Joshi**

1. **Published research paper in book** 

2. **Published a research paper in** ‘Smaranika of Shardiya Chandrakala a sahityasammelan held on 20, 21 Feb. 2016

3. **Presented a research paper at National level seminar on the topic** ‘samaj sudharakan chemarathisahityalayogdan’ on 22, 23 Jan. 2016 organised by Shri. Sidhivinayak Mahila Mahavidyalaya, Karvenagar, Pune

* 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
      1. Sujata Bhatkar, Asst. prof. of Marathi, (lecture basis), was Member of Goa state women commission for the year 2010-2013.
   b) International Committees NIL
   c) Editorial Boards.... NIL

22. Student projects
   a) Percentage of students who have done in-house projects including interdepartmental/programme 100%
   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
   a) Awards for faculty:
      1. Sunetra Calangutkar, Asst. Prof. of Marathi — Prizes for poetry and Lalit Lekhan.
      2. Sujata Bhatkar, Asst. Prof. of Marathi (lecture basis) _ Prizes for Lalit Lekhan.
      3. Prachi Joshi Asst. Prof. of Marathi (lecture basis)
         1. Many Prizes for standing first at M.A. examination, Goa University 2015.
         2. Awarded Gold Medal for securing highest marks in marathi at M.A. IN MARATHI at the hands of Governor of Goa at Annual Convocation Ceremony of Goa University held on 5th Feb 2016.
         3. Awarded 2nd place in essay writing competition organised by ‘Marathi rajyabhasha samiti’ Goa on 19th August 2015.
B) Awards for Students:

b) Best student award from college:

4. Vaishali Parab 2011-2012
5. Asha Naik 2012-2013
7. Sanjay Salelkar 2015-2016

C) Students of Marathi Department always attend and participate in various Sahitya Sammelans, National and State level Seminars, Workshops, state level competitions. Students secured various prizes in Poetry Writing, Abhang gayan, elocution, wallpaper competitions. Their articals and poems are always published in local newspapers.

1. Pradnya Tari secured third prize for poetry competition organised by Dept. of Marathi, Goa University, 2012.
2. Bharti Paranjape secured first prize in elocution competition organized by Marathi Bhasha Parishad, Ponda, 2014
4. Bharti Paranjape secured consolation prize in elocution competition organized by `Abhivyakti’ 2014
5. Students of Marathi Department won first prize in wallpaper competition in Sant Sohirobanath Ambiye Sant Sahitya Sammelan, organized by Directorate of official Languages, Govt. of Goa, 2015.

List of eminent academicians and scientists/visitors to the department

e. Dr. Sachin Kandolkar, wellknown Writer, Goa 2012.
g. Shri. Ashok Tilve, Executive committee member, Sane Guruji Kathamala, Goa, 2014.
h. Dr. Somnath Komarpant, Wellknown Critic, Ex. H.O.D., Marathi Department, Goa University, 2015.
i. Dr. Vitthal Thakur, wellknown writer, Goa, 2016.
25. Seminars/Conferences/Workshops organized & the source of funding a)

National NIL

b) International

NIL

c) one day State Level Workshop on poetrywriting in association with Marathi sahitya sahas, Marcela on 25th February 2012

26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of the course/Programme</th>
<th>Enrolled</th>
<th>Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Refer Question No.4)</td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>2011-2012</td>
<td>F.Y.B.A.</td>
<td>5</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.A.</td>
<td>1</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.A</td>
<td>Nil</td>
<td>13</td>
</tr>
<tr>
<td>2012-2013</td>
<td>F.Y.B.A.</td>
<td>9</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.A.</td>
<td>2</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.A</td>
<td>1</td>
<td>18</td>
</tr>
<tr>
<td>2013-2014</td>
<td>F.Y.B.A.</td>
<td>8</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.A.</td>
<td>6</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.A</td>
<td>Nil</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.A.</td>
<td>6</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>T.Y.B.A</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>2015-2016</td>
<td>F.Y.B.A.</td>
<td>4</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>S.Y.B.A.</td>
<td>6</td>
<td>9</td>
</tr>
</tbody>
</table>
### Diversity of Students

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of the course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>U. G.-B.A.</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2012-2013</td>
<td>U. G.-B.A.</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2013-2014</td>
<td>U. G.-B.A.</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2014-2015</td>
<td>U. G.-B.A.</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2015-2016</td>
<td>U. G.-B.A.</td>
<td>100%</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

28. Any student have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

**NIL**

29. **Student progression** (Last 5 yrs data to be given)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
<th>Against % enrolled</th>
<th>Against % enrolled</th>
<th>Against % enrolled</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>02</td>
<td>NIL</td>
<td>NIL</td>
<td>04</td>
<td>NIL</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>Employed</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
</tr>
<tr>
<td>• Campus selection</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
</tr>
<tr>
<td>Entrepreneurship/Self-employment</td>
<td>10%</td>
<td>10%</td>
<td>10%</td>
<td>10%</td>
<td>10%</td>
</tr>
</tbody>
</table>
30. Details of Infrastructural facilities

a) Library

Students and faculty use library facility.

Books - 1886    Magazines - 03

b) Internet facilities for Staff &

    Students and faculty - yes

c) Class rooms with ICT facility -

    LCD facility - Yes

d) Laboratories - No

31. Number of students receiving financial assistance from college, university, Government or other agencies

<table>
<thead>
<tr>
<th>Year</th>
<th>ST</th>
<th>OBC</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>05 F.Y.B.A. 05 S.Y.B.A. 01 T.Y.B.A.</td>
<td>01 F.Y.B.A. 03 T.Y.B.A.</td>
</tr>
<tr>
<td>2012-2013</td>
<td>03 F.Y.B.A. 05 S.Y.B.A. 01 T.Y.B.A.</td>
<td>03 F.Y.B.A. 01 S.Y.B.A.</td>
</tr>
<tr>
<td>2013-2014</td>
<td>04 S.Y.B.A. 03 T.Y.B.A.</td>
<td>03 S.Y.B.A.</td>
</tr>
<tr>
<td>2015-2016</td>
<td>03 S.Y.B.A.</td>
<td>-</td>
</tr>
</tbody>
</table>

32. Details on student enrichment programmes(special lectures/workshops/ Seminar) with external experts

1. Rarangdhang’ by shri. Hemant Aiya on 27th September 2013

2. shyamchi Aai ’ by shri. Ashok Tilve on 25th August 2014
3. Santparampara ani Sant.Sohirobanath' by Dr. Somnath Komarpant on 13th March 15

4. Lekhakashi Sanwad by Dr.Vitthal Thakur on 22nd February 2016


33. Teaching method sad opted to improve student learning

Presentations, visit to Authors village, dialogue with Author on his literature.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

NIL

35. SWOC analysis of the department and Future plans

Strength: Qualified and Experienced faculty.
Weakness: Students are from rural area, first generation learner, Marathi subject is at Three Unit level.
Opportunities: Students get employed in educational field and journalism field, To introduce Marathi subject at six unit level.
Challenges: To creat intrest about language and literature among Students.

Sunetra S Calangutkar
Asst. prof.of Marathi
Govt. college, khandola
The College has tried consistently to build on the suggestions of the NAAC peer team visited in 2005. We believe that the facilities and the environment can be improved in order to bring the college to new heights, it requires adding some more new facets and facilities like:

**Suggestions and follow up actions taken**

1. **Some new course in all the faculties may be started in order to have more options to the students as per their choice and provide opportunities of post graduate education.**

The college being run under the management of a governmental framework, had to utilise a realistic amount of time for creation of infrastructure, the base necessity for introduction of new courses. Now that the infrastructure is in place the college initiated the process of introduction of post graduate programs in department of Physics, Chemistry and commerce. Research centre has been set up in languages and political Science.

2. **As majority of the students are found to be girls it is necessary to add certificate or degree courses in home science.**

Since the college being placed in a small state and the requirement of manpower in the subject home science is fully complied with by the lone dedicated home science college situated in vicinity, introduction of a course in home science is found to be non-feasible. However one faculty member from our college is holding the additional charge as principal of the lone home science college in the state of Goa and collaboratoryorative programs intended to benefit the girl students we conducted regularly.

3. **Teachers be encouraged to attend national and international conferences and they may be provided additional opportunities for research and completion of their Ph.D programs.**

The college had taken note of this suggestion positively, turned in policy and priority, streamlined the administrative procedures and allocated funds by managing the budget and seeking assistance from UGC. This translated into the formation of a research culture in the institution ensuing completion of Ph.D’s, effective participation in national and international conferences and publication of research papers in reputed national and international journals having creditable impact factor index. Two faculties, Dr. Beena Vernekar and Dr. Seema Rath have availed sabbatical leave for the period of one year from
2013 to 2014 and 2015 to 2016 respectively and have made significant contribution to research in their respective fields.

4. They may be provided special assistance in establishing research laboratories and are advised to seek post graduate and Ph.D guide recognitions

Applications for recognition as post graduate teacher and Ph.D guide belonging to the faculty members were forwarded to Goa University. Research level equipments were developed/purchased in Physics and Chemistry departments.

5. Short term value education courses and computer literacy courses can facilitate revenue generation.

- The faculty of Computer Science Department conducted a certificate course in web development in ASP.NET and C# with SQL server for the 24 students of the department. The course was of three months duration and certificates were provided to the students. The course covered Database connectivity with SQL server and Generating webpage using ASP.Net

- A certificate course on PHP and MYSQL was also conducted by computer science department.

6. Computer laboratory can be expanded for revenue generation through projects from industries.

Computer laboratory has been expanded by adding more machines and the software required. The above courses have generated revenue as per the suggestions. The computer science department envisages to start online courses with IITs, and other engineering institutions shortly.

7. On acquiring recognition of UGC under 2f and 12B college can draw ambitious plan for its development.

College already acquired the recognition of UGC under 2f and 12B and have availed the grants under XI th plan of UGC.

8. State Government can encourage this college having high potential for man power development by allowing agro based and socially relevant subjects.

- Proposals for introduction of appropriate courses in current relevant field are communicated to the government.

- Since college has good interface with Syngenta India Limited, relevant course shall be restructured and commenced from the next semester.
• A workshop on “Safety in Laboratory” was organized on 30th April 2016 for the school, higher secondary and college teachers and Laboratory staff.

• Department of Chemistry in association with the Goa Pollution Control Board, has sent a proposal to DST for starting up certificate course in effluent treatment, water analysis and workshop on solid and hazardous waste management.
### ANNEXURE V

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
<th>Men/ Women</th>
<th>Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2016</td>
<td>Judo</td>
<td>Women and Men</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Soodo</td>
<td>Men</td>
<td>Winner</td>
</tr>
<tr>
<td></td>
<td>Taekwondo</td>
<td>Women</td>
<td>Winner</td>
</tr>
<tr>
<td></td>
<td>Wt. Lifting</td>
<td>Men</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Javelin</td>
<td>Men</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hurdle</td>
<td>Men</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Base BALL</td>
<td>Men Team</td>
<td></td>
</tr>
</tbody>
</table>