ANNUAL QUALITY ASSURANCE REPORT

2013 - 2014

St. Xavier’s College, (Autonomous)

5, Mahapalika Marg,
Mumbai 400 001, INDIA.
Tel. 022-22620661 Fax : 022-22659484
E-mail : admin@xaviers.edu Website : www.xaviers.edu
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The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

**Part – A**

**AQAR for the year *(for example 2013-14)***

<table>
<thead>
<tr>
<th>2013-14</th>
</tr>
</thead>
</table>

**1. Details of the Institution**

<table>
<thead>
<tr>
<th>1.1 Name of the Institution</th>
<th>ST. XAVIER’S COLLEGE-AUTONOMOUS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>1.2 Address Line 1</th>
<th>5, MAHAPALIKA MARG,</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Address Line 2</th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>City/Town</th>
<th>MUMBAI</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>State</th>
<th>MAHARASHTRA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pin Code</th>
<th>400 001</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Institution e-mail address</th>
<th><a href="mailto:webadmin@xaviers.edu">webadmin@xaviers.edu</a></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Contact Nos.</th>
<th>022-22620661</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Name of the Head of the Institution:</th>
<th>DR. (FR.) FRAZER MASCARENHAS, S.J.</th>
</tr>
</thead>
</table>
Tel. No. with STD Code: (022) 22620661

Mobile: (+91) 9324544540

Name of the IQAC Co-ordinator: DR. (FR.) ROY PEREIRA, S.J.

Mobile: (+91) 22 22620663

IQAC e-mail address: roy.pereira@xaviers.edu

1.3 **NAAC Track ID** *(For ex. MHCogn 1887)*
MHCOGN14809

1.4 **NAAC Executive Committee No. & Date:**
*(For Example EC/32/A&A/143 dated 3-5-20)*
EC/65/RAR/62

*This EC no. is available in the right corner-bottom of your institution’s Accreditation Certificate*

1.5 Website address:
www.xaviers.edu

Web-link of the AQAR:
http://xaviers.edu/main/index.php/naac-submissions


1.6 **Accreditation Details**

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Cycle</th>
<th>Grade</th>
<th>CGPA</th>
<th>Year of Accreditation</th>
<th>Validity Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1st Cycle</td>
<td>A 5 Stars</td>
<td>-</td>
<td>1999</td>
<td>1999-2006</td>
</tr>
<tr>
<td>2</td>
<td>2nd Cycle</td>
<td>A+</td>
<td>-</td>
<td>2007</td>
<td>2007-2012</td>
</tr>
<tr>
<td>3</td>
<td>3rd Cycle</td>
<td>A</td>
<td>3.63</td>
<td>2013</td>
<td>2013-2018</td>
</tr>
</tbody>
</table>
4  

4th Cycle

1.7 Date of Establishment of IQAC: DD/MM/YYYY

01-07-2000

1.8 Details of the previous year’s AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

i. AQAR 2007 – 2008 on 15/02/2013 (DD/MM/YYYY)

ii. AQAR 2008 – 2009 on 15/02/2013 (DD/MM/YYYY)

iii. AQAR 2009 – 2010 on 15/02/2013 (DD/MM/YYYY)

iv. AQAR 2010 – 2011 on 15/02/2013 (DD/MM/YYYY)

v. AQAR 2011 – 2012 on 29/09/2013 (DD/MM/YYYY)

vi. AQAR 2012 – 2013 on 29/09/2013 (DD/MM/YYYY)

vii. AQAR 2013 – 2014 on 30/05/2016 (DD/MM/YYYY)

1.9 Institutional Status

<table>
<thead>
<tr>
<th>University</th>
<th>State</th>
<th>Central</th>
<th>Deemed</th>
<th>Private</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Affiliated College

Yes ✔ No

Constituent College

Yes ✔ No

Autonomous college of UGC

Yes ✔ No

Regulatory Agency approved Institution

Yes ✔ No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution

Co-education ✔ Men ☐ Women ☐

Urban ✔ Rural ☐ Tribal ☐

Financial Status

Grant-in-aid ☐ UGC 2(f) ✔ UGC 12B ✔

Grant-in-aid +Self Financing ✔ Totally Self-financing ☐
### 1.10 Type of Faculty/Programme

<table>
<thead>
<tr>
<th>Arts</th>
<th>Science</th>
<th>Commerce</th>
<th>Law</th>
<th>PEI (Phys Edu)</th>
</tr>
</thead>
<tbody>
<tr>
<td>✅</td>
<td>✅</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TEI (Edu)</th>
<th>Engineering</th>
<th>Health Science</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>✅</td>
</tr>
</tbody>
</table>

Others (Specify): Mass Media (BMM)  
B.Sc. (I.T.)

### 1.11 Name of the Affiliating University *(for the Colleges)*

UNIVERSITY OF MUMBAI

### 1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

- **Autonomy by State/Central Govt. / University**: ✅
- **University with Potential for Excellence**: UGC-CPE ✅
- **DST Star Scheme**: UGC-CE ✅  UGC-CE
- **UGC-Special Assistance Programme**: -----  DST-FIST ✅
- **UGC-Innovative PG programmes**: -----  Any other *(Specify)*
- **UGC-COP Programmes**: ---

### 2. IQAC Composition and Activities

#### 2.1 No. of Teachers

| 11 |

#### 2.2 No. of Administrative/Technical staff

| 1 |
2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders:

<table>
<thead>
<tr>
<th>Stakeholders</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty</td>
<td>5</td>
</tr>
<tr>
<td>Non-Teaching Staff</td>
<td>2</td>
</tr>
<tr>
<td>Students</td>
<td>---</td>
</tr>
<tr>
<td>Alumni</td>
<td>5</td>
</tr>
<tr>
<td>Others</td>
<td>-</td>
</tr>
</tbody>
</table>

2.12 Has IQAC received any funding from UGC during the year?  Yes ☑  No  

If yes, mention the amount  1 lakh/year

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

<table>
<thead>
<tr>
<th>Level</th>
<th>Total Nos.</th>
<th>International</th>
<th>National</th>
<th>State</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

2.13 Total Nos. 4
(ii) Themes

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>27th and 28th June, 2013</td>
<td><strong>Orientation Seminar – For New Teachers on “Effective Teaching Strategies”</strong> organized by St. Xavier’s College (Autonomous), Mumbai.</td>
</tr>
<tr>
<td>26th September, 2013</td>
<td><strong>Faculty Seminar organized</strong> by St. Xavier’s College ( Autonomous) on “NAAC report, Quality Mechanism &amp; Understanding API Scores.”</td>
</tr>
<tr>
<td>13th February, 2014</td>
<td>A Faculty Seminar was organized by St. Xavier’s – Autonomous, College on “<strong>Education through Technology</strong>” by <strong>Prof. Tim Savage</strong> from <strong>Trinity College, Dublin University.</strong></td>
</tr>
<tr>
<td>12th March, 2014</td>
<td><strong>A Seminar for all teachers</strong> was organized by St. Xavier’s College – Autonomous, College, Mumbai on the topic titled “<strong>Insights from Neuro Science: Behaviour Change</strong>”</td>
</tr>
<tr>
<td>11th April, 2014</td>
<td><strong>A Seminar for New teachers</strong> was organized by St. Xavier’s College, (Autonomous), Mumbai on the topic titled “The <strong>Classroom Experience – In Review.</strong>”</td>
</tr>
</tbody>
</table>
2.14 Significant Activities and contributions made by IQAC

- Study Packs: essential readings, drawn from different sources, to cover the syllabus
- Presentation/Assignment Evaluation Grid: making clear the criteria for assessment and giving a “feed-forward” to students.
- Bar Coding / Masking of Answer Papers before Assessment begins.
- Moderation of Assessment through External Examiners or Double Blind Evaluation.
- Feedback to students on their Performance – display of papers (in groups of 10).
- Photocopy of the Answer Paper and/or Challenge evaluation of the Paper.
- Regular Faculty Seminars and Workshops to upgrade skills and to evolve better methods and processes of teaching-learning-evaluation.
- The attempt at creating knowledge through participative lectures, using the Constructivist philosophy of education and not the banking philosophy.
- The increasing Use of ICT in the teaching-learning process, including Smart Boards, Video-Conferencing, LCD presentations, Internet Connectivity etc in designated Multi-Media rooms and the use of LCD presentations in all classrooms.
- The development of language and soft-skills through the Language Lab, special communication skills courses and through participation in extra-curricular activities.
- The Honours Programme for the better students, consisting of 8 extra credits, earned over the 3 years, including an introduction to research.
- A 3-credit Cross Faculty course for all students, to encourage inter-disciplinary learning.
- Fieldtrips and Guest Lectures to make academics more experiential.
- Summer Internships for experience of industry.
- The encouragement of Research among Faculty and Senior students, including applying for University, State & Central Government and UGC funding for research projects, the presentation of papers at Conferences and serving as Resource Persons in other institutions.
- The publication of a yearly Peer-Reviewed Research Journal by the Faculty.
- The publication of Department Journals for student articles on a theme.
- Yearly Department Khandala Seminars for student presentations.
- Governance is decentralised through the University statutes on Autonomy provisions, which stipulate a decentralization of the decision making process, giving academic autonomy to Faculty for their course content through Boards of Study, for academic decision making to the Heads of Departments forming the Academic Board and overall policy decision making to the Management Board which has UGC, Government, University, elected faculty and Representatives of the Private Management of the College. This ensures due process, consultation and participation in the visioning for the College and in actual decision-making.
2.15 Plan of Action by IQAC/Outcome

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

<table>
<thead>
<tr>
<th>Plan of Action</th>
<th>Achievements</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Make efforts for a Clean and Green Campus</td>
<td>The third set of Solar panels was installed on the roof of the library building by Thermax India Pvt. Ltd. and sponsored by the State Bank of India, with a Government of India subsidy. Also ensured the segregation of Dry and Wet garbage on Campus.</td>
</tr>
<tr>
<td>2) Encourage analytical and Effective Teaching</td>
<td>2 New Teachers’ Seminars and 3 Faculty Seminars were held. Regular Teaching Assessment Questionnaires (T.A.Q.) were conducted and discussed for all the confirmed Arts faculty and all the new faculty. Proper guidance was provided based on the TAQ.</td>
</tr>
<tr>
<td>3) Encourage collaborative programmes with International Universities</td>
<td>Eight Xavierites visited Harvard University from 19th-25th January 2014 to participate in the Harvard College in Asia Program (HCAP) conference along with students from five other Asian countries. Eight Harvard students were at St. Xavier’s from 16th – 22nd March 2014. During this visit we organized an International Conference on ‘Building Sustainable Cities’ with eminent speakers from the field. A specialized intensive short term English Language course was developed for students from Soka University, Japan from 3rd to 12th Feb, 2014. For the second consecutive year we organized a program for students of the University</td>
</tr>
</tbody>
</table>
California, Berkeley.
Stockholm School of Economics, Sweden: Four of our students, Varun Mittal, Ishaan Kapoor, Gaurishankar Gupta, and Nimit Parikh represented college at the Stockholm Model United Nations held on 14th -17th Nov. 2013. Varun Mittal and Gaurishankar Gupta received an honorary mention for the debate.

<p>| | |</p>
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<tbody>
<tr>
<td>4)</td>
<td>Promote learning additional Courses through effective technology</td>
</tr>
<tr>
<td></td>
<td>Encouraged the use of Moodle and workshops were conducted for the same.</td>
</tr>
<tr>
<td>5)</td>
<td>Encouraged Innovating Teaching- Learning Processes</td>
</tr>
<tr>
<td></td>
<td>Purchase of Student Response Devices (Clickers), Optical Mark Recognition (OMR)</td>
</tr>
<tr>
<td>6)</td>
<td>Co-curricular activities</td>
</tr>
<tr>
<td></td>
<td>Students developed thinking skills: self-directed and independent thinking. Coordination makes them develop communication and management skills. The students recognize their strengths and weaknesses. The Evening Commerce Section of St. Xavier’s College conducted an exhibition on the various Banks in the country. The Commerce Section organized a National level Inter-Collegiate competition ‘Sitare: Stars of the Night’ in which 22 degree night colleges and 52 Junior colleges participated.</td>
</tr>
<tr>
<td>7)</td>
<td>Gender Sensitization Processes</td>
</tr>
<tr>
<td></td>
<td>An Orientation about the Women’s Development Cell of the college, for the First year Students was held in the first week of August. A Self Defence Workshop was held for the Girls students of the Senior College on 12th September, 2013.</td>
</tr>
<tr>
<td>8)</td>
<td>Student Support Services</td>
</tr>
<tr>
<td></td>
<td>Voter-Id forms were distributed in college. This enabled students who had just completed 18 years of age to register</td>
</tr>
</tbody>
</table>
themselves in the Voting list. A similar procedure was held for the Aadhar Card and Pan Card.

The XRCVC (Xavier’s Research Institute for the Visually Challenged) has a national level recognition. It caters to the needs of the Visually impaired students by providing them with screen readers, feeding their notes into the computer and various other facilities.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>9) Encourage Group Learning</td>
<td>Group Presentations were allowed as a part of C.I.A 2. Emphasis was based on Enquiry based learning.</td>
</tr>
<tr>
<td>10) Student Guidance</td>
<td>The mentoring system is in place where students can approach their mentors if they face any difficulty on campus.</td>
</tr>
<tr>
<td>11) Encourage Audio Visuals in Class rooms</td>
<td>Almost all Class rooms have audio visuals systems. 46 projectors have been purchased since 2010.</td>
</tr>
<tr>
<td>12) Examination Reforms</td>
<td>Masking of Answer Papers for all classes, Moderation of answer papers for FY and SY and Double Blind Evaluation for TY level was introduced.</td>
</tr>
<tr>
<td>13) Encourage Faculty Project Undertakings</td>
<td>1 major project and 6 minor projects have been completed this year. The Ford foundation Project was completed in this year.</td>
</tr>
<tr>
<td>14) Encourage Student and Career Counselling on Campus</td>
<td>At least 2000 students of the college benefited the counselling facility available in the college.</td>
</tr>
</tbody>
</table>
15) Encourage Seminars and workshops

The NSRL on the occasion of its 80th Anniversary along with the Department of Chemistry organized the first International Conference, ‘Chemistry Cutting Edge: Nano Green and Beyond” on January 6th and 7th, 2014.

The BMS Department is associated with CIIYI where a lot of activities were conducted.

*Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body

- [ ] Yes  - [ ] No

Management  Syndic:  Any other

Provide the details of the action taken

IQAC was discussed at the Academic Council Meeting and the Governing Body at the end of the Academic Year to finalize the report before submission.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

<table>
<thead>
<tr>
<th>Level of the Programme</th>
<th>Number of existing Programmes</th>
<th>Number of programmes added during the year</th>
<th>Number of self-financing programmes</th>
<th>Number of value added / Career Oriented programmes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD</td>
<td>8</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>PG</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>UG</td>
<td>3</td>
<td>-</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PG Diploma</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Diploma</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diploma</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certificate</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Others</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>5</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>-------</td>
<td>----</td>
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<td>---</td>
</tr>
<tr>
<td>Interdisciplinary</td>
<td>8</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Innovative</td>
<td>2</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

**PhD:** Botany, Chemistry, Zoology, Geology, Life Science, History, Ancient Indian Culture, Avesta Pahlavi

**PG:** Botany, Life Science, Microbiology, Geology, Ancient Indian Culture, Biotechnology, Public Policy.

**UG:** Ancient Indian Culture, Anthropology, Commerce, Economics, English, French, Hindi, History, Political Science, Psychology, Sociology, Statistics, Botany, Chemistry, Geology, Life Science and Biochemistry, Mathematics, Microbiology, Physics, Zoology.

**UG Self Financing:** Bachelors in Management Studies, Bachelors in Mass Media and Bachelors in Science (I.T.)

**Certificate:** Gemmology; Forensic Science; Clinical research; Technology and its generation from the individual world; Bombay, city, society and culture; Impact of Globalization on the capital flow and development; In conversation with Globalization; India Studies Programme; Intensive English Language Course

**Innovative Program:** Master’s in Public Policy began in 2013. The Neuroscience program that began last year became a whole course by itself offered in the fifth semester.

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

In general, we have the Core/Elective option but in the case of the Applied Component, we have moved to the CBCS wherein a student majoring in any subject can choose an applied component from among the whole pool without necessarily taking the Applied Component offered by his/her Department

(ii) Pattern of programmes:

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Number of programmes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>19</td>
</tr>
<tr>
<td>Trimester</td>
<td>-</td>
</tr>
<tr>
<td>Annual</td>
<td>-</td>
</tr>
</tbody>
</table>

1.3 Feedback from stakeholders*Alumni)

*Alumni Parents Employers Students

(On all aspects)

Mode of feedback: Online Manual Co-operating schools (for PEI)
*Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

<table>
<thead>
<tr>
<th>Year</th>
<th>2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Yes. Revision takes place every year if needed and every three years an overall of the syllabus is done. Looking at topics horizontally across a given year as well as vertically down the three years.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

M.A. in Public Policy was introduced from 2013-2014

**Criterion – II**

2. **Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

<table>
<thead>
<tr>
<th>Total</th>
<th>Asst. Professors</th>
<th>Associate Professors</th>
<th>Professors</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>56</td>
<td>40</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

2.2 No. of permanent faculty with Ph.D.

<table>
<thead>
<tr>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
</tr>
</tbody>
</table>

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year

<table>
<thead>
<tr>
<th>Asst. Professors</th>
<th>Associate Professors</th>
<th>Professors</th>
<th>Others</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>V</td>
<td>R</td>
<td>V</td>
<td>R</td>
</tr>
<tr>
<td>19</td>
<td>-</td>
<td>N/A</td>
<td>N/A</td>
<td>19</td>
</tr>
</tbody>
</table>

2.4 No. of Guest and Visiting faculty and Temporary faculty

<table>
<thead>
<tr>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
</tr>
</tbody>
</table>

2.5 Faculty participation in conferences and symposia:

<table>
<thead>
<tr>
<th>No. of Faculty</th>
<th>International level</th>
<th>National level</th>
<th>State level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attended</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Presented</td>
<td>18</td>
<td>23</td>
<td>21</td>
</tr>
<tr>
<td>Resource Persons</td>
<td>-</td>
<td>-</td>
<td>11</td>
</tr>
</tbody>
</table>
2.6 Innovative processes adopted by the institution in Teaching and Learning:

| ICT-enabled teaching-learning methods were adopted. Student-centered teaching strategies were introduced. | Purchase of Student Response Devices (Clickers), Optical Mark Recognition (OMR) |
| High speed Sheet-feeder Scanners and OMR software |          |
| Nearly all classrooms have projectors and screens + audio visual facilities |          |
| Internet access available through I/O box in each classroom |          |
| Approx 46 projectors purchased since 2010 |          |

The use of the iPad in the Classroom enables the following:

- Show (on the big screen)
- Manage (the classroom)
- Assess (student work)
- Interact (with students)
- Access (your files)
- Make (instructional media)

2.7 Total No. of actual teaching days during this academic year 180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)  

<table>
<thead>
<tr>
<th>1. Masking of Answer Papers</th>
<th>2. Double Evaluation for TY</th>
</tr>
</thead>
</table>

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 63 63 109

2.10 Average percentage of attendance of students 65%
2.11 Course/Programme wise distribution of pass percentage:

<table>
<thead>
<tr>
<th>Title of the Programme</th>
<th>Total no. of students appeared</th>
<th>Distinction %</th>
<th>I %</th>
<th>II %</th>
<th>III %</th>
<th>Pass %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts (B.A.) in Ancient Indian Culture, Economics, English, French, Hindi, History, Political Sc., Psychology, Sociology</td>
<td>367</td>
<td>25.06</td>
<td>26.70</td>
<td>36.78</td>
<td>4.90</td>
<td>93.44</td>
</tr>
<tr>
<td>Bachelor of Science (B.Sc.) in Botany, Chemistry, Geology, Life Sc. &amp; Biochemistry, Mathematics, Microbiology, Physics, Statistics, Zoology</td>
<td>260</td>
<td>23.07</td>
<td>24.61</td>
<td>30</td>
<td>-</td>
<td>6.92</td>
</tr>
<tr>
<td>Bachelor of Commerce (B.Com.) Accountancy</td>
<td>149</td>
<td>1.34</td>
<td>1.34</td>
<td>16.77</td>
<td>-</td>
<td>81.87</td>
</tr>
<tr>
<td>Bachelor of Management Studies (B.M.S.)</td>
<td>66</td>
<td>18.18</td>
<td>13.42</td>
<td>40.90</td>
<td>-</td>
<td>1.51</td>
</tr>
<tr>
<td>Bachelor of Mass Media (B.M.M.)</td>
<td>61</td>
<td>34.42</td>
<td>32.78</td>
<td>22.95</td>
<td>-</td>
<td>3.27</td>
</tr>
<tr>
<td>Bachelor of Science in Information Technology (B.Sc. IT)</td>
<td>57</td>
<td>19.29</td>
<td>21.05</td>
<td>22.08</td>
<td>-</td>
<td>5.26</td>
</tr>
</tbody>
</table>
Master of Arts (M.A.) in Ancient Indian Culture.  
|  | 20 | 15 | 10 | 20 | - | 0 |

Master of Arts (by Research) in AIC, History, Islamic Studies.  
|  | - | - | - | - | - | - |

Master of Science (M. Sc.) in Biotechnology, Botany, Geology, Life Sciences Microbiology  
|  | 108 | 35.18 | 25.90 | 24.07 | - |

|  | 1.85 |

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

Regular Teaching Assessment Questionnaires (T.A.Q.) are conducted and discussed with the professors. Proper guidance is provided for the same.

Sit-Ins are also organised.

New Teacher Seminar Workshops are planned.

Teachers’ Seminars are conducted on a regular basis.

2.13 Initiatives undertaken towards faculty development

<table>
<thead>
<tr>
<th>Faculty / Staff Development Programmes</th>
<th>Number of faculty benefitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refresher courses</td>
<td>6</td>
</tr>
<tr>
<td>UGC – Faculty Improvement Programme</td>
<td>2</td>
</tr>
<tr>
<td>HRD programmes</td>
<td>-</td>
</tr>
<tr>
<td>Orientation programmes</td>
<td>2</td>
</tr>
<tr>
<td>Faculty exchange programme</td>
<td></td>
</tr>
</tbody>
</table>
Staff training conducted by the university | 8  
Staff training conducted by other institutions | -  
Summer / Winter schools, Workshops, etc. | -  
Others : College Orientation to new teachers | 15  
College Seminars / Workshops | 109

2.14 Details of Administrative and Technical staff

<table>
<thead>
<tr>
<th>Category</th>
<th>Number of Permanent Employees</th>
<th>Number of Vacant Positions</th>
<th>Number of permanent positions filled during the Year</th>
<th>Number of positions filled temporarily</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Staff</td>
<td>43</td>
<td>4</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Technical Staff</td>
<td>49</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Research Committee promotes Faculty to do research: They also help to get Research Grants from UGC, University and other such institutions.

Teachers are encouraged to get their PhDs.

Those eligible apply for the FIP grant.

Seed money is available for faculty to do research.

There is a Bio-Safety Committee.

3.2 Details regarding major projects

<table>
<thead>
<tr>
<th>Number</th>
<th>Completed</th>
<th>Ongoing</th>
<th>Sanctioned</th>
<th>Submitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlay in Rs. Lakhs</td>
<td>18,32,212</td>
<td>5,00,000</td>
<td>13,00,000</td>
<td>-</td>
</tr>
</tbody>
</table>

3.3 Details regarding minor projects

<table>
<thead>
<tr>
<th>Number</th>
<th>Completed</th>
<th>Ongoing</th>
<th>Sanctioned</th>
<th>Submitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlay in Rs. Lakhs</td>
<td>1,32,000</td>
<td>1,50,000</td>
<td>1,07,000</td>
<td>-</td>
</tr>
</tbody>
</table>
3.4 Details on research publications

<table>
<thead>
<tr>
<th></th>
<th>International</th>
<th>National</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peer Review Journals</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Peer Review Journals</td>
<td>4</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>e-Journals</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conference proceedings</td>
<td>20</td>
<td>15</td>
<td>19</td>
</tr>
</tbody>
</table>

3.5 Details on Impact factor of publications:

<table>
<thead>
<tr>
<th>Range</th>
<th>Average</th>
<th>h-index</th>
<th>Nos. in SCOPUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3 to 3.177</td>
<td>--</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

<table>
<thead>
<tr>
<th>Nature of the Project</th>
<th>Duration Year</th>
<th>Name of the funding Agency</th>
<th>Total grant sanctioned</th>
<th>Received</th>
<th>Name of Dept.</th>
<th>Name of Professor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major projects</td>
<td></td>
<td>Dextran Fermentation</td>
<td>1,75,000</td>
<td></td>
<td>Microbiology</td>
<td>Prof. Vivein Amonkar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UGC</td>
<td>13,00,000</td>
<td></td>
<td>Economics</td>
<td>Prof. Aditi Sawant</td>
</tr>
<tr>
<td>Minor Projects</td>
<td>1 year (2013-14)</td>
<td>Mumbai University</td>
<td>40,000</td>
<td>Y</td>
<td></td>
<td>Dr. B.A. Menezes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mumbai University</td>
<td>25,000</td>
<td>E</td>
<td></td>
<td>Dr. (Fr.) Roy Pereira, S.J.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mumbai University</td>
<td>20,000</td>
<td>S</td>
<td></td>
<td>Dr. M. Hambarde</td>
</tr>
<tr>
<td></td>
<td></td>
<td>U.G.C</td>
<td>22,000</td>
<td></td>
<td></td>
<td>Dr. P.U. Sinkar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>U.G.C</td>
<td>1,05,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>U.G.C</td>
<td>1,50,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of books published</td>
<td>i) With ISBN No</td>
<td>Chapters in Edited Books</td>
<td></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></td>
<td>2</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>i) Without ISBN No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

### 3.8 No. of University Departments receiving funds from

<table>
<thead>
<tr>
<th>UGC-SAP</th>
<th>CAS</th>
<th>DST-FIST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DPE</th>
<th>DBT Scheme/funds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

### 3.9 For colleges

<table>
<thead>
<tr>
<th>Autonomy</th>
<th>CPE</th>
<th>DBT Star Scheme</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INSPIRE</th>
<th>CE</th>
<th>Any Other (specify)</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

<table>
<thead>
<tr>
<th>Level</th>
<th>International</th>
<th>National</th>
<th>State</th>
<th>University</th>
<th>College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>17</td>
<td>18</td>
<td>8</td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>Sponsoring agencies</td>
<td>University Private</td>
<td>University Private</td>
<td>University Private</td>
<td>University Private</td>
<td></td>
</tr>
</tbody>
</table>

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations

<table>
<thead>
<tr>
<th>International</th>
<th>National</th>
<th>Any other</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>11</td>
<td>-</td>
</tr>
</tbody>
</table>

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

<table>
<thead>
<tr>
<th>From Funding agency</th>
<th>From Management of University/College</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>0.85</td>
</tr>
</tbody>
</table>

3.16 No. of patents received this year

<table>
<thead>
<tr>
<th>Type of Patent</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>National</td>
<td></td>
</tr>
<tr>
<td>International</td>
<td></td>
</tr>
<tr>
<td>Commercialised</td>
<td></td>
</tr>
</tbody>
</table>

3.17 No. of research awards/rerecognition received by faculty and research fellows of the institute in the year

<table>
<thead>
<tr>
<th>Level</th>
<th>International</th>
<th>National</th>
<th>State</th>
<th>University</th>
<th>Dist</th>
<th>College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

3.18 No. of faculty from the Institution who are Ph.D. Guides and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

Revised Guidelines of IQAC and submission of AQAR
### 3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>JRF</td>
<td></td>
</tr>
<tr>
<td>SRF</td>
<td></td>
</tr>
<tr>
<td>Project Fellow</td>
<td></td>
</tr>
<tr>
<td>Any other</td>
<td></td>
</tr>
</tbody>
</table>

### 3.21 No. of students Participated in NSS events:

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>University level</td>
<td></td>
</tr>
<tr>
<td>State level</td>
<td></td>
</tr>
<tr>
<td>National level</td>
<td></td>
</tr>
<tr>
<td>International level</td>
<td></td>
</tr>
</tbody>
</table>

### 3.22 No. of students participated in NCC events:

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>University level</td>
<td>4</td>
</tr>
<tr>
<td>State level</td>
<td></td>
</tr>
<tr>
<td>National level</td>
<td></td>
</tr>
<tr>
<td>International level</td>
<td></td>
</tr>
</tbody>
</table>

### 3.23 No. of Awards won in NSS:

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>University level</td>
<td></td>
</tr>
<tr>
<td>State level</td>
<td></td>
</tr>
<tr>
<td>National level</td>
<td></td>
</tr>
<tr>
<td>International level</td>
<td></td>
</tr>
</tbody>
</table>

### 3.24 No. of Awards won in NCC:

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>University level</td>
<td></td>
</tr>
<tr>
<td>State level</td>
<td></td>
</tr>
<tr>
<td>National level</td>
<td></td>
</tr>
<tr>
<td>International level</td>
<td></td>
</tr>
</tbody>
</table>

### 3.25 No. of Extension activities organized

<table>
<thead>
<tr>
<th>Activity</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>University forum</td>
<td></td>
</tr>
<tr>
<td>College forum</td>
<td>892 (SIP)</td>
</tr>
<tr>
<td>NCC</td>
<td>4</td>
</tr>
<tr>
<td>NSS</td>
<td></td>
</tr>
<tr>
<td>Any other</td>
<td></td>
</tr>
</tbody>
</table>
3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- SXC provides students with the learning opportunities that extend beyond the class room and the campus. The Social Involvement Programme (S.I.P) has been a key component of such a learning process. The SIP primarily aims at contributing to holistic focus.

- The Social Service Programme and AICUF (All India Catholic University Federation) conduct various outreach activities where students participate voluntarily. Project Care and Blood Donation Camps are organized by SSL and various outstation camps.

**Criterion – IV**

**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

<table>
<thead>
<tr>
<th>Facilities</th>
<th>Existing</th>
<th>Newly created</th>
<th>Source of Fund</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus area</td>
<td>11749 sq.mtrs.</td>
<td>-</td>
<td>-</td>
<td>11,749 sq.mtrs.</td>
</tr>
<tr>
<td>Class rooms</td>
<td>40</td>
<td>-</td>
<td>-</td>
<td>40</td>
</tr>
<tr>
<td>Laboratories</td>
<td>17</td>
<td>-</td>
<td>-</td>
<td>17</td>
</tr>
<tr>
<td>Seminar Halls</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>No. of important equipments purchased (≥ 1-0 lakh) during the current year.</td>
<td>33</td>
<td>UGC</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Value of the equipment purchased during the year (Rs. in Lakhs)</td>
<td>20.52</td>
<td>UGC</td>
<td>20.52</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.2 Computerization of administration and library

- Parents Login
- Syllabus on the net
- All notices go on the website
- N-list online SLIM software for library. The online library catalogues helps us to search the books availability.
- A live broadcasting of Graduation ceremony 2013 was taken charge of and organised by the Knowledge Centre.
4.3 Library services:

<table>
<thead>
<tr>
<th></th>
<th>Existing</th>
<th>Newly added</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>Value</td>
<td>No.</td>
</tr>
<tr>
<td>Text Books</td>
<td>89743</td>
<td></td>
<td>568</td>
</tr>
<tr>
<td>Reference Books</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e-Books</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Journals</td>
<td>Bound</td>
<td></td>
<td>94</td>
</tr>
<tr>
<td>e-Journals</td>
<td>Volumes</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(6467)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital Database</td>
<td>N-List &amp;</td>
<td></td>
<td>425918</td>
</tr>
<tr>
<td></td>
<td>** (Oxford</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reference</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Online )</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CD &amp; Video</td>
<td>443 (along</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>with books)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others (specify)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.4 Technology upgradation (overall)

<table>
<thead>
<tr>
<th></th>
<th>Total Computers</th>
<th>Computer Labs</th>
<th>Internet</th>
<th>Browsing Centres</th>
<th>Computer Centres</th>
<th>Office</th>
<th>Departments</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing</td>
<td>294</td>
<td>5</td>
<td>4 Mbps</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>26</td>
<td>8</td>
</tr>
<tr>
<td>Added</td>
<td>21</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td>315</td>
<td>4+ 1 Lab</td>
<td>4 Mbps</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>26</td>
<td>8</td>
</tr>
</tbody>
</table>
The Xavier Knowledge Centre includes 3 Computer Laboratories of 30 Computers each and 2 Cyber Labs to facilitate staff and student use of computers and the internet. The cyber lab which promotes internet facilities for the students has been powered by solar panels and is the example of the use of green energy. There are various workshops conducted every year. Some of them are mentioned below.

The Knowledge Centre conducted Moodle Training Workshops for the Teaching Staff of St. Xavier’s College. The topics covered were:

**Moodle:**
1) Setting up an effective online course using text, images, and videos.
2) Importing class students to the course, setting up quizzes and question banks.
3) Grading and immediate display of results both to students and teachers.

This centre also conducted Ipad and Mobile Training Workshops for the Teacher’s of Jan Seva Mandal, Nandurbar. The topics covered were:

**iPad:**
1) Introduction to a wide range of teaching apps available for iPad
2) Using iPad as an effective aid to teach difficult topics with ease make online presentations, mark attendance for students etc.
3) Hands on training with iPad

A Non teaching staff training workshop on Computer & Mobile technology was organised on 13th March, 2014.

The topics covered were:

**COMPUTER:**
- Introduction of Desktop, Laptop
- Information about Input & Output device
- Basic knowledge of Networking LAN

**MOBILE TECHNOLOGY:**
- Checking of Inbox, Create SMS, Sent SMS
- Whatsapp & Other features on Mobile Phones like M-indicator, GPRS
- Saving contacts on phone add, edit & delete contacts

**INTERNET:**
- Surfing on Useful websites like jdhemumbai.gov.in, maharashtra.gov.in & xaviers.edu
- Create Email ID, check emails (Inbox), send emails and attaching photo, files.

Some of the activities conducted were:
- Assisting to setup the online SLIM software for library. The online library catalogues helps us to search the books availability.

A live broadcasting of Graduation ceremony 2013 was taken charge of and organised by the Knowledge Centre.

The Centre deployed the NComputing solution in Neuroscience Lab. NComptuting is vSpace Management Center provides a highly scalable, flexible and easy to use single point of device management.
4.6 Amount spent on maintenance in lakhs:

i) ICT 7.50

ii) Campus Infrastructure and facilities 104.70

iii) Equipments 16.41

iv) Others -------

Total: 128.6

Criterion – V specially

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The counselling facility available on campus is an impetus to the growth and development of students on campus. The language lab facility enables students to strengthen their writing style while dealing with various other linguistic abilities. There is a Common room separate for Girls and Boys. All departments help their students to find a reputed place to intern at. A hygienic Cafeteria facility, with a healthy variety of food enables students to a diversity of choices. Drinking water facility is made available at every alternate floor in the college.

There is a mentoring system in place where the students are assigned teachers who will guide, assist and attend to them if the student as expressed some need for the same. The students may confide in then any problem they face at the college level.

Voter-Id forms were distributed in college. This enabled students who had just completed 18 years of age to register themselves in the Voting list. The Students Council was also responsible for submitting the forms to the Election office, thus saving time and energy of many students. A similar procedure was held for the Adhar Card and Pan Card.

The Social Involvement Programme (S.I.P.) is a compulsory credit for the first year students across streams to complete 60 hours at any Non-Governmental Organization.

The XRCVC (Xavier’s Research Institute for the Visually Challenged) has a national level recognition. It caters to the needs of the Visually impaired students by providing them with screen readers, feeding their notes into the computer and various other facilities.
5.2 Efforts made by the institution for tracking the progression

The Placement Cell arranges job fair in collaboration with employers. (Refer to Annexure VIII)

The Alumni Association maintains consistent correspondence with alumni/ae. The Career Counselor provides necessary guidance to students in the choice of their career.

Many departments maintain a database for recording the progress of students.

5.3 (a) Total Number of students

<table>
<thead>
<tr>
<th></th>
<th>UG</th>
<th>PG</th>
<th>Ph.D</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3040</td>
<td>191</td>
<td>24</td>
<td>84</td>
</tr>
</tbody>
</table>

(b) No. of students outside the state

945

(c) No. of international students

36

Men

<table>
<thead>
<tr>
<th>No</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>41.66</td>
</tr>
</tbody>
</table>

Women

<table>
<thead>
<tr>
<th>No</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>58.33</td>
</tr>
</tbody>
</table>

Demand ratio 1140:9246 Dropout % Approx 2%

<table>
<thead>
<tr>
<th>Percentage of students under the categories</th>
<th>2012-2013</th>
<th>2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC</td>
<td>3.92%</td>
<td>3.93%</td>
</tr>
<tr>
<td>ST</td>
<td>0.87%</td>
<td>1.35%</td>
</tr>
<tr>
<td>OBC</td>
<td>4.55%</td>
<td>5.35%</td>
</tr>
</tbody>
</table>
Physically Handicapped | 0.57% | 1.35%
---|---|---
Minority | 39.87% | 39.75%
General | 50.22% | 48.27%
Total in % | --------------- | ---------------
Total in No. | 3338 | 3255

| 2013-2014 |
|---|---|---|---|---|---|
| General | SC | ST | OBC | Physically Challenged | Total |
| 2831 | 105 | 55 | 220 | 44 | 3255 |

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

The Geology department has special coaching to help the students to Clear the NET-Set exams

No. of students beneficiaries: Approx 30

5.5 No. of students qualified in these examinations

<table>
<thead>
<tr>
<th>NET</th>
<th>3</th>
<th>SET/SLET</th>
<th>-</th>
<th>GATE</th>
<th>-</th>
<th>CAT</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAS/IPS etc</td>
<td>1</td>
<td>State PSC</td>
<td>-</td>
<td>UPSC</td>
<td>-</td>
<td>Others</td>
<td>-</td>
</tr>
</tbody>
</table>

5.6 Details of student counselling and career guidance

The counselling centre is available for students of Xavier’s as well as others. Psychometric tests for aptitudes, interests and personalities are conducted and guidance is given on the basis of the tests results.

Personal counselling is also a service provided for students and outsiders for issues related to family, relationships, stress and other psychological distresses.
5.7 Details of campus placement

<table>
<thead>
<tr>
<th>On campus</th>
<th>Off Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Organizations Visited</td>
<td>Number of Students Participated</td>
</tr>
<tr>
<td>80+</td>
<td>465</td>
</tr>
</tbody>
</table>

5.8 Details of gender sensitization programmes

This academic year began with an Orientation about the Women’s Development Cell of the college, for the First year Students in the first week of August. Ms. Nandita Gandhi from the NGO Akshara along with Mr. Rahul Bose (Activist, Theatre and Film Personality) addressed the students and interacted with them.

In September (Thursday, 12th Sept., 2013) a Self Defence Workshop was held for the Girls students of the Senior College. The workshop was conducted by Mr. Elroy Vaz of Krav Maga Global. 40 students participated in this workshop.

As an ongoing effort to conscientize and sensitize students, Prof. Ruby Pavri from the Psychology Department, has been conducting a series of Lectures across classes and faculties of the First year students of Special Courses.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

<table>
<thead>
<tr>
<th>State/ University level</th>
<th>National level</th>
<th>International level</th>
</tr>
</thead>
<tbody>
<tr>
<td>174</td>
<td>9</td>
<td>-</td>
</tr>
</tbody>
</table>

No. of students participated in cultural events

<table>
<thead>
<tr>
<th>State/ University level</th>
<th>National level</th>
<th>International level</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>55</td>
<td>-</td>
</tr>
</tbody>
</table>
5.9.2 No. of medals /awards won by students in Sports, Games and other events

<table>
<thead>
<tr>
<th>Sports</th>
<th>State/ University level</th>
<th>National level</th>
<th>International level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sports</td>
<td>67</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cultural</td>
<td>20</td>
<td>13</td>
<td>-</td>
</tr>
</tbody>
</table>

5.10 Scholarships and Financial Support

<table>
<thead>
<tr>
<th>Financial support from institution</th>
<th>Number of students</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial support from government</td>
<td>73</td>
<td>9,92,402</td>
</tr>
<tr>
<td>Financial support from other sources</td>
<td>170</td>
<td>4,20,000</td>
</tr>
</tbody>
</table>

5.11 Student organised / initiatives

<table>
<thead>
<tr>
<th>Fairs</th>
<th>State/ University level</th>
<th>National level</th>
<th>International level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhibition</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

5.12 No. of social initiatives undertaken by the students

| 3 |

5.13 Major grievances of students (if any) redressed: _Cleanliness of the Wash Rooms was improved_
Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: SXC looks upon itself as an academic community where scholars, both students and teachers have the freedom and responsibility to communicate, evaluate and enlarge humankind’s store of knowledge. The College stands for academic excellence and endeavours to create an environment which generates the love of learning, a habit of critical thinking and ability for accurate expression. It strives after character formation based on the love of God and service to humanity, with a view to training citizens, who will be remarkable for all round development and in a sincere commitment to God and to Country.

Mission: The challenge is to strengthen the specific character of a Jesuit institution both as Jesuit and as a University. The university connotes a fundamental autonomy, integrity and honesty of a place of serene and open search for and discussion of the truth. Its mission proper is its dedication to research, teaching and the various forms of cultural service, as the indispensable horizon and context for a genuine preservation, renewal and communication of knowledge and human values. The Jesuit character requires that the university act in harmony with the demands of the service of faith in the universal God and the promotion of justice. A faith that does justice must find expression in the life of the University.

6.2 Does the Institution have a management Information System

For admissions and examination results

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

St. Xavier’s College concentrates on developing multiple skills of their students. This helps them to be more Job ready.

The Choice Based Credit System followed at present in the college facilitates partial horizontal movement with regard to choice of subject.

The applied component courses are available to students from all subjects. The ‘Introduction to Neuroscience’ course started last year continues to attract double the number of its capacity of students from all science disciplines.

The Language Lab helps the students to develop the language skills within course curriculum and even outside it.
6.3.2 Teaching and Learning

Peer learning is promoted within and outside the class hours.
Team learning is facilitated through project work, on-the-spot study, and educational forums.
ICT-enabled teaching-learning process has made students participate actively in the classroom.
Meaningful learning is initiated through guided teaching and guided library assignments, group discussion, seminars, debates, quiz, viva, etc.
Inquiry-based learning is provided through community surveys, opinion polls, case studies, industrial visits and fieldwork.

6.3.3 Examination and Evaluation

Semester system with Continuous Internal Assessment (CIA) is followed.
The Principal, the Heads of Departments and Faculty monitor the performance of the students by making an analysis periodically after CIAs and End Semester Exams. Moderation is done for all the Courses at the First and Second year level.
The performance of students is analyzed at the Academic Council meeting held twice a year. All the presentation and assignments are evaluated by Grid sheets which enables students to get a feedback and insure impartiality.

6.3.4 Research and Development

Research is a significant activity of the college. During this academic year, research papers were published in National and International Journals. Papers were presented in National Seminars and Conferences. Research scholars have obtained their Ph. D. from the research centres of our college. 1 major project and 6 minor projects were sanctioned by funding agencies. Teachers have participated in Orientation Programmes and Refresher Courses.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The Library is central to all the academic activities of the college. It provides a place in which to study, material for study and services to assist study. With a computerized database of the books in the Library, the search and retrieval of books is easy. The Reference Library includes reserve counters, overnight loans, photocopying service, reference services, inter-library loans, journals and reference books and a special multimedia facility for accessing CDs and computers. We have also peer learning cubicals. The lending library houses Web-OPAC for
6.3.6  Human Resource Management

The semester system is in place.

The Teaching Assessment Questionnaire (T.A.Q.)

Mentoring students

6.3.7  Faculty and Staff recruitment

| List of new appointments in the Degree College for the academic year 2013-14. |
| Approved by the University |
| 1. Dr. (Ms.) Radhika Tendulkar – Life Science – w.e.f. 10.06.2013 |
| 2. Dr. (Ms.) Pranoti Chirmuley – Sociology – w.e.f. 20.06.2013 |
| 3. Dr. (Ms.) Leena Joshi – Physics – w.e.f. 10.06.2013 |
| 4. Dr. (Ms.) Vijaya R. Lobo – Botany – w.e.f. 01.08.2013 |
| 5. Dr. Priyadarshan P. Keluskar – Microbiology w.e.f. 13.08.2013. (resigned w.e.f. July 2014.) |
| 6. Dr. (Ms.) Manasi K. Kanuga _ Life Science – w.e.f. 14.08.2013. |
| 7. Dr. (Ms.) Aparna A. Talekar – Microbiology – w.e.f. 11.11.2013 |
| 8. Dr. (Ms.) Maya S. Murdeshwar – Life Science – W.e.f. 12.11.2013 |
| 10. Mr. Sayandeep Banerjee – Geology – w.e.f. 24.03.2014 (resigned w.e.f. 01.12.2014) |

Non-Teaching staff. – Approved by the Jt. Director of Education

| 2. Ms. Delina Lopes – Junior Clerk – w.e.f. 20.06.2013 |
| 4. Mr. Adinath Raut – Library Attd. – 11.01.2013 |
| 5. Mr. Nitin Lokhande – Peon – w.e.f. 11.01.2013 |
| 6. Mr. Umesh Chavan – Peon w.e.f. 29.06.2013 |
| 7. Mr. Avinash Agre – Peon w.e.f. 15.04.2014 |

On Management

Non-Teaching staff

| 1. Samir Padrat |
| 2. Uday Mane |
| 3. Uttam Ghatkar |
| 4. Rajeev Gorey |
6.3.8 Industry Interaction / Collaboration

Various Industries sponsor department festivals. They are also some renowned professionals assisting in formulating the syllabus for various departments.

Students are encouraged to take up an Internship during their summer break, mostly first year going to second year students. The faculty help them to get this exposure by recommending their students to various companies and organizations. This internship experience is mentioned in their consolidated marksheet at the end of the third year. In 2013-14, 49 students from the Arts Faculty and 68 from the Science Faculty availed this mention.

6.3.9 Admission of Students

- There is an Online registration for BA, BSc, BMM, BMS, BSc.IT and the Entrance tests are conducted for BMM, BMS.
- Admission to the College is based on Merit.

6.4 Welfare schemes

<table>
<thead>
<tr>
<th></th>
<th>Teaching</th>
<th>Non teaching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td></td>
<td>3,25,000</td>
</tr>
</tbody>
</table>

6.5 Total corpus fund generated

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25,00,000</td>
</tr>
</tbody>
</table>

6.6 Whether annual financial audit has been done

Yes ✔ No □

6.7 Whether Academic and Administrative Audit (AAA) has been done?
<table>
<thead>
<tr>
<th>Audit Type</th>
<th>External</th>
<th>Internal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes/No</td>
<td>Agency</td>
</tr>
<tr>
<td>Academic</td>
<td>No</td>
<td>□□□□□□</td>
</tr>
<tr>
<td>Administrative</td>
<td>No</td>
<td>□□□□□□</td>
</tr>
</tbody>
</table>

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes  Yes ✔ No □

For PG Programmes  Yes ✔ No □

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Informative Assessments Methodologies: use of clickers, peer evaluation, MCQs

Summative Assessment Methodologies:
- Question Paper Template designed for each course in tune with the learning objectives of Bloom’s Taxonomy, prepared during the design of the syllabus
- Grids: Objective assessment, Embedding soft skills in core courses, Feed forward and feedback mechanism
- Optical Mark Recognition for assessment of MCQs.
- Group Assessments: to foster Group dynamics especially for project assessment
- Poster and Oral Presentations of projects undertaken during the semester
- The End Semester Assessment is in the form of a two hour comprehensive written/ Computer based examination for each course held at the end of the semester.

Quality Mechanisms for End Semester Examination:
- Masking of Answer Papers
- Centralised Assessment of Papers
- Moderation of Assessment through External Examiners
- Double blind Evaluation for Third Year courses
- Feedback to Students – display of papers
- Photocopy of Answer papers/challenge evaluation

(a) Progress made in Marking system / Grading System/ Relative Grading System.
The college has adopted a 4 Point Grade System and provides students with the Grade point of each course, the Semester Grade point Average (SGPA) and the Cumulative Grade Point Average (CGPA).
The College also awards the first three students in each Course Combination at the end of the three years on graduation and provides certification of the student’s rank in the group.

(b) Introduction of Credit Based Semester System / Choice Based Credit System:

Revised Guidelines of IQAC and submission of AQAR Page 36
6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Prof. Rajendra Shinde, Vice Principal (Science) has been invited to give talks on Autonomy in colleges outside Mumbai.

Autonomy related presentations in 2013-14:
Dr. Ms. Vivien Amonkar
‘Quality Benchmarks in Autonomy’ at the NAAC sponsored State level conference on Autonomy to Colleges and role of IQAC, Fergusson College, Pune. 10th, 11th September, 2013 (Later published as Conference Proceedings)

6.11 Activities and support from the Alumni Association

- There is an Alumni Association which is in existence since 1902. An Advisory Committee in place. The Xavier’s Development Programme maintains a record of all the alumni.

6.12 Activities and support from the Parent – Teacher Association

In order to communicate to parents the areas their children are excelling in and the academic progress their children have made Parent-Teacher Meetings are held.

6.13 Development programmes for support staff

HRD programmes were held for the support staff. A Staff Picnic is conducted every year. There are two Seminars or Workshops every year for the Faculty, with external resources, often at the College Human Resource Centre in Khandala, outside the city. Faculty members also participate in Seminars and Conferences in other institutions. The international exposure that about half of the Faculty have had, also seeks to enhance professional competence and motivation.

The Non-Teaching Staff have a yearly Seminar for personal enrichment and professional development. More important are the welfare measures on their behalf, which seek to keep
6.14 Initiatives taken by the institution to make the campus eco-friendly

In addition to making Environmental studies a very vital subject in our syllabus, St. Xavier’s College has gone a step further by putting that theory into practice. Thanks to the installation of three sets of solar panels, few parts of the college run on solar energy. Three sets of such panels have been installed in our campus, one in 2004, another in 2010 and the latest in 2013. The latest Solar Panel was installed on the roof of the library building by Thermax India Pvt. Ltd. And sponsored by the State Bank of India, with a Government of India subsidy. The solar panel on the Hall/library building provides electricity to the lecture rooms, the Reference library and the Hall. It is interconnected with the Brihanmumbai Electricity Supply and Transport (BEST) line, which supplements the solar plant when necessary.

A vermiculture pit for raw vegetable waste and bio-composting plant for Kitchen waste, a bore well for non-potable water for the use in toilets and gardens to reduce consumption of municipal potable water, rain water harvesting to replenish and improve the quality of the well water, opting for electronic chokes and CFL bulbs and the segregation of waste into recyclable and non-recyclable are the other ways in which St. Xavier’s attempts to create a clean – green atmosphere in the college.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Honours programme
- TAQ
- Learning for Life lectures
- Blooms taxonomy
- Remedial coaching classes
- Language lab
- SIP
- No. of festivals
- Scientific Communication skills
- Cross Faculty Courses
- Special Courses: Voice for Values
7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

The third set of Solar panels was installed on the roof of the library building by Thermax India Pvt. Ltd. and sponsored by the State Bank of India, with a Government of India subsidy. Also ensured the segregation of Dry and Wet garbage on Campus. 2 New Teachers’ Seminars and 3 Faculty Seminars were held. Regular Teaching Assessment Questionnaires (T.A.Q.) were conducted and discussed with the professors. Proper guidance was provided for the same. Eight Xavierites visited Harvard University from 19th-25th January 2014 to participate in the Harvard College in Asia Program (HCAP) conference along with students from five other Asian countries. Eight Harvard students were at St. Xavier’s from 16th – 22nd March 2014. During this visit we organized an International Conference on ‘Building Sustainable Cities’ with eminent speakers from the field.A specialized intensive short term English Language course was developed for students from Soka University, Japan from 3rd to 12th Feb, 2014.
Encouraged the use of Moodle and workshops were conducted for the same. Purchase of Student Response Devices (Clickers), Optical Mark Recognition (OMR). Students developed thinking skills: self-directed and independent thinking. Coordination makes them develop communication and management skills. The students recognize their strengths and weaknesses.
An Orientation about the Women’s Development Cell of the college, for the First year Students was held in the first week of August. A Self Defence Workshop was held for the Girls students of the Senior College on 12th September, 2013. Voter- Id forms were distributed in college. This enabled students who had just completed 18 years of age to register themselves in the Voting list. A similar procedure was held for the Aadhar Card and Pan Card. The XRCVC (Xavier’s Research Institute for the Visually Challenged) has a national level recognition. It caters to the needs of the Visually impaired students by providing them with screen readers, feeding their notes into the computer and various other facilities. Group Presentations were allowed as a part of C.I.A 2. Emphasis was based on Enquiry based learning. The mentoring system is in place where students can approach their mentors if they face any difficulty on campus. Almost all Class rooms have audio visuals systems. 46 projectors have been purchased since 2010. Masking of Answer Papers for all classes, Moderation of answer papers for FY and SY and Double Blind Evaluation for TY level was introduced.

1 major project and 6 minor projects have been completed this year. The Ford foundation Project was completed in this year. At least 2000 students of the college benefited the counselling facility available in the college. The NSRL on the occasion of its 80th Anniversary along with the Department of Chemistry organized the first International Conference, ‘Chemistry Cutting Edge: Nano Green and Beyond” on January 6th and 7th, 2014. The BMS Department is associated with CIIYI where a lot of activities were conducted.
7.3 Give two Best Practices of the institution*(please see the format in the NAAC Self-study Manuals)*

<table>
<thead>
<tr>
<th>Title of the Practice</th>
<th>1) International Chemistry Conference: Chemistry Cutting Edge- Nano, Green and Beyond</th>
<th>2) Social Involvement Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal</td>
<td>To create a platform for scientists in academia and industry to come together</td>
<td>Making Education more socially relevant</td>
</tr>
<tr>
<td>The Context</td>
<td>Life, by its very nature, is symbolic of interdisciplinary ventures. For the students, the interaction with international and national scientists inspired them to think about basic research as a viable career option</td>
<td>St. Xavier’s has been committed to extending the learning experience beyond the classroom into the real world. The students are encouraged to learn through direct involvement the Indian society</td>
</tr>
<tr>
<td>The Practice</td>
<td>The two day conference was a heady mixture of lectures, poster presentations, a cultural evening and loads of networking. The highlight of</td>
<td>This involvement includes working with children living on the streets and slums, with the physically and mentally challenged, with orphans,</td>
</tr>
</tbody>
</table>
the conference was the public lecture given by Padma Bhushan Dr. V. S. Ramachandran from the University of California.

with domestic workers etc. Under the guidance of 3 social workers, students are required to work a minimum of 60 hours with an NGO in the city or in the rural areas. This is followed by reflection, discussion and reports.

| Evidence of Success | One learnt of the different ways that physicists and chemists approach a problem. Professors demonstrated simple techniques where one can prepare nanoparticles in the lab as well as how to conduct reaction kinetics in a moderately equipped lab. There were participants from U.S.A, Canada, U.K and Germany as well as from Delhi, Rookie, Rohtak, Udaipur, Goa, Gujarat, Bengaluru and Chennai. | Personal involvement with innocent suffering and with the injustice others suffers is the catalyst for solidarity. In the academic year 2013-14, students worked in 152 organizations across Mumbai, Navi Mumbai and Thane District. |
| Problems encountered and Resources required | Finance, Non-availability of NOCs. | Students sometimes feel it a compulsion. Strain on academic records. |
| Notes (Optional) | The faculty of the Department of Chemistry rose to the occasion and everyone put in their contribution according to their capacities and strengths. We were a team of nearly 50 faculty and students drawn even from other departments other than chemistry. |  |
| Contact Details: |  |
| Name of the Principal: | Dr. (Fr.) Frazer Mascarenhas, S.J. |  |
| Name of the Institution: | St. Xavier’s College, Mumbai |  |
7.4 Contribution to environmental awareness / protection

Environmental studies is a vital subject in the syllabus. Encouraging the use of Solar Energy is vital in promotion of renewable energy resources. Three sets of such panels have been installed in our campus, one in 2004, another in 2010 and the latest in 2013. The latest Solar Panel was installed on the roof of the library building by Thermax India Pvt. Ltd. And sponsored by the State Bank of India, with a Government of India subsidy. A vermiculture pit for raw vegetable waste and bio-composting plant for Kitchen waste, a bore well for non-potable water for the use in toilets and gardens to reduce consumption of municipal potable water, rain water harvesting to replenish and improve the quality of the well water, opting for electronic chokes and CFL bulbs and the segregation of waste into recyclable and non-recyclable are the other ways in which St. Xavier’s attempts to create a clean – green atmosphere in the college.

7.5 Whether environmental audit was conducted? ☑️
7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Please find added below the department Reports 2013-14.

8. Plans of institution for next year

- To start a Vocational course for youth - B.Voc in Tourism and Software development.
- To make the teaching and learning environment conducive to the overall development of the student.
- To include more departments into the honours programme
- To encourage technological upgradation
- Increase the emphasis on Research.

Dr. Fr. Frazer Mascarenhas, S.J  
Dr. Fr. Roy Pereira, S.J  
_________________________________________  _______________________________________
Signature of the Coordinator, IQAC  
Signature of the Chairperson, IQAC  

***
Annexure I

Abbreviations:

CAS - Career Advanced Scheme
CAT - Common Admission Test
CBCS - Choice Based Credit System
CE - Centre for Excellence
COP - Career Oriented Programme
CPE - College with Potential for Excellence
DPE - Department with Potential for Excellence
GATE - Graduate Aptitude Test
NET - National Eligibility Test
PEI - Physical Education Institution
SAP - Special Assistance Programme
SF - Self Financing
SLET - State Level Eligibility Test
TEI - Teacher Education Institution
UPE - University with Potential Excellence
UPSC - Union Public Service Commission
Annexure II

SOCIAL INVOLVEMENT PROGRAMME (SIP)

ANNUAL REPORT 2013-2014

In the promotion of social consciousness among the students of St. Xavier’s College (Autonomous), the SIP Department of the College undertook the following activities in the academic year 2013-2014.

A summary of the work undertaken in this academic year is divided into three parts as mentioned below:

A) STUDENTS’ APPRAISAL
B) S.I.P.’s NETWORK WITH ORGANISATIONS
C) ADMINISTRATION AND ASSESSMENT

1.1. A. STUDENTS’ APPRAISAL:


The configuration of students involved was as follows:

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Total No. of students</td>
<td>376</td>
<td>61</td>
<td>294</td>
<td>61</td>
<td>59</td>
<td>851</td>
</tr>
<tr>
<td>Completed</td>
<td>338</td>
<td>40</td>
<td>268</td>
<td>51</td>
<td>47</td>
<td>744</td>
</tr>
<tr>
<td>Pending</td>
<td>38</td>
<td>21</td>
<td>26</td>
<td>10</td>
<td>12</td>
<td>107</td>
</tr>
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The configuration of students who have cleared was as follows:


<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>86</td>
<td>21</td>
<td>16</td>
<td>17</td>
<td>8</td>
<td><strong>148</strong></td>
</tr>
</tbody>
</table>

**1.1. A.3.** 11 out of 31 students completed the S.I.P. credits in their Second Year of graduation.

The summary of the same is as follows:

<table>
<thead>
<tr>
<th><strong>Status</strong></th>
<th>S.Y. B.A.</th>
<th>S.Y. B.M.M.</th>
<th><strong>Total</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Completed</td>
<td>07</td>
<td>04</td>
<td><strong>11</strong></td>
</tr>
<tr>
<td>Pending</td>
<td>16</td>
<td>15</td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

**1.1. A.4.** 40 out of 44 students completed the S.I.P. credits in their Third Year of graduation:

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Completed</td>
<td>08</td>
<td>14</td>
<td>11</td>
<td>05</td>
<td>02</td>
<td><strong>40</strong></td>
</tr>
<tr>
<td>Pending</td>
<td>01</td>
<td>0</td>
<td>01</td>
<td>02</td>
<td>0</td>
<td><strong>04</strong></td>
</tr>
</tbody>
</table>

**1.1. A.5.** Class-wise Orientations were conducted at the beginning of the first semester. The orientation commenced with the Principal highlighting the relevance of social work and its connection with the Jesuit ideology. This was followed by one of the Social Workers explaining the process of registration, the kind of work that could be done and finally answering some of the queries raised by the students. Ms. Jenipher Lopes addressed F.Y.B.A. B, F.Y.B.A. C, F.Y.B.Sc. B, F.Y.B.M.S. and F.Y.B.Sc. I.T. Ms. Evangeline Arethwala addressed F.Y.B.A. A, F.Y.B.M.M., F.Y.B.Sc. A, and F.Y.B.Sc. C.

**1.1. A.6.** Along with the regular S.I.P orientations, the Honours students were also oriented before their term commenced. The students were also guided about the S.I.P. Honours requirement along with the final S.I.P. assignment details. They were given the option to volunteer in their previous NGO or chose a new one based on their interest.
### 1.1. A.7. SUMMARY OF THE STUDENTS’ GRADES (F.Y.B.A.; 2013-14)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Number of Students</th>
<th>Percentage of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>A++</td>
<td>03</td>
<td>0.79</td>
</tr>
<tr>
<td>A+</td>
<td>50</td>
<td>13.29</td>
</tr>
<tr>
<td>A</td>
<td>71</td>
<td>18.88</td>
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<tr>
<td>B+</td>
<td>145</td>
<td>38.56</td>
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<tr>
<td>B</td>
<td>51</td>
<td>13.56</td>
</tr>
<tr>
<td>C+</td>
<td>13</td>
<td>3.45</td>
</tr>
<tr>
<td>C</td>
<td>5</td>
<td>1.32</td>
</tr>
<tr>
<td>D</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Pending</td>
<td>38</td>
<td>10.10</td>
</tr>
<tr>
<td>Total</td>
<td>376</td>
<td>100</td>
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</table>

### 1.1. A.8. SUMMARY OF THE STUDENTS’ GRADES (F.Y.B.M.M.; 2013-14)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Number of Students</th>
<th>Percentage of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>A++</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A+</td>
<td>02</td>
<td>3.27</td>
</tr>
<tr>
<td>A</td>
<td>05</td>
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<td>B+</td>
<td>17</td>
<td>27.86</td>
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<tr>
<td>B</td>
<td>12</td>
<td>19.67</td>
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<tr>
<td>C+</td>
<td>05</td>
<td>8.19</td>
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<tr>
<td>C</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>D</td>
<td>0</td>
<td>0</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Grade</th>
<th>Number of Students</th>
<th>Percentage of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>A++</td>
<td>01</td>
<td>0.34</td>
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<tr>
<td>A+</td>
<td>22</td>
<td>7.48</td>
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<tr>
<td>A</td>
<td>46</td>
<td>15.64</td>
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<tr>
<td>B+</td>
<td>142</td>
<td>48.29</td>
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<tr>
<td>B</td>
<td>36</td>
<td>12.24</td>
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<tr>
<td>C+</td>
<td>16</td>
<td>5.44</td>
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<tr>
<td>C</td>
<td>05</td>
<td>1.70</td>
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<tr>
<td>D</td>
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<tr>
<td>Pending</td>
<td>26</td>
<td>8.84</td>
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<tr>
<td>TOTAL</td>
<td>294</td>
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</table>


<table>
<thead>
<tr>
<th>Grade</th>
<th>Number of Students</th>
<th>Percentage of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>A++</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A+</td>
<td>1</td>
<td>1.63</td>
</tr>
<tr>
<td>A</td>
<td>07</td>
<td>11.47</td>
</tr>
<tr>
<td>B+</td>
<td>10</td>
<td>16.39</td>
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<tr>
<td>B</td>
<td>11</td>
<td>18.03</td>
</tr>
<tr>
<td>C+</td>
<td>19</td>
<td>31.14</td>
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<tr>
<td>C</td>
<td>3</td>
<td>4.91</td>
</tr>
<tr>
<td>Grade</td>
<td>Number of Students</td>
<td>Percentage of students</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>A++</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A+</td>
<td>4</td>
<td>6.77</td>
</tr>
<tr>
<td>A</td>
<td>9</td>
<td>15.25</td>
</tr>
<tr>
<td>B+</td>
<td>17</td>
<td>28.81</td>
</tr>
<tr>
<td>B</td>
<td>10</td>
<td>16.94</td>
</tr>
<tr>
<td>C+</td>
<td>1</td>
<td>1.69</td>
</tr>
<tr>
<td>C</td>
<td>6</td>
<td>10.16</td>
</tr>
<tr>
<td>D</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Pending</td>
<td>12</td>
<td>20.33</td>
</tr>
<tr>
<td>TOTAL</td>
<td>59</td>
<td>100</td>
</tr>
</tbody>
</table>


1.1. B. S.I.P.’s NETWORK WITH ORGANISATIONS

1.1. B.1. In the academic year 2013-14 students worked in 152 organisations across Mumbai, Navi Mumbai and Thane District. The breakup of the number of organisations working on various social issues was: Education (122), Differently-Abled (17), Women (2), Elderly (3), Awareness of Social Issues (3) and Health (5).

1.1. B.2. The percentage of students who worked with these NGO’s was: Education (81%), Differently-Abled (16%), Women (1.5%), Elderly (1%), Awareness of Social Issues (0.25%) and Health (0.25%).
1.1.B.3. The S.I.P. Department collaborated with 42 new organisations, including Community Centre Organisations (CCO) of the parishes in the Archdiocese of Mumbai. The S.I.P. social workers visited the organisations to see the kind of work carried out and discuss the possibility of students’ placements. The supervisors at the organisations were also briefed about the guidelines of the S.I.P.

1.1.B.4. The S.I.P. Department continuously networked with the Supervisors of organizations. Regular meetings were held with the organization in order to monitor the quality of voluntary work rendered by our students.

1.1. B.5. The S.I.P. Department collaborated with Fr. Errol Fernandes SJ and Prof. Gaikwad of the Commerce section of the college in teaching English Grammar & Communication Skills to students with a vernacular medium background. The department had allotted 6 students for this activity.

1.1. B.6. Files containing the S.I.P. Guidelines, Time Sheet, Students’ Certification Note and a photocopy of the students’ S.I.P. Registration Form were given to each organisation. This helped the department to maintain uniformity in the student’s voluntary work records.

1.1. B.7. Feedback of the students’ voluntary work was received from organisations at the end of S.I.P terms through e-mails and post. Many organisations were highly satisfied with students’ efforts in helping the clients of the organisation. Life Trust- an NGO working towards educating the underprivileged also printed one of our student volunteer’s testimony of her work in their news letter.

1.1. C. **ADMINISTRATION AND ASSESSMENT**

1.1. C.1. Assessment of journals was carried out throughout the year. On an average 20-25 journals were assessed per day by the S.I.P. Social Workers.

1.1. C.2. Data was maintained in a register for every journal that was handed over to or taken back from the S.I.P. office.

1.1. C.3. Timely notices were put up throughout the year to remind / update / inform students about their S.I.P. requirements, deadlines and short-term projects.
1.1. C.4. Documentation relating to S.I.P. data was maintained and regularly updated. These documents and the charts prepared have proved to be useful in providing information to various visitors to the S.I.P. Department (including the NAAC Team).

1.1. C.5. On 23rd August, 2014, Ms. Evangeline Arethwala was invited to Bombay Stock Exchange (BSE) Training Institute to talk on the S.I.P. so as to motivate the Training Institute to start such a programme.

1.1. C.6. The S.I.P. staff also addressed a group of teachers who had visited the college on an educational tour on the working of the programme.

1.1. C.7. The Department had developed a programme in Excel to systemize data entry and the marking of the volunteers’ grades.

2 FUTURE PLANS

2.1 Journals for the academic year 2014-15 have to be printed, with some modifications.

2.2 A brochure for the S.I.P. Department is needed.

2.3 Visiting cards for each of the S.I.P. social workers have to be printed for handing over during NGO visits.

The SIP personnel for the year 2013-2014 were:

- **S.I.P. Coordinator**
  Prof. Agnelo Menezes

- **Social workers**
  Ms. Jenipher Lopes
  Ms. Evangeline Arethwala

- **Administrative Staff**
  Ms. Febina Colaco

<table>
<thead>
<tr>
<th>DAY &amp; DATE</th>
<th>Events</th>
</tr>
</thead>
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<tr>
<td><strong>JUNE</strong></td>
<td></td>
</tr>
<tr>
<td>Monday 10th</td>
<td>Academic Year begins.</td>
</tr>
<tr>
<td>Tue 11th</td>
<td>Lectures for SY &amp; TYBA / BSc / BMM / BMS / B.Sc – IT and M.Sc. Part II and M.A. Part II</td>
</tr>
<tr>
<td>Thu 13th</td>
<td>Graduation Ceremony – Arts Faculty</td>
</tr>
<tr>
<td>Fri 14th</td>
<td>Graduation Ceremony – Science Faculty</td>
</tr>
<tr>
<td>Sat 15th</td>
<td>Graduation Ceremony – Commerce, BMM &amp; BMS Faculty</td>
</tr>
<tr>
<td>Fri 21st</td>
<td>Orientation for FYBA</td>
</tr>
<tr>
<td>Sat 22nd</td>
<td>Orientation for FYBSc</td>
</tr>
<tr>
<td>Tue 25th</td>
<td>Orientation for FYBMS/FYBMM Placement Orientation for all T.Y.s</td>
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<tr>
<td><strong>JULY</strong></td>
<td></td>
</tr>
<tr>
<td>Wed 24th – Tue 30th</td>
<td>CIA – I for all classes</td>
</tr>
<tr>
<td>Wed 31st</td>
<td>College Day. Feast of St. Ignatius of Loyola – Patron Prize Distribution</td>
</tr>
<tr>
<td><strong>AUGUST</strong></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>Fri 9&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Ramzan Id : Holiday</td>
</tr>
<tr>
<td>Sun 11&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Malhar Eliminations</td>
</tr>
<tr>
<td>Thu 15&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Independence Day – Holiday, Malhar Conclave</td>
</tr>
<tr>
<td>Fri 16&lt;sup&gt;th&lt;/sup&gt; – Sat 17&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Malhar Finals : No lectures</td>
</tr>
<tr>
<td>Mon 26&lt;sup&gt;th&lt;/sup&gt; – Sat 31&lt;sup&gt;st&lt;/sup&gt;</td>
<td>CIA – 2</td>
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**SEPTEMBER**

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<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Wed 4&lt;sup&gt;th&lt;/sup&gt; – Sat 7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Practical End Semester Exams</td>
</tr>
<tr>
<td>Mon 9&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Ganesh Chaturthi – Holiday</td>
</tr>
<tr>
<td>Tue 10&lt;sup&gt;th&lt;/sup&gt; – Fri 13&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Retests</td>
</tr>
<tr>
<td>Sat 14&lt;sup&gt;th&lt;/sup&gt; Sat 21&lt;sup&gt;st&lt;/sup&gt;</td>
<td>Practical End Semester Exams</td>
</tr>
<tr>
<td>Wed 25&lt;sup&gt;th&lt;/sup&gt; – Fri 27&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Study and Consultation with faculty</td>
</tr>
<tr>
<td>Sat 28&lt;sup&gt;th&lt;/sup&gt; – Sat 12&lt;sup&gt;th&lt;/sup&gt; Oct</td>
<td>End Semester Exams</td>
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**OCTOBER**

<table>
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<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wed 2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>Gandhi Jayanti – Holiday</td>
</tr>
<tr>
<td>Mon 14&lt;sup&gt;th&lt;/sup&gt; – Fri 18&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Evaluation</td>
</tr>
<tr>
<td>Wed 16&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Bakri Id – Holiday</td>
</tr>
<tr>
<td>Sat 19&lt;sup&gt;th&lt;/sup&gt;</td>
<td>End of Semester</td>
</tr>
<tr>
<td>Mon 21&lt;sup&gt;st&lt;/sup&gt; – Sun 10&lt;sup&gt;th&lt;/sup&gt; Nov</td>
<td>Diwali Vacations</td>
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**NOVEMBER**

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</tr>
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<tbody>
<tr>
<td>Mon 11&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Beginning of Semester</td>
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**DECEMBER**

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<th>Event</th>
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<tbody>
<tr>
<td>Tue 3&lt;sup&gt;rd&lt;/sup&gt;</td>
<td>Feast of St. Francis Xavier : Student Council Day</td>
</tr>
<tr>
<td>DAY &amp; DATE</td>
<td>EVENT</td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>29th June 2013</td>
<td></td>
</tr>
<tr>
<td>PRINCIPAL</td>
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<tr>
<td><strong>ST. XAVIER’S COLLEGE, AUTONOMOUS, MUMBAI</strong></td>
<td></td>
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<tr>
<td><strong>JANUARY</strong></td>
<td></td>
</tr>
<tr>
<td>Thu 3rd – Wed 9th</td>
<td>CIA – I</td>
</tr>
<tr>
<td>Thu 10th</td>
<td>Advances in Microbiology – Seminar</td>
</tr>
<tr>
<td>Fri 11th</td>
<td>Xavier’s Leadership Programme Talk : 6.00 p.m.</td>
</tr>
<tr>
<td>Fri 11th – Mon 14th</td>
<td>BMS Festival</td>
</tr>
<tr>
<td>Thu 17th</td>
<td>International Conference on Indian Cinema: English Dept.</td>
</tr>
<tr>
<td>Sat 19th</td>
<td>Seminar : Cancer Research Society and Microbiology Dept.</td>
</tr>
<tr>
<td>Wed 23rd</td>
<td>The Dalai Lama speaks 1.30 p.m.</td>
</tr>
<tr>
<td>Fri 25th</td>
<td>Id-e-Milad : Holiday</td>
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<tr>
<td>Sat 26th</td>
<td>Republic Day : Flat-hoisting at 9.00 a.m.</td>
</tr>
<tr>
<td>Sat 26th – Sun 27th</td>
<td>Janfest</td>
</tr>
<tr>
<td>Wed 30th</td>
<td>Communal Harmony Day : History Dept. &amp; BMM</td>
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<tr>
<td><strong>FEBRUARY</strong></td>
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<tr>
<td>---</td>
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<tr>
<td>Mon 11&lt;sup&gt;th&lt;/sup&gt; – Sat 16&lt;sup&gt;th&lt;/sup&gt;</td>
<td>CIA – 2</td>
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<tr>
<td>Tue 19&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Shivaji Jayanti – Holiday</td>
</tr>
<tr>
<td>Wed 20&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Submission of CIA marks</td>
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<td>Fri 22&lt;sup&gt;nd&lt;/sup&gt; – Tue 26&lt;sup&gt;th&lt;/sup&gt;</td>
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<td>Fri 1&lt;sup&gt;st&lt;/sup&gt; – Fri 8&lt;sup&gt;th&lt;/sup&gt;</td>
<td>FY/SY/TY Science Practical Exams</td>
</tr>
<tr>
<td>Sat 9&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Last day for lectures/practicals</td>
</tr>
<tr>
<td>Mon 11&lt;sup&gt;th&lt;/sup&gt; – Wed 13&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Study days</td>
</tr>
<tr>
<td>Thu 14&lt;sup&gt;th&lt;/sup&gt; – Thu 28&lt;sup&gt;th&lt;/sup&gt;</td>
<td>FY / SY End Semester Exams</td>
</tr>
<tr>
<td>Sat 16&lt;sup&gt;th&lt;/sup&gt; – Tue 26&lt;sup&gt;th&lt;/sup&gt;</td>
<td>TY End Semester Exams</td>
</tr>
<tr>
<td>Wed 27&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Holi – Holiday</td>
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<th><strong>APRIL</strong></th>
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<tbody>
<tr>
<td>Mon 1&lt;sup&gt;st&lt;/sup&gt; – Wed 10&lt;sup&gt;th&lt;/sup&gt;</td>
<td>FY/SY/TY Science Practical Exams</td>
</tr>
<tr>
<td>Sat 6&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Submission of End Semester Exam marksheets</td>
</tr>
<tr>
<td>Mon 8&lt;sup&gt;th&lt;/sup&gt; &amp; Tue 9&lt;sup&gt;th&lt;/sup&gt;</td>
<td>FY/SY Moderation</td>
</tr>
<tr>
<td>Mon 8&lt;sup&gt;th&lt;/sup&gt; – Fri 12&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Double Blind Centralized Corrections</td>
</tr>
<tr>
<td>Thu 11&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Gudi Padwa – Holiday</td>
</tr>
<tr>
<td>Wed 17&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Submission of TY marksheets</td>
</tr>
<tr>
<td>Fri 19&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Ram Navami – Holiday</td>
</tr>
<tr>
<td>Wed 24&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Mahavir Jayanti – Holiday</td>
</tr>
<tr>
<td>Tue 30&lt;sup&gt;th&lt;/sup&gt;</td>
<td>End of Academic Year Faculty Meeting</td>
</tr>
</tbody>
</table>

9<sup>th</sup> January 2014

**PRINCIPAL**
Annexure V

Department Reports- Arts

2013-2014

Masters in Arts

MPP

Department Report
Session: 2013 - 2014

1. Name of Department: Public Policy
2. No. of full time permanent faculty : 2
3. No. of part time Visiting/temporary contractual faculty: …4…/………
4. No. of PG / UG courses:…1…… Ph.D. Students: …0.;
5. Curriculum Revisions Info: Revised Every Academic Year
6. Research: Publications International:….0…
   National: …0.
   National Conferences:….0.
   International Conference: …..
   Ph.D. Theses Submitted:  0….  Awarded:…0…
   Number of Conferences/Lectures Organised:…3
7. No. of Department Library: Printed Books added: …5..
   Web-resources CDs added …0…
   e-Books added: 0…
8. No. of Faculty using ICT and PPTs: …6…
9. New Equipment and Infrastructure added: …One Overhead Projector, One Wi-Fi router, one Apple iPad…
10. Strengths :
    • Good quality Faculty
    • Good Quality Students
    • Good Internship Programme
    • Good Student Research programme
    • Ability to constantly modify syllabus (autonomous status)
11. Weaknesses :
    (1) Evening timing allows for students to take up a Job and hence lowers time for academic engagement
    (2) University BA/BCom results delayed resulting in late start to academic programme
12. Student Feedback on Curriculum: Yes
Teaching Learning-Evaluation Processes: Yes
13. Recommended actions:
Greater stress on Publications.
Organize a few conferences.

Head of Department,
Dr. Baptist Agnel Menezes

IQAC, Chairperson
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Dr. Roy Pereira, S.J.
Vice-Principal(Academics)

Bachelor in Arts
Ancient Indian Culture
Commerce
Economics
English
French
Hindi
History
Psychology
Mathematics
Political Science
Sociology and Anthropology

Department Report
Session: 2013 – 2014
Name of Department: Ancient Indian Culture

Name of Department: Ancient Indian Culture

1. No. of full time permanent faculty: 2
2. No. of part time Visiting/temporary contractual faculty: 09
3. No. of PG / UG courses: FY, SY, TY, M.A., PhD Ph.D. Students: 1;
4. Curriculum Revisions Info: None
5. Research: Publications International:—
   National: --4
   International Conference: 1
   Ph.D. Theses Submitted: 1 Awarded: Nil
6. No. of Department Library: Printed Books added: Nil
   Web-resources CDs added --Nil
   e-Books added: -- Nil
7. No. of Faculty using ICT and PPTs: 2
8. New Equipment and Infrastructure added: -Laptop
9. Strengths:
   • The Department of Ancient Indian Culture in collaboration with Michigan University and Deccan College, Pune hold Site Seminars at Ajanta Caves, delivered by Emeritus Prof. Walter Spink.
   • Each year the Department of Ancient Indian Culture organizes VIVIDHA, the two- day departmental festival where in a theme is selected, charts, models, cuisine, etc. are exhibited based on the theme. The departmental magazine RCA featuring articles written by the students on the theme is released during the festival.
   • The Department publishes an annual magazine RCA featuring articles written and edited by the students on the theme of the festival and is released during the festival.
   • The Department has a strong interdisciplinary focus and also holds joint workshops and programmes with Museum Society of Bombay, Chhatrapati Shivaji Maharaj Vastu Sangrahalaya, Museum Art Conservation Centre, Heras Institute, Bombay Local History Society.

10. Weaknesses:
(3) Lack of additional staff member, does not permit the existing staff to do research.
(4) Less space
(5) Infrastructural facilities lacking: Wi-fi, intercom, projector, etc

11. Student Feedback on Curriculum: Yes or No: Yes
   Teaching Learning-Evaluation Processes: Yes or No: Yes

12. Recommended actions: --

Head of Department,
Dr. Anita Rane- Kothare

IQAC, Chairperson
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Dr. Roy Pereira, S.J.
Vice-Principal(Academics)

Department Report
Session: 2013 - 2014

Name of Department: Department of Economics & Commerce
1. No. of full time permanent faculty: 4
2. No. of part time Visiting/temporary contractual faculty: 2
3. No. of PG / UG courses: …FY, SY, TY B.A. Economics, FYBSc Economics……
   Ph.D. Students: Nil
4. Curriculum Revisions Info:
5. Research: Publications International: ……
A) Dr. Aditi Sawant –
   2. 'An Analysis of pattern and trend of FDI and its impact on India’s services sector in the pre and post crisis period’ National conference on ‘Trade in services in India and Inclusive Growth Paradigm: Emerging Opportunities and Future Challenges’, Centre for WTO studies, IIFT, New Delhi (Aug. 2013)
   3. 'Food versus Biofuel: Implications for Food Security’ National Conference on ‘Emerging Challenges, Opportunities and Issues Related to WTO and Indian Agriculture Sector’ Centre of WTO Studies, Indian Institute of Foreign Trade, New Delhi. (Nov. 2013)
4. Foreign Direct Investment in Indian Higher Education System’ CESI Annual International Conference, Department of Economics, University of Calcutta, Calcutta. (Dec. 2013)

B) Dr. Agnelo Menezes – (National)


5. Ph.D. Theses Submitted: Nil. Awarded: Nil
Number of Conferences/Lectures Organised: ----- 
6. No. of Department Library: Printed Books added: …..
Web-resources CDs added …….
e-Books added: …
7. No. of Faculty using ICT and PPTs: …4…
8. New Equipment and Infrastructure added: …1 laptop…
9. Strengths :
• Well qualified faculties from different universities

10. Weaknesses :
Shortage of space

11. Student Feedback on Curriculum: Yes or No  Yes
12. Teaching Learning-Evaluation Processes: Yes or No Yes
13. Recommended actions : ---

Head of Department,
Dr. Aditi Sawant

IQAC, Chairperson
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Dr. Roy Pereira, S.J.
Department Report
Session: 2013 – 2014

1. Name of Department: English
2. No. of full time permanent faculty : 3
3. No. of part time Visiting/temporary contractual faculty: Nil
4. No. of PG / UG courses: FY, SY, TYBA; SYBSc…??????…… Ph.D. Students: Nil
5. Curriculum Revisions Info: Nil
6. Research: Publications International:Nil
   National: Nil
   National Conferences: Nil
   International Conference: 1
Dr. Shefali Balsari-Shah participated in a conference ‘Education and the Elite’ in Japan, organized by the Global Next Leaders Forum
   Ph.D. Theses Submitted: 1  Awarded: Nil
   Number of Conferences/Lectures Organised:
No. of Department Library: Printed Books added:Nil
   Web-resources CDs added :Nil
   e-Books added:Nil
7. No. of Faculty using ICT and PPTs: 3
8. New Equipment and Infrastructure added: Nil
9. Strengths :
   • The Department of English and Stuttgart University (Germany) have joined an online ‘In Conversation with Globalization’. In 2011, St. Louis University (USA) joined the programme and in 2013 Stellenbosch University (South Africa) became the fourth Partner.
   • Each year the Department of English organizes Ithaka, a weeklong festival of theatre, lectures and events. The plays are directed (and often written) by students, who also handle all aspects of production, set and costume design, technicals and of course acting
   • The Department publishes an annual journal, ‘Ithaka’, with research papers written and edited by our students
   • The Department has a strong interdisciplinary focus.
10. Weaknesses :
11. We are constrained because of the large size of our classes- the very nature of our subject requires interaction and monitoring in smaller groups.
12.
13.
14. Student Feedback on Curriculum: Yes
   Teaching Learning-Evaluation Processes: Yes
15. Recommended actions :
Head of Department,
Dr. Shefali Bansali Shah

IQAC, Chairperson
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Dr. Roy Pereira, S.J.
Vice-Principal(Academics)

**Department Report**
Session: 2013 - 2014

1. Name of Department: French
2. No. of full time permanent faculty : 01
3. No. of part time Visiting/temporary contractual faculty: Nil
4. No. of UG courses: 04 (French Compulsory, French Ancillary, and 2 courses of SYBA).
5. Students: FY 160 SY 15
6. Curriculum Revisions Info: Updated syllabus is on the Xaviers website
7. Research: Publications International: -NA-
   National:–NA-
   National Conferences. NA
   Ph.D. Theses Submitted: -NA- … Awarded:-NA-……
   Number of Lectures Organised:… A workshop was conducted for SYBA students on “Améliorer la phonétique des idées ludiques” by Dr. Vasumathi Badrinathan, Head of Department, Ramnarain Ruia College, in July 2013. Jean Luc Maze and Florence Petite visiting faculty from a school in Morlain, Brittany, France did presentations and spoke to our students on various topics like ‘La crise économique en France’, ‘Les années Sarkozy et Hollande’ and ‘La Révolution Française’ in August 2013.
8. No. of Department Library: Printed Books added: -NA-.
   Web-resources CDs added Nil
   e-Books added: Nil
9. No. of Faculty using ICT and PPTs: All
10. New Equipment and Infrastructure added:-NA-
11. Strengths :
   • Use of Technology
   • Diversified innovative syllabus
12. Weaknesses:

13. Teacher student ration vast specially for teaching a foreign language

14. Student Feedback on Curriculum: Yes Students response sheet on syllabus
   Teaching Learning-Evaluation Processes: Yes TAQ

15. Recommended actions:

Head of Department,
Ms. Alpana Palkhiwale

IQAC, Chairperson
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Dr. Roy Pereira, S.J.
Vice-Principal(Academics)

**Department Report**
Session: 2013 - 2014

1. Name of Department: Hindi
2. No. of full time permanent faculty: 1
3. No. of part time Visiting/temporary contractual faculty: None
4. No. of PG/UG courses: FY, SY
5. Curriculum Revisions Info: HIC 2.01 wherein Shashi Bharti was introduced which is a compilation of Poems, Short stories and Essays of different genres.
6. Research: Publications International: None
   National: None
   National Conferences: None
   International Conference: Hindi Department organized one day International Seminar on “Samakalin Hindi Upanyas- Avlokan ke vibhinn bindu.”
7. Awarded: None.
   Number of Conferences/Lectures Organized: None
   No. of Department Library: Printed Books added: None
   Web-resources CDs added: None
   E-Books added: None
8. No. of Faculty using ICT and PPTs: 1.
9. New Equipment and Infrastructure added: None.
10. (i) Strengths:

* The Hindi Department organizes Annual Seminar in Khandala where students present papers and conduct sessions on various aspects of Hindi Literature and media.
• Each year the Hindi Department organizes a week long Department Festival Antas which focuses on Hindi Literature, Theatre and Music.
• In terms of literature, Antas organizes an inter collegiate extempore, elocution and creative writing competition called Bhartendu Upchar. Around 18 colleges from all over Mumbai participated in the same.
The other focus was Kavi Sammelan where our college students and Professors read out poems written by them.
• In providing encouragement to theatre in college, we have college students write original plays and also direct and act in the same. The props and Lighting, background scores, sounds etc are managed by the students themselves.
• The flagship event of Antas is our Musical Show, where students are trained for solo, duet and group singing wherein they perform with a live orchestra consisting of professional musicians.
• As a part of HIA 3.01, CIA 2: students presented a 50 minutes long production of a Hindi play.

10. (ii) Weaknesses:

11. Compulsory classes consist of above 100 students, wherein it becomes difficult to conduct activities that bring out the creativity of students.
12. No Hindi classes are conducted in TY, wherein many interested and able students feel the loss.

11. Student Feedback on Curriculum: Yes or No Yes.
   Teaching Learning-Evaluation Processes: Yes or No Yes
Head of Department,
Dr. Asha Naithani Dayama

IQAC, Chairperson
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Dr. Roy Pereira, S.J.
Vice-Principal(Academics)

Department Report
Session: 2013 – 2014

1. Name of Department: History
2. No. of full time permanent faculty: 2
3. No. of part time Visiting/temporary contractual faculty: --NIL
5. Curriculum Revisions Info: None
6. Research: Publications International: NIL


National Conferences:— Dr. Fleur D’Souza 18th November – 19th November, 2013: Presented a paper at the inaugural conference of the ORAL HISTORY ASSOCIATION OF INDIA (OHAI) at the United Theological College, Bangalore. The theme of the seminar was Oral history in our times. The paper presented was entitled “Hesitant Explorations in Oral History: the Pawaras of Shirpur, history, identity, and relationship with the forest.”

International Conference: NIL
Ph.D. Theses Submitted: Nil  Awarded: Nil
Number of Conferences/Lectures Organised:--

1. Part of the organizing team for the 22nd session of the Indian Art History Congress at St. Xavier’s College, Mumbai in October 2013.
2. On 30th January, 2014, the department commemorated the death anniversary of Gandhiji as Communal Harmony Day with a talk by Dr. Ram Puniyani. He gave a special address on the role of Gandhi in national integration.
3. 21st February, 2014. A panel discussion titled ‘Rise Up!’ featuring three prominent RTI activists, Mr. Shailesh Gandhi, Mr. Samir Zaveri and Mr. Jain.

7. No. of Department Library: Printed Books added: --Nil
Web-resources CDs added : Nil
e-Books added: --Nil
8. No. of Faculty using ICT and PPTs: 2
9. New Equipment and Infrastructure added: --Nil
10. Strengths : Vibrant and enthusiastic staff and students

11. Weaknesses :
12. Student Feedback on Curriculum: Yes or No   Yes  
   Teaching Learning-Evaluation Processes: Yes or No Yes  
13. Recommended actions: --Some minor changes in syllabus of TYBA in order to make it more streamlined.

Head of Department,  
Dr. Fleur D’Souza

IQAC, Chairperson  
Dr. Frazer Mascarenhas, S.J.

IQAC, Director  
Dr. Roy Pereira, S.J.  
Vice-Principal(Academics)

**Department Report**  
Session: 2013 - 2014

1. Name of Department: PSYCHOLOGY  
2. No. of full time permanent faculty : 3  
3. No. of part time Visiting/temporary contractual faculty: ---  
4. No. of PG / UG courses: FY(1), SY(4), TYBA (6 including practicals);  
   Ph.D. Students: ---  
5. Curriculum Revisions Info: None  
   Publications National: --Nil  
   National Conferences:  
   International Conference: Prof. Ruby Pavri and Prof. Linda Dhakul attended the international conference organized by the Bombay Psychological Association, from 2\textsuperscript{nd} to 4\textsuperscript{th} December 2013, on ‘Family at the crossroads’.  
   Ph.D. Theses Submitted: Nil  
   Awarded: -Nil  
   Number of Conferences/Lectures Organized: - Nil  
7. No. of Department Library: Printed Books added: --Nil  
   Web-resources CDs added --Nil  
   e-Books added: --Nil  
8. No. of Faculty using ICT and PPTs: 2  
9. New Equipment and Infrastructure added: Nil  
10. Strengths:
The Psychology Department organizes several cocurricular learning activities for student enrichment
  o Workshops held on
    ▪ Interpersonal and intrapersonal effectiveness (by Ms. Sindhura Tamanna)
    ▪ Crisis intervention (by Ms Ruchi Bhramachari)
    ▪ Research Operations (by Ms Hansika Kapoor)
    ▪ Self awareness, using Transactional Analysis (Ms Khushman Engineer)
    ▪ Problem solving and creative thinking (by Ms Benaaz Irani)
  o Students presented papers at the annual seminar, the theme was Biological, Psychological, Neurological approach to Psychology
  o Many of the students of social psychology conduct an observational study, along with a questionnaire on ‘interpersonal attraction’

An annual journal/magazine called ‘Uncommon Sense’ is published with articles written and edited by students. The theme for the 2013-14 edition was Cyber psychology
The faculty are invited as resource persons for workshops and presentations by other departments both in and out of college
Outstanding performance by psychology students. Faculty topper for the first autonomous batch of graduates (2010-2013) was Disha Sabharwal and for the next batch of graduates (2011-2014) was Juhi Modi

11. Weaknesses:
    • The challenging syllabus that has been drawn up often requires additional classes to be held especially towards the end of each semester
    • Lack of personal research by staff

12. Student Feedback on Curriculum: (Yes or No) Yes
    Teaching Learning-Evaluation Processes: (Yes or No) Yes

13. Recommended actions: --

Head of Department,
Ms. Maureen Almeida

IQAC, Chairperson
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Dr. Roy Pereira, S.J.
Vice-Principal(Academics)
Department Report
Session: 2013 - 2014

1. Name of Department: Political Science
2. No. of full time permanent faculty : 2
3. No. of part time Visiting/temporary contractual faculty:
4. No. of PG / UG courses: FY, SY, TYBA; SYBSc………
5. Curriculum Revisions Info: paper 5.02 & 6.02 revised.
6. Research: Publications International: -- Nil
   National: -- Nil
   National Conferences:--Nil
   International Conference:
   Ph.D. Theses Submitted:  1.  Awarded:……
   Number of Conferences/Lectures Organised:-- Nil
No. of Department Library: Printed Books added: --.4
   Web-resources CDs added- Nil
   e-Books added: --Nil
7. No. of Faculty using ICT and PPTs: 2
8. New Equipment and Infrastructure added: -- NIL
9. Strengths :
   - Every year the Political Science Dept prints its annual magazine Vox Polpuli with research papers and articles written by the students along with interviews of prominent personalities.
   - The Department organizes Parliamentary debate.
   - The Department organizes workshops and film week on relevant socio-political issues.
   - Prof Pratiba Naithani organized visit to Vidhan sabha for the TYBA students to give them firsthand experience of the working of the state legislature, a visit to Mani Bhavan was also organized, a regular activity of the department.
   - The faculty is very experienced, well read and popular among the students.
   - Students are given full opportunity for growth and development of their personality, through interactive lectures, visits to various institutions for the exposure, magazine, parliamentary debates etc.
   - The Department has a strong interdisciplinary focus.
10. Weaknesses :
11. We are constrained because of the large size of our classes.
12. It is also a physical constrain as the number of lectures are high, no microphones in the class and the class strength is also big.
13. Too much of paper and administrative work.
14. A lot of correction work which deprives the teachers of any time for research or any such other work.

15. Student Feedback on Curriculum: Yes or No: Yes
   Teaching Learning-Evaluation Processes: Yes or No: Yes
16. Recommended actions: --

Head of Department,
Ms. Aruna Sundaresh

IQAC, Chairperson
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Dr. Roy Pereira, S.J.
Vice-Principal(Academics)

**Department Report**
Session: 2013 - 2014

1. Name of Department: Department of Sociology and Anthropology
2. No. of full time permanent faculty: 5 + Principal
3. No. of part time Visiting/temporary contractual faculty: --
4. No. of PG / UG courses: FY, SY, TYBA; FYBSc, SYBSc. Ph.D. Students: --
5. Curriculum Revisions Info: None
6. Research:
   Publications National:
   Dr Sam Taraporevala
   Publications International: --
Conferences National:
Dr Sam Taraporevala:
   a. Was keynote speaker at the state-level seminar on Educational and Career Guidance for the Visually Challenged on the 29th of June 2013 at the Blind Students’ Learning Centre, Department of Education and Extension in association with the Office of Student Welfare, University of Pune. He also presented on the theme ‘Careers in the Social Sciences.’
b. Gave inaugural address at a seminar on Disability at Miranda House, Delhi
Madhuri Rajjada

a. Facilitated a session on Regional Disparities in Economic Growth – A Sociological Analysis of the Informal Sector in India at the Summer School 2013 with students from the University of California, Berkeley, USA and St. Xavier’s College (Autonomous), Mumbai, India titled ‘Economics and Development in Indian Society’ on the 5th of July 2013.

b. Presented a paper on “Middle Class: Historical Moorings (Continuities and Discontinuities)” at an international conference ‘Tracking the growth of India’s middle class’ which was held in Baroda from 27th November 2013 to 29th November 2013.

Vinita Bhatia


Fr Arun de Souza

a. Facilitated a session on Regional Disparities in Economic Growth – “Rural Fantasies, Urban Dreamscapes: The Story of Maharashtra’s Regional Disparities” at the Summer School 2013 with students from the University of California, Berkeley, USA and St. Xavier’s College (Autonomous), Mumbai, India titled ‘Economics and Development in Indian Society’ on the 5th of July 2013.


Pranoti Chirmuley

a. Presented a paper titled: “Parsi Zoroastrians Abroad: Questions of Migration, Change and Identity” at the Trinity College Round Table Discussion on the theme of Identity and Migration held on the 30th of August, 2013.

Conference International:

Dr Sam Taraporevala

a. Was the lead plenary speaker at a national conference ‘Harnessing Technology for the Empowerment of Persons with Visual Impairment’ on the theme ‘Accessing Banking Services–A Retrospect and Prospect’ organized by the National Institute of the Visually Handicapped in New Delhi.

b. Jointly presented a paper on ‘Numbers and Reactions’ at Techshare, New Delhi

c. Was moderator in the introductory panel discussion on Why Accessibility Matters for Financial Services in the high-level meeting on Leveraging Accessible Technologies to Bring in the Unbanked in India organized by G3ict, IBA and XRCVC

Pranoti Chirmuley

a. Presented at the International conference with students and faculty of the University of Stuttgart (Germany), St. Louis University (USA), Stellenbosch University (South Africa) and St. Xavier’s College (Autonomous) on ‘Globalisation and Mobility’ held
in January 2014 at the college. She spoke on ‘Parsis, Diaspora and Questions of Identity Preservation’

Ph.D. Theses Submitted: -- Awarded: 1

Number of Conferences/Lectures Organised: The department runs the Honours programme and through the year organised a number of courses including:

- Winter Seminar on Environmental Justice by Ms. Janjri Jasani and Ms. Edel Monteiro. The course ended with an action project wherein the students participated in a beach clean-up drive after the festival of Ganesh Chaturthi.
- Sustainable Development by Ms. Denise Fernandes, an alumna of the college. As a final project, participants conducted fieldwork research on various topics of their choice.
- Anthropology of Photography by Ms. Suryanandini Narain in November.
- Understanding Environment: Conducted by Dr Sunetro Ghosal was a lecture series that dwelled on the complexity of the 'environment'. The lectures sought to discuss, argue and understand different perspectives, while encouraging critical debate to look beyond the 'perceived obvious'.
- Film and Society: Conducted by Ms Sayalee Karkare was a workshop cum lecture series in February 2014. It used film as an aid toward understanding German society and culture. Several iconic films from Germany, including documentaries as well as feature films, were screened.
- Annual Department Seminar: The Annual Department seminar was held in the Xavier’s Villa at Khandala. The theme for the seminar was “Religion in Contemporary Times”. It witnessed students presenting papers that had a base both in theory and reality.

7. No. of Department Library: Printed Books added: --
   Web-resources CDs added: --
e-Books added: --

8. No. of Faculty using ICT and PPTs:6

9. New Equipment and Infrastructure added: Acquired 1 laptop for departmental use

10. Strengths: Open to feedback, Focused approach, Innovative, Team spirit, Open door policy with students (Approachable staff), Encourages inter department programmes

11. Weaknesses: Fees are low, 10% students have language problems, Space constraints (e.g. no personal offices or easily available spare classrooms), Students used to rote learning, Over stressed teaching and evaluation workloads, Very few good Indian teaching texts that are decently priced

12. Student Feedback on Curriculum: Yes
    Teaching Learning-Evaluation Processes: Yes

13. Recommended actions: Feedback incorporated in pedagogy

Head of Department,  
Dr. Sam Taraporevala

IQAC, Chairperson  
Dr. Frazer Mascarenhas, S.J.

IQAC, Director
Annexure VI

Department Reports - Science

2013-2014

Science

Botany

Chemistry

Geology

Life Sciences and Biochemistry

Mathematics

Microbiology

Statistics

Zoology

Biotechnology
Department Report
Session: 2013 - 2014

1. Name of Department: Botany
2. No. of full time permanent faculty: 6
3. No. of part time Visiting/temporary contractual faculty: Nil/Nil
4. No. of PG / UG courses: 1 PG Course (2 specializations), 1 UG Course; Ph.D. Students: 7
5. Curriculum Revisions Info:
6. Research: Publications International: ... 2
   National: ...
   National Conferences: ... 2
   International Conference: ... 2
   Ph.D. Theses Submitted: ... 1  Awarded: ... 1
   Number of Conferences/Lectures Organised: ... 2
7. No. of Department Library: Printed Books added: Nil
   Web-resources CDs added: Nil
   e-Books added: Nil
8. No. of Faculty using ICT and PPTs: 5
10. Strengths:
    (1) Experienced senior faculty
    (2) 33% of the faculty involved in active research with 7 students working in the department for their Ph.D. degree.
    (3) Blatter Herbarium
11. Weaknesses:
    (1) Heavy paperwork and clerical work
    (2) More workload
    (3) Lab Space crunch and time crunch
12. Student Feedback on Curriculum: Yes. Students representatives (two) are members of BOS in Botany and they have expressed their views on the topic/s they found difficult or lengthy or repeated. Their suggestions were considered and modifications were made accordingly in the syllabi. They also expressed that the syllabi are relevant and up-to-date.
13. Teaching Learning-Evaluation Processes: Yes. Regular tests (objective – 2 to 5 marks) were given to students. Quiz, presentations and field visits were organized to make the teaching and learning process more interesting.
14. Recommended actions:

IQAC, Chairperson  Head of Department  IQAC, Director
1. Name of Department: CHEMISTRY
2. No. of full time permanent faculty : 12
3. No. of part time Visiting/temporary contractual faculty: Nil
4. No. of PG / UG courses: 20  Ph.D. Students: 2
5. Curriculum Revisions Info: Revision of Courses S.CHE. 1.01, 1.02, 5.01PR, 5.04PR, 6.01PR and 6.04PR
6. Research: Publications International: 3
   National: 5
   National Conferences: Nil
   International Conference: 2
   Ph.D. Theses Submitted: 1 Awarded: 3
   Number of Conferences/Lectures Organized: 1 (International Conference in Chemistry)
7. No. of Department Library: Printed Books added: Nil
   Web-resources CDs added: Nil
   E-Books added: Nil
8. No. of Faculty using ICT and PPTs: 12
9. New Equipment and Infrastructure added: 5 Conductometers, 5 pH-meters,
   5 Colorimeters, 5-Potentiometers, 1 UV-Vis Spectrophotometer, 3 Nephelometers
10. Strengths :
    • Excellent Teaching Skills
    • Excellent Teacher-Student rapport
    • Improved facilities with respect to instrumentation for enhancing Practical skills
    • Increase in exposure of students towards industry
11. Weaknesses :
    (1) Lack of faculty for Inorganic Chemistry Teaching
    (2)
    (3)
12. Student Feedback on Curriculum: Yes
    Teaching Learning-Evaluation Processes: Yes
13. Recommended actions :
    i) Thrust towards research using the CE grant awarded to the Department of Chemistry.
    ii) Improvement in utilization of ICT by the faculty.

IQAC, Chairperson                           Head of Department                  IQAC, Director
Department Report
Session: 2013 - 2014

1. Name of Department: Geology
2. No. of full time permanent faculty : 8 (presently employed 06)
3. No. of part time / temporary contractual faculty: 01
4. No. of PG / UG courses:
   - FY: 04, SY: 06, TY: 08 + 02 Applied Component Gemmology courses. MSc: 15
   - No. of Students: FY: 84. SY: 62 TY: 36. MSc: 20 + 19 Ph.D.: 02
5. Curriculum Revisions Info: Yes. The MSc 3rd and 4th semester syllabus was revised.
   A compulsory dissertation was added as part of the 4th semester course.
6. Research: Publications International:

   List of Publications and Conference presentations in Academic Year 2013-14 from the Department of Geology, St. Xavier's College.

   a. Ashwin Pundalik (2014)
      i. ‘Quaternary Sedimentation History from Bharkacch-Bari-Bareli-Sohagpur area of Central Narmada Basin, Hoshangabad and Raisen Districts, M.P.’
         (paper presentation) 30th Convention of Indian Association of Sedimentologists” 28-30 November, 2013 at Department of Geology, Manipur University, Imphal, India.

   b. Bobby Mathew and H.P. Samant (2014):
      i. 'Impact of Spatial Orientation of Basic Dykes on Hydrogeology in the North Western Part of Maharashtra State, India'. (Poster presentation) Geospatial World Forum 2014 Geneva, Switzerland on 9th May 2014.
      ii. 'Assessment of groundwater quality around Nandurbar city and surrounding areas, Nandurbar District, Maharashtra, India'. International Conference On“Water, Wastewater & Isotope Hydrology”IC-Wwish-2013, 25-27th July 2013, Bangalore, India.

   c. Farjana Birajdar and H.P. Samant (2014):
      i. 'Glacier changes in the Bhaga Basin of Western Himalaya during the Past 50 Years based on Temporal Analysis of Remotely Sensed Data'. (Poster presentation) Geospatial World Forum 2014 Geneva, Switzerland on 9th May 2014.

   d. Goutam Bandyopadhyay 2014:
      i. 'Gold Occurrences in Sudan' organized by the Dept. of Geology, Govt. MotilalVigyanMahavidyalaya, Bhopal (M.P) under the aegis of: Madhya Pradesh Council of Science and Technology, Bhopal (M.P), South Asian Association Of Economic Geologist (SAAEG) and Indian Science Congress Association Bhopal Chapter and Indian Science Congress Association (ISCA), Bhopal Chapter. (Abstract)
e. **Henriques P.J., 2014:**
   
i. Basic gem identification techniques versus modern day high tech instrumentation methods. Fifth National Seminar on “Gemmology” organized by the Dept. of Geology, Govt. Motilal Vigyan Mahavidyalaya, Bhopal (M.P) under the aegis of: Madhya Pradesh Council of Science and Technology, Bhopal (M.P), South Asian Association Of Economic Geologist (SAAEG) and Indian Science Congress Association Bhopal Chapter and Indian Science Congress Association (ISCA), Bhopal Chapter. (Abstract)

   ii. Ultraviolet light: its application and use in gem identification. Fifth National Seminar on “Gemmology” organized by the Dept. of Geology, Govt. Motilal Vigyan Mahavidyalaya, Bhopal (M.P) under the aegis of: Madhya Pradesh Council of Science and Technology, Bhopal (M.P), South Asian Association Of Economic Geologist (SAAEG) and Indian Science Congress Association Bhopal Chapter and Indian Science Congress Association (ISCA), Bhopal Chapter. (Abstract)


   

7. **No. of Faculty using ICT and PPTs:** All (Along with PPT, faculty also use iPads with relevant Apps which make the teaching learning process intuitive. Geology being a fieldwork based subject, all faculty members are involved in field work along with students)

8. **New Equipment and Infrastructure added:**
a. 03 Hand Held GPS units  
b. Electrical Resistivity for Water table detection setup (low frequency),  
c. Laptop  
d. 07 Petrological Microscopes (Lynx)  
e. Stereo zoom Microscopes 05  
f. 02 Mirror stereoscopes (Australian)  

9. **Strengths:**  
1. A well structured and industry oriented curricula.  
2. No in-breeding in faculty.  
3. Thrust towards ‘consultancy’ services.  
4. Dedicated support staff.  

The department through its various activities, student participation, successes in national level examinations, selection in Government Jobs, faculty participation in various conferences and seminars and as invited speakers in national and international forum have vindicated the support and facilitation by the college.  

Below are the various achievements of the department in the academic year 2013-14:  

**The following M.Sc students qualified the**  

**CSIR-UGC JRF/ Lecturership examination -**  
December 2013  
1. Prathamesh Samant  
2. Christer Pereira  
3. John D'souza  
4. Bijal Chudasama  
5. Arnold  
June 2013  
1. Angana Chaudhuri  
2. Tanzil Deshmukh  

**UPSC GSI EXAM 2013**  
1. Gyzel Rodrigues  

Four of our third year students secured ranks in the first 20 in the all India - Joint Admission Test for Masters (JAM) bagging the 1st, 2nd 7th and 15th ranks. Nine students from this batch have bagged seats in the IITs and ISM for their post graduate studies.  

**BSc Students:**  
**JAM EXAM for admission to IIT in MSc (All India Rank – AIR)**  
1. Rashesh Saraiya (AIR 1)  
2. Surya Subryamanyam (AIR 2)  
3. Abaan Ahmed Momin (AIR 7)  
4. Denzil (AIR 14)  
5. Siddharth Kshatriya (AIR 23)  
6. Tahani Aziz (AIR 58)
7. Vandit Vyas (AIR 88)
8. Lian Yang (AIR 90)
9. Reuben Fernandes (AIR 91)
10. Aurpita Saha (AIR 108)

Admitted to the Indian School of Mines University
1. Vandit Vyas
2. Reuben Fernandes

Our post-graduate students successfully completed internships at ONGC, Tata-Petrodyne and ICS.

The department also bagged the 'Nebula' Intercollegiate Geology Festival Trophy 2013 held in Parvatibai Chowgule College of Arts & Science, Gogol-Margao, Goa.

**The first TERRA Festival**: Our own Intercollegiate Geology Festival - TERRA was held between the 12th and 13th of December and seven institutions from across the country participated. The overall best trophy was bagged by: Parvatibai Chowgule College of Arts & Science, Gogol-Margao, Goa.

On the occasion of TERRA lectures were delivered by: Dr. M.D. Sastry, Head, Research and Development at Gemmological Institute of India on 'Diamonds - Origin and evaluation' and by Mr. Sudipta Basu, Reliance Petroleum on "Petroleum Systems Analysis - A Key Hydrocarbon Exploration Tool”,

The departmental magazine TERRA - was also released on this occasion. The Magazine is now registered under ISSN and the TERRA is a registered trademark.

**Faculty Member achievements:**

The department faculty members along with their regular teaching have been active in the field of research and consultancy.

Mr. Ashwin Pandalik participated in the 30th Convention of Indian Association of Sedimentologists" 28-30 November, 2013 at Department of Geology, Manipur University, Imphal and presented a paper.

Mr. Vikram Pratap Singh participated in the 24th Indian Colloquium on Micropaleontology and Stratigraphy held at Wadia Institute of Himalayan Geology, Dehradun, 18-20 November and made an oral presentation.

Mr. Bobby Mathew, presently working towards the completion of his doctoral thesis through the UGC - FIP, presented a paper in:International Conference On“Water, Wastewater & Isotope Hydrology”Ic-Wwish-2013, 25-27th July 2013, Bangalore.
Mr. Prathmesh Samant qualified the CSIR/UGC NET, State Eligibility Test (SET) - 1st Rank, Ph.D Entrance Test (PET- Mumbai University), GATE 2014, setting an example for students as well as faculty members.

Dr. Goutam Bandyopadhyay and Dr. Pravin Henriques were invited to present their research work at the Fifth National Seminar on “Gemmology” organized by the Dept. of Geology, Govt. Motilal Vigyan Mahavidyalaya, Bhopal (M.P) under the aegis of: Madhya Pradesh Council of Science and Technology, Bhopal (M.P), South Asian Association Of Economic Geologist (SAAEG) and Indian Science Congress Association Bhopal Chapter and Indian Science Congress Association (ISCA), Bhopal Chapter.

Dr. Hrishikesh Samant was invited to attend the Geospatial World Forum - 5th -9th May 2014 in Geneva, Switzerland where he presented the work done by his research scholars - Mr. Bobby Mathew and Ms. Farjana Birajdar. He was also the coordinating Judge for the Geospatial World Awards 2014.

As a part of the extension activities of the department, the faculty members have been invited for guest lectures. Dr. Samant continues to be a resource person for the Academic Staff College, University of Mumbai. He delivered a guest lecture in B.N. Bandodkar College - Refresher Course in Environmental Sciences: lecture- "Erosion Control and Water Conservation Techniques" on 11th February 2014. He was also invited by the Association of Petroleum Geologists as a Resource Person during their two day field excursion to Nashik on 8th -9th March 2014.

Mr. Ashwin Pundalik and Mr. Vikram Pratap Singh conducted popular science (geology) talks for the Teach For India affiliated schools, with an aim to introduce the fascinating subject of geology to under-privileged school students.

Dr. Goutam has been instrumental in generating revenue for the department and college through his consultancy in petrography for Godrej and Rio Tinto. Dr. Pravin continues to be a consultant and in-charge of the Diploma and Certificate courses in Gemmology.

**Lecture Series:** To gain from the expertise of professionals in geology and allied domains, the department invited external speakers as a part of the TERRA - Prof. Sukeshwala memorial Lecture series. We had:

23rd January 2014:Lecture "Well Site Selection and Oil Well Drilling Operations” Prof. A.B. Thakore (ONGC Chair Professor), M.S. University of Baroda.

23rd September 2013: Lecture: **Core Analysis** by Mr. Atul Godbole, CEO of Integrated Consultancy Services

28th August 2013: Lecture: 'Meteorites - Their Collection, Analysis and Evidences About Evolution of Our Solar System'. by Ms. Prajkta Mane, Research Fellow, Arizona State University, Tempe, USA.
Field work:
Field work is an integral part of our subject and this year too our students were trained by our faculty in various aspects of field geology and geological mapping. Short duration field visits were organised to places around Mumbai city. The first year students visited the Utan-Dongri-Gorai area also the Elephanta Island to understand local geology. The second year students visited the Khandala-Lonavala-Pune area for understanding the nuances of Deccan Flood Basalts and typical landforms and structures exhibited by them. The annual geological field mapping camp was held in Bhuj, Kutch district of Gujarat where our third year students were rigorously trained for a period of ten days in techniques of geological mapping.

New faculty members:
This academic year also witnessed new faculty members joining and some proceeding for other venues. Mr. Sayandeep Banerjee joined the department and his specialisation as a structural geologist has further strengthened our academic setup. Mr. Prathamesh Samant and Ms. Debarati Das, both alumni joined the department on a short term teaching assignment. Ms. Debarati was awarded the MEXT scholarship by the Government of Japan and has joined to the Pheasant Memorial Laboratory, Okayama University, Japan for a doctoral program. Mr. Prathmesh Samant will be joining the Atomic Minerals Division, Department of Atomic Energy, Govt. of India as Geologist. Mr. Deepak Sahu who taught during the academic year and has proceeded for another teaching assignment.

10. Weaknesses: Lack of appropriate laboratory space which is impacting the quality of experiments that undergraduate and post graduate students can perform and learn.

IQAC, Chairperson Head of Department IQAC, Director
Dr. Frazer Mascarenhas, S.J. Dr. Hrishikesh Samant Dr. Roy Pereira, S.J.
Principal

Department Report
Session: 2013 - 2014

1. Name of Department: Life Science and Biochemistry (Estd. 1977)
2. No. of full time permanent faculty: 11 (06 full time permanent + 05 on probation)
3. No. of part time Visiting/temporary contractual faculty: Nil
4. No. of PG / UG courses: 02 / 02 Ph.D. Students: Nil
(MSc Life Science, PG Diploma in Clinical Research /
5. Curriculum Revisions Info: The latest revisions in the UG and PG courses were ratified in Oct. 2013. Revisions are made in the syllabi periodically to enable us to keep pace with advances in the respective fields to match the changing face of education.

6. Research:
   Publications (Journals)
   a) International: Nil
   b) National: Nil

   Publications (Proceedings)
   a) International: 01
   b) National: 01

   Presentations (Oral)
   a) International: Nil
   b) National: 01
   Dr. Maya S. Murdeshwar
   “MS_RHII-RSD: Functional annotation of a hypothetical protein – from the computer screen to the test tube” at the 'National Conference on Frontiers in Bioinformatics and Biotechnology' (NCFIBB-2014) organized by the Department of Biotechnology and Bioinformatics, Padmashree Dr. D Y Patil University, Navi Mumbai on 30th and 31st Jan., 2014.

   Presentations (Poster)
   a) International: 03
   at the International Chemistry Conference on ‘Cutting Edge – Nano, Green and Beyond’ organized by the Department of Chemistry, St. Xavier’s College - Autonomous, Mumbai on 6th and 7th Jan., 2014.


3. Dr. Seema Das and Dr. Radiya Pacha Gupta. "Toxicity study of lead nitrate on freshwater fish Cirrhina mrigala".

b) National: 01

Dr. Radiya Pacha Gupta. "The effect of factors affecting growth, development and reproduction in Caenorhabditis elegans" at the conference ‘Integrating Basic and Translational Research in Modern Biology’ organized by the Department of Microbiology, Maharaja Sayaji University, Baroda, between 27th and 28th Dec., 2013.

Ph.D. Theses Submitted: Nil Awarded: Nil

Number of Conferences/Lectures Organised: 05

Conference/ Workshop: 02

Conference (01)
Science Academies’ lecture-workshop series: ‘Biowaves – The Pulse of Biology’ at St. Xavier’s College – Autonomous, Mumbai, on 29th and 30th Nov., 2013. Over 350 students and several faculty members from across science colleges in Mumbai participated in this. The following speakers were invited to deliver lectures:

i. Dr. Jayesh Bellare, Department of Chemical Engineering, IIT-Bombay, Mumbai. ‘Amazing Nanotechnology and its Applications in Health Care and More’.
ii. Dr. Shobona Sharma, Department of Biological Sciences, TIFR, Mumbai. ‘Impairment of Cell Division and Growth of Malarial Parasites’
iii. Dr. Bhaskar Saha, National Centre for Cell Science (NCCS), Pune. ‘Reciprocity as a Principle for Biological Regulation’
iv. Dr. Satyajith Rath, National Institute of Immunology (NII), New Delhi. ‘The Immune System – Past, Present and Future’.
vii. Dr. Nishigandha Naik, Haffkine Institute, Mumbai. ‘In vivo Imaging Systems’.

Workshop (01)
The Life Science department in collaboration with the biological science departments of the college organized a Hands-On Practical Training Workshop on ‘Research Methods in Biology’ for select SYBSc students from the Biological Science faculties between 15th – 17th Apr., 2014. Dr. Priya Sundararajan, Ms. Sangeeta Shetty, Dr. Radhika Tendulkar, Dr. Maya Murdeshrar and Dr. Sheeja Vasudevan were the resource persons for the various sessions.
Lectures (03)

1. Dr. Ajit Varki, Glycobiology Research and Training Center, UCSD, USA.
   ‘Adventures in Anthropogeny: What makes us Human?’ as part of The Wellcome Trust – DBT

2. Dr. Pavitra Rao, Weiss-Cornell University, USA. (ex-student of the Department)
   ‘Characterization of cpw-wpc proteins in malarial parasite P. falciparum’.

3. Dr. Autar Mattoo, US Department of Agriculture, Bettsville, USA.
   ‘Metabolic Engineering in Plants’.

Student Research Projects:

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of the student/s</th>
<th>Title of Project</th>
<th>Cost</th>
<th>Duration</th>
<th>Guiding Faculty</th>
<th>If external, name of the Institute/resource person</th>
<th>Evaluatio Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-14</td>
<td>S.Y.B.Sc. S.LSC.4.0 2-</td>
<td>Isolation of Streptomycin resistant mutants of E. coli.</td>
<td>Rs. 500</td>
<td>2 weeks</td>
<td>Dr. Radiya Pacha Gupta &amp; Mr Sangeeta Shetty</td>
<td>None</td>
<td>Project report &amp; presentation</td>
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<td></td>
<td>Molecular Biology</td>
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<tr>
<td>2013-14</td>
<td>S.Y.B.Sc. S.LSC.4.0 2-</td>
<td>Efficacy of sunscreen</td>
<td>Rs. 500</td>
<td>2 weeks</td>
<td>Dr. Radiya Pacha Gupta &amp; Mr Sangeeta Shetty</td>
<td>None</td>
<td>Project report &amp; presentation</td>
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<tr>
<td></td>
<td>Molecular Biology</td>
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<tr>
<td>2013-14</td>
<td>T.Y.B.Sc. Life</td>
<td>Analysis of water from a pond in Dahisar for various</td>
<td>Rs. 1000</td>
<td>4 weeks</td>
<td>Dr. Seema Das</td>
<td>None</td>
<td>Project report &amp; viva</td>
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<td></td>
<td>Science 6 units</td>
<td>pollution parameters.</td>
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<tr>
<td>Year</td>
<td>Course</td>
<td>Title</td>
<td>Budget</td>
<td>Duration</td>
<td>Supervisor(s)</td>
<td>Oral Defense</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. Life</td>
<td>Uptake of cadmium &amp; its effect on protein concentration &amp; growth in moong.</td>
<td>Rs. 1000</td>
<td>4 weeks</td>
<td>Dr. Seema Das</td>
<td>None</td>
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<td></td>
<td>Science 6 units</td>
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<td>Project report &amp; viva</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. Life</td>
<td>A study on the physical, chemical biological properties of soil from a farm in Vikramgarh.</td>
<td>Rs. 1000</td>
<td>4 weeks</td>
<td>Dr. Seema Das</td>
<td>None</td>
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<td>Science 6 units</td>
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<td>Project report &amp; viva</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. Life</td>
<td>Pollution parameters &amp; microbial Mrile of water bodies in &amp; around Mumbai.</td>
<td>Rs. 1000</td>
<td>4 weeks</td>
<td>Dr. Seema Das</td>
<td>None</td>
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<td></td>
<td>Science 6 units</td>
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<td>Project report &amp; viva</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. S.BCH.6.0 1 &amp; S.BCH.6.0 2 Biochemistry</td>
<td>A study of the effect of cadmium (Cd^{2+}) on germination and amylase activity in moong.</td>
<td>Rs. 1000</td>
<td>6 weeks</td>
<td>Dr. Nandita Mangalore, Mr Prashant Ratnaparkhi, Dr. Maya Murdeshwar &amp; Dr. Sheeja Vasudevan</td>
<td>None</td>
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<td></td>
<td>Project report, presentation and paper.</td>
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</tr>
<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. S.BCH.6.0 1 &amp; S.BCH.6.0 2 Biochemistry</td>
<td>A comparative study of the ascorbic acid content of several fruits.</td>
<td>Rs. 1000</td>
<td>6 weeks</td>
<td>Dr. Nandita Mangalore, Mr Prashant Ratnaparkhi, Dr. Maya Murdeshwar &amp; Dr. Sheeja Vasudevan</td>
<td>None</td>
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<td>Project report, presentation and paper.</td>
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<tr>
<td>Year</td>
<td>Course</td>
<td>Title</td>
<td>Duration</td>
<td>Supervisor(s)</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. S.BCH.6.0 1 &amp; S.BCH.6.0 2 Biochemistry</td>
<td>An investigation into the possibility of copper accumulation in the liver of fish.</td>
<td>Rs. 1000 6 weeks</td>
<td>Dr. Nandita Mangalore, Mr Prashant Ratnaparkhi, Dr. Maya Murdeshwar &amp; Dr. Sheeja Vasudevan</td>
<td>None</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. S.BCH.6.0 1 &amp; S.BCH.6.0 2 Biochemistry</td>
<td>A preliminary study of protease in germinated leguminous seeds.</td>
<td>Rs. 1000 6 weeks</td>
<td>Dr. Nandita Mangalore, Mr Prashant Ratnaparkhi, Dr. Maya Murdeshwar &amp; Dr. Sheeja Vasudevan</td>
<td>None</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. S.BCH.6.0 1 &amp; S.BCH.6.0 2 Biochemistry</td>
<td>Identification of optimum reaction conditions for catalase.</td>
<td>Rs. 1000 6 weeks</td>
<td>Dr. Nandita Mangalore, Mr Prashant Ratnaparkhi, Dr. Maya Murdeshwar &amp; Dr. Sheeja Vasudevan</td>
<td>None</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. S.BCH.6.0 1 &amp; S.BCH.6.0 2 Biochemistry</td>
<td>Study of enzyme kinetics for urease extracted from soyabean.</td>
<td>Rs. 1000 6 weeks</td>
<td>Dr. Nandita Mangalore, Mr Prashant Ratnaparkhi, Dr. Maya Murdeshwar &amp; Dr. Sheeja Vasudevan</td>
<td>None</td>
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<tr>
<td>2013-2014</td>
<td>T.Y.B.Sc. S.BCH.6.0 1 &amp; S.BCH.6.0 2 Biochemistry</td>
<td>Study of pigments from plants.</td>
<td>Rs. 1000 6 weeks</td>
<td>Dr. Nandita Mangalore, Mr Prashant Ratnaparkhi, Dr. Maya Murdeshwar &amp; Dr. Sheeja Vasudevan</td>
<td>None</td>
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</table>
### PG: (16 students)

Out of the 16 students, 6 worked on research projects, while the other 10 interned at KEM or Breach Candy hospitals or NIRRH, Parel, Mumbai.

First year MSc students interned one day every week for the entire academic year at TIFR or National Institute f

or Research in Reproductive Health (NIRRH) as part of their laboratory work experience.

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of the student/s</th>
<th>Title of Project</th>
<th>Cost</th>
<th>Duration</th>
<th>Guiding Faculty</th>
<th>If external, name of the Institute/ resource person</th>
<th>Evaluation Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013 - 2014</td>
<td>Racheal Fernandes &amp; Sonika Paul</td>
<td>Determination of biochemical changes caused by lead toxicity on zebrafish (<em>Danio rerio</em>).</td>
<td>Rs. 5000</td>
<td>24 weeks</td>
<td>Dr. Radiya Pacha Gupta &amp; Dr. Seema Das</td>
<td>None</td>
<td>Project report &amp; viva.</td>
</tr>
<tr>
<td>2013 - 2014</td>
<td>Usha Singh &amp; Sheron Gonsalves</td>
<td>Isolation &amp; characterization of</td>
<td>Rs. 6000</td>
<td>24 weeks</td>
<td>Dr. Priya Sundarrajian &amp; Prof.</td>
<td>None</td>
<td>Project report &amp; viva</td>
</tr>
<tr>
<td>Year</td>
<td>Name(s)</td>
<td>Project Title</td>
<td>Budget</td>
<td>Duration</td>
<td>Investigator</td>
<td>Co-Principal Investigator</td>
<td>Status</td>
</tr>
<tr>
<td>------</td>
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<td>--------</td>
</tr>
<tr>
<td>2013 - 2014</td>
<td>Karina Chaudhari &amp; Andrea Fernandes</td>
<td>Effect of heavy metal, lead, on zebrafish embryonic development, morphometrical &amp; electrophoretic study.</td>
<td>Rs. 3000</td>
<td>24 weeks</td>
<td>Dr. Radhika Tendulkar</td>
<td>None</td>
<td>Project report &amp; viva.</td>
</tr>
</tbody>
</table>

7. No. of Department Library: Printed Books added: Nil
   Web-resources CDs added: Nil
   e-Books added: 10

8. No. of Faculty using ICT and PPTs: All (11)

9. New Equipment and Infrastructure added:
   (from Star College Grant)
   1. Micropipette sets (05)
   2. Refrigerated centrifuge (01)
   3. Compound light microscope with imaging system (01)

10. Strengths:
    - Diversity, enthusiasm and commitment of the staff (Staff members have different specializations, also coming from different universities they bring in a wide variety of experiences and pedagogical skills and approaches)
    - Mixed age group of the staff
    - New staff for at least a short period of time almost every year allows new ideas and approaches to be expressed and prevents stagnation
    - Students with superior academic caliber
    - Freedom and encouragement to voice one's opinion – both students and faculty.
    - Involvement in multiple projects and Honour's programme.

11. Weaknesses:
    - Inadequate publications. Several research projects have been conducted, however, the work does not translate into writing and publishing a paper.
    - Space constraints that retard progress. For example, inadequate lab space for experimental projects and co-curricular work makes it difficult to sustain any kind of
academic activity that would lead to good publications.

- Although we get students with excellent academic potential, in the recent past these numbers have decreased due to competition from professional courses and alternate establishments such as IISER etc.
- High staff turnover causes a certain discontinuity in the teaching-learning process

12. Student Feedback on Curriculum: Yes  
Teaching Learning-Evaluation Processes: Yes

13. Recommended actions:
- Publishing of the research work conducted by teachers and students.
- Arrange for more space, as the kinds of projects possible are affected by lack of space

IQAC, Chairperson                          Head of Department                        IQAC, Director
Dr. Frazer Mascarenhas, S.J.           Dr. Nandita Mangalore                Dr. Roy Pereira, S.J.
Principal                                                                                           Vice Principal (Academics)

Department Report
Session: 2013 - 2014

1. Name of Department: Mathematics  
2. No. of full time permanent faculty : 4  
3. No. of part time Visiting/temporary contractual faculty: ....0../.........  
4. No. of PG / UG courses: ....0.... Ph.D. Students: ..0..;  
5. Curriculum Revisions Info: No change this year  
6. Research: Publications International: A paper by Ashok Bingi titled “An element prime to and primary to another element in Lattice modules” is accepted for publication by “International Mathematical Forum, Hikari Ltd.”
National: Nil

National Conferences:. Dr. Mangala Gurjar presented a paper on “Practical applications of Abstract Algebra” in National Conference on Pure and Applied Mathematics held in COEP(College of Engineering, Pune) during 17th , 18th and 19th December 2013..

International Conference: ..No...

Ph.D. Theses Submitted: .0... Awarded:..0....

Number of Conferences/Lectures Organised: Dr. Anuradha Garge of Mumbai University was invited as a resource person for a one day work shop for students.

7. No. of Department Library: Printed Books added: ...6..  
Web-resources CDs added ..2.....
e-Books added: .2..

8. No. of Faculty using ICT and PPTs: .4....

9. New Equipment and Infrastructure added: ..No....

10. Strengths :
(1) Good Students.(At least in comparison with other colleges.)
(2) Qualified staff.
(3) Good Infrastructure.

11. Weaknesses :
(1) Less Space. Our dept. is the smallest among science departments.
(2) Big classes.
(3) Subject is difficult. Many students cannot cope up.

12. Student Feedback on Curriculum: Yes
Teaching Learning-Evaluation Processes: Yes

13. Recommended actions :
1. The space opposite Mathematics dept. can be used to make an extra cabin for Maths. Dept.
2. Continue to control the number of students at every stage.
3. Extra staff member, so that Mathematics can be reintroduced for arts students.

IQAC, Chairperson  Head of Department  IQAC, Director
Dr. Frazer Mascarenhas, S.J.  Dr. Mangala Gurjar  Dr. Roy Pereira, S.J.
Principal  Vice Principal (Academics)

**Department Report**
Session: 2013 - 2014

1. Name of Department: Microbiology
2. No. of full time permanent faculty : 4
3. No. of part time Visiting/temporary contractual faculty: …2 temporary
4. No. of PG / UG courses: …MSc I & II, UG
5. Curriculum Revisions Info: M.Sc II Syllabus revised
6. Research: Publications

**International:**

**Faculty publication:**


**Student Publication:**


**National:**


**Student Publication**

- **Deeksha M Shetty**, Sheetal Uppal, and Narendra Jawali presented ‘Purification of histidine tagged cyclic AMP Receptor Protein (CRP) in *Escherichia coli* using Low Pressure Liquid Chromatography’ at the DBT sponsored National Conference on “Modern Analytical Techniques in Microbiology” conducted by the Department of Microbiology, Fergusson College, Pune. ISBN number 011-2617-9675

**National Conferences:**

- **Oral Presentations**
  - **Dr. Ms. Vivien Amonkar** Keynote address *Education for the Future - Novel Curriculum* at the 5th National Conference on ‘New Paradigms in Academic Improvement’ at KristuJayanti College, Autonomous, Bangalore; 8th May, 2014.

- **Student Presentations**
  - **Deeksha M Shetty**, Sheetal Uppal, and Narendra Jawali gave an oral presentation on ‘Purification of histidine tagged cyclic AMP Receptor Protein (CRP) in *Escherichia coli* using Low Pressure Liquid Chromatography’ at the DBT sponsored National Conference on “Modern Analytical Techniques in Microbiology” held in Fergusson College, Pune in January, 2014.
  - **Deeksha won a prize for the best oral presentation for the above.**
Poster Presentation

Tasneem Ginwala, Maria Judith Gonsalves presented posters on ‘Bioremediation of Heavy metals by Bacterial Isolates’ at the DBT sponsored National Conference on “Modern Analytical Techniques in Microbiology” held in Fergusson College, Pune in January, 2014.

Number of Lectures Organised:

Dr. Ms. Momna Hejmadi, Director of Studies: M.Sc Programmes, Dept. of Biology & Biochemistry, University of Bath, UK on “Life in the Extremes : Neurodegeneration and DNA Repair” on the 8th of July, 2013.

- Dr. Foster Gonsalves who leads Product Development at a New York City based biotechnology start-up company that focuses on oncology drug development presented Personal Experience of Entrepreneurship on 7th January, 2014.

- Dr. Jayant Bhanushali, Director & Owner, Amar Immunodiagnostics Pvt. Ltd., Hyderabad presented Different types of ELISA kit development for undergraduate students and "Hands on" in development of hybridomas for postgraduate students on 25th January, 2014.

- Co-organisation of a Three Day Hands on Workshop for Biology Students on “Research Methods in Biology” held on 15th, 16th and 17th April, 2014 with all the Bioscience departments and the Caius Laboratory for Interdisciplinary Research

7. No. of Department Library: Printed Books added:


- Biotechniques, by Ponmurugan P. and Gangathara Prabhu B., (2012), MJP publishers

Web-resources CDs added ……

e-Books added: …

8. No. of Faculty using ICT and PPTs: 6……

9. New Equipment and Infrastructure added:

- UV VIS Spectrophotometer, Table Top Autoclave, Deep Freezer, Remi High Speed Table Top Centrifuge, Digital photoelectric colorimeter

10. Strengths:

- Autonomous undergraduate and postgraduate courses
- Sincere, Committed Quality Faculty, Cooperative Nonteaching faculty, Good students
- Good department facilities & Infrastructure
- Quality Teaching Learning Methodology adopted
- Department Alumni who are always ready to assist

11. Weaknesses:
(4) Low Research Output
(5) Time constraints

12. Student Feedback on Curriculum: Yes
    Teaching Learning-Evaluation Processes: Yes
13. Recommended actions: ----

IQAC, Chairperson                          Head of Department                          IQAC, Director
Dr. Frazer Mascarenhas, S.J.               Dr. Vivien Amonkar                          Dr. Roy Pereira, S.J.
Principal                                                                                      Vice Principal (Academics)

**Department Report**
Session: 2013 - 2014

1. Name of Department: Physics
2. No. of full time permanent faculty: 8
3. No. of part time Visiting/temporary contractual faculty: NIL…/……
4. No. of PG / UG courses: 20 Physics + 2 Appl comp + 1 CFC + SCS Ph.D. Students: NIL;

Curriculum Revisions Info: 3rd and 4th semester courses are revised

Research: Publications International: ……NIL

National: …NIL.
National Conferences: …NIL
International Conference: …NIL..
Ph.D. Theses Submitted: NIL….. Awarded: NIL…….

Number of Conferences/Lectures Organised:
- 2 lectures were organised and were open for all the staff and students of our college,
- 1 lecture was organised for BSc. students

3. No. of Department Library: Printed Books added: 5…..
   Web-resources CDs added …5.
e-Books added: …10

4. No. of Faculty using ICT and PPTs: 8

5. New Equipment and Infrastructure added:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Instrument Type</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Laser Source</td>
<td>ZT-L-01</td>
<td>1</td>
</tr>
</tbody>
</table>

Revised Guidelines of IQAC and submission of AQAR  Page 92
2. **To study double, single slit, diffraction, slit interference by Laser – optical bench**

3. **Measurement of wavelength using plane transmission grating using Laser spectrometer**

4. **Photo Cell- varying distance & intensity**

5. **Photo Diode – Varying Intensity only**

6. **Photo Transistor - Varying Intensity only**

7. **Photo voltaic/solar cell - Varying Intensity**

8. **Study of photo relay using LDR**

9. **Energy band gap of diode**

10. **Digital stop clock**

<table>
<thead>
<tr>
<th></th>
<th>Activity</th>
<th>Code</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>To study double, single slit, diffraction, slit interference by Laser – optical bench</td>
<td>ZT-L-02</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Measurement of wavelength using plane transmission grating using Laser spectrometer</td>
<td>ZT-L-03</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Photo Cell- varying distance &amp; intensity</td>
<td>ZT-C-08</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Photo Diode – Varying Intensity only</td>
<td>ZT-C-09</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Photo Transistor - Varying Intensity only</td>
<td>ZT-C-10</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Photo voltaic/solar cell - Varying Intensity</td>
<td>ZT-C-11</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Study of photo relay using LDR</td>
<td>ZT-C-12</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>Energy band gap of diode</td>
<td>ZT-C-13</td>
<td>2</td>
</tr>
<tr>
<td>10</td>
<td>Digital stop clock</td>
<td>09221</td>
<td>6</td>
</tr>
</tbody>
</table>

6. **Strengths:**
- Good cooperation among the teachers
- All the teachers have good rapport with the students
- Regular discussions on difficult subject topics take place among teachers.
- Senior students (ty class) help juniors (fy class) through remedial coaching

7. **Weaknesses:**
- Teachers are willing to do research but are not getting sufficient time
- Too much of evaluation work leaves little time for us to prepare lecture which affects quality of teaching.
- There is vast difference in the level of students in fy class which becomes difficult for teachers to manage the level of teaching to retain interest of the full class.

8. **Student Feedback on Curriculum:** The students on the BOS after discussions with others gave us their suggestions on the curriculum
9. Teaching learning-evaluation processes: we discuss the TAQs and do planning to improve
the performance.

Recommended actions:

- Through Honour’s programme or third year projects we would try to do research.
- New PPTs would be made to create interest in students for the subject.
- New teaching methods using technology will be tried out.
- Will change the lab journal format to reduce the time students spend writing it.
11. Weaknesses:
   - Lack of Research culture in the Department.

12. Student Feedback on Curriculum: Yes or No …..YES
    Teaching Learning-Evaluation Processes: Yes or No …….YES

13. Recommended actions:

   IQAC, Chairperson                           Head of Department                        IQAC, Director
   Dr. Frazer Mascarenhas, S.J.               Ms. Pooja Ochaney                         Dr. Roy Pereira, S.J.
   Principal                                   Vice Principal (Academics)

Department Report
Department Report
Session: 2013 - 2014

1. Name of Department: Zoology
2. No. of full time permanent faculty: 5
3. No. of part time Visiting/ faculty: 2
   For Part-time Diploma in Forensic Science and Criminal Law
4. No. of PG/ UG courses: 1 Undergraduate course in Zoology
   Ph.D. Students: …1
5. Curriculum Revisions Info: Every 6 months/ or Whenever required
6. Research: Publications International: 1

   National Conferences:
   1. Dr. Sujata Deshpande, Mr. Conrad Cabral attended"Biowaves: The Pulse of Biology": A Science Academies'-Sponsored Lecture Workshop held at St. Xavier’s College, Mumbaion 29th and 30th November 2013.

   2. Dr. Sujata Deshpande and Dr Pushpa Sinkar Participated in a lecture workshop titled “Sense and Sensibility” held at Sophia College Mumbai on 20th and 21st December 2013

   3. Dr. Smita Krishnan attended UGC sponsored national level seminar on "Dynamics of Mangroves" on 29th and 30th November 2013 at RamniranjanJhunjhunwala College.

   International Conference:
1. **Dr. Pushpa Sinkar** participated and presented a paper at the UGC sponsored international conference “Chemistry cutting edge: Nano, Green and Beyond” organised by the Dept. of Chemistry, St. Xavier’s College Mumbai on 6th and 7th January 2014.

2. **Dr. Madhuri Hambarde** co-authored a paper presentation at the UGC sponsored international conference “Chemistry cutting edge: Nano, Green and Beyond” organised by the Dept. of Chemistry, St. Xavier’s College Mumbai on 6th and 7th January 2014

…..

Ph.D. Theses Submitted: **NIL** - Awarded—**NIL**

Number of Conferences/Lectures Organised:-

1. **Mr. Hans Dalal** gave a lecture on ‘Tiger conservation and poacher rehabilitation’ on 3rd July 2013

2. **Dr. Mehul Vora** delivered a lecture on ‘Ageing using C.elegans as a model’ on 9th December 2013.

3. **Dr. Surendra Ghaskadbi** took a workshop on ‘Regeneration in Hydra and stem cell therapy’ on 11th January 2014

4. **Dr. Leon Pereira** gave a lecture on ‘Conservation of snakes’ on 21st January 2014.

7. No. of Department Library: Printed Books added:

   1. Journal of Biosciences
   2. Journal of Genetics
   3. Resonance
   4. Current science
   5. Indian Silk

   Web-resources CDs added **NIL**

   e-Books added: **NIL**

8. No. of Faculty using ICT and PPTs: **5**

9. New Equipment and Infrastructure added:

   … 1. Olympus Magnus Microscopes
   2. Autopipettes
3. Remi centrifuge
4. Colorimeter

10. Strengths:
    • Good repository of insects and bones
    • Department runs several part time courses
    • Relevant and up to date library
    • Multimedia enabled labs (Sound and LCD projector)
    • Ph.D. lab with life time recognition
    • Four out of five staff members hold Doctorates
    • Dedicated, enthusiastic and committed staff members
    • Freedom to voice one’s opinion both for staff and students
    • Extremely devoted and loyal non teaching staff

Weaknesses:
    • Lack of sufficient publications
    • No Post Graduate Programme
    • Space constraints
    • No industrial tie up or consultancies

11. Student Feedback on Curriculum: Yes
    Two student representatives are Part of Zoology Board of studies

12. Teaching Learning-Evaluation Processes: Yes
    Regular TAQs and continuous Evaluation

13. Recommended actions:
    Research should not be the only criteria to judge staff members

    Reframe Time-Table to enable those Staff interested in research, to do so.

IQAC, Chairperson       Head of Department       IQAC, Director
Dr. Frazer Mascarenhas, S.J.  Dr. Smita Krishnan       Dr. Roy Pereira, S.J.
Principal                Vice Principal (Academics)
Department Report
Session: 2013 - 2014

1. Name of Department: Biotechnology – Self Financing
2. No. of full time permanent faculty : 1
3. No. of part time Visiting/temporary contractual faculty: 3
4. No. of PG / UG courses: MSc I & II courses
5. Curriculum Revisions Info: MSc I & II

National:
• Conference Proceedings as full paper :Nikhil Bardeskar, Nikhil Thangiah, Sharang Kolwalkar, Norine D’Souza John Cyriac, Vivien Amonkar. Quantification of cadmium tolerance of soil isolates by atomic absorption spectroscopy (AAS). DBT sponsored National Conference on “Modern Analytical Techniques in Microbiology” conducted by the Department of Microbiology, Fergusson College, Pune. ISBN number 011-2617-9675

International Conferences:
Oral presentations
• Aakanksha Sawant, Akanksha Mhatre, Arokia Rani, Krupa Vyas, Mayuri Mhatre, Rachana Vaidya, Sayali Jadhav, Sheena Varghese, Norine D’Souza, Vivien Amonkar, Optimising the Production of Polyhydroxybutyrate (PHB) by a Soil Isolate and Analysing its Properties, International Conference on Chemistry Cutting Edge: Nano, Green and Beyond, St. Xavier’s College , Mumbai January, 2014
• Gulshanara Shaikh, Norine Dsouza , Hoshang Master, Madhuri Hambarde, Cytotoxic evaluation of few novel 2-Pyrazoline Derivatives, International Conference on Chemistry Cutting Edge: Nano, Green and Beyond, St. Xavier’s College , Mumbai January 2014
Posters presentations:
• Anju James , Cristabelle De’souza, Josna Jacob ,Jyoti Rawat, Jyoti Bharti, Sayal Jadhav Varsha Bodke, Yamini Nair, Vivien Amonkar , Norine Dsouza, Analytical inter-relation between saturation levels, storage and deep frying of household oils using Iodometry and UV absorption as a public health benefit, International Conference on Chemistry Cutting Edge: Nano, Green and Beyond, St. Xavier’s College , Mumbai January 2014

National Conferences
Oral presentations
• Aakanksha Sawant, Akanksha Mhatre, Arokia Rani, Krupa Vyas, Mayuri Mhatre, Rachana Vaidya, Sayali Jadhav, Sheena Varghese, Norine D’Souza, Vivien Amonkar Using Biowastes for Enhancing PHB Production by a Soil Isolate, DBT sponsored National seminar on Trends in Environmental Biotechnology and its Applications, St. Aloysius College , Mangalore December 2013
• Nikhil Bardeskar, Nikhil Thangiah, Sharang Kolwalkar, Norine D’Souza, John Cyriac, Vivien Amonkar, Quantification of cadmium tolerance of soil isolates by atomic absorption
*spectroscopy (AAS)*, DBT sponsored National Conference on Modern Analytical Techniques in Microbiology, Fergusson college, Pune January, 2014

**Poster presentations:**

- Anju James, Cristabelle De’souza, Josna Jacob, Jyoti Rawat, Jyoti Bharti, Varsha Bodke, Yamin Nair, Norine Dsouza, John Cyriac: *Green synthesis of pigments using microflora in biocompost samples and their industrial applications*, Sajjan Gupta Konark memorial award, S.I.E.S College, Mumbai December 2013

Number of Conferences/Lectures Organised:


7. No. of Department Library: Printed Books added: ....
Web-resources CDs added .......
e-Books added: …

8. No. of Faculty using ICT and PPTs: All
9. New Equipment and Infrastructure added: …...
10. Strengths:
    - Autonomous systems
    - Sincere, Committed Faculty and Co-operative Non Teaching Staff
    - Very Relevant Syllabi
    - Good students
11. Weaknesses:
    (6) Low Funds
    (7) Time Constraints
    (8) Low Research output

12. Student Feedback on Curriculum: Yes
13. Teaching Learning-Evaluation Processes: Yes
14. Recommended actions:

IQAC, Chairperson       Head of Department       IQAC, Director
Dr. Frazer Mascarenhas, S.J.  Dr. Vivien Amonkar       Dr. Roy Pereira, S.J.
Principal                 Vice Principal (Academics)

**Annexure VII**

Self-Financing Courses
Bachelor of Management Studies  
Bachelor of Mass Media  
Bachelor of Information Technology

**Department Report**  
**Session: 2013 - 2014**

1. Name of Department: BMS : Department of Management Studies

2. No. of full time permanent faculty : 3

3. No. of part time Visiting/temporary contractual faculty:-visiting 7 temporary : none

4. No. of PG / UG courses: FY, SY, TY BMS (UG);

5. Curriculum Revisions Info: the Board of studies made minor changes in certain subjects which was recorded and the syllabus was passed by the academic board of the college.

   National: --…. none
   National Conferences:--……
   International Conference:

   Number of Conferences/Lectures…
   3 workshops per year per semester were organized. The talks that were organized ranged from Marketing and Finance to General Management and other interdisciplinary subjects. These sessions were very well received by the students and the department encourages such workshops as it bridges the gap between academics and the industry. The alumni have also shown keen interest in this regard.

The Workshops committee for the BMS department was conceived to give an insight into the industry. They equip the students with necessary skills and tools to keep pace with the dynamic environment. These workshops are necessitated by the fact that practical knowledge is as quintessential as theoretical knowledge. Workshops provide a platform for students to interact with the professionals, and to learn from their experiences.

The Workshops Committee for the BMS department organizes workshops for its students from first year, second year and third year. The academic year started with a workshop organized by Fr. Terry Quadros, SJ, Director of Counseling Center, St.Xavier’s College on ‘Classroom survival’ which was an orientation for the First Year students. With an enthusiastic response from the students, we organized another workshop organized by Fr. Gordon Daniells, SJ, Head, Corporate Extension Services, Xavier’s Institute of Communication on Leadership for the First and Second Year Students.
The workshops are supplemented with study material on the subject matter for the students. The workshops are made more interactive through role play, group discussion and case studies. On completion of the workshop, the participants have been more aware of the subject matter which is gauged through the feedback form.

7. No. of Department Library: Printed Books added: --This year a whole range of books were added to the following streams:
   a. Marketing from an Asian perspective
   b. Finance and other related books
   c. Entrepreneurship
   d. Human Resource Management
   e. Productivity and Logistics
   f. The department also ordered journals like HBR and international Finance journals

Web-resources CDs added …-----
   e-Books added: --…

8. No. of Faculty using ICT and PPTs: all the permanent and visiting faculty use ICT and PPTs. We have also started using Moodle for enhancing the teaching learning mechanism.

9. New Equipment and Infrastructure added: internet data card, fixed projectors in all the BMS class rooms and mobile projector in case of need. The department also has 3 laptops.

10. Strengths:
   The department had the following activities:
   Zephyrus: inter collegiate (national level) management based - three day event
   CII – Y I events
   Management Research Journal was published in 2013
   E-cell activities were held

Our efforts through the year have resulted in the following strengths:

- Excellent course structure and the introduction of new subjects and electives from the second year itself.
- Students: the department attracts the cream of the students, they are not only academically brilliant but they are also selected after taking an entrance exam and clearing a personal interview round.
- Summer Internships is also another strength for the department as the students get a feel of the corporate world
- Associations with CII, NEN give us the opportunity to go beyond the syllabus and equip the students with managerial skills and abilities.
• Visiting Industry professionals give our students the practical approach to the various theoretical aspects learnt

• Dedicated professors and eager students works as an ideal combination for information generation.

• Excellent placements for the BMS graduates in the top consultancy, marketing and financial firms

• Participation of the students in the various exchange programmes organized by the college to various universities abroad.

• Under the cross faculty Special course paper the department offers a paper in the field of Financial Management: “Management Accounting and Investment &Portfolio management” This course is open to the Science students of the college

List the teaching methods adopted by the faculty for different programmes.

In addition to the chalk and talk method of teaching, the following methods are also used:

Power point presentations
Group Discussions
Debates and quiz
Class interaction
News paper articles
Reference books
Case Studies
Industrial Visits

Industry based projects

Book reviews and reference to journal articles

• The full time faculty of the BMS department are also teaching Management related courses in the following Departments:
  ➢ Financial Management : BMM
  ➢ Integrated Marketing Communications: BMM
  ➢ Human Rights (SPC) : B Sc IT
  ➢ Cross Faculty Programme: Management Accounting and Investment &Portfolio management.
  ➢ Entrepreneurship and Business plan related modules taken for the students of Science departments.

11. Weakness
   a. The academic staff also needs to focus on research.
   b. The permanent faculty needs to engage in refresher courses.
c. Unable to provide hostel admissions to the females students who find it difficult to secure hostel facilities close to college

12. Student Feedback on Curriculum: Yes or No : Yes

Teaching Learning-Evaluation Processes: Yes or No: Yes

The students are always welcome to give feedback on both the curriculum and the teaching – learning- evaluation.

14. The system of TAQs is a very effective method of getting feedback from the students

15. They are free to come and discuss any problem with the head of the department. The issue is taken up with the help of the teachers. This could include problems the students face with regards to academics/ projects/groups or any other personal issue

16. Mentoring sessions: Every teacher is assigned a small group of 20 students and they are mentors for these students. This has been found to be a very effective tool in obtaining feedback from students both on the academic and personal front.

13. Recommended actions : --

17. To use Moodle as a mode of teaching – learning- evaluation methodology

18. To design short courses for working professionals

19. To offer choice based credits courses as a future option

20. To have more than one division for the programme.

21. To have more exchange programmes with universities abroad

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IQAC, Chairperson                        Head of Department                        IQAC, Director
Dr. Frazer Mascarenhas, S.J.         Ms. Soni George Tharakan           Dr. Roy Pereira, S.J.
Principal                                    Vice Principal (Academics)

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Department Report
Session: 2013 - 2014

1. Name of Department: Mass Media
2. No. of full time permanent faculty : 2
3. No. of part time Visiting/temporary contractual faculty: 7 visiting faculty, 1 contractual faculty
4. No. of PG / UG courses: ONE
5. Curriculum Revisions Info:
A Special Resolution was passed by the Subject Board in Bachelors of Mass Media for St. Xavier’s College Autonomous to make the course in Semester I A.BMM.1.06 Computer Graphics I and Semester II A.BMM.2.06 Computer Graphics II a practical paper of 100 marks. It will be implemented as a practical paper with the following break up in assessment.

- Continuous internal Assessment (practical) of 60 marks
- Viva Voce of 40 marks

As against the current system of

- Continuous internal assessment (practical) of 40 marks
- Term End assessment (written) of 60 marks

6. Research: Publications. NA

Number of Conferences/Lectures Organised:

- Zietgiest - the media Conference. Interaction of media professionals with students through conferences, workshops and panel discussions.
- Karen Jacobs –The Fulbright Scholar invited and hosted by the department. Conducted a month long program on narratives of the Natives.
- Honors programs on Academic writing, Semiotics, Anthropology of The Indian Ocean, Culture and Cinema, Law and Policy.
- Workshops on TV and radio production

7. No. of Department Library: Printed Books added: 45 books
   Web-resources CDs added: 6 DVD/CD
   e-Books added: 10

8. No. of Faculty using ICT and PPTs:
   ALL 3 FULL TIME FACULTY. 6 VISITING FACULTY

9. New Equipment and Infrastructure added:
   Existing Computer/projesction/sound Upgraded.

10. Strengths:
    a. Academic and Professional strengths of the BOS members
    b. Equalization process conducted by the college helps in attracting academically sound students.
    c. Faculty experience

11. Weaknesses:
    a. Need to strengthen admin and tech support

12. Student Feedback on Curriculum: Yes
    Teaching Learning-Evaluation Processes: Yes

13. Recommended actions:
- Constant need to innovate in developmental communication education.
- Encourage students to take up active communication research
- Strengthen outreach programs and community based learning.

IQAC, Chairperson                      Head of Department                      IQAC, Director
Dr. Frazer Mascarenhas, S.J.           Ms. S.P Periyananagi                    Dr. Roy Pereira, S.J.
Principal                              Ms. S.P Periyananagi                    Vice Principal (Academics)

Department Report
Session: 2013 - 2014

1. Name of Department: Information Technology
2. No. of full time permanent faculty: Four
3. No. of part time Visiting/temporary contractual faculty: Head of the department + visiting faculty - 4
4. No. of PG / UG courses: one UG course Ph.D. Students: NIL;
5. Curriculum Revisions Info: The courses have been revised by the board of studies from time to time to be relevant to the current IT industry needs
6. Research: Publications International:….NIL
   National: …. NIL
   National Conferences: NIL…..
   International Conference: NIL…..
   Ph.D. Theses Submitted: NIL. …. Awarded: NIL…….
   Number of Lectures Organised: Four
20/12/2013 - Presentation – Changing Trends in IT – Prof. Kevin D’Cruz
   24/01/2014 - Discussion – Study options Abroad - Prof Rashida Haidermota
15/01/2014 - Presentation – Python Seminar – Kedar Deore – SY BSc IT student (at the time of presentation)

1/2/2014 - Seminar – Stories by Professionals of the Trade - Ms. Dipika Singh (Senior Consultant in Capgemini) and Mr. Utkarsh Patkar (10yrs + exp in IT Industry and currently in General Mills)

7. No. of Department Library: Printed Books added: About 15…..
   Web-resources CDs added: ……..
   e-Books added: …
8. No. of Faculty using ICT and PPTs: All faculty members use ICT and PPTs
9. New Equipment and Infrastructure added: NIL
10. Strengths: 
- Faculty with different expertise in diverse domains
- Continuous improvisation in syllabus under autonomy

11. Weaknesses:
- Absence of dedicated computer lab for faculty and students

12. Student Feedback on Curriculum: Yes
   Teaching Learning-Evaluation Processes: Yes
   Recommended actions:

   IQAC, Chairperson                                      Head of Department                                      IQAC, Director
   Dr. Frazer Mascarenhas, S.J.                          Dr. Jyoti Singh                                           Dr. Roy Pereira, S.J.
   Principal                                                                                               Vice Principal (Academics)

Annexure VIII

The Placement Cell
The Placement year 2013-14 commenced in July 2013 with an address by Principal, Dr. Fr. Frazer Mascarenhas to all the Final Year students, wherein he urged them to work constructively, academically, think about their future careers, and become good citizens of our Motherland. Placement Adviser Mr. Fidelis Mascarenhas then spoke on the services, procedures and policy regarding the placement services that the College provides. Fr. Terence, a Professional Counselor, provided powerful insights with great clarity regarding career choices, all of which was an immense help to the students. The Principal then inaugurated the Placement Tab on the College website which was a long felt need and one which would prove to be a great source of information to students and employers alike. Following student registrations, Comprehensive Placement Guidelines were sent to each of the 445 students. The note covered the entire gamut of Career Planning, CV building, Developing Interview skills and other relevant information. On August 10th 2013, Mr. Tanmoy Roy, D.G.M. Human Resources at Mahindra & Mahindra Corporate HR, conducted a workshop covering aspects such as what a Professional Manager looks for in a fresher’s CV; how to structure a good resume, and the do’s and don’t's at an interview. A robust Q & A Session followed on diverse topics wherein several queries were answered to the satisfaction of students across various academic streams. On September 10th 2013, the B.Com. students had a special evening workshop conducted by ex-student and senior Search Executive, Roydon Gonsalves and by XIMB ex-student and HR Manager at Reliance Group, Anthony Fernandes, who specially covered CV building, personal grooming and body language, and expectations at formal interviews. Conducted in an informal and homely manner, the audience participation and response was exceptional.

On December 4th 2013, a special interactive session chaired by Vice Principal of Science, Dr. Rajendra Shinde was held exclusively for Science students, to encourage them to join the Placement drives in larger numbers. A high profile team from Heidricks & Struggles (H&S), one of the best Global talent acquisition firms conducted this session. Career opportunities for Science students and how to do well at an interview formed the basis of a very interesting PPT, after which a unique mock interview session was held featuring 3 students in a live interview with questions being asked by interviewers, one of whom was in New Delhi and telephonically linked. Questions were taken from the floor and it ended on a very cheerful note. During the year, the Placement Policy underwent a change with students being restricted to only the first placement offer received on Campus, thereby serving the larger interests of both the student body as well as the employer. This had a salutary effect. As the year ended, a higher number of offers were made to the registered data base. There were over sixty employers, on-campus and off-campus and they offered approximately two placements each. A special effort was made to bring in employers catering to all streams and for the first time, a number of first time employers like Reckitt Benckiser, RIL Life Science, Star India, Jet Airways, Lakme, Levers, Reliance Brands, AXIS Bank, HDFC Bank, Credit Suisse Bank and KPMG offered positions in their respective organizations. Further, a number of employers offered starting salaries between 5 – 10 lakhs per annum. A special appreciation is due to placement adviser Mr. Fidelis Mascarenhas, Mr. Saju V George, Mr. Alok Gude, Mr.. Ashok Bingi, Dr. Shiney Perter and the team of students who worked hand in hand with the staff to make Placements 2013-14 an effective one.