

# Christ College, Rajkot



## Annual Quality Assurance Report

[AQAR 2011-2012]

Christ College, Rajkot

## Foreword

I am happy to forward to NAAC the AQAR of Christ College Rajkot, for the academic year 2011 -12. It is the second report of the college after its re- accreditation in January 2010.

A glimpse of these pages is enough to show that the institution has taken great pains to maintain and enhance the quality of education imparted to its students. On the curricular front, the introduction of the Choice Based Credit System (CBCS) has been a great step in a new direction. The continuous Assessment Process as envisaged by the system helps the student be an active player in the learning process bringing out his creative talents.

Among the co-curricular activities of the College, an important event has been the organizations of a science fair – typically called “the Science Inspire Programme”, under the auspices of the Department of Science and Technology Govt. of India. The purpose of the programme is to inculcate a spirit of science among the young students and get them interested to pursue the science streams in their high education. It assumes significance against the backdrop of the dwindling admissions in pure science subjects.

We continue with our industrial visits of the students to reputed industrial firms to give them an on the spot knowledge of the things they learn in the classrooms. The nature – trips and trekking help them develop a love for nature and a spirit of adventure, besides making learning a joyful experience.

I place on record my gratitude and deep appreciation on behalf of the institution towards the NAAC coordinator, Dr. Yvonne Fernandes and her team for strenuously preparing this AQAR of the activities of the College.

Fr. Joseph. V. A

## AQAR 2011-2012

### CONTENTS

#### Part A: Action Plan & Outcome

#### Part B:

1. Activities reflecting the goals and objectives of the institution
2. New academic programmes initiated (UG and PG):
3. Innovations in curricular design and transaction
4. Inter-disciplinary programmes started
5. Examination reforms implemented
6. Candidates qualified: NET/SLET/GATE etc.
7. Initiative towards faculty development programme
8. Total number of seminars/workshops conducted
9. Research projects
  - a) Newly implemented:
  - b) Completed:
10. Patents generated, if any
11. New collaborative research programmes
12. Research grants received from various agencies
13. Details of research scholars
14. Citation index of faculty members and impact factor:
15. Honors/Awards to the faculty:
16. Internal resources generated
17. Details of departments getting SAP, COSIST (ASSIST)/DST. FIST, etc. assistance/recognition
18. Community services
19. Teachers and officers newly recruited:
20. Teaching – Non-teaching staff ratio:
21. Improvements in the library services:
22. New books/journals subscribed and their value
23. Courses in which student assessment of teachers is introduced and the action taken on student feedback
24. Unit cost of education
25. Computerization of administration and the process of admissions and examination results, issue of certificates
26. Increase in the infrastructural facilities
27. Technology upgradation
28. Computer and internet access and training to teachers and students
29. Financial aid to students
30. Activities and support from the Alumni Association
31. Activities and support from the Parent-Teacher Association
32. Health services

33. Performance in sports activities
34. Incentives to outstanding sportspersons
35. Student achievements and awards
36. Activities of the Guidance and Counselling unit
37. Placement services provided to students
38. Development programmes for non-teaching staff
39. Healthy practices of the institution
40. Linkages developed with National / International, academic / Research bodies
41. Any other relevant information the institution wishes to add

**Part C: Future Plans**

**PART – A**

## Part A

**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.**

At the meeting of the IQAC held on July 04, 2011 the activities of the year 2010-2011 were reviewed and activities to be conducted during the year 2011-2012 were planned.

### **The Plans for the year 2011-2012 were**

#### **A. Institutional Activities:**

It was decided to conduct the following institutional activities in order to facilitate and promote an all-round development of students through their active participation in activities of the College

- Felicitation Day
- Vivdha- National Level Meet
- National Level Science Symposium
- Campus Day Celebration
- INSPIRE CAMP

#### **B. Curriculum Development**

Initiate Post graduate courses: MSc Chemistry, Biotechnology & Microbiology and MSc IT

#### **C. Counselling to enhance student profile**

- General Counselling before admission
- Visit higher secondary schools in the region of Saurashtra and Kutch

#### **D. Student Activities**

- Promote Students Research activities
- Organize more inter-college events
- Enhance involvement and support of Alumni and Parents in conducting activities for the students of the College.

#### **E. Infrastructural Development**

- Upgrade IT resources for the teaching-learning purpose
- Purchase of laboratory equipments as per the requirement of the revised curriculum

#### **F. Faculty Development Programmes**

- Teaching Methodologies
- Applications of ICT in the teaching learning process

#### **G. Quality Assurance**

Record and monitor Quality measures of the College

#### **H. In addition to the activities planned at the institutional level, various activities to be conducted by the various Departments of the College were as follows:**

##### **Physics Department**

- ✓ Expert Lectures
- ✓ Essay Writing Competition
- ✓ State Level Oral and Poster Presentation Competition
- ✓ School Level Science Quiz Competition
- ✓ Night Sky Watching Programme

##### **Chemistry Department**

- ✓ Industrial Visits / Tour
- ✓ Visit to Research Centre

- ✓ State Level Poster Presentation Competition
- ✓ Inter-class Oral Presentation Competition
- ✓ Inter-school Article Writing Competition cum Exhibition
- ✓ Workshop on Structural Chemistry
- ✓ Presentation –Student Research Projects

**Computer Application Department**

- ✓ Seminars & Workshop
- ✓ Expert Lectures
- ✓ Network Exhibition
- ✓ Programming Competition
- ✓ Project Presentation

**Mathematics Department**

- ✓ Preparatory Test for Competitive Examinations
- ✓ Inter-class Quiz Competition

**Bioinformatics Department**

- ✓ Online Video Lectures
- ✓ Review Article Presentation
- ✓ Research Article Presentation
- ✓ Educational Tour

**Biotechnology Department**

- ✓ Educational Movie Show
- ✓ Seminars
- ✓ Inter-class Quiz Competition
- ✓ Study Tour

**Microbiology Department**

- ✓ Seminars
- ✓ Visit to Food Industries
- ✓ Visit to Drinking Water Plant
- ✓ Visit to Clinical and Pathological Laboratory
- ✓ Training Programme on Blood Transfusion
- ✓ Debate Competition
- ✓ Educational Tour

**Biology Department**

- ✓ Movie Show on Animal Behaviour
- ✓ Identification of Plants near Campus
- ✓ Bird watching Programme
- ✓ Visit to Pharmacy Department
- ✓ Visit to a Zoo
- ✓ Visit to a Poultry Farm

**Commerce Department (Commerce Association)**

- ✓ Management Games
- ✓ Movie-review
- ✓ Industrial visit
- ✓ Seminars / Guest Lecture

**Business Administration Department (Trendsetters)**

- ✓ Management Quiz
- ✓ Case Analysis
- ✓ Ad-Hungama
- ✓ Group Discussion
- ✓ Industrial Visits

**English Department (Creative Zone)**

- ✓ Guest Lectures
- ✓ Movie-review
- ✓ Poetry Recitation Competition
- ✓ Spelling-Bee Contest

**Science Club**

- ✓ Expert Lecture
- ✓ Essay Writing Competition
- ✓ Scitoon Competition
- ✓ Poster Presentation Competition
- ✓ Publication of CHRIST SCIWAM

**Outcome achieved by the end of the year**

**A. Institutional Activities**

Events organized by Christ College, Rajkot during the year 2011-2012 were

**1. Saurashtra University North Zone Youth Festival**

Saurashtra University North Zone Youth Festival was jointly organized by Saurashtra University & Christ College, Rajkot on September 25 & 26, 2011

The Colleges affiliated to Saurashtra University are divided into two zones - North Zone and South Zone. Christ College, Rajkot was privileged to host the Saurashtra University North Zone Youth Festival on September 25 & 26, 2011. The programme had 34 different events spread over two days and was witnessed by about two thousand students and civilians across the region.

The Chief Guest for the inaugural function was **Hon. Collector Rajkot District, Dr. Rajendrakumar** and the inaugurator was **Hon. Rajkot Municipal Commissioner Shri Ajay Bhadoo**. Other eminent dignitaries present were **Hon Vice Chancellor Dr. M.K. Padalia**, deans of various faculties of Saurashtra University and syndicate and senate members Saurashtra University

More than thirty colleges of three districts- Rajkot, Jamnagar and Surendranagar, of the North Zone of Saurashtra University participated in various events organized during the Youth Festival. There were 536 entries for the thirty-four different competitions conducted during the two days of the Youth Festival.

The conveners for the Saurashtra University North Zone Youth Festival were Dr. Jatin Soni Director, Physical Education, Saurashtra University Rajkot and Dr. Yvonne Fernandes, Head Department of Chemistry, Christ College Rajkot.

The success of the event is attributed to the concerted efforts of the Management & Staff of Christ College as well as the cooperation of the officials from Saurashtra University.

## 2. 'Vividha 2011-Empowering Versatility in Edutainment'

Vividha 2011- A National Level event was organized by the department of Commerce and Business Administration, Christ College, Rajkot to Empower Versatility in Education through Entertainment on September 17, 2011.

Vividha 2011 was an event full of life and enthusiasm. All the six competitions were held: i for Interview, The Innovative Entrepreneur, The Ad-FAD, Movie Review Presentation Competition, Paper Presentation and Poster Presentation. More than 15 colleges and 400 students from across India participated in the event

The day began with the Inaugural Ceremony with the Chief Guest and Key Note Speaker as Mr. Girish Nikam- Consultant (special shows & Research) Rajya Sabha TV, a nationally renowned journalist since the last 28 years.

The events were judged by well known experts in various fields. After the completions, 'Breather - the Cultural Evening' was a big blast with excellent performances by students of Christ College. This was followed by the Valedictory Function wherein the winners were awarded with trophies and certificates.

The winners of all the events were as follows:

No	Competition	Outside winners	In-house winners
1	The AD FAD	1. C.U. Shah College of Commerce 2. R.J. Tibrewal College of Commerce	1. Monica Pandyan, Ravi Mehta, Parth Mehta, Kapsi Abdeali
2	Paper Presentation	1. J.H. Bhalodiya Women's College 2. G.L.S. Institute of Business Administration	1. Pratik Karia, Joanna Philips
3	Poster Presentation	1. Gyan Yagna College 2. M.P. Shah College	1. Swati, Vishal 2. Sheetal Chandra, Riddhi Mody
4	Movie Review Competition	1. R.J. Tibrawal College of Commerce 2. G.L.S. Institute of Business Administration	1. Rahul Sheth, Jitesh Garva, Ravi Kataria, Nilkhar Amlani 2. Priyanka Mukherjee, Soni Zala, Bhavisha Bhakhada, Nirav Pipaliya
5	i for Interview	1. G.L.S Institute of Business Administration 2. J.H. Bhalodiya College	1. Neha Murthy 2. Ishita Shah
6	Business Plan	1. J.H. Bhalodiya Women's College 2. M.J.Kundaliya College	1. Pooja C, Melanie, Solomi 2. Shailesh Bhalara, Anjani & Zeophuen, Ravi

The 'Best College Trophy' was awarded to J.H. Bhalodiya Women's College, Rajkot.

Mr. Gaurav Vora, Assistant Professor of Accountancy, from the department of Commerce and Business Administration was the Convener. Ms. Neha Murthy and Mr. Dhwanit Munshi was the students' coordinators for the Vividha 2011.

### 3. 'TechArena 2012-Measuring Technical Excellence'

Department of Computer Applications, Christ College, Rajkot organized TechArena, a national level event, on January 29, 2012.

'*TechArena2012-Measuring Technical Excellence*' as the tag line suggests, is to measure the technical knowledge of students and explore their excellence at the national level. TechArena2012 laid emphasis on activities that enhance presentation, collaboration, communication and programming skills of students of Computer Science.

The day began with the inaugural ceremony which included the keynote address by Dr. Bhushan Trivedi, Director, MCA programme, GLS College, Ahmedabad and address by Chief Guests: Dr. Girish Bhimani, Dean Faculty of Science, Saurashtra University, Rajkot and Dr. N.N. Jani, Director & Head, S.K. Patel Institute of Management and Computer, Gandhinagar. The inauguration was witnessed by host of dignitaries from the IT field.

During the day, five different competitions were held: Paper Presentation, Poster Presentation, Quiz Competition, Programming Competition and Hardware & Software Competition

Around 300 students from 25 colleges across the country participated in the event. The feedback of the students was very encouraging. The keynote speaker and other chief guests appreciated the teamwork and the dedication of staff and students which led to the success of *TechArena 2012*.

Mr. Shailendrasinh Jadeja, Assistant Professor, Depart of Computer Applications was the convener of the event. Ms. Femy Francis, TY BCA and Mr. Mihir Doshi SY BCA were the student coordinators.

### 4. 5<sup>th</sup> National Level Science Symposium

Christ College once again proved that it not only adopts Quality Policies but also implements them, when the College hosted the '5<sup>th</sup> National Level Science Symposium 2012' on the 'Recent Trends in Science and Technology', on March 18, 2012. The Symposium was **sponsored by Gujarat Council on Science and Technology (GUJCOST) Gandhinagar**. Through this symposium, we at Christ College, Rajkot, aimed at providing

- An exposure to the latest developments in various fields of Science and Technology
- A platform to interact with eminent scientists and subject experts
- Knowledge enhancement particularly in areas of interest
- Career guidance aimed at selection a subject for higher studies
- An opportunity to strengthen inter-institute collaboration and institute-industry networking.

Various institutes and colleges across the nation were invited to be a part of the Symposium. The symposium was open to under graduate students, post graduate students as well research scholars. More than 500 delegates from across the nation participated in the Symposium.

The inaugural function began with a prayer song which was followed by a welcome address and introduction to the Symposium by the Convener of the event. The Symposium was formally inaugurated by the Chief Guest for the inaugural function, Dr. Kailas Swaminathan Director, Physics group, Bhabha Atomic Research Centre (BARC) Trombay, Mumbai, Guest of Honour, Dr. G.C. Bhimani Dean, Science Faculty, Saurashtra University, Rajkot, Keynote speaker Dr. Biswajit Ganguly, Scientist, Central Salt and Marine Chemical Research Institute (CSMCRI), Bhavnagar, Principal, Christ College, Rajkot, Rev. Fr. Joseph V.A. and Finance Administrator, Christ Campus, Rajkot Rev. Fr. Benny Joseph.

At the inaugural function, Dr. Kailas Swaminathan delivered a keynote address on 'Atomic Energy in National Development - Nuclear Science, Technology and Society' while Dr. Biswajit Ganguly interacted with the delegates on 'Chemistry Our Life, Our Future'. Dr. G.C. Bhimani, Dean of the Science faculty, addressed the delegates on the significance of pure sciences and encouraged the students to make the best of the opportunities available by actively participating in the Symposium.

After the inaugural function, the Symposium was conducted in three different groups. An 'Expert Talk' by Dr. Radhakrishnan, Scientist, NRCG, Junagadh was arranged for the students of Life Science.

Competitions were held in Oral Presentation, Poster Presentation and Project Presentation. Experts from various fields were invited to judge the competition.

On the completion of the competitions the valedictory function was held at 6.00 p.m. Dr. Alok Chakrawal, the Chief Guest for the function delivered an inspiring speech on the significance of a symposium and the role of the delegates in participation. The participants securing the first and second position in each category UG, PG and Research and each subject; Physics, Chemistry, Mathematics, Statistics, Computer Science, Bioinformatics, Biotechnology, Microbiology, Botany, Zoology & Biochemistry were felicitated with certificates and mementos. All delegates were awarded a certificate of participation.

**Christ College, Rajkot is thankful to GUJCOST, Gandhinagar for the financial assistance of Rs. 1,00,000 (Rupees One lakh) for organizing the 5<sup>th</sup> National Level Symposium on 'Recent Trends in Science and Technology'.**

Dr. Yvonne Fernandes, Head Department of Chemistry was the convener and Dr. Ramesh Kothari, Head Department of Microbiology was the co-convener for the Symposium. The concerted effort and wholehearted involvement of the Management, Staff and students of Christ College lead to the success of this National Level Symposium.

## **5. Felicitation 2012**

### **'Winners don't do different things they do thing differently'**

The felicitation ceremony of Christ College, Rajkot was held on February 25, 2012. Dr. M.K. Padalia, Hon Vice Chancellor Saurashtra University, Rajkot was the Chief Guest. Guests of Honour included the Deans of Science, Commerce, Management and Arts faculty while office bearers of PTA, Christ College, Rajkot, Heads of various Departments of Saurashtra University and parents of meritorious students were the invited dignitaries.

The programme began with a prayer dance which was followed by the welcome address by Rev. Fr. Joseph V.A, Principal Christ College, Rajkot.

The Felicitation Day is held every year to acknowledge the sincere efforts of the students of the College. The main objective in organizing this event is to act as a motivating force urging the students to perform to the best of their abilities.

At the felicitation function the first and second year students who secured the first position in their class were awarded mementos and certificates. The final year students were awarded a gold medal and a certificate for securing the first position in the College at the Saurashtra University Third Year Examinations held in March/ April 2011. For the academic year 2011-12, four students of the College secured positions among top ten in Saurashtra University in Third Year Examinations: Parul Lalani (Mathematics) stood First, Sheethu V. Mohan (Physics) fourth, Panicker Ashish (Physics) seventh & Manek Bhindi (Computer Science) ninth. These University rank holders of our College were given cash awarded of Rs 5000 each.

Alumni of Christ College, Ms. Dimple Karia and Mr. Abhay Kotecha have donated a sum of Rs. 10,000 to award fellowship of Rs. 5000 each to two students - one each from the Bioinformatics and Biotechnology Departments. The recipients of this award were Shivangi Khatri of TYBSc Bioinformatics and Jhala Ujjwalakumari of SYBSc Biotechnology.

The College has instituted thirteen special awards to felicitate the students for their outstanding performance in co-curricular activities as well as extra-curricular activities including NCC and sports: Budding Scientist, Innovative Entrepreneur, Creative Talented, Computer Mastermind, Excellence in Leadership, Best Anchor, Best NCC Cadet –Male, Best NCC cadet-Female, Sportsperson of the Year and Most Regular Student in each faculty- Science, Commerce, Management & Arts.

At the felicitation function the winners of various competitions held during the North –Zone Youth Festival and Inter-zone Youth Festival organized by Saurashtra University were also felicitated with mementos and certificates.

The ‘Rev Bishop Gregory Award’ was instituted, in the year 2006-2007, on the occasion of the Silver Jubilee of the Episcopal Ordination of His Excellency Rev Bishop Gregory Karottemprel cmi, Bishop of Rajkot. The award is conferred on a Final Year student of the College. The selection is based on the following criteria - Academics, Extra-curricular Activities, Sports, NCC, Discipline & Conduct and an interview with an expert panel. The award consists of a memento and a cash award of Rs. 5000. The title of ‘Rev. Bishop Gregory Award: Best Student of the Year 2011-2012’ was conferred on Ms. Anjani Dhrangadhariya, TYBSc Bioinformatics.

The programme ended with Vote of Thanks which was followed by the College Anthem.

The inspiring speech by the Chief Guest Dr. M.K. Padalia, Hon Vice Chancellor Saurashtra University, Rajkot and the presence of the dignitaries and parents at the programme boosted the morale of the students.

#### **Awards:**

- **Highest Scorer at the Saurashtra University Exam – March / April 2011**

The students securing the highest marks in each class at the **First and Second Year** Saurashtra University Examinations March / April 2011 were felicitated with mementos and certificates.

- The top scorers of College at the **Third Year Examinations** of Saurashtra University March / April 2011 Examinations were felicitated with **Gold Medals** and Certificates.

No.	Class	Name of the Student
1	TYBSc Biotechnology	Pooja Debnath
2	TYBSc Microbiology	Dayon Thomas
3	TYBSc Computer Science	Manek Bindi
4	TYBSc Chemistry	Miral Lunagariya
5	TYBSc Physics	Sheethu V Mohan
6	TYBSc Mathematics	Parul Lalani
7	TYBCom	Rishita Lalani
8	TYBBA	Jasani Priyanka D
9	TYBA	Sneha Patel
10	BCA [Aggregate]	Sheethal John
11	BSc Bioinformatics [Aggregate]	Nair Shreeja Rajendran

- University Top –Ten**

Third Year students securing positions among the top ten in Saurashtra University Examination held in March/April 2011 were felicitated with a cash award of Rs. 5000 each.

No.	Name of the student	Department	Position	%
1	Parul Lalani	Mathematics	First	83.85 %
2	Sheethu V. Mohan	Physics	Fourth	82.14 %
3	Panicker Ashish	Physics	Seventh	81.0 %
4	Manek Bhindi	Computer Science	Ninth	78.9 %

- Karia- Kotecha Fellowship**

Alumni of Christ College, Ms. Dimple Karia and Mr. Abhay Kotecha donated a sum of Rs. 10,000 to award fellowship of Rs. 5000 each to two students - one each from the Bioinformatics and Biotechnology Departments. For the year 2011-12, the following students were awarded the fellowship.

No.	Name	Class
1	Shivangi Khatri	TYBSc Bioinformatics
2	Jhala Ujjwalakumari D	SYBSc Biotechnology

- Special Awards**

The College has instituted several awards for the outstanding performance of the students of the College

No.	Award	Name of the Student
1	Budding Scientist (Science Faculty)	Mr. Shailesh Bhalara
2	Innovative Entrepreneur (Commerce & Mgt)	Ms. Neha Murthy
3	Talented Creative (Arts)	Ms. Priyanka Mukherjee
4	Computer Mastermind (Computer)	Mr. Vishal Channar
5	The Most Regular Student (Science Faculty)	Mr. Rijo Antony
6	The Most Regular Student (Commerce Faculty)	Mr. Yogendra Pal
7	The Most Regular Student (Management)	Mr. Parekh Agam
8	The Most Regular Student (Arts Faculty)	Mr. Vishesh Bara

9	Excellence in Leadership	Ms. Pooja Chandanani
10	Best Anchor of the Year	Ms. Ishita Shah
11	Best Male NCC - Cadet	SUO Dilip Palai
12	Best Female NCC - Cadet	SUO Purna Dwivedi
13	Sportsperson of the Year	Mr. Sampat Paras

- **Achievements at Saurashtra University Youth Festival 2011-2012**

Students of the College participated in the Saurashtra University North Zone Youth Festival and the winners were selected to participate in the inter-zone youth festival. The winners were felicitated with certificates and mementos

**Ms. Swati**

- First in Cartooning – Inter-zone Youth Festival
- First in cartooning – North Zone Youth Festival
- Second in On the Spot Painting – North Zone Youth Festival

**Kuzhipara Sandeep V**

- First in Western Group Song – Inter-zone Youth Festival
- Second in Western Group Song – North Zone Youth Festival

**Kataria Ravi**

- First in Western Group Song – Inter-zone Youth Festival
- Second in Western Group Song – North Zone Youth Festival

**Jibin Jacob**

- First in Western Group Song – Inter-zone Youth Festival

**Justine Raju**

- First in Western Group Song – Inter-zone Youth Festival

**Karia Pratik**

- Second in Western Group Song – North Zone Youth Festival

- **‘Rev Bishop Gregory Award’ ‘The Best Student of the Year 2011-2012’**

The ‘Rev Bishop Gregory Award’ was instituted, in the year 2006-2007, on the occasion of the Silver Jubilee of the Episcopal Ordination of His Excellency Rev Bishop Gregory Karottemprel cmi, Bishop of Rajkot. The award is conferred on a Final Year student of the College. The selection is based on the following criteria- Academics, Extra-curricular Activities, Sports, NCC, Discipline & Conduct and an interview with an expert panel. **The award consists of a memento and a cash award of Rs. 5000.** The title of ‘Rev. Bishop Gregory Award: Best Student of the Year 2011-2012’ was conferred on Ms. Anjani Dhrangadhariya, TYBSc Bioinformatics.

## 6. **Campus Day cum Jubilee Celebration**

Keeping the tradition of the Christ family, all the groups of Colleges on Christ participated in the **Campus Day cum Silver Jubilee Celebrations of the Priestly Ordination of Rev Fr. Joseph V.A. cmi**, Principal Christ College, Rajkot and Director Christ Campus, Rajkot held on April 24, 2012.

On this occasion, Rev Fr, Joseph was felicitated by His Excellency Mar Jose Chittooparambil, Bishop of Rajkot Diocese and representatives from the various institutes on Christ Campus. The celebrations included a host of cultural events put up by the students of the various institutes on Christ Campus. The cultural events included a prayer dance, folk dance, western dance and a meaningful ballet depicting the life journey of Rev. Fr. Joseph from birth upto his present status..

#### **7. INSPIRE SCIENCE CAMP 2012**

Innovations in Science Pursuit for Inspired Research an initiative by DST, Govt. of India, May 06-10, 2012.

INSPIRE 2012 was totally sponsored by DST, Govt. of India. 250 higher secondary students from the region of Saurashtra and Kutch participated in the camp. The programme included interactive sessions with nationally and internally renowned scientists and scientific entertainment programmes.

The Convener for the event was Dr. Ramesh Kothari, Head Department of Microbiology and Co-convener Mr. Paresch Joshi, Assistant Professor, Department of English.

#### **B. Curriculum Development**

Christ College has put in an application

- To Saurashtra University to initiate Post graduate courses: MSc Chemistry, Biotechnology & Microbiology and MSc IT.
- To University Grants Commission, New Delhi for initiating Innovative and Career Oriented Courses

The outcome of the proposals is awaited.

#### **C. Student Profile**

With a view to enhance the student profile, the faculty members visited various higher secondary schools in the region of Saurashtra and Kutch.

As a part of social responsibility, Christ College, Rajkot under the leadership of Christ Promotion Committee organizes an awareness campaign every year. The campaign is aimed at bringing awareness among the higher secondary students regarding various career options after HSC. The College organized the promotion campaign from January 02 to 05, 2012. Nine different teams consisting of four staff members each visited as many as 120 schools in the region of Saurashtra. Each team interacted with the students and discussed in detail various career options that they may choose. Following nine routes were covered during the campaign

No.	Route name	Other Places covered
1	Porbandar	Dhoraji, Upleta, Jam Jodhpur
2	Amreli	Mahuva, Sawar Kundala
3	Veraval	Keshod, Sutrapada, Kodinar, Una, Diu
4	Bhavnagar	-
5	Jamnagar	Kalawad, Jamkhambhaliya, Mithapur
6	Himatnagar	Bayad, Modasa, Idar

7	Bhuj	Morbi, Gandhidham
8	Junagadh	Gondal, Jetpur
9	Surendranagar	Vankaner, Chotila, Dhangadhra

#### D. Student Activities

Christ College has always aimed at a student centric teaching learning process with emphasis on an all round personality development. A number of activities, academic and extra-curricular activities were conducted with the students taking the lead role in organizing the events. Academic activities were conducted under the guidance of the head of the Departments and the extra-curricular activities under the guidance of staff coordinators.

Almost all the departments encourage and guide students in various projects.

A number of Inter-institute events were organized:

- ✓ **Vividha 2012- Empowering versatility in Edutainment-September 17, 2011**
- ✓ **TechArena 2012- Measuring Technical Excellence – January 29, 2012**
- ✓ **National level science Symposium 2012 – March 18, 2012**
- ✓ **State Level Oral & Poster Presentation Competition, Department of Physics - September 06, 2011**
- ✓ **State Level Poster Presentation on Competition ‘Recent Trends in Chemistry and Chemical Technology’, Department of Chemistry -January 28, 2012**
- ✓ **Inter-school Article Writing Competition cum Exhibition, Department of Chemistry – September 15, 2011**
- ✓ **Inter-school Quiz Competition, Department of Physics – December 20, 2011**

#### E. Infrastructural Development

To enhance the IT resources for the teaching-learning purpose the following infrastructural facilities have been added to the existing resources

- A new Network Resource Center, with ten latest computer systems and one multi-function printer, has been set up in the College Library.
- Two more multimedia Projectors to be used for Classroom Teaching

To facilitate smooth functioning of various units two additional printers have been purchased

Additional laboratory equipments as per the requirement of the revised curriculum have been purchased

About 500 new books have been purchased and added to the central library

#### F. Faculty Development Programmes

The following have been the activities conducted during the year 2011-12:

1. Seminar on **‘Role of a Teacher to influence High Emotional Intelligence in Students’** was conducted by Dr. Nivedita Ganguly who works as a councilor in DAV Public School, Delhi and specializes in conducting modules on Self Development.
2. Seminar cum demonstration on **‘Application of Modern Technology in Teaching Learning Process’** by executives from M/s Growel info tech who presented the various technologies that could be used to aid teaching learning process and make it more effective with the use of the Interactive Board, Visualiser and the various types

of Projectors. A demonstration on the use of these instruments was provided for a better understanding and effectiveness of the application of these devices.

#### **G. Quality Assurance**

The IQAC of the college is responsible for recording and monitoring of Quality measures of the College. Internal audits of the units of the College was conducted and the findings of the audit were reviewed at the IQAC meeting

#### **H. In addition to the activities planned at the institutional level, academic activities were conducted by the various Departments of the College. The details of which are as in Section-B**

##### **Physics Department**

- Expert Lectures
- Essay Writing Competition – July 20, 2011
- State Level Oral and Poster Presentation Competition - September 17, 2012
- School Level Science Quiz Competition – December 20, 2011

##### **Chemistry Department**

- Industrial Visits / Tour – August 2011 & January 2012
- State Level Poster Presentation Competition- January 28, 2012
- Inter-class Oral Presentation Competition – July 22, 2011
- Inter-school Article Writing Competition cum Exhibition- September 15, 2011
- Workshop on Structural Chemistry – January 27, 2011
- Presentation -Student Projects - March 07 to 10, 2012

##### **Computer Application Department**

- Seminars & Workshop - June & July 2011
- Expert Lectures – December 2011
- Network Exhibition – July 16, 2011
- IT Competency Test – September 10, 2011

##### **Mathematics Department**

- Preparatory Test for Competitive Examinations – September 15, 2011
- Inter-class Quiz Competition – August 29, 2011

##### **Bioinformatics Department**

- Online Video Lectures – August 12 & 14, 2011
- Review Article Presentation – December 17 & 21, 2011
- Research Article Presentation – September 14, 2011
- Educational Tour

##### **Biotechnology Department**

- Class Seminars
- Inter-class Quiz Competition – July 29, 2011
- Study Tour – February 10, 2012

##### **Microbiology Department**

- Class Seminars
- Visit to Food Industries – October 01, 2011

- Inter-class Poster Presentation Competition – December 22, 2011

**Biology Department**

- Movie Show on Animal Behaviour – September 19, 2011
- Bird watching Programme – September 24, 2011
- Guest lecture – December 08, 2011
- Visit to Municipal Zoo - March 10, 2012
- Visit to a Poultry Farm – March 10, 2012

**Commerce Department (Commerce Association)**

- Management Games -
- Movie-review – September 24, 2011
- Industrial visit – January 21, 2012
- Seminars / Guest Lecture – January 17, 2012

**Business Administration Department (Trendsetters)**

- Management Quiz – July 21, 2011
- Case Analysis – September 08, 2011
- Ad-Hungama – January 12, 2012
- Group Discussion – January 24, 2012
- Industrial Visits

**English Department (Creative Zone)**

- Guest Lectures
- Movie-review – September 17, 2011
- Poetry Recitation Competition- December 15, 2011
- Spelling-Bee Contest – January 02, 2012

**Science Club**

- Expert Lecture- July 27, 2011
- Essay Writing Competition- August 10, 2011
- Scitoon Competition – September 14, 2011
- Poster Presentation Competition – December 22, 2011
- Publication of CHRIST SCIWAM – Science Wall Magazine
- Celebration of National Science Day – February 28, 2012

Extra-curricular activities and activities related to community service are conducted by the various clubs of the College: **Cultural Club, Nature Club, Rotaract Club, NCC and Sports Club of the College.**  
(Section B)

**PART – B**

## 1. Activities reflecting the Goals and Objectives of the Institution

The vision and mission statement of the College are as follows

### Vision

To excel in the creation of an egalitarian society characterized by love, unity, justice and brotherhood.

### Mission

To provide innovative and quality learning to the young generation through quality management and to equip them to become productive, proactive human resource and responsible citizens of the Nation.

To sustain the spirit of excellence at the undergraduate level, initiate the postgraduate studies in the same spirit and excel in it in the next five years

### Core Values

Christ College stands on the pillars of the values

<b>C</b>	<b>Character Integrity</b>
<b>H</b>	<b>Humanness</b>
<b>R</b>	<b>Realization of the Self</b>
<b>I</b>	<b>Innovation</b>
<b>S</b>	<b>Service</b>
<b>T</b>	<b>Transformation</b>

Through the various activities organized and conducted, the College ensures imparting these values to the entire Christ College Fraternity.

### Quality Policy

‘To provide innovative and quality systems of learning to the young generation through quality management and to equip them to become productive, proactive human resources and responsible citizens of the Nation.’

To realise the above policies, the College shall:

1. Admit students and appoint staff strictly on merit.
2. Inculcate leadership and teamwork qualities in students through their active participation in activities of clubs and associations.
3. Train students academically to enable them to perform well in the College and University examinations.
4. Complete the syllabus and its revision in the scheduled time.
5. Provide secular, disciplined, harmonious and studious atmosphere to the students, so that they can grow into responsible citizens of our Nation.
6. Provide students opportunities of career guidance and placements through career and placement cell.
7. Enhance collective responsibility by staff and students’ active participation in various committees and associations of the College.
8. Collect feedback from the students and the staff once in a year through the Feedback committee.
9. Expose students to the frontiers of the fast developing world by conducting state / national level seminars, conferences and lectures by invited experts.

## Quality Objectives

The College shall

1. Achieve 100% success ratio in the annual examinations conducted by the University
2. Ensure 100% student satisfaction in:
  - Teaching - learning process
  - Infrastructure and other facilities on campus
  - Syllabus implementation
  - Studios and disciplined atmosphere
  - Health care facilities
  - Library facilities
  - Training provided to students
3. Realize 100% placement for the students, who wish to get employed after the graduation through Career and Placement Cell
4. Address grievances of student and staff through the Grievance Redressal Cell
5. Ensure the publication of College Handbook and Prospectus through the Publication Committee
6. Ensure 100% execution of the Faculty Development programmes planned by the Faculty Development Committee.

## Functioning Guidelines

### Academic Activities

#### Planning

The College follows a planned academic schedule for the effective implementation of the syllabus. The student-centric teaching-learning methodology practiced by the College ensures enduring learning experiences.

- Heads of the Departments (HoD) are entrusted with the responsibility of preparing the workload and subject distribution at least a month prior to the commencement of the academic year.
- The College Handbook provides the academic calendar of the College and is made available to the students at the beginning of the academic year.
- The College ensures a planned academic schedule. All the faculty members meticulously chalk out a teaching plan as per the University requirements, academic schedule and the guidelines and formats implemented by the College.
- The HoD verifies the academic plan, makes corrections if necessary, and submits it to the Principal for approval. The approved teaching plan is strictly adhered to. However, in case of unforeseen and unavoidable circumstances, an alteration is permitted.
- The College conducts class / unit tests and preliminary examinations. The schedule for the tests is communicated to the students by the concerned faculty and the schedule for the examinations is communicated through the College Handbook.
- Question papers are set as per the pattern (blueprint) of Saurashtra University. The evaluation pattern (blueprint) is explained to the students by the faculty as per the subject requirement at the beginning of the academic year.
- A question bank, prepared and maintained by each department, is made available to the students.

- Activities aimed at holistic development of the students are planned under the banner of departments, clubs and associations
- At the beginning of the academic year, HoDs, in consultation with the faculty members, chalk out a tentative schedule for the departmental activities to be undertaken during the academic year and seek the approval of the Principal.
- To enhance the competency level of the faculty, various development programmes are planned.

### **Execution**

- To empower the students to face the forth-coming challenges in life, each department complements the regular academic plan with departmental activities like seminars, workshops, role plays, case study, competitions, study tours and industrial visits.
- For the meaningful accomplishment of the planned departmental activities, they are executed under the supervision of the respective Heads of Departments and the Principal of the College.
- The active involvement of the students is monitored by regular attendance and participation in departmental activities.
- Class tests and preliminary examinations are conducted as per the pre-decided schedule.
- Remedial measures are taken where necessary.
- Faculty Development Committee of the College coordinates the Faculty Development programmes planned by the College

### **Monitoring**

- The Principal, Finance Administrator and /or senior faculty members are present at all the activities conducted on campus.
- HoDs undertake 'Syllabus Implementation Inspection' quarterly to ensure completion of the syllabus as per the plan and make provisions for overcoming any delay.
- Class tests and preliminary examinations regularly evaluate the performance of the students.
- The Feedback Committee of the College obtains and analyzes the students' feedback. The analyzed report is submitted to the Principal and where necessary remedial measures are taken to overcome the shortcomings.
- For the unbiased evaluation of all the activities of the College, at least one internal audit is carried out in a term and one external audit is carried out in a year. The reports of all the auditors and the departmental inputs are referred to IQAC for quality enhancement and quality sustenance

### **Supporting Activities**

To achieve the goals and objectives of the College, all activities are planned and conducted under the banner of Departments, Clubs, Associations, Cells and Committees.

- Academic activities are coordinated by the various Heads of Department in consultation with the faculty members.
- To bring about the all-round development of the students and to ensure a lively campus atmosphere, various clubs and associations (such as Sports Club, Commerce Association, Trendsetters' Club, Creative Zone, Science Club, Nature Club, Cultural Club, Rotaract Club, Aarohan -Women's Cell, etc.), each having a definite aim and a specific action plan are

constituted under the leadership of staff coordinators. The students play a significant role in planning and executing the activities of the Clubs and Associations.

- National Cadet Corps wing of the College ensures that the students are provided with the opportunities to develop a national character with discipline and patriotism.
- The Career and Placement Cell is active in the field of recruitment, campus interviews, guidance and counselling and personality development programmes.
- The administrative aspects are executed through the various committee: Admission, Examination, Library, Publication, Feedback, Faculty Development, Magazine Committee, etc
- The various Maintenance Cells of the College ensure a smooth functioning of all electrical and electronic equipments on campus
- The involvement of the stakeholders in the activities of the College is ensured by the Parent Teacher Association and Alumni Association
- To facilitate the smooth functioning of the College and to provide opportunities of academic advancement, the staff and students have an access to the internet through Wi-Fi as well as through various terminals provided at the departments and in the library.

### **Departmental Activities**

#### **Commerce Association (Department of Commerce)**

The Commerce Association has been formed to channelise the diverse interest and commendable efficiency of the students of the Commerce stream and aims at their strategic development. The activities planned and conducted are targeted to groom their personality and to equip them with professional skills, which would make them more efficient in the competitive market. Apart from the curriculum related activities the Commerce Association also conducts intellectual programmes and activities to promote the creative competency of the students.

**Activities conducted during the year are as follows:**

#### **1. Inauguration cum Fresher's party**

This activity was planned with an inspirational motive to begin the working of the club, welcoming the fresher's, briefing them with the vision of the club and declaring the team of coordinators of the club for the year 2011-12. The show was hosted by Ishita Shah and Komal Parekh from TY and SY respectively. The function began with a prayer song, followed by a variety of games for staff and students, presentation of the club's past activities and a dance by students of SYBcom. To acknowledge the efforts of students and staff a vote of thanks was delivered by Ms Ishita shah. This is how Commerce Association had a grand beginning.

#### **2. Management Games**

The next event that was conducted was Management Games. The objective behind this activity was to enhance the practical aspects of management and test their knowledge. Different games organized for students were 'Word Enactment', 'Punch Line Crossword', and 'Glue the Clue'. The show was hosted by Ms Neha Murthy and Ms Ishita Shah.

#### **3. Movie-review**

Movie Review was organized and conducted with Trend Setters Club. It is an event which helps the students to understand movies from different angles and perspectives.

It was conducted on 24<sup>th</sup> of September, 2011 in the conference hall. The hosts for the event were Ms. Neha Murthy and Ms. Priti Raval. There in all 6 teams in the event who were competing with each other.

#### **4. Guest Lecture**

A guest lecture was organized by the club on the topic “CV presentation and facing the Interview.” The event was open for all the students of commerce. The resource person was Mr. Ajesh Kamaniya. The event was conducted in Conference Hall (112) on 17<sup>th</sup> January, 2012 from 12:00 pm onwards.

#### **5. Industrial Visit**

Industrial visit is an innovative activity started by the commerce association to acquaint students with production and operation related concepts. The students are taken to an industry, where they visit the plant – production area which is immediately followed by an interaction session with the executives. This year, students were been taken to “INOX WINDS LTD” situated near Ahmedabad. 45 students joined the visit with following faculty members: Dr. Manoj Shah & Mr. Devang Mehta. Visit was conducted on 21<sup>st</sup> January, 2012 for a day.

#### **6. Felicitation Ceremony.**

Lastly, the association organized a closing ceremony to felicitate students for their various achievements round the year. The function was held on 23<sup>rd</sup> February, 2012 in Open Auditorium from 5:30 pm to 9:00 pm. The hosts for the event were Ms. Priti Raval & Ms. Komal Parekh. Two students, namely, Ms. Neha Murthy & Ms. Ishita Shah, from TYBCOM gave speech, sharing experiences of their journey in Christ College and with commerce association. The event had dance, games and felicitation followed by a dinner.

### **Trendsetters' Club (Department of Business Administration)**

The club was specially formed for the students of Business Administration faculty.

#### **Staff Coordinators**

Coordinator : Mr. Kalpesh Vankani

Animator : Mr. Devang Mehta

Instead of having centralized committees, the entire club was divided into different 'Houses'. Each House comprised of mixed band of FY, SY, TY students. Each House was given a single event to organize and manage and was ranked according to their performance and management. This change in the functioning was to enhance the morale and boost cooperation along with an intention to generate competitive spirit. The criteria considered for evaluating performance for each house were: Attendance, Participation, Student feedback, faculty feedback & coordinating staff members' analysis

The brief accounts of the activities conducted by the club were:

#### **Inaugural Function and Management Quiz:**

On July 21, 2011, the inaugural function of Trendsetters' Club for academic year 2011-12 was hosted by the Ms. Priyanka Pathak (TY) and Ms. Zahabiya Chhatariya (SY).

The program was started began with a devotional prayer by Ms. Shruti Parekh (SY), which was followed by lighting of the lamp by Principal Father Joseph and staff members of Commerce and Business Administration. The function included an orientation session by Mr. Aagam Parekh and Mr.

Chintan Raiyani(SY). Activities conducted by the club and its importance were explained to the fresher by Ms. Nikita Juthani (SY).

The Management Quiz event hosted by the Ms. Pooja Chandnani(TY).

'In Quizzitors' contest was held in two rounds: Preliminary Round and Final Round. From among the twenty-five students who participated in the preliminary round held on July 14, 2011, 2011, eighteen were selected for final round held on July 21, 2011. Six teams comprising of three students each participated in the final round.

The winners of Management Quiz were:

Mr. Abdeali (TY)

Mr. Ravi Ranpara (SY)

Mr. Jamir Ghonia(FY)

#### **Case Analysis:**

An interclass case analysis competition were held on September 08, 2011. The event was hosted by Mr. Aagam Parekh (SY) and Ms. Ishani Shukla (FY). A case was allotted to each class; four teams of four members each participated in the event. The time allotted to each team for the presentation was 10 minutes. The judges for the event were Mr. Abhijitsinh Vala and Dr. Swati Doshi. The criteria for judgment were content, identification of problem, presentation of case, evaluation of case, teamwork and coordination. The winners were:

Mr. Zainil Popatiya (F.Y.)

Mr. Chintan Raiyani (S.Y.)

Mr. Sanjay Modha (F.Y.)

Mr. Prashant Rupareliya (S.Y.)

Best Speaker : Mr. Vivek Somaiya (F.Y.)

#### **Movie Review**

This event was conducted on September 22, 2011, to create management perception for every task. Here the students were given 10 minutes to present their view & 2 minutes for judges to question. The judges for the event were Mr. Dhaval Motvani (Assistant Prof. Christ Institute of Management) & Dr. Arvindakshan (Head, Physics Department). The criteria for judgment were content, presentation, teamwork, language & communication, creativity & innovation, relevance, overall impact. Four teams comprising of four members each participated in the event. The winners were:  
First Position (SYBBA)

Mr. Hemang Raithathha

Mr. Chintan Raiyani

Mr. Paresch Nagvadiya

Mr. Ravi Ranpara

#### **Movie Review Competition with Commerce Association:**

This event was conducted on September 23, 2011 in co-ordination with Commerce Association. The judges for the event were Mr. B. M. Purohit (Lecturer of Mgt., Lt. M. J. Kundaliya Commerce and B.B.A. College, Rajkot) The criteria for judgment were content, presentation, teamwork, language & communication, creativity & innovation, relevance, overall impact. Six teams consisting of four members each participated in the event; all the winning teams were from Commerce Association.

#### **Ad-Hungama**

An interclass advertisement competition was organized on January 12, 2012. Students had to prepare different kinds of advertisement on different product in different category. Here the

students were given 2 minutes to present their advertisement on six categories [Logo and Punch line, Radio Jingle, Audio-Visual, Ad. v/s Ad., Ad. making, Ad. Quiz]. Forty students participated in the event. The judges for the event were Mr. Abhijitsinh Wala and Dr. Vikas Arora (Head, Atmiya Institute of Mgt., Rajkot). The criteria for judgment were justification of product, Innovativeness, Effectiveness and Overall Impact.

**Workshop cum Training Programme on Group Discussion:**

On January 21, 2012, workshop cum training program on Group Discussion was organized. The program hosted by Ms. Nikita Talreja (S.Y.) was conducted in two sessions. First session was conducted by Mr. Robin Thomas (Assistant Prof., Dept. of English), wherein he explained the theoretical as well as practical aspect and uses of Group Discussion. Second session was conducted by Mr. Paresh Joshi, (Assistant Prof., Dept. of English) and he explained the practical approach of group discussion in corporate world. In this session he called the group of student on stage and gave them the topic 'Corruption' for discussion. After completion of group discussion on the topic he gave valuable suggestion to the student.

Both the sessions were very useful for the management students.

**Group Discussion**

This event was conducted on January 24, 2012 to create management perception for every task. The students were given 10 minutes to discuss their views & 2 minutes for conclusion. The judges for the event were Mr. Paresh Joshi (Assistant Prof., English Department) and Dr. Yvonne Fernandes (Head, Department of Chemistry). The criteria for judgment were subject matter, initiative and cooperation, language, creativity & conclusion. Three teams were consisting of nine members each participated in the event. From each team three members were selected for the final round. For the final round the topic was given by the judges. The final round was held on January 27, 2012. The winners were:

First Position: Ms. Nikita Juthani (SY)

Second Position: Ms. Vishwa Sooru (FY)

Third Position: Mr. Chintan Raiyani(SY)

Best Speaker: Ms. Nikita Juthani (SY)

The event was hosted by Mr. Ravi Ranpara (SY) and Ms. Rhea Thomas (FY).

**Felicitations Function:**

A felicitations function was organized on February 10, 2012.

The event was hosted by Mr. Aagam Parekh, Ms. Nikita Talreja, Ms. Nikita Juthani (S.Y.), Mr. Malhar Govani, Ms. Rhea Thomas and Ms. Irene (F.Y.).

The event began with a prayer song by Mr. Malhar Govani (F.Y.) followed by the inspirational speech of Principal Fr. Joseph and Dr. Swati Doshi (HOD).

Soon after that the winners of different events and best class seminar, best class presentation were felicitated with certificates by Principal Fr. Joseph V.A., Dr. Swati Doshi, Ms. Darshita Ganatra, Ms. Daphne Fernandes and Prof. N.N. Sheth.

The programme was a mix of cultural events and sharing of experiences by the out-going students and the first year students

The cultural event included a classical dance performance by Ms. Heena, FYBBA, song performance from Mr. Dhwanit Munshi, Mr. Ravi Katariya and Mr. Pratik Karia, games for all audience

Mr. Dhwanit Munshi and Ms. Pooja Chandnani of TYBBA shared their experience and at the same time highlighted the importance of the Trendsetters Club while Mr. Shreyash Padiya and Ms. Neha Gomes of FYBBA shared their experience on the campus.

On the basis of the performance during the year, Mr. Kalpesh Vankani, the staff coordinator declared the following awards:

Best Anchor of the Year: Ms. Rhea Thomas.

Best House of the Year: House No. 4

Best Class of the Year: SYBBA

Trendsetter of the Year 2011-12 : Ms. Pooja Chandnani

### **Creative Zone (English Department)**

The creative zone, a club specially initiated for the students of the arts faculty, functions with the following objectives

1. To inspire students to think and act creatively
2. To enhance literary sensibility.
3. To whet and spruce up expressive abilities.
4. To build a comprehensive personality.
5. To promote co-curricular interactions among the staff and the students.

#### **Staff Coordinators:**

- Mr. Maulik Vyas, Asst. Professor, Dept. of English
- Ms Tisha Roy, Asst. Professor, Dept. of English

#### **Office Bearers:**

- Mr. Dilip Palai: President
- Ms. Priyanka Mukherjee: Vice President
- Sr. Teena: Treasurer
- Core committee: Nirav Patel, Sony Zala, Fiona Pereira, Dipti Nadar, Kavita Dodiya, Sonal Lathiya, Dhara Rathod, Neha Pande

#### **Activities conducted during the academic year 2011-12**

The Department of English, Christ College, Rajkot, organized a **Welcome Party** for its First Year BA students on July 09, 2011. The programme was fully conducted by the students of Second and Third year under the guidance of their teachers. At the outset in the formal session Rev. Fr. Joseph Vadekedeth cmi, Principal, graced the occasion with his welcome note. And Rev. Fr. Benny, Finance Administrator, in his absentia sent his good wishes to the new comers. This apart, Sr. Alphonsa, Head, Dept. of English, welcomed the newly joined students and formally opened the forum of Creative Zone for the year of 2011-2012. Select students were nominated for Creative Zone and they were assigned different administrative and cultural activities to be carried out for the mentioned academic year.

It was on September 17, 2012, a **Movie Review presentation** was arranged for all the BA students as a pertinent extension of their course work on creative writing. This program was organized at an elementary level with amateurish knowhow of the particulars this task involves. The students (forming three teams) were asked to pay heed to the film-making - sound, light, editing; script; theme(s) and their interpretations, and prima facie judgement on an overall impression. The films mainly chosen for the activity were *Father and Daughter (2D)*, *Black Swam*, *Source Code*, and *Shutter Island*. The Second Year B.A. students marked the day. Sony Zala stood the first, followed by Priyanka Mukherjee

The **Poetry Recitation Competition** was held on December 15, 2011 by the Dept. of English for the students of the whole college. The event witnessed participations from other faculty students as well apart from the Arts. In all six students took part in the event. The students mainly had chosen the Modernist poems (post-1920s) and in their performance focused on tone, clear pronunciation, rise and fall of accent with proper body language. At the end, the winners, Sony Zala and Priyanka Mukherjee successively, were afforded with their prizes.

On January 02, 2012 **Spelling Bee Contest** was held which aimed at the language compatibility of the students. The contest was divided into three rounds: one, Spell the Spelling; two, Phonetic Transcription of words; and three, Confusing Words. There were five teams having four members each. In the contest the first two winners were namely Priyanka Mukherjee and Sr. Ancy.

The **Farewell function** for the outgoing Third Year B.A. students and the **Closing Ceremony of Creative Zone** was held on January 21, 2012. This formal event of Farewell was followed by an informal after the formal addresses. Students of First and Second year BA extended their warm wishes to the outgoing batch of Third year. Teachers of the Department wished a good academic career to the students. Mr. Maulik Vyas, Coordinator, Creative Zone, and Ms. Tisha Roy, Co-coordinator, Creative Zone, greeted the students. Mr. Vyas thereon presented the Annual Report of Creative Zone to the gathering and formally announced the forum of Creative Zone for 2011-2012 closed.

### Physics Department

#### Activities conducted during the year are as follows

- **Interaction with Alumni:** Mitul Abhangi, Scientific Assistant B, Institute for Plasma Research, Gandhinagar. Interaction with Third Year B.Sc. Physics students – July16, 2011 at 9:30 am.
- An **Expert Lecture** on ‘Nanotechnology’ was given by Prof. D.G. Kuberkar of Department of Physics, Saurashtra University, Rajkot. All students of A-group attended the lecture – July 29, 2011
- Students participated in the **Scientific Imagination Competition: Essay** on ‘IF I WERE TO SEE LUNAR ECLIPSE FROM THE MOON ITSELF’, conducted jointly by IAPT RC-7 and Gujarat Science City. Participating students: Neekita Thakur - SYBSc and Nayan Dholakiya – FYBSc. August 31, 2011
- **State Level Oral and Poster Presentation Competition** was conducted on September 06, 2011
- A **movie show on ‘Astrophysics’** was conducted for Third Year B.Sc. Physics students. The birth and death of stars, sun and its structure, sunspots, etc. were explained on the basis of various videos - December 2011.
- A **picnic** was organized for the First year B.Sc. students to Somnath. 36 students of A and B group were escorted by Dr. Aravindan, Mr. Shares John and Mr. Apurv Pandya. January 7, 2012.
- Science students of the college appeared in the **State Level Minaxi Lalit Science Award Test** held annually by the Gujarat Science Academy. The exam was held at the O.V.Sheth Regional Community Science Center, Rajkot on February 12, 2012. The results are awaited.
- “Vigyan Prasar”, an autonomous organization under the Department of Science & Technology, Govt. of India, organized a **National level essay and slogan writing competition** to celebrate the National Science Day 2012. Ms. Pooja Shir of SYBSc participated in the

essay writing competition titled 'Nuclear energy, a clean, reliable and safe energy option' The results are awaited. February 20, 2012.

- **Class Seminars** were conducted for Third Year B.Sc. Physics class. The students were assigned different topics from the syllabus. July-August, 2011.
- **Inter-School Science Quiz Competition:** An Inter-School Science Quiz Competition was conducted on December 20, 2011. Seven teams comprising of two students each participated in the competition. Dr. Yvonne Fernandes, Head, Department of Chemistry & Dr. Sushmita Ganguly, Assistant Prof, Department of Chemistry were the Quiz Masters  
Winners:           First: Vidyaniketan School  
                          Second: J.P.Modi School  
                          Third: P.V.Modi School.

### Chemistry Department

To bring about an all-round development of the students, the classroom teaching is complemented by various activities like Class Seminars, Presentation Competitions, Industrial visits, visit to Research Centres, Workshops, etc...

**Some of the activities conducted by the Department are:**

#### 1. In-house Class Seminars

Classroom seminars are conducted on a regular basis. These in-house seminars help the students gain more confidence and overcome the initial fears of facing an audience. Class seminars based on topic related to the syllabus have been conducted for the second and third year BSc students. These seminars are evaluated by the faculty members and the grades are given on the basis of their performance.

#### 2. Intra-departmental Oral Presentation Competition

An Oral Presentation Competition was organized on July 22, 2011 on the theme: 'Impact of Chemistry on Environment'. Fifteen students participated in the competition. Winners of the Competition were

First	Lenity Thomas
Second	Ujjawala Jhala
Third	Shir Pooja

Dr. Ramesh Kothari, Head, Department of Microbiology, Christ College and Ms. Dhara Vasavada, Lecturer, Christ Polytechnic Institute, Rajkot were the Judges for the competition.

#### 3. Inter-school Article Writing Competition

An inter-school article writing competition was organized by Chemistry Department, Christ College, Rajkot on September 15, 2011. The winners were:

- First : Shivani Thakker - Nirmala Convent School, Rajkot  
Second : Aditi Kothari - St. Paul's School, Rajkot  
          Aina Solanki - Smt S.K. Pathak School Rajkot  
Third : Vishwa Punater - S.N. Kansagara School, Rajkot

#### 4. State Level Poster Presentation Competition

Chemistry Department, Christ College organized State Level Poster Presentation Competition on 'Recent Trends in Chemistry and Chemical Technology' on January 28, 2012. Seventy students from all over Gujarat participated in the competition.

The judges for the event were Dr. V.N. Patolia, Head & Associate Professor Chemistry, Kamani Science College. Amreli, Dr. D.N. Purohit, Associate Professor Chemistry, Virani Science College, Rajkot and Dr. Gaurav Dave, Asst. Professor, Department of Biochemistry, Saurashtra University, Rajkot. The winners were:

- First : Chemoinformatics -Shailesh Bhalara & Anjani D, Christ College, Rajkot  
Second : Rotaxane- Lina Makwana & Faldu Namita, Mahila College, Rajkot  
Quantum Dots- Karishma Khemani, Tolani College, Adipur  
Third : Palladium Catalyzed Cross-coupling Reaction, Pratik Prajapati, St. Xavier's College, Ahmedabad  
Need of Soil Analysis- Divyata Lava, Niddhi Modi & Hetal Jadeja, D.K.V. College, Jamnagar.

#### 5. Industrial Visits

To provide a first hand information on the requirements of the workplace, the department organized the following industrial visits:

- ✓ Aquaneer, Siroya Engineering, Maudi Plot : August , 2011
- ✓ Nirma Chemical Complex : January , 2012

#### 6. Picnic

Forty second year BSc and third year BSc students accompanied by faculty members had been for a picnic to Junagadh.

#### 7. Workshop –Structural Chemistry

For the first time the Chemistry Department of the College organized a Workshop on Structural Chemistry on January 27 & 28, 2012 for TYBSc Chemistry students of Christ College. The main aim in organizing this workshop was to acquaint students with the use of software related to Chemistry and thus improve on their presentations. The workshop included use of software Chem Ultra for drawing chemical structures and the applications of the software. The students were given hands-on training in the use of the software. The workshop also included interpretation of spectroscopic data (UV, IR and PMR spectroscopy) and deducing molecular structures.

The resource persons for the Workshop on Structural Chemistry were Dr. Yvonne Fernandes, Head, Chemistry Department and Dr. Jignesh Pandya, Assistant Professor, Chemistry Department, Christ College, Rajkot.

#### 8. Project Presentation

As a preparation of the project viva, a project presentation was organized for the BSc Semester VI Chemistry students. Thirty BSc Semester VI Chemistry students presented their projects before the faculty members Dr. Yvonne Fernandes & Dr. Jignesh Pandya from March 07-10, 2012

#### 9. Parent Teacher Interaction

To keep the parents well informed on the all round progress of their wards, throughout the year a regular informal telephonic contact is maintained with the parents of the TYBSc Chemistry students.

In October, February & March the parents of First and Second Year BSc students who have been irregular were informed to meet the head of Department and faculty in-charge.

### **Mathematics Department**

#### **Activities conducted**

Inter-departmental activity:

1. **Integral Bee Contest-2011:** The department of Mathematics conducted 'Integral Bee Contest-2011' for the BSc students on August 29, 2011. The winners were: Trivedi Maulik, Moradiya Bhavik & M.J.Rahul (FYBSc)
2. **Preparatory test for Competitive Examination:** The department of Mathematics conducted 'Integral Bee Contest-2011' for the students of Christ College for giving the awareness about the examination pattern of different competitive examinations on September 15, 2011. Ninety-seven students from the college participated in the competition. The winners were  
First : Dhadhal Arvind, TY BSc- Mathematics  
Second: Neha Gomes D'mello, FY BBA  
Third : Trivedi Parth, SY BCom

### **Computer Applications Department**

#### **The following activities were organized**

##### **1. Seminar on Animation, VFX & Process**

A seminar was conducted by experts Mr. Tushar Bosmia & Mr. Rajen Kotecha from LEJON FILM INSTITUTE, Rajkot on Animation, VFX & Process on June 29, 2011. They interacted with the students on Animation, VFX & Process and how to develop movies using different software like 3d-Max, Maya etc.

##### **2. Network Exhibition**

An Exhibition was held on Advanced Networking by the students of TYBCA on 16 July, 2011. The Exhibition was based on describing the Network Topologies and Types of Network in the field of Computers

##### **3. Expert Lecture on SAD**

An Expert Lecture by the expert Mr. Vishal Varia on "System Analysis and Design" was organized on 22nd July, 2011. The expert lecture was based on describing the System Analysis and Design aspects for working on projects in any software languages.

##### **4. Freshers' Party**

A Freshers' function was conducted on July 24, 2011. The function started with an inaugural speech by Mr.Parag Rughani, Head Computer Department. There were different games organized by the students of SYBCA and TYBCA. Ms. Femy and Mr. Nevil, student of TYBCA and SYBCA hosted the function.

##### **5. Seminar on Ethical Hacking & Cracking**

Seminar wa on Ethical Hacking was held on July 26, 2011. The resource person for the seminar was Mr. Vidit Baxi from Tech Defence. The Seminar was based on demonstrating how to hack the computers as well as on the Internet.

##### **6. Open IT Quiz**

An Open IT Quiz was organized for the students of BCA and B.Sc. Computer Applications on August 06, 2011. The questions asked for the Open IT Quiz were from the field of Information Technology. The students of BCA, B.Sc. and B.Sc. Bio Informatics attended the quiz session.

##### **7. IT Competency Test by Infinity**

Infinity – IT Company which has MOU with the Computer department conducted one IT competency test for BCA Students. In first session, representatives from Infinity gave basic details about interview patterns and selection process in IT field. In the second part an on-line exam was conducted to check the competency level of BCA students.

**8. Seminar on M-Governance and E-Governance**

A seminar on “M-Governance and E- Governance was conducted on September 10, 2011. The resource person was Mr. Mahesh Gohel, EDP Manager, RMC, Rajkot. The resource person explained how to access the RMC website and how the website was designed to manage the grievance and complaints as well as the different problems in the city. The students as well as the staff learned how to operate on the RMC website.

**9. Seminar on Hacking by Appln**

A seminar on Hacking by Appln was held on December 21, 2011. The resource person for the seminar was Mr. Rakeshkumar Dwivedi from Appln. The Seminar was based on demonstrating how to hack mobiles as well as on the Internet.

**10. Seminar on Animation**

A seminar on Computer Animation by Mr. Jenish and Mr.Vipul from FrameBox was held on 15 February 15, 2012. The seminar was based on Unfolding Animation in the field of Computer. The speakers showed a multitude of cartoon movie trailer and also advertisement made from computer animations and explained to the students how they can prove their creativity by working on computer animation projects which were being developed in different computer animation industries.

**11. Picnic to Narara Island**

A picnic was arranged for the students of Bachelor of Computer of Applications on March 03, 2012. The place of the picnic was Narara Island and Aradhanadham which is near Jamnagar. The students had a very nice time walking on the Narara Island and watching marine life. Also, students visited Reliance Mall at Jamnagar in the evening.

**12. Seminar on Career Guidance**

A seminar on career guidance by Mr. Vikas Patel from Mentor was organized on March 14, 2012. The seminar was based on providing guidance to the students in preparation for competitive tests and in the building their career.

**13. Farewell**

A farewell function was conducted on March 23, 2012. Different games were organized by the students of FYBCA and SYBCA. Ms. Sheba, student of SYBCA hosted the function. FYBCA and SYBCA students arranged snacks for all the students and staff.

**14. TechArena 2012 – 29/01/2012**

Department of Computer Application, Christ College, Rajkot organized TechArena , a national level event, on January 29, 2012. “TechArena2012-Measuring Technical Excellence” just as the tag line suggests, is to measure the technical knowledge of students and explore their excellence at national level. The keynote speaker was Dr. Bhushan Trivedi, Director of MCA Programme , GLS College, Ahmedabad. There were five different competitions: Programming Competition, Hardware & Software Competition, Quiz, Paper Presentation, and Poster Presentation. From 25 colleges, around 300 students participated across the country. The convener of the event was Mr. Shailendrasinh Jadeja, Assistant Professor.

### Biotechnology Department

#### Activities conducted

- **Industry/Institute Network**  
Third year and second year student visited Balaji Industry
- **Study Tour**  
Student of second year had been for a visit to Raiya Sewage Treatment Plant on February 10, 2012.
- **Seminars**  
Throughout the year regular class seminars were conducted for BSc Biotechnology students. The department also conducted a seminar to brief the students on the various career options available to the students after completing their course in Biotechnology.
- **Interdepartmental Quiz Competition**  
Department of Biotechnology conducted a quiz competition for all the students of the science faculty
- **Interaction with Alumni**  
Department arranged interaction of alumni with the students for better practical guidance of the field.
- **Parent teacher interaction**  
An interaction of the parents of the second and third year students was arranged to discuss issues like irregularity in attending classes as well as to brief the parents on the progress of their wards.

### Bioinformatics Department

#### Departmental Activities

No	Activity	Conducted on
1	Project Guidance	5/07/11
2	Online Video Lecture	12 & 14/08/11
3	Research Article Presentation	14/09/11
4	Review Article Presentation	17 & 21/12/11
5	Alumni Interaction	18/01/12

### Biology Department

#### Activities conducted

- **Industrial Visit /EducationalTours**
  1. **Visit to Khirasra Viddi, Rajkot**  
On July 12, 2011, SYBSc B Group students visited Khirasra Viddi, a small grass land type of ecosystem located 15 km away from Rajkot city in Khirasra taluka, is known for *Antelopus* and other such kind of animals as well as birds. Mr Jatin Raval & Mr Vishal Muliya accompanied the students.

## 2. Visit to Science City, Gandhinagar & Indroda Park, Gandhinagar

Indroda Park is man made forest cum study center for wild life and controlled by GEER foundation, Gandhinagar. It is containing large collection of plants and Animals. Models and fossils of animals from Jurassic age is well displayed in Dinosaur Park. Visit to Indroda Park is helping student in learning biodiversity. Science City, Gandhinagar is having 3D theater for scientific movies, Astronomical hall, various science hall and shop for scientific books and scientific toys. On March 03, 2011, SYBSc B Group students visited Science city and Indropark. They were accompanied by Mr. Jatin Rawal and Mr Vishal Muliya

## 3. Visit to Rajkot Municipal Zoo (Praduman Park Zoo) at Lalpari lake, Rajkot and Poultry Farm, Rajkot

Rajkot Municipal Zoo is having huge collection of animals and plants. More over it is at a prime location at bank of Lalpari lake so it is having huge biodiversity. On March 10, 2012 students of FYBSc accompanied by Jatin Raval visited the Zoo and Poultry farm of Rajkot. Expert lecture was also arranged and study of various aspects of poultry farm was studied.

### ▪ Guest lecture

Guest lecture by Atman Vaidya was arranged on December 08, 2011 for SYBSc students. He delivered lecture on Poisonous and Non-poisonous snakes.

### ▪ Tree plantation

was arranged on August 26, 2011 at Shastri Maidan, Rajkot along with Nature Club. Jatin Raval & Vishal Muliya accompanied to students of biology department.

### ▪ Bird watching

: Bird watching for students of FYBSc was organized on September 24, 2011 at the nearby vicinity of campus. Students were accompanied by Mr. Jatin Raval.

### ▪ Educational Movie Watching

“Winged Migration” movie on bird migration interactive movie on bird watching (19/09/11) and movie of courtship and parental care was shown to students.

### ▪ Parents-Teacher Interaction

No.	Name	Class	Date	Purpose
1	Nayan Nakum	FYBSc	4/3/2011	Feedback about progress
2	Dharmesh Makwana	FYBSc	25/10/10	Late submission of journal
3	Krupali Dave	SYBSc	18/02/11	Progress of Student
4	Ujjwala Jhala	SYBSc	09/02/11	Progress of Student
5	Poulomi Ghosh	SYBSc	18/07/10	Tree plantation
6	Anand Rathod	SYBSc	17/06/10	Visit to college campus
7	Mit Viroja	SYBSc	10/06/10	Discuss the FY result

## Microbiology Department

### Activities conducted

#### • Class Seminars- TYBSc Microbiology students

No.	Name	Topic	Grade
1	Andharia Kavan	Virus	A
2	Barad Neha	Bio fuels	B

3	Ankit Singh	Nitrogen cycle	A
4	Sangeeta paul	Chromatography	A
5	Zeopheunrani Sahoo	Waste water treatment	B
6	Jibin Jacob	Global warming	B

• **Study Tours: TYBSc Microbiology**

No.	Place visited	Date	No. of Students	Faculty members
1	BALAJI Industries	01/10/11	15	Mr. Usmangani, Ms. Neha Vanjara, Mr. Shivani Rawal Ms . Dipali Hindocha

▪ **Parents-Teacher Interaction**

On January 16, 2012, the department invited the parents of the FYBSc Microbiology students for a Parent-Teacher Interaction to discuss the irregularity in attending classes and the suggestive remedial measures

**Science Club**

In addition to the activities planned and conducted by the various Science Departments, the College has a Science Club for all the students of the College. Science is not only a subject which can be studied by a few experiments and reference books. Science is a systematic attempt to understand natural phenomenon to predict, modify and control phenomenon. Science Club aims to justify this by creating scientific awareness & attitude in the Christies.

**Office Bearers**

**Staff Coordinators**

Ms. Neha Vanjara – Coordinator  
Ms. Jalpa Kotecha  
Mr. Vishal Muliya  
Mr. Chirantan Raval  
Mr. Ravi Mansuriya

**Student Coordinators:**

**A - Group:**

1. Mr. Sanket M. Badiyani (T.Y.B.Sc.)- President
2. i) Ms. Nikita Thakur (S.Y.B.Sc.)- Vice President  
ii) Mr. Pradeep Jadeja (S.Y.B.Sc.)- Vice President
3. Mr. Vishal Shashangiya- Secretary

**B - Group:**

1. Mr. Shailesh Bhalara (T.Y.B.Sc.)- President
2. Ms. Purna Dwivedi (S.Y.B.Sc.)- Vice President

### Activities conducted by Science Club

By conducting various scientific activities Science club aims to

- Inculcate scientific awareness
- Develop scientific attitude amongst the student
- Extend the scientific approach

The following activities were conducted by the Science Club:

#### 1. Inauguration of the Club & Expert Lecture

Science club was inaugurated by Fr. Joseph, Principal Christ College and Professor D.G Kuberkar, Department of Physics, Saurashtra University on July 27, 2011 in the presence of students and staff. Inauguration ceremony was followed by an expert lecture.

Professor D G Kuberkar completed 10 research projects Funded by GUJCOST, DAE-BRNS, AICTE, UGC, UGC DAE-CSR, IUAC etc. His field of research Interest includes Experimental Condensed Matter Physics, High  $T_c$  Superconductivity, Oxide Nanomaterials, CMR bulk and Thin Films, Heterostructure and Devices applications. He had delivered lecture on “Recent Frontiers of Science” to create awareness about importance of Basic Sciences. At the end of session students interact with Professor Kuberkar to solve their doubts regarding the various applications of basic sciences.

#### 2. Essay Writing Competition

The Essay writing competition was organized on August 10, 2011 for the members of science club. The topics for the competition were,

- i Human Life style & Advanced Technology
- ii Role of Biological System in an Environment
- iii Food Safety & Management

Competition was judged by Mr. Usangani Tabani (Assistant Professor of Microbiology)

The winners of the competition were,

First: Swati (S.Y.B.C.A)

Second: Dhrangadhariya Anjani (T.Y.B.Sc.BI)  
Nayan Kumar Dholakiya (F.Y.B.Sc.-A)

Third: Ankita Singh (T.Y.B.Sc.-Micro)

#### 3. Scitoon Competition

The Scitoon Competition was organized on September 14, 2011. The topics for the competition were:

- i Ecofriendly Living
- ii Man v/s Computer

The competition was judge by, Mr. Jatin Rawal (Assistant Professor of Biology) & Ms. Rakhimol V Isaac (Assistant Professor & Head of Mathematics)

The winners were,

First: Swati (S.Y.B.C.A.)

Second: Vishal Shishangiya (F.Y.B.Sc.-A)

Third: Nayan Kumar Dholakiya (F.Y.B.Sc.-A)

#### 4. Poster Presentation Competition

Poster presentation competition was jointly organized by Science Club & Department of Microbiology on December 22, 2011 on Role of science to mitigate the current environmental problems” or “ Recent Advances in Current Science” separately for A and B group. Students were free to make poster in any group subject to maximum of four in a group. Total 12 posters were prepared by A group students and 18 by B group students. Posters of A group were judged by Dr.

Arvindakshan (Asst. Professor & Head, Department of Physics) and Dr. Yvonne Fernandes (Asst. Professor & Head, Department of Chemistry). B group posters were judged by Dr. Charmy Kothari (Asst. Professor & Head, Department of Biotechnology) & Dr. John J George (Asst. Professor & Head, Department of Bioinformatics). The winners were:

**A-Group**

- I. Swati (F.Y.B.C.A.)
- II. Savaliya Vimal & group  
Kathrotiya Shirin & group
- III. Nayan Dholakiya & group  
Avani Trivedi & group

**B-Group**

- I. Yuvrajsinh Jadeja (T.Y.B.Sc.-BT)
- II. Shailesh bhalara & Dhrangadhariya Anjani (T.Y.B.Sc.-B)  
Aditi Parsana & Vinnie Bagga
- III. Purna Dwivedi & group

**5. Publication of SCIWAM**

**National Science Day** is celebrated in India on February 28 each year to mark the discovery of the Raman Effect by Indian physicist Sir Chandrasekhara Venkata Raman on 28 February 1928. On the same day, i.e. February 28, 2012 last issue of CHRIST SCIWAM was released entitled "Computer Applications".

**6. Felicitation Function**

On March 14, 2012 Felicitation function was jointly organized by Science club & Nature club. All the winners of various competitions of science club were felicitated with trophies and certificates.

**Co-curricular Activities**

**Cultural Club**

Cultural club is the most vibrant and colorful club of the Christ college. The objectives of the club are:

- To promote cultural activities throughout the year
- To train students to participate successfully in university, state and national level cultural events.
- To keep in touch with rich Indian culture, customs and traditions
- To cater to creative needs of the students.
- To develop their personality, enhance their versatility and invoke realization of the self
- To inculcate the spirit of excellence in all areas of life
- To provide a platform for students to show case their talents
- To provide them with practical experiences of all aspects of management
- To help students develop organizational, intellectual, social, dynamic, leadership and communication skills

The club thrives to reach out to creative needs of the students of Christ College as well as mould their overall personality by exposing them to various experiences like managing college

competitions, managing and participating in inter-departmental competitions etc. **Staff**

**Coordinators:**

1. Ms. Khushali Katira (Coordinator)
2. Ms. Daphne Fernandes (Animator)
3. Mr. Devang Mehta (Animator)
4. Ms. Rakhi Issacmol

**Student Coordinators:**

1. Monica Pandyan – President
2. Ms. Khushboo Maniar - Main coordinator
3. Ms. Priyanka Mukherjee - Vice President
4. Mr. Shreepal Mehta - Secretary

**Committees:**

The activities of the club are coordinated by various student committees.

1. Organizing committee
2. Purchase committee
3. Discipline committee
4. Notice committee
5. Report committee
6. Hospitality committee
7. External arrangements committee
8. Technical Arrangements

**Internal Activities conducted by Cultural Club:**

**Selection of Office Bearers**

The selection of the office bearers of the club for the academic year 2011-12 took place on June 27, 2011. The interested candidates were been interviewed by staff and thus they were selected based on the following criteria:

- Interest in cultural activities
- Previous record
- Confidence
- Regular attendance in college and skills

**1. Inaugural Ceremony**

The inaugural ceremony was conducted on July 05, 2011. The office bearers of the club were introduced by the staff coordinator of the cultural club and they took an oath to fulfill their responsibilities and to work actively as a team for the benefit of the club.

**2. Friendship's Day**

The friendship day was announced to celebrate the essence of friendship, to help students get practical experience in organizational and management skills, to help to raise fund for charity and to inculcate the values like forgiveness, respect, peace, love and unity among the students. The friendship's day was celebrated August 06, 2011. In the recess an auction of a goody basket was held near the reception area.

**3. Teacher's Day**

Teacher's day was celebrated on September 05, 2011. After the first two lectures, faculties of the stream were taken to the main conference hall where they were been welcomed by

the committee members of the club. The event was hosted by Mr Shalin Narshighani (FYBBA) & Ms. Solomi Jogaiah (SYBBA). The club has arranged various games for the staff. Different games for different staff. Every staff member got a chance to play at least one game. A token of love & appreciation in the form of a memento was given to each staff member by the student coordinators of the club. After the completion of the games, a special power point slide show was been prepared showing various funny moments of the staff members. Program ended with a vote of thanks from the hosts and it was followed by refreshments.

#### **4. Navratri Celebrations**

Navratri celebrations took place on October 08, 2011, in the students parking area. Students & staff came dressed in traditional wear to dance to the tunes of garba. It was a day of celebration as well as competition for entire Christ Campus family which included Christ College, Christ Polytechnic Institute and Christ Institute of Management. The judges the event were: Dr. Yvonne Fernandes (For Faculties & Peons), Ms. Darshita Ganatra, Ms. Jalpa Kotecha, Mr. Dhaval Motwani and Ms. Khyati (For Students).

##### **Winners:**

##### **Staff-**

- Mr. Shivani Pathak
- Ms. Sheela Manoj
- Ms. Darshita Ganatra

##### **Students-**

- Mr. Sumit Dodiya
- Mr. Karan
- Ms. Pritesh
- Ms. Poonam
- Ms. Deepa
- Ms. Niyati

##### **Supporting Staff**

- Ms. Nainaben
- Mr. Vijaybhai

#### **5. Christmas Celebrations**

December 23, 2011, was declared as Saree & Blazer Day. All the girls and female faculty members came dressed in beautiful sarees and the boys and the male faculty members were smartly dressed in formals with blazers. The program was conducted in Open Auditorium. Anchor for the event was Ms. Pranali Yagnik (FYBBA). The Judges for the event to judge Best Dressed Student were Ms. Tisha Roy and Ms. Jasmine Manoj. Activities were:

- Christmas carols
- Games for male staff members
- Dance performance
- Games for female staff
- Dance performance
- Games for students
- Prof. A.R.Dave's speech

- Father Principal's speech and prize distribution as well.

A competition was declared for best dressed staff members as well as for students. The winners were:

**Staff –**

- Ms. Tisha Roy (Department of Arts)
- Mr. Prakash Khagram (Department of Computer Application)

**Students –**

- Mr. Abhishek Mehta
- Ms. Pooja Karia

**Winners:**

**Staff-**

- Mr. Robin Thomas (Department of English)
- Mr. Maulik Vyas (Department of English)

**Students-**

- Mr. Abhijit Mehta (SYBSc)

**6. Felicitation Ceremony**

The felicitation ceremony was conducted to honour and felicitate the Cultural Club office bearers, active members and achievers for making Cultural Club a success during the year 2011-2012. Anchors for the event were Mr. Samir (FYBCA) & Ms. Khushboo (TYBCA). Following was schedule:

- Multi-media presentation by Monica Pandyan
- Distribution of Certificates by Ms. Daphne Fernandes
- Refreshments for students

**External Activities coordinated by Cultural Club :-**

- DivyaBhaskar – Aa dekhe zara sponsored by IDEA  
Aa Dekhein Zara was the event held in the month of July and August which presented a variety of competition for students inclusive of singing, dancing and modeling. In all 4 students had participated in the function and 2 of them could make it to semi-final round and 1 to its final round.
- Volcano – Inter-college event 2012  
Volcano inter college event was conducted in February organized by our own students. It provided a good platform for different groups of talented students like dancers, singers and athletes. Ms Priyanka Mukherjee (SYBA) managed to grab second prize for classical dance form and Mr Dilip Pallai secured first position for 400 meters race.
- NU tech 2012  
NU tech 2012 was organized by the Rotaract club of Nirma University. It too offered different range of competitions to students. Ms Priyanka Mukherjee from SYBA participated in fashion show and managed to reach its second round out of its five rounds.
- Indian Idol  
Indian Idol is a popular show seen on National Television every year. Entries of four students had been sent, but, they could not make for further rounds.

### **Committee Management**

For the efficient management of the activities of the College, various committees: Admission, Examination, Discipline, Publication, Faculty Development, Feedback, Library and Magazine Committee are set up.

The Committees draw the action plan for the year, execute, monitor and help improve the performance of the College in their respective areas.

The College Committees thus enhance the efficiency, promote dynamism and responsibilities. Each Committee has specific objectives and responsibilities and is coordinated by faculty members. The Principal of the College is the Chairperson of each Committee and the Finance Administrator is the Ex-officio member.

### **Admission Committee**

#### **Members:**

Fr. Joseph VA	- Principal
Fr. Benny Joseph	- Finance Administrator
Dr. Yvonne Fernandes	- HoD Chemistry & Coordinator AC
Mr. I. K. Chavada	- Office Superintendent
Sr. Sinija	- Accountant
Sr. Mareena	- Administrative staff
Mr. Jayesh Mehta	- Administrative staff
Mr. Dhiraj Sharma	- Administrative staff
Ms Sheila Manoj	- Administrative staff

#### **Responsibilities**

To ensure transparency in the admission procedure and complete the entire admission formalities as per the guidelines set by the affiliating University and the Management

#### **Activities**

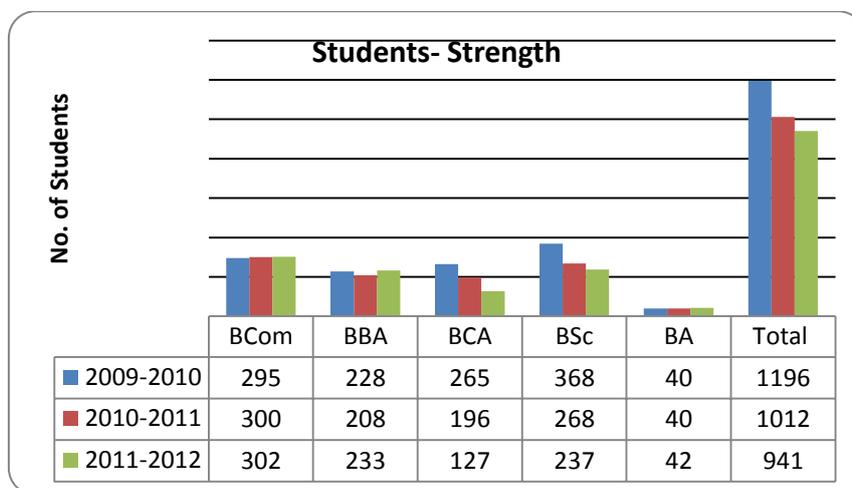
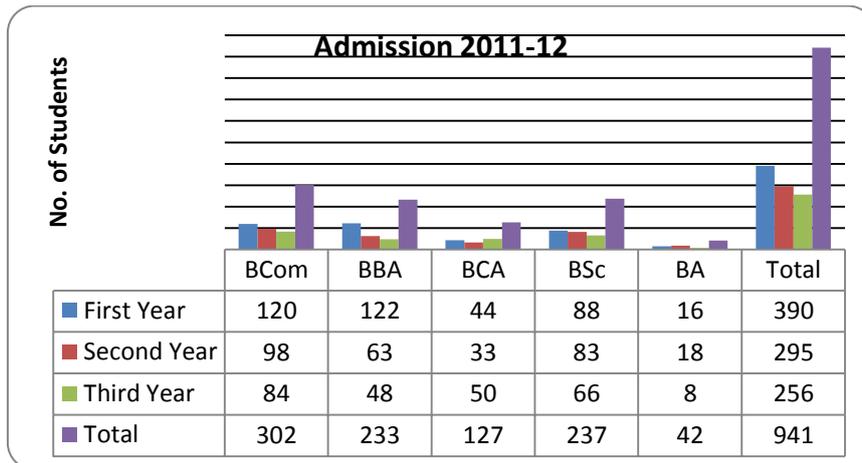
Completed the admission formalities of all the students of the College for the academic year 2011-2012

### **ADMISSIONS 2011-2012**

#### **Students' Strength**

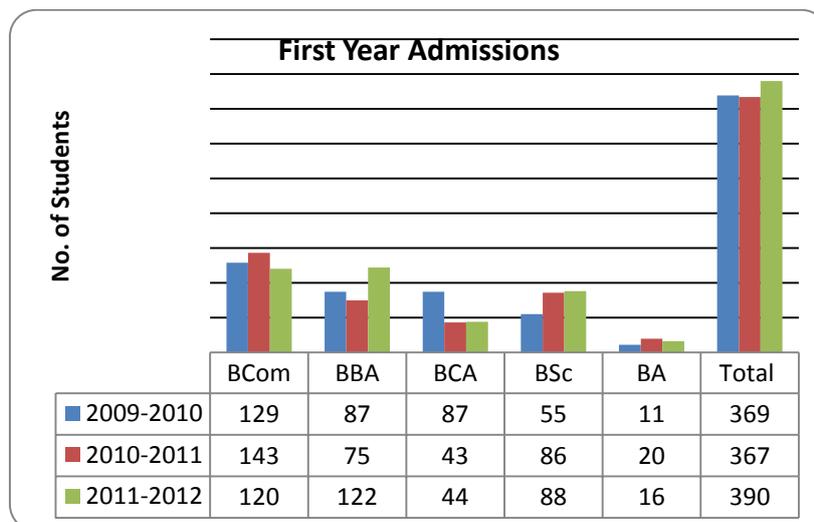
The total No. of the students admitted to different faculties during the academic year 2011- 2012 is 941

2011-2012	BCom	BBA	BCA	BSc	BA	Total
First Year	120	122	44	88	16	390
Second Year	98	63	33	83	18	295
Third Year	84	48	50	66	8	256
Total	302	233	127	237	42	941



On comparing the total student strength with that of the previous year it is observed that there is an overall decrease in student strength by 71

#### First Year Admissions



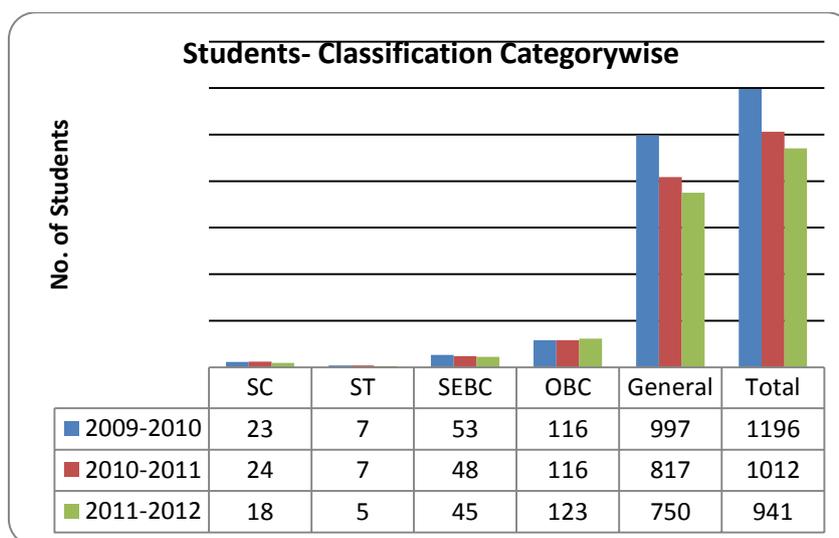
A comparative study of the First year Admissions indicates

- ✓ The number of students seeking admission to the various faculties in the first year classes is almost the same as in the previous year [2010-11: 367 and 2011-2012: 369].

**Classification of students for the academic year 2011-2012 is as follows**

**1. Classification – Category Caste**

	SC	ST	SEBC	OBC	General	Total
2009-2010	23	7	53	116	997	<b>1196</b>
2010-2011	24	7	48	116	817	<b>1012</b>
2011-2012	18	5	45	123	750	<b>941</b>



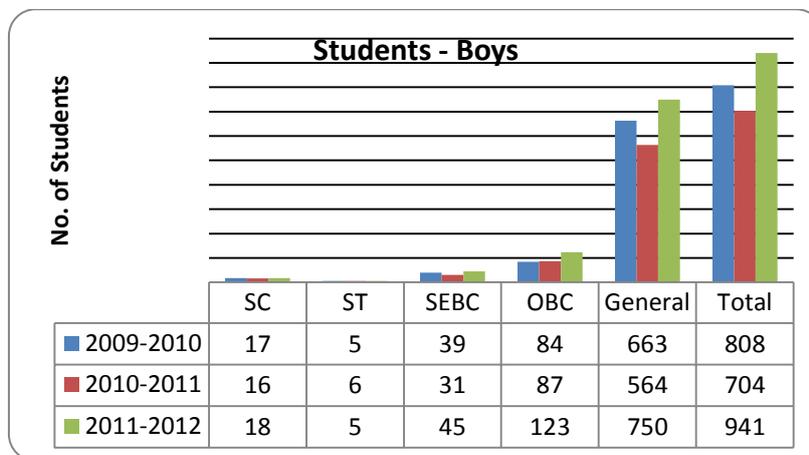
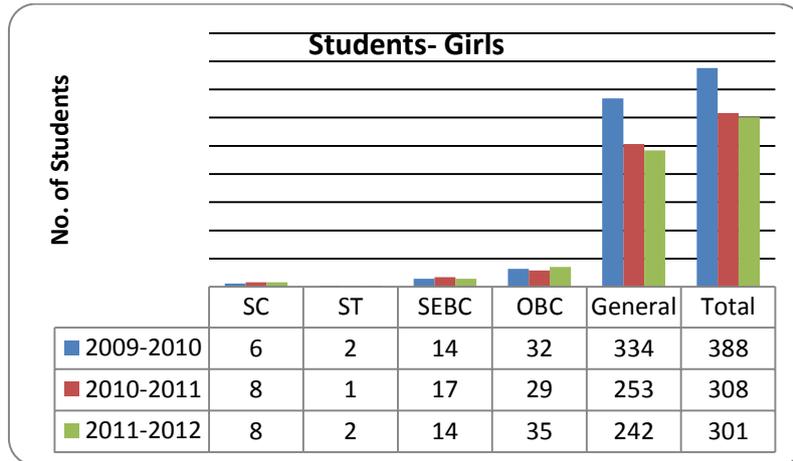
**Ratio – Students: General Category – Other than General Category**

Year	Total Other than General	Total General	Total Student	% Other than General	% General
2009-2010	199	997	1196	16.64 %	83.36 %
2010-2011	195	817	1012	19.27 %	80.73 %
2011-2012	191	750	941	20.3 %	79.7 %

A comparative study indicates that the percentage of students from the disadvantaged communities has increased in comparison to the previous year.

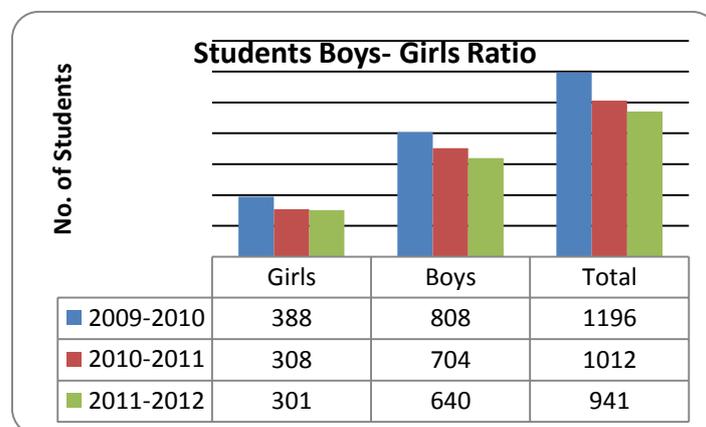
**2. Classification – Girls- Boys 2011-2012**

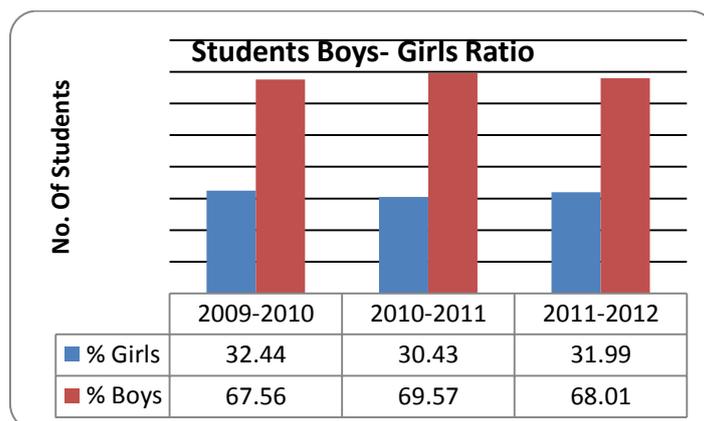
	SC	ST	SEBC	OBC	General	Total
Girls	8	2	14	35	242	301
Boys	10	3	31	88	508	640
Total	18	5	45	123	750	<b>941</b>



**3. Students: Girls - Boys Ratio**

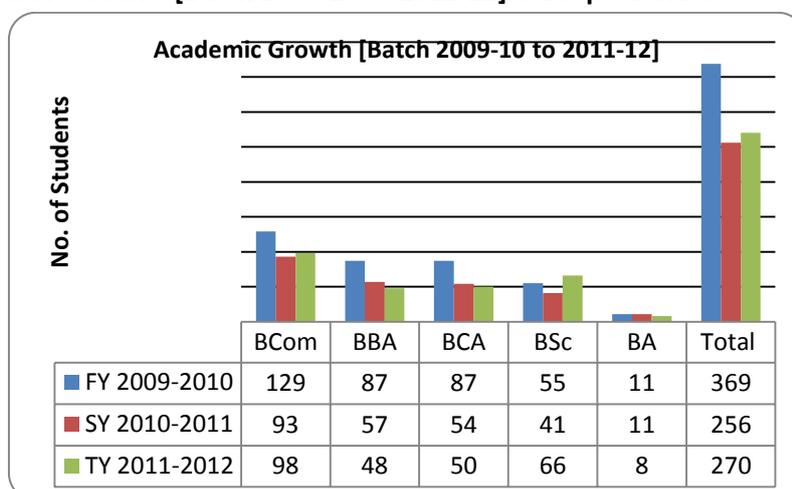
Year	No. of Girls	No. of Boys	Total No. of students	% Girls	% Boys
2009-2010	388	808	1196	32.44 %	67.56 %
2010-2011	308	704	1012	30.43 %	69.57 %
2011-2012	301	640	941	32 %	68 %





A study of the ratio of number of girls to boys indicates a minor but gradual increase in the percentage of girls compared to the total number of students admitted to Christ College, Rajkot.

#### Academic Growth of students [Batch 2009-10 to 2011-12] & Drop out Rate



	BCom	BBA	BCA	BSc	BA	Total
FY 2009-2010	129	87	87	55	11	369
SY 2010-2011	93	57	54	41	11	256
TY 2011-2012	98	48	50	66	8	270
No. of students- Left the College	31	39	37	31 New Admissions	3	110
% of students- Left the College	24 %	44.83 %	42.5 %	-	27.27 %	29.81 %

### Examination Committee

#### Responsibilities

- To coordinate the Internal and External Examinations as per the guidelines of the Institution and the University and to process the results.
- To coordinate all the examination related activities in a conducive atmosphere

### Activities

In addition to the regular college examinations, the Examination Committee has conducted the following University Examinations during the academic year 2011 – 2012:

#### UNIVERSITY EXAMS:

##### [1] October – November 2011

1. BCA Sem I & III
2. BA Sem I & III
3. BCom Sem I & III
4. BBA Sem I & III
5. BSc Sem I & III
6. BSc (B.I.) Sem I & III

##### [2] March – April 2012

1. BCA Sem II & IV
2. BA Sem II & IV
3. BCom Sem II & IV
4. BBA Sem II & IV
5. BSc Sem II & IV
6. BSc (B.I.) Sem II & IV

#### EXAMINATIONS OF OTHER AGENCIES :

1. 'O' and 'A' Level DOEACC Examination July 2011 for all the students of Rajkot center.
2. 'O' and 'A' Level DOEACC Examination January 2012 for all the students of Rajkot center.

### Publication Committee

#### Responsibilities

- To monitor the typing, editing, designing and printing the Prospectus, Handbook, Application forms, Stationery, Souvenir, and Practical Journals of Science faculty.
- Documentation of all the manuscripts published through the Institution.

#### Publications

Publication committee, as per the directions from the authorities, completed the printing of the materials for the academic year 2011 -12. The committee is proud to have contributed to various branches of the college with regards to publication related services.

No	Title	Purpose	Quantity
1.	Declaration Forms	Admission 2011-12	1000
2.	Application Forms	Admission 2011-12	1600
3.	Prospectus	Admission 2011-12	3000
4.	Folder	Admission 2011-12	3000
5.	ID Cards Format	Admission 2011-12	2000
6.	Handbook	Academic Planning	1230
7.	Syllabus- Commerce, Arts & BBA	Curricular Planning	600
8.	Syllabus- BSc & Computer Applications	Curricular Planning	400
9.	Journals	Reporting Practicals	2400

10.	Banner	Felicitation	85
11.	Christmas Card	Wishes	300
12.	Poster	Advertisement	530
13.	Invitation Card	Youth Festival	1000
14.	Programme List	Youth Festival	50
15.	Banner	Youth Festival	19
16.	Badge	Youth Festival	422
17.	Calendar 2012	Academic Calendar	3080
18.	Invitation Card & Cover	Workshop, Computer Dept.	60
19.	Poster	Workshop, Computer Dept.	400
20.	Certificate	Poster Presentation	50
21.	Banner	Workshop, Computer Dept.	8
22.	Badge	Workshop, Computer Dept.	85
23.	Folder	Science Symposium	1030
24.	Poser And Cover	Science Symposium	200
25.	Certificate	Science Symposium	500
26.	Banner	Science Symposium	3
27.	I Card	Science Symposium	400
28.	Abstract Book	Science Symposium	400
29.	Badge	Science Symposium	150
30.	Trophy	Aarohan	1
31.	Standee	Advertisement	101
32.	Letterhead	Office use	6000
33.	CD Sticker	Advertisement	100
34.	Visiting Card	Office Use	1000
35.	Advertisement Folder	Advertisement	20000
36.	Banner	Poster Presentation	1

### Faculty Development Committee

The following are the members of the committee for the year 2011-12

1	Dr. Swati Doshi	Coordinator
2	Mr. Shailendrasinh Jadeja	Member
3	Mr. Robin Thomas	Member
4	Mr. Jignesh Pandya	Member
5	Ms. Shivani Yagnik	Member

### Responsibilities

- To coordinate and organize various programmes for the orientation of faculty members to update their knowledge not only in academics but also with regards to health awareness, personality development, research methodology, availability of funds from different sources to carryout research, communication skill (particularly scientific writing) etc.
- To arrange workshops, seminars and conferences by identifying the emerging trends in academics and related fields.

- To update the office staff with respect to the current rules and regulations as well as computer software and packages.
- To facilitate the participation of staff members in the UGC sponsored orientation and refresher courses.

### Activities

The following have been the activities conducted during the year 2011-12:

3. On June 22, 2011, an FDP on “Role of a Teacher to influence High Emotional Intelligence in students was conducted by Dr. Nivedita Ganguly who works as a councilor in DAV Public School, Delhi and specializes in conducting modules on Self Development. She began the session on a light note by introducing various examples of different patterns of student behaviour in class due to emotional imbalance and the reasons for such behaviour followed by how a teacher could play a role in handling such situations with high emotional balance and encouraging a balanced behaviour in the students. A balloon game which required a lot of trust on others, concern for others was played and then the balloon was made to blast to show how one feels when our emotions also blast with a bang, it also signified that we feel happy when we behave and express our emotions freely. This habit of sharing emotions, placing trust on teachers to share various issues with teachers would promote a better level of Emotional Stability in students.
4. A Development Programme for the faculty members was conducted on October 12, 2011 on the topic “Application of Modern Technology in Teaching Learning process”. The executives from M/s Growel info tech presented the various technologies that could be used to aid teaching learning process and make it more effective with the use of the Interactive Board, Visualiser and 3 types of Projectors. A demonstration of these instruments was provided in order to understand its uses and effectiveness of the application of these devices.

### Magazine Committee

#### Objectives

- To type, edit, design and publish the magazine **CHRISTITES’ XPRESSIONS**
- To publish the recent developments of the College, the achievements of the staff and students
- To brief the reader of the up coming events of the College

The Magazine Committee for the year 2011-2012 consisted of the following members.

Ms. Tisha Roy (Coordinator)

Sr. Alphonsa

Ms. Tosha Bhatt

Mr. Jatin Raval

#### Activities

The magazine committee brought out two issues of Christite’s Expressions in this academic year. The magazine was given a new, trendy and more handy look. Features like Editorial, Personality Development, Alumni corner and Question Zone were newly introduced.

The two issues were brought out in November and April respectively.

- **Vol IX Issue I November 2011**
- **Vol IX Issue II April 2012**

### **Website Maintenance Committee**

#### **Objectives**

- Periodical updating of the college website
- Checking the college e-mail and communicating the message to the concerned
- Publishing the terminal and preliminary examination results on the college website

#### **Staff Coordinator:**

- ◆ Mr. John J. George                      Dept. of Bioinformatics
- ◆ Mr. Parag Rughani                      Dept. of Computer Science & Application

#### **Activities**

- ◆ Uploaded details of major college activities including photographs
- ◆ Checked e-mail every day and reported the message to the principal
- ◆ Sent e-mails to many officials.
- ◆ Uploaded Study materials
- Uploaded college magazine **CHRISTITES' XPRESSIONS** periodically

### **Multimedia Committee**

#### **Objectives**

- Monitors photography & videography of college activities
- Maintains multimedia room
- Records audio
- Monitors video lecture preparation

#### **Staff Coordinator**

- ◆ Mr. John J. George                      Dept. of Bioinformatics
- ◆ Mr. Paresh Joshi                      Dept. of English

#### **Activities**

- Video lecture prepared for Bioinformatics Students
- Science movies and video lectures shown to the students of various departments
- Editing videos & photos of college activities

### **Grievance and Redressal Cell**

#### **Responsibilities**

- To act as an approachable medium to the grievances of the students and staff members
- To redress the grievances of students and staff members of the College

#### **Staff Coordinators**

1. Dr.Nimisha Vaidya – Asst. Professor, Physics
2. Mr Usmangani Tabani – Asst. Professor, Microbiology
3. Ms Jeba Prabha. – Asst. Professor, Computer Science
4. Sr. Mary A.O. – Asst. Professor, English.

During the academic year 2011-12, the committee did not receive any grievances.

### **Discipline Committee**

#### **Responsibilities**

- To ensure a studious, disciplined and healthy atmosphere on campus

- To make the students responsible for all their activities
- To create an atmosphere where students can manage things with maturity and in a refined manner

#### **Activities**

- The class attendance was regularly monitored by the class-in charge.
- In case of defaulters the parents/ guardians were contacted through the HoD.
- The staff coordinators monitored the discipline on campus, during classes and at the functions.
- Untoward incidents on the campus were resolved by the intervention of the principal.
- The discipline committee assisted in the smooth conduct of all activities organized by the college.

### **Repair and Maintenance Cell**

#### **Responsibilities**

- To prevent breakdowns and accidents on campus
- To respond effectively to the calls for repair and maintenance
- To ensure uninterrupted power supply
- To ensure efficient functioning of telephones, EPBAX systems, computers and Internet facility.

#### **Activities**

- Throughout the year, Repair and Maintenance Cell effectively managed the maintenance of the assets of the campus.
- Regular maintenance of the laboratory equipments was carried out.
- Regular checks of all electrical gadgets and gas pipe line.
- The RMC of the college administered the uninterrupted functioning of the laboratory throughout the year.
- Updating PC, installation of software, maintenance of the PCs was regularly done by the RMC (computer).

#### **2. New academic programmes initiated (UG and PG): NIL**

[Applied to Saurashtra University for initiating PG courses: MSc Chemistry, MSc Biotechnology, MSc Microbiology & MSc IT

#### **3. Innovations in curricular design and transaction**

Christ College, Rajkot is affiliated to Saurashtra University and thus is not independent in curricular design. However the various Heads of Departments are on the BoS and are actively involved in curricular design. Faculty members are also members of committees formed to frame / redesign the syllabus.

- ✓ Dr. Aravindakshan – Physics
- ✓ Dr. Yvonne Fernandes – Chemistry
- ✓ Dr. Ramesh Kothari – Microbiology
- ✓ Dr. Charmy Kothari – Biotechnology
- ✓ Dr. Swati Doshi – Human Resource Management
- ✓ Ms. Tisha Roy - English
- ✓ Dr. Manoj Shah – Accountancy

- ✓ Ms. Darshita Ganatra – Finance
- ✓ Mr. Abhijitsinh Vala - Marketing

The University has implemented the **Choice Based Credit System (CBCS)** in all the faculties from June 2010; the HoDs are members of the Committee constituted for designing the curriculum

The College practices novel and innovative teaching methodologies like attending on-line lectures, teaching through videos / movies, use of LCD projector, experiential learning, group discussions, role plays, case study, seminars, etc. The methods adopted are student centric and provide maximum exposure to students.

The College has a well equipped media effects centre that facilitates the use of ICT in the teaching-learning process. The computerized language lab also has facilities for video-conferencing.

**4. Inter-disciplinary programmes started: NIL**

**5. Examination reforms implemented**

The College is affiliated to Saurashtra University and adopts the Examinations reforms decided by the University. The University has introduced the Choice Based Credit System (CBCS) since June 2010. All the faculties are in the Semester System.

As per the new system 30% of the total is internal assessment i.e. Continuous Comprehensive Assessment (CCA) and 70% external assessment i.e. Semester End Examination (SEE).

**6. Candidates qualified: NET/SLET/GATE etc. NIL**

**7. Initiative towards Faculty Development Programme**

The following have been the activities conducted during the year 2011-12:

Seminar on **'Role of a Teacher to influence High Emotional Intelligence in Students'** was conducted by Dr. Nivedita Ganguly who works as a councilor in DAV Public School, Delhi and specializes in conducting modules on Self Development.

Seminar cum demonstration on **'Application of Modern Technology in Teaching Learning Process'** by executives from M/s Growel info tech who presented the various technologies that could be used to aid teaching learning process and make it more effective with the use of the Interactive Board, Visualiser and the various types of Projectors. A demonstration on the use of these instruments was provided for a better understanding and effectiveness of the application of these devices.

**Participation in Faculty Development Programmes organized by other institutions**

▪ **UGC sponsored Refresher Course and Orientation Programmes**

**Refresher Course**

- Dr. Charmy Kothari, Mr. Usangani Tabani, Mr. Apurva Pandya, Mr. Robin Thomas & Mr. Francis D'souza participated in a UGC sponsored Refresher course at A.S.C. Saurashtra University from March 12 to April 01, 2012

#### Orientation Course

- Ms. Daphne Fernandes, Ms. Tosha Bhatt and Sr. Mary participated in a UGC sponsored Orientation Course organized by ASC Saurashtra University from May 09 to June 05, 2011.
- Fr. Benny Joseph participated in a UGC sponsored Orientation Course organized by ASC Saurashtra University from March 05, 2012 to April 01, 2012

#### Participation in other Faculty Development Programmes

- Mr. Parag Rughani participated in FDP on PC Hardware and future Technology organized by Academic Staff College, Saurashtra University, Rajkot from December 26, 2011 to January 01, 2012

#### ▪ Faculty Participation in Conferences / Seminars / Workshops

Sr. No	Name of the Faculty	Workshop / Conference / Symposium / Seminar	Organized by	Date	Level
1.	Dr. Ramesh Kothari, Dr. Sushmita Ganguly, Dr. C.R.Kothari, & Ms. Jalpa Kotecha	16 <sup>th</sup> National Convention of Society of Pharmacognosy and International Symposium on Traditional Medicine	Department of Pharmaceutical Sciences, Saurashtra University, Rajkot.	March 9 to 11, 2012	International Level
2.	Parag Rughani, Shailendrasinh Jadeja, Apurv Pandya, Jeba Praba, Tosha Bhatt, Pintu Bera, Seema Trivedi, Jasmine Manoj, Prakash Khagram & Chaitiali Chhaya	Development of One Day National level Seminar on Web App. Using Java & .NET	Department of Computer Science, Saurashtra University, Rajkot.	March 25, 2012	National
3	Rakhimol V. Isaac, Shares John, Jagrut Tripathi	Workshop on SCILAB and SAGE (open source software's)	Saurashtra University, Rajkot at Kamani Science College, Amreli	January 06, 2012	State
4	Kalpesh Vankani	14 <sup>th</sup> National Conference of Society of Statistics Computer and its application on Statistics and Management	Department of Statistics, Saurashtra University Rajkot	24 -26 February 2012	National

5	Jatin Raval	National seminar on Conservation of Biodiversity and Ecosystem of coastal region	Dept. of marine science, Dept. of life sciences and Dept. of Zoology, Sir P. P. Institute of Science, Bhavnagar University, Bhavnagar and BCSG, Gujarat	January 8 & 9, 2011	National
6.	Trupti Kholia	Three days Global Cancer Genomics Consortium, 2011	ACTREC, Mumbai		
7	Trupti Kholia	Three days Symposium on Accelerating Biology	CDAC, at Hotel VITS, Balewadi, Pune	15-17 February, 2012	
8	Sr. Alphonsa, Paresch Joshi, Tisha Roy, Robin Thomas & Maulik Vyas	A state level workshop on Innovative Teaching Methods & Techniques	SUETA	June 16, 2011	State
9	Ms. Daphne Fernandes	Workshop on Disaster Risk reduction in Higher Education	All India Disaster Mitigation Institute, Ahmedabad and UGC Academic Staff college, Rajkot	24-25 May, 2011	National level
10	Fr. Benny	National Conference	Department of Business Management, Saurashtra University, Rajkot	27 Nov, 2011	National
11	Dr. Charmy Kothari	Attended a workshop on functional oxides nanomaterials and devices NWFOND-2012	Department of Physics, Saurashtra University	March 1-2, 2012	National level
12	Mr. John J. George	<b>Recent Advancement and Current Trends in Medicinal Chemistry &amp; Other Chemical Sciences</b>	<b>Dept. of Chemistry, Saurashtra University, Rajkot, Gujarat</b>	March 16-18, 2012	National

13	Mr. John J. George	16 <sup>th</sup> National Convention of Society of Pharmacognosy and International Symposium on Traditional Medicine	Department of Pharmaceutical Sciences, Saurashtra University, Rajkot.	March 9 - 11, 2012	International
14	Mr. John J. George	<b>Opportunities &amp; Challenges in Academic Research</b>	<b>B.V Patel Education Trust, Ahmedabad and DST, Govt. of India</b>	March 02-04, 2012	National
15	Ms. Trupti Kholia	1 <sup>st</sup> Global Cancer Genomics Consortium	Tata Memorial Centre & ACTREC, Mumbai	Nov 10-12, 2011	International
16	Ms. Trupti Kholia	Accelerating Biology 2012 computing to decipher	CDAC, Pune	Feb 12-17, 2012	International
17	All the Science faculty members of Christ College, Rajkot	5 <sup>th</sup> National Science Symposium 2012 on Recent Trends in Science & Technology	Christ College & sponsored by GUJCOST, Gandhinagar	March 18, 2012	National
18	Fr. Benny	National Conference	Department of Business Management, Saurashtra University, Rajkot	27 Nov, 2011	National

#### 8. Total number of seminars / workshops conducted

##### National /State Level Events conducted by Christ College, Rajkot

- **'Vividha 2011 - Empowering Versatility in Edutainment'** - September 17, 2011 (Commerce & Business Administration)
- **'TechArena 2012'** - January 29, 2012 (Computer Application)
- **'5<sup>th</sup> National Level Science Symposium 2012'** sponsored by GUJCOST, Gandhinagar – March 18, 2012 (Science)
- **INSPIRE 2012** Sponsored by DST, Govt of India – May 06-10, 2012
- **State Level Poster Presentation Competition on 'Recent Trends in Chemistry and Chemical Technology'** - January 28, 2012.
- **State Level Oral & Poster Presentation Competition in Physics** - September 06, 2011

- **Inter-school Article Writing Competition cum Exhibition** organized by Chemistry Department, Christ College, Rajkot - September 15, 2011
- **Inter-school Science Quiz Competition** organized by the Physics Department, Christ College - December 20, 2011.

## 9. Research Projects

### a) Newly implemented:

No.	Title of the Project	Project Investigators	Funding Agency	Project	Amount Sanctioned
1	Synthesis, Characterization & Biological Evaluation of Metal Complexes	Dr. Jignesh Pandya (PI) & Dr. Y.J. Fernandes (Co-PI)	UGC, Govt. of India	Minor Research Project Sanctioned on August 16, 2011	Rs. 65,000/-
2	Production, purification and Characterization of Thermostable, Thermotolerant Extracellular phytase from bacterial isolates	Dr. R.K. Kothari (PI), Dr. R.K. Kothari (Co-PI) & Dr. C R Rawal (Co-PI)	UGC, Govt. of India	Minor Research project	Rs. 1.2 lakhs
3	Identification and characterization of multidrug resistant proteins and its inhibitors of <i>Staphylococcus</i> species	Mr. John George (PI)	UGC, Govt. of India	Minor Research project	
4	Fermentation Technology	Dr. R.K. Kothari(PI), Mr. Usmangani Tabani (Co-PI) & Ms. Neha Vanjara (Co-PI)	NMEICT-MHRD, Govt of India, New Delhi	Development of e-content	Rs. 6.71 lakhs
5	Foundation Course of Pharmaceutical Microbiology	Dr. R.K. Kothari (Co-PI)	NMEICT-MHRD, Govt of India, New Delhi	Development of e-content	Rs. 6.4 lakhs
6	Development of analytical Biochemistry and Separation Techniques	Dr. C.K. Kothari (PI), Dr. Padma Ambalam (Co-PI) & Dr. C.M. Rawal (Co-PI)	NMEICT-MHRD, Govt of India, New Delhi	Development of e-content	Rs. 6.40 lakhs
7		Dr. Manoj Shah (PI)	NMEICT-MHRD, Govt of India, New Delhi	Development of e-content	

**b) Completed:** NIL

**10. Patents Generated, if any:**

Dr. Padma Ambalam, Assistant Prof, department of Biotechnology- PCT application filed on 9th February, 2012 for patent entitled: Synbiotic compositions for restoration and reconstitution of gut microbiota - EU patent (2012)

**11. New Collaborative Research Programmes:**

**PG Dissertation: In collaboration with Department of Biochemistry, Saurashtra University – Rajkot:**

- Guide: Dr. Yvonne Fernandes, Head, Department of Chemistry  
Synthesis, Characterization and Biological evaluation of Schiff Bases
- Guide: Dr. Ramesh Kothari, Head, Department of Microbiology  
Study on isolation, characterization and enzymatic property of white rot fungi
- Guide: Dr. Jignesh Pandya, Assistant Prof. Department of Chemistry  
Synthesis, Characterization and Biological evaluation of Schiff Bases

**12. Research Grants Received from Various Agencies**

No.	Title of the Project	Project Investigators	Funding Agency	Project	Amount Sanctioned
1	Synthesis, Characterization & Biological Evaluation of Metal Complexes	Dr. Jignesh Pandya (PI) & Dr. Y.J. Fernandes (Co-PI)	UGC, Govt. of India	Minor Research Project Sanctioned on August 16, 2011	Rs. 65,000/-
2	Production, purification and Characterization of Thermostable, Thermotolerant Extracellular phytase from bacterial isolates	Dr. R. K. Kothari (PI), Dr. C. R. Kothari (Co-PI) & Dr. C R Rawal (Co-PI)	UGC, Govt. of India	Minor Research project	Rs. 1.2 lakhs
3		Mr. John George (PI)	UGC, Govt. of India	Minor Research project	

**13. Details of Research Scholars**

The following faculty members have registered for PhD

- Mr. Chirantan Raval - Microbiology
- Mr. John George - Bioinformatics
- Fr. Joseph V.A. - Chemistry
- Ms. Jalpa Kotecha – Chemistry
- Mr. Shailendrasinh Jadeja- Computer Science
- Mr. Parag Rughani – Computer Science

- Mr. Apoorva Pandya – Computer Science
- Mr. Abhijitsinh Vala – Management
- Ms. Darshita Ganatra – Management
- Mr. Gaurav Vora – Accountancy
- Ms. Daphne Fernandes – Management
- Fr. Benny Joseph – Management

#### Ph. D Guide

- Dr. Ramesh Kothari, Head, Department of Microbiology

#### Post Doctoral Fellow

- Dr. Padma Ambalam, Assistant Professor, Department of Biotechnology has done her Post Doctoral Fellowship from Sweden

#### MSc Dissertation Guide

- Dr. Ramesh Kothari, Head, Department of Microbiology
- Dr. Yvonne Fernandes, Head, Department of Chemistry
- Dr. Jignesh Pandya, Assistant Professor, Department of Chemistry
- Dr. Chirantan Raval, Assistant Professor, Department of Biotechnology

#### 14. Citation Index of Faculty members and Impact Factor:

##### Paper Published in Refereed Journals

No	Title	Authors	Journal	Impact Factor
1	Subtractive Genomics Approach to Identify Putative Drug Targets and Identification of Drug-like Molecules for Beta Subunit of DNA Polymerase III in Streptococcus Species.	George JJ, Umrana VV	Appl Biochem Biotechnol. 2012 Mar 14 (Springer)	<b>1.879</b>
2	Reverse Vaccinology Approach for the Identification of Potential Vaccine Candidates from Leishmania spp	John L, John GJ, Kholia T.	Appl Biochem Biotechnol. 2012 Mar 21. (Springer)	<b>1.879</b>
3	Crowd Sourcing a new paradigm for Interactome Driven Drug Target Identification in <i>Mycobacterium tuberculosis</i>	Kholia Trupti, <i>et al</i>	PLoS ONE May 2012	<b>4.411</b>
4	Decolorization of Textile Dye Remazol Black B by Pseudomonas aeruginosa CR-25 Isolated from the Common Effluent Treatment Plant.	Jiss Joy, Kothari RK, Raval CM, Kothari CR, Akbari VG, et al. (2011)	J Bioremed Biodegrad 2:118. doi:10.4172/2155-6199.1000118	1.45

5	Protective effect of <i>Lactobacillus rhamnosus</i> 231 against N-Methyl-N'-nitro-N-nitrosoguanidine in animal model	Viral Gosai, Padma Ambalam, Maya Raman, C R Kothari, R.K. Kothari, B R M Vyas, Navin R Seth	Gut microbes- Landes Bioscience Publisher Gut Microbes: (2) 6.	<b>0.455</b>
6	Anaerobe-Mutagen binding and antimutagenic activities of probiotic <i>Lactobacillus rhamnosus</i> 231.	Padma Ambalam, J.M. Dave, Baboo M. Nair and B.R.M. Vyas (2011).	Anaerobe-Mutagen binding and antimutagenic activities of probiotic <i>Lactobacillus rhamnosus</i> 231.	<b>2.448</b>
7	Bile stimulates cell surface hydrophobicity, congo red binding and biofilm formation of <i>Lactobacillus</i> strains	Padma Ambalam, Kanthi Kiran Kondepudi, Ingrid Nilsson, Torkel Wadström and Åsa Ljungh.	FEMS Microbiology Letters	2.01
8	Potential of probiotic <i>Lactobacillus</i> strains as Food additives. "Food Additive",	S. Pithva, P. Ambalam, J. M. Dave, B.R.M. Vyas (2011).	Intech publisher ISBN 979-953-307-112-0.	
9	Antimicrobial proteins of probiotic <i>Lactobacillus</i> strains (2011).	S. Pithva, P. Ambalam, J. M. Dave, B.R.M. Vyas (2011).	Science against microbial pathogens: communicating current research and technological advances.	
10	Decolorization of textile dye Remazol Black B BY <i>Pseudomonas aeruginosa</i> CR-25 Isolated from the common effluent treatment plant.	Jiss Joy, R. K. Kothari, C.M. Raval , C.R. Kothari , V. G. Akbari & S. P. Singh. (2011).	Journal of Bioremediation & Biodegradation <a href="http://dx.doi.org/10.4172/2155-6199">http://dx.doi.org/10.4172/2155-6199</a> omics publishing group/biobio.	1.45
11	Methanogen diversity in the rumen of Indian Surti buffalo ( <i>Bubalus bubalis</i> ), assessed by 16S rDNA analysis.	Singh K M, Pandya P R, Parnerkar S, Tripathi A K, Rank. D N, Kothari R K Joshi C G (2011).	Research in Veterinary Science (RVSc) (doi:10.1016/j.rvsc.2011.03.022).	1.544
12	<i>Dasytricha</i> dominance in Surti buffalo rumen revealed by 18S rRNA sequences and Real-time PCR Assay.	Singh K M, Tripathi A K, Pandya P R, Parnerkar S, Rank. D N, Joshi C G and Kothari R K (2011).	Current Microbiology, DOI 10.1007/s00284-011-9975-4	<b>1.51</b>
13	HaloBase: Development of Database System for Halophilic Bacteria and	Hetal.U, Megha.K.P, John J, George, Paul.S and Singh.S.P,	Journal of Scientific & Industrial Research.	

	Archaea with respect to Proteomics, Genomics & other Molecular Traits,		Vol.70, November 2011, PP. 976-981. <a href="http://nopr.niscair.res.in/handle/123456789/12969">http://nopr.niscair.res.in/handle/123456789/12969</a>	
14	In silico identification of putative drug targets in Klebsiella pneumonia MGH78578,	John J George and Valentina Umrana	<i>Indian Journal of Biotechnology</i> . Vol 10, October 2011, pp 432-439. <a href="http://nopr.niscair.res.in/handle/123456789/12980">http://nopr.niscair.res.in/handle/123456789/12980</a>	
15	A Reverse Vaccinology Approach for the Identification of Potential Vaccine Candidates from Leishmania spp.	John L, John GJ, Kholia T	<b><i>Appl Biochem Biotechnol. 2012 Mar 21. [Epub ahead of print] PubMed PMID: 22434357</i></b>	

• **Paper Published at Conferences / Symposium**

No	Title	Authors	Conference / Symposia
1	Synthesis, Structural Characterization, Spectroscopic Studies and Antimicrobial Activities of Schiff Base Ligand & its Transition Metal Complexes	Joseph V.A, J.H.Pandya & Y.J.Fernandes	National Conference on Chemical Sciences in the New Millennium (NCCSNM-2012) organized by Department of Chemistry, Pacific College of Basic and Applied Sciences, Pacific University, Udaipur, Rajasthan on January 08, 2012.
2.	Spectroscopic Studies and Biological evaluation of Schiff Base derived from $\beta$ -resacetophenone	B.D.Vania, N.D.Parekh, R.R.Dam, J.H.Pandya, Y.J.Fernandes, R.K.Kothari, C.M.Rawal, G.S.Dave	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
3	Growth and Characterizations of the Pure and KNO <sub>3</sub> doped KDP Crystals	Mr. Ravikumar Mansuriya	Proceedings of the 20 <sup>th</sup> National Laser Symposium (NLS-20), Anna University, Chennai. Jan uary 9 – 12, 2012.
4	Fuzzy logic	Ms. Rakhimol V. Isaac	At PP Institute of Science and Technology, Bhavnagar, organized by Bhavnagar University and UGC on 19th March 2012.
5	Quality control in Plastic hand cutlery	Mr. Kalpesh Vankani	Conference on Mgt., Commerce, Business and Economic Research organized by UGC, New Delhi on November 27 2011 Rajkot

6	An <i>In silico</i> approach for the identification of potential drug targets & its inhibitors for <i>Streptococcus</i> species	John J George* & Valentina Umrana	International Conference on New Horizons in Biotechnology 2011 (November 21 – 24, 2011) at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala, India.
7	Identification and characterization of oral cancer drug targets: An <i>In silico</i> Approach	Sneha Paul, John J. George	International Conference on New Horizons in Biotechnology 2011 (November 21 – 24, 2011) at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala, India.
8	Functional annotation for reference hypothetical proteins of <i>Pseudomonas putida</i> F1	Bhayani Niraj, Katara D. Eileen, Kholia Trupti, John J. George	International Conference on New Horizons in Biotechnology 2011 (November 21 – 24, 2011) at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala, India.
9	A <i>Reverse Vaccinology</i> approach for the identification of potential vaccine candidates from <i>Leishmania</i> spp.,	John Lijo, John J George and Kholia Trupti Awarded as Best poster	International Conference on New Horizons in Biotechnology 2011 (November 21 – 24, 2011) at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala, India.
10	An <i>In silico</i> approach for the identification of potential drug targets & its inhibitors for <i>Mycobacterium</i> species	John J George and Valentina Umrana	International Conference on Microbial Biotechnology for Sustainable Development (52nd Annual Conference of Association of Microbiologists of India (AMI) – 2011) (November 03 – 06, 2011) at Punjab University, Chandigarh, Punjab, India
11	Conceptual Framework of Body Shopping in the Indian Context	Dr. Swati Doshi	National Conference, organized by Department of Business Management, Saurashtra University, Rajkot on November 27, 2011
12	Analysis of financial Performance of Indian Airlines Company	Dr. Manoj Shah	National Conference, organized by Department of Business Management, Saurashtra University, Rajkot on November 27, 2011
13	Survey on Potential of Cross Selling of retail products of banks in Rajkot	Ms. Darshita Ganatra	National Conference, organized by Department of Business Management, Saurashtra University, Rajkot on November 27,

			2011
14	Determinants of customer loyalty in Retail malls- A literature review	Mr. Abhijitsinh Vala	National Conference, organized by Department of Business Management, Saurashtra University, Rajkot on November 27, 2011
15	Growth and Role of E Commerce – A Perspective of Indian Economy	Mr.Gaurav Vora	National Conference, organized by Department of Business Management, Saurashtra University, Rajkot on November 27, 2011
16	Stress Management for Teachers	Ms. Daphne Fernandes	National Conference, organized by Department of Business Management, Saurashtra University, Rajkot on November 27, 2011
17	Assessing Women on Entrepreneurial Platform	Ms. Khushali Katira	National Conference, organized by Department of Business Management, Saurashtra University, Rajkot on November 27, 2011
18	A review of Public Transportation in India	Mr. Devang Mehta	National Conference, organized by Department of Business Management, Saurashtra University, Rajkot on November 27, 2011
19	Impact of direct Tax code on investment Strategy	Dr. Manoj Shah	International Seminar organized by Department of Accountancy and Business Statistics, University of Rajasthan and Indian Accounting Association, Jaipur chapter on 17-18 December, 2011
20	The study on the importance and risks of E-Banking	Ms. Daphne Fernandes	International Conference organized by V.M Patel Institute of Management and Centre for Management studies – Ganpat University in association with Victoria University, Australia on January 23 & 24, 2012
21	A study of Merchant banking in India	Ms. Daphne Fernandes	International Conference organized by V.M Patel Institute of Management and Centre for Management studies – Ganpat University in association with Victoria University, Australia on January 23 & 24, 2012
22	Psychology of Investors (Behavioural Finance)	Ms. Darshita Ganatra	National Conference organized by Department of Commerce and Business Administration, Saurashtra University, Rajkot on

			January 28, 2012
23	Application of IFRS in Asia	Mr. Gaurav Vora	National Conference organized by Department of Commerce and Business Administration, Saurashtra University, Rajkot on January 28, 2012
24	A study of the satisfaction Level of the Employees of Omega Elevators	Ms. Daphne Fernandes	International Conference organized by ASM Group of Institutes, Pune in association with Cetys University, Mexico on March 3 & 4, 2012
25	Social Marketing and its Features	Ms. Daphne Fernandes	International Conference organized by ASM Group of Institutes, Pune in association with Cetys University, Mexico on March 3 & 4, 2012
26	A Study on the Effectiveness of Essar's CRM Portal	Ms. Daphne Fernandes	International Conference organized by SES Yadavrao Tasgaonkar Group of Institutes, Mumbai on March 22, 2012
27	Steganography & Cyber Securities	Mr. Parag H. Rughani	5 <sup>th</sup> National Level Science Symposium organized by 5 <sup>th</sup> Christ College, Rajkot on March 18, 2012
28	Assessing the Acceptability of Adaptive E-Learning System	Mr. Shailendrasinh Jadeja	5 <sup>th</sup> National Level Science Symposium organized by 5 <sup>th</sup> Christ College, Rajkot on March 18, 2012
29	Presented a research paper as main author in poster session entitled "isolation and determination of polyvalence of <i>E.coli</i> and <i>S.typhimurium</i> phages and antibiogram of their host" in 4 <sup>th</sup> congress of European Microbiologist (FEMS – 2011)	Dr. Ramesh Kothari	Federation of European Microbiological societies held at Geneva, Switzerland during 26 – 30 June, 2011
30	Spices as Antimicrobial agent	Dr. Ramesh Kothari, Mr. Usmangani Tabani, Ms. Neha Vanjara, Ms. Shivani Pathak & Ms Deepali Hindocha	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012

31	Isolation and Screening of Plant Growth Promoting Rhizobacteria	Dr. R.K Kothari, Dr. C.R.Kothari, Mr. Usmangani Tabani, Ms. Neha Vanjara, Ms. Shivani Pathak & Ms Deepali Hindocha	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
32	Isolation and Characterization of Microbial Flora of Fast Food	Dr. Ramesh Kothari, Mr. Usmangani Tabani, Ms. Neha Vanjara, Ms. Shivani Pathak & Ms Deepali Hindocha	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
33	“Transcriptomics – A Prominent Technique Used In Various Physiological Pathways Study	Dr. Ramesh Kothari,	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
34	Exploring Molecular And Bioprocess Area In The Decolorization Of Textile Azo Dyes For Bioremediation Of Sites Contaminated With Textile Effluents	Dr. Ramesh Kothari,	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
35	Study Of Coliphage And Their Host Isolated From Poultry Faecal	Dr. Ramesh Kothari,	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
36	Isolation, Screening And Formulation Of Rhizobacteria For The Biodynamic Farming	Dr. R.K Kothari, Dr. C.R.Kothari, Mr. Usmangani Tabani, Ms. Neha Vanjara, Ms. Shivani Pathak & Ms Deepali Hindocha	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
37	Determination Dye Decolorizing Potential Of Newly Isolated White Rot Fungus Gk – 6	Dr. Ramesh Kothari,	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
38	Optimization of extracellular phytase from pseudomonas sp.: by response surface methodology	Dr. Ramesh Kothari,	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012

39	Exploring molecular and bio-processing area in the decolorizing of textile azo dyes for bioremediation of sites contaminated with textile effluent-	Joshi A.Y, <b>C.R.Kothari</b> and R. K. Kothari	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
40	Study of coliphage and their host isolated from poultryfaecal	Bhensdadia. D. V., H. D. Bhimani, Koringa P. G., Kothari v. V., <b>C.R.Kothari</b> & R. K. Kothari	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
41	Isolation screening and formulation of rhizobacteria for their biodynamic farming	Vishal Kothari, R. K. Kothari., C.R.Kothari & BRM Vyas	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
42	Antimicrobial activity of surface anchored <i>Lactobacillus rhamnosus</i> 231 against <i>Pseudomonas aeruginosa</i> .	Padma Ambalam, Vaishali Jashani, Sheetal Pithva, J.M. Dave and B. R. M. Vyas (2011)	6th International Yakult Symposium, May 26 -27, Vienna, Austria
43	Antimicrobial activity of lactic acid bacteria and bifidobacteria against <i>Clostridium difficile</i> . Abstract presented for poster presentation at International Scientific conference on Probiotics and Prebiotics.	Padma Ambalam, Vaishali Jashani, Sheetal Pithva, J.M. Dave and B. R. M. Vyas (2011)	International Scientific conference on Probiotics and Prebiotics, 14- 16 June at Kosice, Slovakia.
44	<i>In vitro</i> degradation of prebiotics by bifidobacteria. Abstract presented for poster presentation at International Scientific conference on Probiotics and Prebiotics	KanthiKiran Kondepudi, Padma Ambalam, Torkel Wadström and Åsa Ljungh	International Scientific conference on Probiotics and Prebiotics, 14- 16 June at Kosice, Slovakia.
45	Production and optimization of phytase from <i>Pseudomonas aeruginosa</i> using response surface methodology.	Mr. Chirantan Raval and C. R. Kothari	5 <sup>th</sup> National Level Science Symposium organized by Christ college, Rajkot and sponsored by GUJCOST, Gandhinagar, on March 18, 2012
46	An <i>In silico</i> approach for the identification of potential drug targets & its inhibitors for <i>Streptococcus</i>	John J Georrge and Valentina Umrانيا	International Conference on New Horizons in Biotechnology 2011. Organized by NIIST, Trivandrum, Biotech Research

	species		Society – India and Indian Govt. On November 21-24, 2011
47	Identification and characterization of oral cancer drug targets: An <i>In silico</i> Approach	Sneha Paul, John J. George	International Conference on New Horizons in Biotechnology 2011. Organized by NIIST, Trivandrum, Biotech Research Society – India and Indian Govt. On November 21-24, 2011
48	Functional annotation for reference hypothetical proteins of <i>Pseudomonas putida</i> F1	Bhayani Niraj, Katara D. Eileen, Kholia Trupti, John J. George	International Conference on New Horizons in Biotechnology 2011. Organized by NIIST, Trivandrum, Biotech Research Society – India and Indian Govt. On November 21-24, 2011
49	A <i>Reverse Vaccinology</i> approach for the identification of potential vaccine candidates from <i>Leishmania</i> spp.	John Lijo, John J. George and Kholia Trupti	International Conference on New Horizons in Biotechnology 2011. Organized by NIIST, Trivandrum, Biotech Research Society – India and Indian Govt. On November 21-24, 2011
50	An <i>In silico</i> approach for the identification of potential drug targets & its inhibitors for <i>Mycobacterium</i> species	John J. George and Valentina Umrania	International Conference on Microbial Biotechnology for Sustainable Development (52nd Annual Conference of Association of Microbiologists of India (AMI) – 2011) (November 03 – 06, 2011) at Punjab University, Chandigarh, Punjab
51	Addressing the Acceptability of AEL	Mr. Shailendrasinh Jadeja	Inter-national Conference on Recent Trends in Computer Technology organized by Dept of Computer Sc. & IT JRN RV Uni. Udaipur from April 21-23, 2012

#### 15. Honors/Awards to the faculty:

##### Dr. Ramesh Kothari, Head, Department of Microbiology

###### Fellowships

- UGC & DST Travel fellowship to attend an International Conference (FEMS-2011)

##### Dr. Padma Ambalam, Assistant Professor, Department of Biotechnology

- Worked as post doc in EU funded project entitled: Pro and prebiotic approach for the treatment of *Clostridium difficile* associated diarrhea (CDAD) in Prof. Torkel Wadstrom research group, Lund University, Sweden(2009-2012)

##### Dr. Charmy Kothari, Head, Department of Biotechnology

- Was a Mentor in DST sponsored 'INSPIRE Internship Summer Camp-2011', coordinated by Department of Pharmacy, Saurashtra University, Rajkot from May 3-7, 2011

#### EXTENSION ACTIVITIES

- Mr. Parag Rughani delivered an expert lecture on Open Solaris and Wordpress at PKM College, Junagadh on April 04, 2012.

- Dr. Ramesh Kothari was zonal coordinator in GSBTM, Gandhinagar Sponsored National Level Biotechnology Aptitude Test – 2012 (BAT – 2012) online exam, held on February 05 & 12, 2012
- Dr. Ramesh Kothari was invited as a subject expert in interview selection committee for Biotechnology - Bhagat Science college, Amreli on February 17,2012.
- Dr. Ramesh Kothari was invited as an Associate Professor in Selection committee for interview of meritorious fellow by Department of Biochemistry, Saurashtra University, Rajkot on 12/01/2012.
- Dr. Ramesh Kothari was invited as visiting lecturer for M.Sc. Biotechnology Semester –II, Saurashtra University, Rajkot

#### Articles Published in Bulletin

Sr No.	Name of the Faculty	Topic / Title	Name of Journal / Book	Issue / Chapter No
1	Dr. Nimisha Vaidya	Gujarati article "Marie Curie – ek mahila vigyani ni sangharshgatha"	Gujarati IAPT bulletin "Pragami Tarang-2011" (Progressive Wave) August 2011	Volume III
2	Mr. Ravikumar Mansuriya	Gujarati article "Touch screen technology"	Gujarati IAPT bulletin "Pragami Tarang-2011" (Progressive Wave) August 2011	Volume III

#### Books Published

Sr. No	Name of Faculty	Name of Book / Chapter	Issue & Year	ISBN	Publisher
1	Mr. Parag H Rughani	Mobile Programming using J2ME	Third Impression June-2011	978-93-81072-00-4	C. Jamnadas & Company.
2	Mr. Shailendrasinh Jadeja	SPARK	March 2012		Academic Staff College, Rajkot

#### 16. Internal Resources Generated

No.	Source	Amount (Rs)
1	Fees – BSc	6192600
2	Fees- BA	579000
3	Fees- BCA	3394850
4	Fees- BCom	5061500
5	Fees- BBA	6246600
6	Other Fees	3153248
7	Bank Interest	123941
8	Sponsorship BI Workshop	150000
9	Sponsorship Science Symposium (GUJCOST)	100000
10	Registration Science Symposium	95850
11	Youth Festival – Saurashtra University contribution	200000
12	Youth Festival - Registration	21000

13	Youth Festival – Local Sponsorship	103000
14	TechArena – Local Sponsorship	18500
15	TechArena – Registration	68150
16	Vividha- Local sponsorship	17500
17	Vividha- Registration	6800
	Total Amount Generated Rs	25487539

**17. Details of Departments getting SAP, COSIST (ASSIST)/DST. FIST, etc. Assistance / Recognition : NIL**

**18. Community Services**

The community services of the College are coordinated by the Rotaract Club, NCC, Nature Club and Aarohan – the Women’s Cell of the College.

**Rotaract Club**

Rotaract Club is established for the socio-cultural development of the students. The club provides an opportunity to students for social service, development, as well as entertainment. The activities of the club are managed by its governing body.

**Staff Coordinator:** Mr. Shailendrasinh Jadeja

**Student Coordinators (Board Members):**

- |                                   |                             |
|-----------------------------------|-----------------------------|
| 1. President                      | Ms. Pooja Chandnani (TYBBA) |
| 2. Vice-President                 | Ms. Nikita Juthani (SYBBA)  |
| 3. Secretary                      | Ms. Seema Damor (FYBBA)     |
| 4. Treasurer                      | Mr. Sumit Dodiya (TYBCOM)   |
| 5. Director-Youth Service         | Mr. Rahul Shth (SYBBA)      |
| 6. Director-Community Service     | Mr. Brijesh Chauhan (SYBCA) |
| 7. Director-International Service | Mr. Ezhava Akash (FYBCA)    |
| 8. Director-Vocational Service    | Ms. Rhea Thomas (FYBBA)     |

A brief account of activities of the club during the academic year is as follows

**1. Orientation Session**

An orientation session was arranged for first year students in the first week of July 2011. The purpose was to make them aware of the motto and activities of the club. Moreover, the attempt was in the direction of making them realize the importance of their contribution to the society. The orientation included a presentation on the activities of the club which was followed by an interaction and feedback.

**2. Selection of Board Members**

Selection of Rotaract board members was held on last week of July, 2011. Selection panel consisted of three staff members of the club. There were total twenty-one candidates from different streams of which eight were selected to form the Rotaract Board.

**3. Flower Day Celebration**

Flower Day was celebrated on September 12, 2011 with a view to bring colours of sweet relations in the life of members of Christ family and at the same time to spread colours of happiness in the life of less privileged as the fund generated was utilized for their benefit. Booking for different colour Flower was done for four days. 370 Flowers of different colours were booked generating a total income of Rs. 4,990.

#### **4. Fund Collections**

1. Donation and Membership fees collection was made during the year 2011-12 of Rs.374 and Rs.3,750.
2. The National Association for the blind celebrates September 14 every year as Flag Day for the benefit of the blind. As a part of this celebration, the Club members collected Rs. 6,000 for the benefit of the blind.

#### **5. Visit to Old age Home**

On October 20, 2011, the Club members visited the old age home at Ratanpar on Rajkot Morvi Highway. The purpose of the visit was to spread sympathy and generate feeling for the inmates, who are living away from their own home, and are lesser privileged. The Club not only sponsored a Lunch but also served food to the inmates.

#### **6. Kite Festival**

Kite Festival Day was celebrated on January 11, 2012 with a view to generate fund to be utilized for the benefit of the less fortunate. Booking for different colour kites was done for three days. 70 Kites were booked generating an income of Rs. 1,220.

#### **7. New Born Baby Clothes Distribution at Civil Hospital (Maternity Home)**

On February 16, 2012, clothes for new born babies were distributed in civil hospital maternity wards. 30 kits were purchased and distributed.

### **Nature Club**

#### **Objectives of the Club**

- Generation of awareness regarding environment amongst students
- Sensitizing students to work for preservation and conservation of our natural resources.

#### **Staff Coordinators**

Jatin V. Raval – Coordinator

Trupti Kholia

Jignesh Pandya

Ravi Mansuriya

#### **Student Office Bearers**

Anjani Dhrangadhariya

Ujjwala Jhala

Mayur Saglani

Dharmesh Makwana

Nirali Thakker

#### **Activities conducted by the Club**

##### **1. Free Plant Distribution at College Campus**

Tree-Plantation Program as well as free distribution of saplings (Plants) was organized by the club on August 26, 2011. It was inaugurated by Rev. Father Joseph V.A., Principal Christ College, Rajkot who distributed saplings to the students. The plants selected for distribution were of ornamental and medicinal importance. Gulmahor, Tulsi, Panervo, Saru, Badam, Nagol, Borsli, Garmalo, Saragavo, Arjun, Karanj, Sisu, Harde, Kasid, Bheda, Ardusi, Ambla, Jamfali, Neem, Sitafali, Pipal, Banyan, Shikakai, Salai, Pilu, Baheda, etc were collected for the event with the help of Munjka Forest Department Nursery. The expense of these saplings was sponsored by the Club.

## **2. Tree Plantation in City**

Tree plantation is a tradition of Nature club. Pollution is a global problem, which our country is not, spared from. The major reason behind this is deforestation and industrialization. To avoid further deforestation, the only possible solution is reforestation which can be done by planting saplings of native trees which can tolerate local harsh environmental conditions. Christ College Nature Club in collaboration with SSY Rajkot and Rajkot Municipal Corporation organized a program to plant saplings of trees which were not only indigenous but also had a medicinal values. On August 26, 2011 at 6:30 am at Shashtri Maidan 20 enthusiastic nature-lover students of the College contributed to this event. There were about 28 saplings of Neem, Bili, Pangaro, Tatu, Ragat-Rohido, Ardusi, Asopalav, Babul, Shrish, Karanj, Borsali, Umbro, Savan, Jungali badam, etc. These saplings were supplied by the Forest Department. Tree-Guards for protection were also fixed. With the support of Municipal Corporation, irrigation facilities were available throughout the year.

## **3. Movie/Documentary on Nature**

Documentary movies on nature were show by Nature club on September 19 & 30, 2011. By seeing nature movies we knew importance of nature. So it is very important for everybody to conserve the Mother Nature. All living and non living objects play important role in maintaining equilibrium of nature. All of them give direct benefit to nature. Some give indirect beneficial to nature, which are not realized by us.

We think that insets are not important for nature but they play greater in pollination of plant kingdom. As we have seen in nature movies, honey bees play greater role in vegetative pollination. Also honey bees give very sweet and delicious honey. So honey is very important for human being, because it useful for curing many deceases. Some insets are not so useful for nature. As we have seen mosquitoes are responsible to spread different types fever in human being. Some insets, birds, herbivorous, carnivorous depend on one other for food purpose. So to maintain food chain all living organism are important for nature. If we lose any living organism there may be side effect for of nature and for *Homo sapience*.

As we know today nilgais are destructive for agricultural crops. Why did it happen? Do you know? Already we have lost majority of wolves and almost Chita from nature. So if we lose any living organism there may be great side effect on other living organism. This way all living organism are important for balancing of nature. So let us take pledge to conserve the nature.

## **4. Oral Presentations and Poster Presentations**

Nature Club had organized Poster presentation and oral presentation competition on 21-9-2011 on the theme of Nature and World. Three ranks each were allotted in Poster Presentation competition and Oral Presentation Competition. Mr. Jagrut (Maths) and Mr. Ravi (Physics) were the judges for the Oral presentation. Mr. Jay (Librarian) and Mr. Usmangani (Microbiology) were judges for Poster competition. Topics in Oral presentation were Biodiesel using jethropha, Green house effect and Conservation of Biodiversity.

Winners- Oral and Poster Presentation

### **Oral Presentation**

First: Monika Singh

Second: Shailesh Bhalara

Third: Shailesh Bhalara

### **Poster Presentation**

First: Anjani Dhrangadhariyani & Shailesh Bhalara

Second: Poulomi Ghosh & Mayur Sagalani

Third: Swati

### **5. Bird Watching**

Bird watching is one of the common hobbies of many nature lovers. Prior to the bird watching in the field Does and Don'ts for birding were discussed in detail. Bird watching DVDs were also shown to the students in college's Audio-visual room like Wind migration, Born to Fly and other Video clips from National geography, BBC and Discovery. On September 24, 2011 the Nature Club organized a Nature Education and Bird Watching Program at nearby campus and at Kirasara Viddi, which is known to harbor large congregation of Monsoon Migrants. Hundreds of birds of around 42 species were observed. The birds were in breeding plumage as monsoon season was at its best. Nine students participated in the event. The trip resumed at 6 am and we reached at 8 am. A trekking of about 8 km was a bliss as we enjoyed the intimacy with nature in the green meadows. All participants returned with colorful memories of flying jewels of our earth.

### **6. Zoo Guide in Praduman Park Zoo during**

Rajkot Zoological Park (Praduman Park Zoo) and Wild life conservation trust jointly organized 'Wild life Week' from October 2-8, 2011. Interested students had taken part as Zoo guide. As remuneration, the zoo guide were given some gifts like Pen drive, a Kit, CDs & DVDs on Wildlife etc. as per zoo guide's contribution to the event. Students from Science, Commerce and arts had participated in the event. It was really a learning experience for the students. Total eight students were given their service as a Zoo guide under guidance of Mr. Jatin Raval and Mr. Bhargav Bhatt (Zoo curator, Praduman Park Zoo Rajkot)

### **7. Snake Awareness Program and Guest Lecture on Snakes**

On December 08, 2011, Students of Christ College were visited and given a special expert lecture on snakes by Mr. Atman. Mr. Atman is a Ex nature club member and student of Christ College. First the difference between Poisonous and non poisonous snake were discussed with key to identify them easily. Sir has given details of Cobra, Rat send Boa, Kukri, Krait, Russell's earth Boa, Checkered Kill back, Python, Rat snake, and many other local snakes. Jatin sir had given details of Antivenin and First aid treatment for snake bite. The event was very interactive and demonstrative.

### **8. Nature Education Tour (National Himalayan Winter Tracking Expedition, Dalhousie)**

Nature club has organized a winter trekking expedition from December 26, 2011 to January 05, 2012, the peak winter season. Total 41 students along with faculty members participated in the trekking expedition.

We reach to Dalhousie, a hill station in Himachal by taking a train from Ahmedabad to Pathankot and then by bus or taxis from there onward. There are plenty of options to stay in Dalhousie as this is a hill station catering to tourists coming round the year from the plains. We have on various occasions stayed in the Youth Hostel Dalhousie is located at 6800 feet above sea level so in summers also you get cool weather here. First day of the trek started from Banikhet which is near to Dalhousie. There was no snow but environment was very cold it kept increasing the farther we went towards Lakkadmandi which is about 10 kms from Dalhousie. Three kilometers from Lakkadmandi is the Kalatop Rest House.

The walk from Lakkadmandi to the Kalatop is beautiful and is part of the Kalatop-Khajjiar Reserve forest. For booking the Rest House one has to contact the Divisional Forest Officer, Wildlife, Chamba. Khajjiar lake is saucer shaped surrounded by deodar trees. Over the years the lake has shrunk. It is a really beautiful place which has been a location of shooting of lot of Bollywood films in the earlier years. Khajjiar is also known as the 'Mini Switzerland' of India. The place and surrounding areas is now also a venue for paragliding. At Khajjiar for those who are interested there is horse riding available. The route after Khajjiar towards Chamba is all downhill - in fact too downhill. The route became a bit tortuous as this part of the stretch was not only long but was completely downhill and therefore warmer also. Chamba is located at an altitude of 3268 ft. Overall the trek was enjoyable. On reaching Chamba town we stayed at hotel maintained by the yhai. The main sight seeing places in this ancient town are the Laxmi Naryan temple complex, the Chowgan, Bhuri Singh museum, St Andrew's church. Shailendrasingh Jadeja, Vishal Muliya, Ms. Pintu Bera and Chirantan Rawal mentor students during the trek.

#### **9. Bird Rescue during Uttarayan**

A Bird Rescue program was organized by the Club in the city during Uttarayan (Kite flying festival) from January 12-19, 2012. Student and Staff volunteers actively took part in the activity. Prior to that they were taught about handling of injured bird and first aid treatment in a workshop organized by Nature Club. Lecture was taken on treating and providing first aid to injured bird. News papers gave a wide coverage on the activity by circulating helpline phone numbers. A total of 23 birds were saved by the volunteers of the Club which include Pigeons, Maynas, Doves, and Parrots. A glimpse of press note is provided for ready reference here after. During kite flying festival, (14-15-16<sup>th</sup> January) thousands of birds fall victim to the sharp glass powder coated maanja with injuries on their wings or just about anywhere, bleeding them to death. This festival is one of the most unfortunate man-made disasters for the avian (Birds) community of our city. Christ collage nature club along with NGO "wild saurashtra" organized 'Bird rescue program' since last 3 years during Uttarayan as an effort to save the injured birds from certain death and giving them a survival chance. This is the chance to help the urban bird life. Every one of us can make a big difference in saving life of innocent feather friends. Just give us a call and our volunteer will try to be there at the earliest to help injured bird. Let us all join hand and save the lives of birds.

Following are our help line number: Prof. Jatin V. Raval 9924578875, Dr. Jignesh Pandya 9377960867, Prof. Ravi Mansuriya 9662554020, Dharmesh Makwana 9537710009, Kuldeep chauhan 9979236010, Bhavesh barad 9429817322.

#### **10. Drawing Competition**

Colours of Nature, although cannot be imitated, but can be best expressed on canvas. To bring out the artistic thoughts on Mother Nature, a Drawing Competition was organized on 25<sup>th</sup> February, 2012. The venue was Biology lab. A total of 5 students from all the faculties of the college actively participated in the competition. The topics of the drawing competition were SAVE NATURE and CLIMATE CHANGE. It was judged by Dr. Jignesh Pandya, Assistant Professor, Department of Chemistry. The winners were felicitated with certificates and mementos. Creative minds enjoyed the Drawing Competition and their talent was reflected on the drawing sheets.

### 11. Collage Making Competition

Pollution and habitat loss is the most feared calamity slowly and steadily engulfing our planet earth. It is only because of uncontrolled anthropogenic pressures that creates this disaster. To create awareness on such issues and awakening the hidden artistic talents amongst youth, on 25<sup>th</sup> February, 2012. Collage making competition was held with the theme 'Forest of my Dreams'. Two teams had participated in this event. The venue was held at Biology laboratory. Old magazines, newspapers and chartsheets were provided to the students for constructing collage. Mr. Jatin Raval, Assistant Professor, Department of Biology was the judge of the event. 1<sup>st</sup>, Prize were bagged by following students:

1<sup>st</sup> Prize: Sangeeta Paul (S.Y.B.Sc.), Zeophven Sahoo (S.Y.B.Sc.), Anjani Dave (S.Y.B.Sc.)

### 12. Photography Competition

Students of nature club had participated in Photography competition. The event was very much appreciated by the students. Students have to submit A4 size photographs strictly clicked by them. Theme of competition was "Artistic Nature". Exhibition of photographs of participants held on 29-02-2012.

Both students and faculty members were eligible for participation but no Faculties had enrolled in the competition. Following rules were followed in the competition.

**Rules:** Size of photograph: **A4 Size print**, No limitation on the device being used, photographs must be clicked by participant, No editing allowed except brightening and contrast settings, Details listed above must be submitted with A4 size photograph. Mr. John J. George (Head of Bioinformatics department) had given his service as Judge for the event.

The top three winners announced were

First Prize: Janki Maradiya (S. Y. B.Sc.)

Second Prize: Dharmesh Samani (T. Y. B.Sc.)

Third Prize: Swar Bhatt (F.Y.B.Com.)

### Student involvement in Community Service

- Since last three years, Nature Club members are participating in 'Green Rajkot' project initiated by SSY, Western Railway and Municipal Corporation.
- Nature Club has launched a 'Bird Rescue Campaign' in the city since year 2007.
- Student Volunteers were involved in Seed Collection and Dispersal activity. Seeds of 27 species, some of which are included by IUCN in Red List, were collected by the students and distributed to Forest Department Nurseries.

### Aarohan – the Women's Cell of the College

**Coordinator:** Sr. Daya

**Committee members:** Sr. Alphonsa

Ms. Neha Vanjara

Ms. Jalpa

### Activities organized by the Women's Cell

#### 1. Election of student coordinators

The election of student representatives of the women cell was held on July 02, 2011. The following students were unanimously elected to the post of president, vice president and secretary.

Anjani Dhrangadhariya : President

Ujwala Zala : Vice-President

Neha Pandey : Secretary

They were given an orientation of their role as office bearers and the responsibilities of their offices.

## **2. Inauguration of the women cell**

Inauguration of the women cell was held on July 20, 2011 Principal Rev. Fr. Joseph Vadakedath, chief guest Madam Deepti Sethi Christ Institute of Management Christ College, the coordinators of the cell Sr. Daya, Sr. Alphonsa, Ms. Neha Vanchara, Ms. Jalpa Kotecha, student coordinators Ms. Anjani, Ms. Ujwala, and Ms. Neha Pandey, teaching and non teaching staff, and students were present for the same. The Chief Guest and the Principal were welcomed with a bouquet. The programme was began by a prayer dance by (Nivedita SY B.Sc student), and lighting of the lamp by the chief guest, Fr. Principal, Women's cell Coordinator, student representative followed by Chief guest address, PPT presentation on women cell activities, speech by Rev. Fr. Principal and vote of thanks. The anchoring was done by Ujwala Zala the Vice President of the cell.

## **3. Dance competition**

Dance competition was held on 28<sup>th</sup> September 2011 and there were 7 participants for the same. Anchoring was done by Ms. Anjani the student president of Aarohan.

Jury were welcomed with bouquet by the students. It took an hour to complete the competition. Juries gave their feedback regarding the performance of the students and certain points that needs attention while performing dance on the stage. Juries were given token of appreciation. Student winners were given prizes.

First prize - Priyanka Mukerjee (SY BA),

Second prize - Ms.Monica Singh (SY B.Sc)

Third prize – Ms. Purna Dwivedi (SY B.Sc)

## **4. Guest Lecture**

Guest present – Ms. Geetha Johri IPS, Police Commissioner Rajkot, Rev. Fr. Joseph VA the Principal Christ College, Rev. Fr. Benny, the finance administrator, Prof. A R Dave, Principle Christ Institute Polytechnic, Madam Deepti Shethi, Christ Institute of Management, all the staff and girls students of Christ College. The programme began by the anchoring by MS. Poorna from SY B.SC inviting everyone to the function and inviting specially the guest and the participants. Invoking God's blessings, Prayer dance was performed by Ms. Deepika from SY B Sc. After the prayer dance the guest was welcomed with a bouquet, and Rev. Fr. Joseph, the principal of Christ College welcomed the guest.

Ms Geetha Johri opened her session requesting everyone not to get scared of police or make the kids afraid. She insisted that the 'police are for your service and if you don't take our service we have nothing to do'. Ms Johri spoke on the law that serve women and she gave her personal number as well as those that required very much for every woman.

## **5. International women's day celebration**

International women's day celebration in collaboration with Navjeevan Trust Rajkot was held on March 4, 2012 at Ganjiwada, Rajkot. There were around hundred women gathered from different parts of Rajkot city.

The function began at 2 pm and the chief guests were welcomed in a very traditional way, drum beat, Mangal Kalas, and women dancing in tune with drum beat. With the lighting of the lamp, by Rev. Bishop Gregory, Bhavana Joshi Pura a women activist from Rajkot, Rev. Fr. Thomas Nadakalam, the director of Navjeevan Trust, corporate members (women) and Christ College women cell

coordinator. The chief guests were welcomed with floral garland followed by an oath by women of the self help group. Christ college women cell Aarohan members conducted following games. All the women were very enthusiastic and actively participated in all the games and the winners were given prizes by Aarohan Christ College.

#### **6. Women's day celebration**

All the Christ college girl students and female staff were present for the celebration of women's day celebration in the college conducted by Aarohan women's cell, Christ College. The programme began by informal welcome by Anjani the president of Aarohan, followed by a prayer song by Meena (SYBA). There were dances performed by some of the students and female staff (Ms. Rakheemol, Ms. Sheela). Ms. Tisha Roy faculty of English Department gave an inspiring speech on the role of women through a Power Point Presentation. She emphasised the need of completing the different stages of life successfully in order to have fulfilment in life and to better ones own life. Then some of our peons sang their traditional songs. There was a movie called BOL was played and the entire movie was watched by all the participants. There were enthusiasm and interest in everyone who gathered for the program. Certificates were distributed to those students who won for the dance competition. The programme concluded with refreshment for all the participants.

#### **National Cadet Corps [NCC]**

##### **Staff Co-ordinators:**

Coordinator : Lt Vishal Muliya  
Animator : CTO Pintu Bera

##### **Office bearers 2011-12**

###### Senior Division

SUO Suresh Baldaniya  
UO Mit Viroja  
UO Jadeja Pusparajsinh  
CSM Tushar Bhuva

###### Senior Wing

SUO Gopi Trivedi

#### **Events of the year**

##### **1. Orientation programme 30/06/2011 and 02/07/2011**

Orientation programme for the new students were organized. Information about NCC, benefits of NCC etc were presented by Lt Vishal Muliya. Sr cadets shared their experience with new comers and motivated them. A motivational speech was given by Fr. Joseph VA, Principal.

##### **2. Selection of Cadets**

Selection of New Cadets were held on 08 July 2011 on parade ground. Selection were done on the basis of physical capability in first round and finally by personal interview. Physical test were conducted by JCO of NCC unit and interview were conducted by NCC officer.

##### **3. Oath taking ceremony**

Oath taking ceremony was held on 25<sup>th</sup> July, 2011 for newly joined cadets as well as senior cadets. Welcome speech was given by Lt Vishal Muliya, Motivational speech was given Fr Joseph.

**4. Kargil Day Commemoration: 26<sup>th</sup> July, 2011**

As per the tradition of Christ College, Rajkot Kargil day was celebrated by organizing bike rally. Rally was initiated from Christ College by waving the green flag by Lt Col Shyamlal L. Sharma, Commanding Officer, 2 Guj Battalion NCC, Rajkot and Fr. Joseph. It passes from saurashtra university campus, Kidney Hosepital, Panchyat Chowk, Indira Circle, Mahila college bridge, Bahumali Bhavan and reported to 2 Guj Bn NCC. Dr M K Padaliya, ProVice Chancellor, Saurashtra University appreciated the cadets and offered garland to tricolor. Cadets were appreciated by Mr Mamtora, I/C Registrar, Saurashtra University, Rajkot.

**5. Independence day: Flag Hosting 15<sup>th</sup> August 2011**

Independence Day was celebrated by hosting the flag. NCC cadets saluted the flag and sung national anthem. Fr. Benny inspired the cadets by giving motivation speech.

**6. Blood Donation Camp 10 September, 2011**

Blood donation camp was organized on 10 September, 2011 in Chrsit campus. Prof. A.R. Dave, Principal of Christ Polytechnic Institute, Rajkot and Dr. Dipti Sethi , Principal, Christ institute of Management visit the camp site and appreciated the donors. 108 units of blood were donated by stake holders of Christ Campus.

**7. Salutation to New VC of Saurashtra University 20 Oct 2011**

It is the tradition of Saurashtra University to welcome new Vice Chancellor by felicitation programme. Dr. M K Padaliya was selected as new VC and the programme was held in campus of Saurashtra University. In this programme VC is escorted and Saluted by cadets of NCC. 75 Cadets along with NCC officer participated in the programme.

**8. AIDS Awareness rally 01 Dec 2011**

AIDS awareness rally was organized as part of world aids day by 2 Guj Battalion, Rajkot and cadets of Christ college were detailed along with ANO. 40 cadets participated actively. Rally was started from battalion and passed through various areas of Rajkot.

**9. Visit to Sandhan-BISAG studio, Gandhinagar for making documentary of NCC in Christ College 24 Dec 2012**

Sandhan is an educational channel initiated by Dept of Education, Govt of Gujarat. Every Saturday a programme is released named as "MAGIC BOX", containing special activity/event related to higher education. A documentary of NCC in Christ College, Rajkot were made with the help of Lt Vishal Muliya, CTO Pintu Bera, SUO Dilip Palai, SUO Bhargavrajsinh Vala, UO Mayur Virda, SUO Gopi Trivedi, UO Nikita Thakur.

**10. Republic day Celebration 26<sup>th</sup> January 2012**

Republic day was celebrated in grand way. Fr Jacob, Vicar General, Bishop house was chief guest. The sword of Honor was given to chief guest. March past, stunt show etc was presented by cadets. Inspirational speech was given by Fr Jacob. Vote of thanks was given by Fr. Joseph VA, Principal, Christ College

**11. Service by Cadet for Pulse Polio Programme, a vaccine Drive by Govt of India**

18 Feb 2012 was selected for pulse polio programme, a vaccination programme for society. 12 cadets participated in this programme. Cadets were given training from 15<sup>th</sup> to 17<sup>th</sup> Feb by PHC unit of PDU hospital of Rajkot. Cadets were deployed for vaccination porgramme at different booth at various public places

**12. National level camp by cadets**

No.	Rank	Name	Camp
1	SUO	Baldaniya Suresh	SSB Course 2/2011, OTA Kampttee, Maharashtra From 09-19 Oct 2011
2	Cdt	Rushi Bhalodia	Introductory Snow Skiing Camp, Indian Inst. of Skiing & Mountaineering, Gulmarg/Srinagar From 10 to 25 Mar 2012
3	Sgt	Kirtik Limbasiya	NIC –III (Guntur Group), Guntur From 07 to 18 Jan 2012
4	Sgt	Gohil Amitsinh	NIC –III (Guntur Group), Guntur From 07 to 18 Jan 2012
5	SUO	Baldaniya Suresh	Army Attachment Camp, Jamnagar 17 to 29 August 2011
6	UO	Jadeja Pusprajsinh	Army Attachment Camp, Jamnagar 17 to 29 August 2011
7	Cdt	Bhimani Mishal	Army Attachment Camp, Jamnagar 17 to 29 August 2011
8	SGT	Bhuva Tushar	Advanced Leadership Camp 6 Dec to 17 Dec,2011
9	SGT	Gohil Valkubhai	Advanced Leadership Camp 6 Dec to 17 Dec,2011
10	SUO	Ritu chauhan	All India Trekking Camp, Uti 5 to 20 May 2011
11	LCPL	Anjali Sinha	All India Trekking Camp, Uti 5 to 20 May 2011
12	CDT	Meera Bhadania	All India Trekking Camp, Uti 5 to 20 May 2011

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

**20. Teaching – Non-teaching staff ratio: 1:1**

**21. Improvements in the library services**

Christ College Library is enriched with around 7800 books in all the disciplines such as Science, Arts, Commerce, BBA, BCA, General Knowledge etc. College also subscribes more than 75 national and international journals and periodicals in all the disciplines. The unique feature of library is the special section of CD library, which has more than 2000 CDs on various subjects. The college library is also a member of various libraries of national and international reputed institute.

It is a large and well-maintained section. It has a separate reading room cum circulation counter, a separate periodical and CD section, a photocopy room, a library staff room, etc.

It also provides specialized services like Current Awareness Services (CAS), Selective Dissemination of Information (SDI) etc. to support research work of the staff as well as students. It also provides such kind of services like the book bank facility, membership to ex-students and separate section consisting of projects and review writing submitted by students.

**A new Network Resource Center, with ten latest computer systems and one multi-function printer, has been set up in the College Library.**

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

The following documents have been purchased and the record is maintained by the library.

- The total number of books : 405
  - Purchased : 401
  - Complimentary copies : 04
- Journals, Periodicals and Newsletters : 075
- Compact Disk : 140

### Details of Books Purchased

Sr. No.	Subject	Budget Allocated Rs	No. of Books Purchased	Budget Utilized Rs
1	Biology	10,000	-	-
2	Microbiology	20,000	06	11,731
3	Biotechnology	20,000	13	27,092
4	Bioinformatics	20,000	10	26,953
5	Chemistry	15,000	34	31,996
6	Mathematics	5,000	18	4,401
7	Physics	10,000	09	13,528
8	Physical Education	5,000	-	-
9	Computers	15,000	141	40,710
10	Commerce	20,000	64	12,905
11	Management	20,000	53	12,358
12	English (Arts)	10,000	51	16,893
13	General	30,000	2	1,544
14	Reference	50,000	61	51,723
	Total	2,50,000	401	2,51,834

## 23. Courses in which student assessment of teachers is introduced and the action taken on student feedback

The College has a practice of collecting students' feedback for all the courses offered. The Feedback Committee of the College coordinates the feedback procedure.

### Members of the Committee

- Fr. Joseph V. A. cmi ( Chairperson)
- Dr.P.Aravindakshan ( Coordinator)
- Mr. Parag Rughani ( Member )
- Mr. Prakash Khagram ( Member )
- Mr Anand John ( Member)

For the Academic year 2011– 2012, the feedback was taken in two parts:

- Feedback about the functioning of the college and the teaching competency of staff members by the students.
- Feedback about the functioning of various departments and the college by the staff.

Feedback on the functioning of the college and the teaching skills of staff members were taken in the month of October 2011. The data were analyzed and the results were submitted to the Principal for further action. It has been found that most of the staff members are exceptionally good at teaching. As in any other profession some are not able to come up to the expectations. Individual counseling session was arranged for those who did not meet the expectations.

**24. Unit Cost of Education:**

Total Expenditure: Rs. 3,15,03,174

Total No. of Students: 926

**Unit Cost of Education: Rs. 34,020**

**25. Computerization of Administration and the Process of Admissions and Examination Results, Issue of Certificates**

- The administrative system and functioning of the College is computerized.
- The Admission Process is computerized from the sale of admission forms to the receipt of fees, allocation of class and issue of ID cards.
- The Examinations Procedure is not computerized. However the preparation of results is computerized.
- Issue of all certificates through the administrative office is computerized.

**26. Increase in the Infrastructural Facilities**

All the departments and administrative units of the College are well-equipped with the infrastructure as per the requirement of the curriculum and administrative functions.

**New books/journals subscribed and their value**

The following documents have been purchased and maintained by the library.

➤ The total number of books	:	405
Purchased	:	401
Complimentary copies	:	04
➤ Journals, Periodicals and Newsletters	:	075
➤ Compact Disk	:	140

**27. Technology Upgradation**

- A new Network Resource Center, with ten latest computer systems and one multi-function printer, has been set up in the College Library.
- New Laser Printer - Examination Committee
- New Color Inkjet Printer – Purchase Committee
- Two multimedia Projectors – Classroom Teaching

**28. Computer and Internet Access and Training to Teachers and Students**

Christ College Campus is Wi-Fi enabled. Internet connectivity is available in all the departments through wired and wireless connections.

Student terminals are provided through the wired connections in the library. The students have an access to the internet through these students' terminals as well as through the wireless connectivity on their lap-tops.

Almost all the staff members are well-versed with the use of computers and its applications. However, in-house training programmes are conducted for the staff and students as and when required.

#### **29. Financial aid to students:**

- **Fee Concession**

As a part of the student welfare programme, Rs 186365 was given to the students during the year 2011-2012

- **Scholarships to Catholic Students**

A total amount of Rs.165000 was given to students of the College during the year 2011-2012

- **Merit cum need Scholarship to Students**

A total amount of Rs.233260 was given to students of the College during the year 2011-2012

- **Students - Insurance**

A total amount of Rs.164167 was claimed as insurance by the students of the College during the year 2011-2012

#### **30. Activities and support from the Alumni Association**

The activities conducted by the Alumni Association were as follows:

##### **1. Formation of Executive Board**

A meeting of the members of Alumni Association was held on November 27, 2011. So far, there used to be three positions i.e. President, Vice President, and Treasurer. Instead of three hierarchical positions it was decided that an executive board should be formed for efficient function of the association. It was also decided that the board should comprise the alumni and existing third year students. The members in the executive board were selected in the meeting. The detailed of the executive board is as follows:

##### **Executive Board members-Alumni:**

- Mr. Kartik Chauhan
- Mr. Nishit Parekh
- Mr. Ajayraj Zala
- Mr. Jaydeep Tanna
- Mr. Chintan Vyas
- Mr. Vikram Raval

##### **Executive Board members Current Students:**

- B.A. - Fiona Pereira
- B.C.A. - Femy Francis
- Microbiology - Kavan
- Physics - Joanna Philips
- Mathematics - Nishant Kapupara
- Biotech - Harin Aghera
- B.B.A. - Sandeep Gajjar
- B.Com. - Neha Murthy

##### **2. Half-day picnic**

Alumni Association of Christ College, Rajkot organized a half-day picnic for the alumni of the college on March 04, 2012. The picnic included informal get together, games and followed

with dinner. The students were informed through e-mails, messages and press note in addition to informal channels responding to which, 82 students registered themselves for the same. At the venue, three games were planned after informal get together of all the students. These games were Bollywood housie, Golden Square and Queen of Sheeba. Almost all the present students took part actively in games: Bollywood Housie, Golden Square & Queen of Sheeba. After the games and get together, all students had dinner which was followed by dance where all of them enjoyed and recalled their college day's memories.

### 3. **Karia- Kotecha Fellowship**

Alumni of Christ College, Ms. Dimple Karia and Mr. Abhay Kotecha have donated a sum of Rs. 10,000 to award fellowship of Rs. 5000 each to two students - one each from the Bioinformatics and Biotechnology Departments. For the year 2011-12, the following students were awarded the fellowship

Shivangi Khatri - TYBSc Bioinformatics

Jhala Ujjwalakumari - SYBSc Biotechnology

### **31. Activities and support from the Parent-Teacher Association**

The Parent Teacher Association of the College organized the general body meeting on August 07, 2011. The agenda of the meeting was formation of the executive committee and discussion on the various aspects of the College as well as the role of parents in the development of the College. Dr. S.P. Singh, Head, Department of Bioscience and Mr. J.P. Singh a member of the association delivered a talk on 'The Role of Parents in Higher Education.'

The executive board was selected

President : Dr. S.P. Singh (Parent)  
Vice President : Mr. Paresh Joshi  
Secretary : Mr. J.P. Singh (Parent)  
Joint Secretary : Dr. Sushmita Ganguly

Executive Members

- Mr. Vinod Kumar
- Mr. Viral Vaishnav
- Mr. Binod Sahoo
- Mr. John Georrgie
- Mr. Usmangani Tabani
- Ms. Daphne Fernandes

### **32. Health Services**

The emergency care unit of the College provides timely medical assistance at Christ Campus. The ECU arranged the blood donation camp on September 10, 2011, in association with the NCC unit of the College. 108 units of blood were donated.

### **33. Performance in Sports Activities:**

Sports and Games add to the all round development of an individual and for cultivating a healthy competitive spirit. Besides, they provide a diversion from the usual academic activities and thus, keep the students active and interested in other college activities too. The Sports Club of the College organizes inter-class as well as inter-faculty competitions. The winners are selected to represent Christ College at the inter-college competitions.

Sports Club also has different clubs for games like Table Tennis, Chess, Carom, Cricket, Football etc. It is a voluntary group formed of the regular players of the games.

### Objectives

- To organize all the sports events of the College.
- To select and train the students for sports competition at the district, state and national levels
- To prepare for the participation in many sports competitions – football, basketball, volleyball, cricket, tennis, soft ball, badminton, kabbaddi, kho-kho and athletics
- To organize coaching camps - football, basketball, volleyball, cricket, tennis, soft ball, badminton, kabbaddi, kho-kho and athletics

The activities of the sport club are coordinated and efficiently managed by staff coordinators as well as student coordinators.

### Activities conducted

**Coaching Camps** were organized to train students for participation in various tournaments: Cricket, Basket Ball, Softball, Foot Ball, etc.

### Participation in various University Level (Inter-college) Tournaments

No.	Event (Inter-college)	Venue	Date	Outcome
1	Table Tennis Tournament	Summer Club organized by SVET College, Jamnagar	30/07/2011	University Champion Manwani Dhiren selected for Inter-university Tournament at Nagpur
2	Badminton Tournament	M.P.Shah College, Surendranagar	10 & 11/08/2011	
3	Kabddi Tournament	MPed Dept Saurashtra University	60/08/2011	
4	Softball Tournament	PDM College, Rajkot	16/10/2011	Tanna Dhaval & Chudasama Mohitrajsinh selected for Inter- university Tournament at Ganturt
5	Basketball (Boys) Tournament	Sakhida Arts College, Limbdi	04/09/2011	University Runners-up Sampat Paras selected for Inter-university Tournament at Jodhpur
6	Basketball (Girls) Tournament	MVM Science College, rajkot	03/09/2011	Jadeja Ilaba & Bagga Vinni selected for Inter- university Tournament at Bansthali
7	Cricket (boys') Tournament	Saurashtra University Cricket Ground	16/10/2011	
8	Volleyball Tournament	Somnath Arts College, Kodinar	1 & 2/09/2011	

9	Cricket (girls') Tournament	Saurashtra University Cricket Ground	20/10/2011	Jadeja Mrudulakumari selected for Inter- university Tournament at Bansthali
10	Athletics Meet	Saurashtra University Athletic Track	10/12/2011	
11	Football Tournament	Virani Science College, Rajkot	15 & 16/09/2011	Nathwani Shravan, shah Chintan & Bolim Zahir selected for Inter- University Tournament at Bhopal
12	Hockey (Boys) Tournament	Sakhida Arts College, Limbdi	24/09/2011	Rana Divyapalsinh selected for Inter- University Tournament at Sagar
13	Hockey (Girls) Tournament	MVM Science College, rajkot	28/09/2011	Gohel Brinda selected for Inter- University Tournament at Jodhpur

### In-house Tournaments Organized

The Sports Club of the College organized an inter-class Cricket Tournament 11 teams participated in the Tournament (January 2012)

#### Result

Winner	:	Lion Heart, TYBCom
Runners Up	:	Bindas BBA, FYBBA
Man of the Series	:	Sunnel Nair
Man of the Match	:	Chudsama Mohitrajsinh
Best Batsman	:	Shabbir Mohammad
Best Bowler	:	Chudsama Mohitrajsinh

### 34. Incentives to Outstanding Sportspersons

Outstanding sportspersons are given an opportunity to participate in various sporting events. Camps and training programmes are arranged to prepare students for the events. Students are given a relaxation from the academic schedule in order to attend practice sessions.

At the end of the academic year the Sports Club organized a '**Felicitation Day**' to felicitate all those students who have achieved success in various sports and games and have brought laurel to the College.

The outstanding sportspersons were felicitated with certificates, trophies, mementoes and gifts.

### 34. Student Achievements and Awards

#### University Rankers – Saurashtra University Examination March / April 2011

Third Year students securing positions among the top ten in Saurashtra University Examination held in March/April 2011 were felicitated with a cash award of Rs. 5000 each.

No.	Name of the student	Department	Position	%
1	Parul Lalani	Mathematics	First	83.85 %

2	Sheethu V. Mohan	Physics	Fourth	82.14 %
3	Panicker Ashish	Physics	Seventh	81.0 %
4	Manek Bhandi	Computer Science	Ninth	78.9 %

### TY College Toppers

The top scorers of College at the **Third Year Examinations** of Saurashtra University March / April 2011 Examinations were felicitated with Gold Medals and Certificates.

No.	Class	Name of the Student
1	TYBSc Biotechnology	Pooja Debnath
2	TYBSc Microbiology	Dayon Thomas
3	TYBSc Computer Science	Manek Bindi
4	TYBSc Chemistry	Miral Lunagariya
5	TYBSc Physics	Sheethu V Mohan
6	TYBSc Mathematics	Parul Lalani
7	TYBCom	Rishita Lalani
8	TYBBA	Jasani Priyanka D
9	TYBA	Sneha Patel
10	BCA [Aggregate]	Sheethal John
11	BSc Bioinformatics [Aggregate]	Nair Shreeja Rajendran

**Special Awards:** The College has also instituted several awards for the outstanding performance of the students of the College.

No.	Award	Name of the Student
1	Budding Scientist (Science Faculty)	Mr. Shailesh Bhalara
2	Innovative Entrepreneur (Commerce & Mgt)	Ms. Neha Murthy
3	Talented Creative (Arts)	Ms. Priyanka Mukherjee
4	Computer Mastermind (Computer)	Mr. Vishal Channar
5	The Most Regular Student (Science Faculty)	Mr. Rijo Antony
6	The Most Regular Student (Commerce Faculty)	Mr. Yogendra Pal
7	The Most Regular Student (Management)	Mr. Parekh Agam
8	The Most Regular Student (Arts Faculty)	Mr. Vishesh Bara
9	Excellence in Leadership	Ms. Pooja Chandanani
10	Best Anchor of the Year	Ms. Ishita Shah
11	Best Male NCC - Cadet	SUO Dilip Palai
12	Best Female NCC - Cadet	SUO Purna Dwivedi
13	Sportsperson of the Year	Mr. Sampat Paras

**Achievements – TechArena 2012 organized by Department of Computer Applications, Christ College, Rajkot on January 29, 2012**

- Ms Swati – First Prize Poster Presentation competition
- Mr. Pradeepsinh Jadeja - Second Prize Poster Presentation competition
- Ms Swati – First Prize C-Programming competition

**External Competitions - Achievements**

**Papers Presented**

No.	Name of the student	Title	Place and Date	Organised/ Conducted by	Level
1	Ms. Yashvee Dodhiwala	Role of Central Banking	Mehsana 23-24 January, 2012	V.M Patel Institute of Management and Centre for Management studies – Ganpat University in association with Victoria University, Australia	International
2	Ms. Yashvee Dodhiwala	A study of Merchant Banking in India			
3	Ms. Priti Raval	Corporate Governance			
4	Mr. Pratik Karia	Role of Central Banking			
5	Mr. Pratik Karia	Mergers and Acquisitions			
6	Ms. Malanie Preston	Corporate Governance			
7	Ms. Solomi Jogiah	E- Banking			
8	Ms. Solomi Jogiah	Comparative Study of Direct and Indirect Taxes in India			
9	Mr. Pratik Karia	e-banking			
10	Ms Yashvee Dodhiwala	E Accounting	Rajkot 28 January, 2012	Department of Commerce and Business Administration, Saurashtra University, Rajkot	National
11	Mr. Yash Hinduja	Corporate Governance			
12	Mr. Pratik Karia	Performance Measurement techniques	September 24, 2011	Department of Business Admin. G.K. and C.K. Bosamia Arts and Commerce College Jetpur and Dept of Business Management, Saurashtra University	State
13	Mr. Murtuza Makda	Risk Management	September 24, 2011		
14	Mr. Pratik Karia, BBA Sem IV	Performance Measurement techniques	20-21 January, 2012	Sankalchand Patel College of Engineering, Visnagar, Gujarat	National

## Achievements

### 5<sup>th</sup> National Level Science Symposium 2012 organized by Christ College, Rajkot and sponsored by GUJCOST, Gandhinagar on March 18, 2012

- Ms. Joanna Phillips, Ms. Kirti Bhalala, Ms. Saloni Shah & Ms. Purva Mehta - First Prize Poster Presentation Competition (Physics)
- Ms. Lenity Thomas - Second Prize Poster Presentation Competition (Physics)
- Ms. Joanna Phillips - Second Prize Oral Presentation Competition (Physics)
- Ms. Nikita Juthani – Second prize Oral Presentation Competition (Statistics)
- Mr. Hemang Raithatha – Second prize Oral Presentation Competition (Mathematics)
- Mr. Murtuza Makda – First Prize, Electronic Paper - Project – IT
- Swati – First Prize Poster Presentation Competition (Computer Science)
- Swati – First Prize Oral Presentation Competition (Computer Science)

### Co-curricular Activities – Achievements

- Ms. Pooja Kariya, Ms. Lenity Thomas, Ms. Neekita Thakur, Mr. Darshit Trivedi, SYBSc were selected for the Three Weeks residential Advanced B.Sc, Summer Research Programme from 14<sup>th</sup> May – 3<sup>rd</sup> June 2012 conducted by Vikram Sarabhai Community Science Center Ahmedabad, Gujarat Council of Science City [DST] & Gujarat Science Academy[GSA]
- Ms. Joanna Phillips, TYBSc Physics, won the Third Prize in 23<sup>rd</sup> All India Essay Contest on Nuclear Science & Technology organized by Government of India, Department of Atomic Energy in October 2011
- Saloni Shah & Ashish Kochuparampil, TYBSc Physics, published articles in Gujarati IAPT bulletin PRAGAMI TARANG, Vol. III, August 2011, published by Indian Association of Physics Teachers, RC-7
- 23 BSc students participated in Prof. A.R. Rao Mathematics Competition-2011 at Virani Science College, Rajkot, organized by Saurashtra university, Rajkot
- Sanket Badiyani participated in the inter collegiate quiz competition 'Quizofever-2012-The Brain Trigger' organized by MBA department, Atmiya Institute of technology and science on February 02, 2012
- Ms. Pooja Chandanani, Ms. Solomi Jogaiah, Ms. Malanie Preston, Ms. Nikita Juthani, Mr. Ravi Ranpara, Mr. Ravi Kataria, Mr. Chintan Raiyani, Mr. Akash Parekh, TYBBA, stood first in Movie.making competition organized by G.L.S.Institute of Business Administration, Ahmedabad on September 14, 2011
- Mr. Pratik Karia, BBA Sem III, stood second in State Level Paper presentation Competition organized by Department of Business Administration G.k. and C.K. Bosamia arts and Commerce College, Jetpur and Department of Business Management, Saurashtra University on September 24, 2011
- Ms. Nikita Talreja and Ms. Nikita Juthani, BBA Sem IV stood second in Finiksha a state level event organized by R.D. Gardi Department of Business Management, Saurashtra University, Rajkot on February 23, 2011.

- Mr. Murtuza Makda, BBA Sem II, stood third in AD Mad Show, a state level event Espirit 2012 organised by MBA Department, Gardi Vidyapeet, February 17-19, 2012
- Swati, BCA, stood Second in Poster in TechnoAstrum, a State Level event organized by NVPAS VV Nagar
- Swati, BCA, stood First in InfoPoster, and first in InfoMania at a National level event organized at Jamnagar on March 10, 2012
- Swati, BCA, stood First in Poster in VIVIDHA – A National Level Meet, organized by Department of Commerce & Business Administration, Christ College, Rajkot on September 17, 2011
- Swati, BCA, stood First in Extempore organized by Science Club on 04/02/12
- Swati, BCA, stood First in Poster organized by Science Club & Dept. of Micro Biology on December 22, 2011.
- Swati, BCA, stood First in Essay Writing organized by Science Club on March 14, 2012
- Swati, BCA, stood First in Sci-toon organized by Science Club on March 14, 2012
- Swati, BCA, stood First in Poster 2 organized by Nature Club on September 21, 2011

### Extra-curricular Achievements

#### Saurashtra University Youth Festival 2011-2012

Students of the College participated in the Saurashtra University **North Zone Youth Festival** and the winners were selected to participate in the **Inter-zone Youth Festival**. The winners were felicitated with certificates and mementos.

#### **Ms. Swati**

- First in Cartooning – Inter-zone Youth Festival
- First in cartooning – North Zone Youth Festival
- Second in On the Spot Painting – North Zone Youth Festival

#### **Kuzhipara Sandeep V**

- First in Western Group Song – Inter-zone Youth Festival
- Second in Western Group Song – North Zone Youth Festival

#### **Kataria Ravi**

- First in Western Group Song – Inter-zone Youth Festival
- Second in Western Group Song – North Zone Youth Festival

#### **Jibin Jacob**

- First in Western Group Song – Inter-zone Youth Festival

#### **Justine Raju**

- First in Western Group Song – Inter-zone Youth Festival

#### **Karia Pratik**

- Second in Western Group Song – North Zone Youth Festival

### Sports Achievements

Sr.no.	Name of the student	Achievement	Organised/ Conducted by	Level
1	Ms. Vishwa Sooru, BBA Sem 1	Gold medal in Shooting Championship, Category ISSF( Junior)	Gujarat Sports Authority	State
		Gold medal in Shooting Championship, Category ISSF( Women)	Gujarat Sports Authority	State
		Gold medal in Shooting Championship, Category Civilian( Junior)	Gujarat Sports Authority	State
		Gold medal in Shooting Championship, Category Civilian( Women)	Gujarat Sports Authority	State
		Represented Gujarat team at National Shooting championship		National
6	Mr. Murtuza Makda, BBA Sem II	Silver Medal in Basket Ball Competition, 29.1.2012	Saurashtra University, Rajkot	State

### National Cadet Corps – Achievements

#### NCC - Participation at National Level Camps

- Mr. Tushar Bhuvra, BCom Sem III, Dec 6-17, 2011-Advanced Leadership camp organized by N.C. C. Directorate, Gujarat held at Bhuj
- Mr. Amitsinh Gohil, BCom Sem IV, Jan 7-18, 2012 -National Integration Camp organized by N.C.C. directorate, Andhra Pradesh held at Acarya Nagarjuna University, Guntur
- Mr. Kirtiksinh Gohil, BCom Sem IV, Jan 7-18, 2012- National Integration Camp organized by N.C.C. directorate, Andhra Pradesh held at Acarya Nagarjuna University, Guntur
- Mr. Rushi Bhalodia, BCom Sem II, March 10-25, 2012-Introductory Snow Scheme Course organized by Indian Institute of Skiing and Mountaineering, Gulmarg, Jammu and Kashmir
- Mr. Rushi Bhalodia and Mr. Tushar Bhuvra, BCom Sem II and IV respectively participated in Polio Drive in March, 2012 organized by Government of India
- Ms. Neekita Thakur & Ms. Gopi Trivedi, SYBSc , cleared NCC 'B' Certificate Examination - 21/09/2011
- Ms. Gopi Trivedi, SYBSc selected as Rashtrapati Guide by Bharat Scouts & Guides - 23/09/2011
- Suresh Baldaniya-SYBSc attended OTA - 09/10/11 to 19/10/11
- Suresh Baldaniya-SYBSc attended Army Attachment Camp - 17/08/11 to 29/08/11

### Expeditions & Camps

- Gopi Trivedi - SYBSc, Harin Aghera, Punit Bamania, Arvind Dhadhal and Sanket Badiyani - TYBSc Mathematics successfully completed the National Himalayan Winter Trekking

Expedition at Dalhousie, organized by Youth Hostels Associations of India [YHAI], during Dec 2011-Jan 2012

- Harin Aghera attended a nature camp held at Panch Marhi from June 17-23 2011

### 35. Activities of the Guidance and Counselling Unit

Counselling is a process that focuses on enhancing the psychological well-being of the client, such that the client is then able to reach their full potential.

**Psychological well-being** is achieved by the counsellor facilitating personal growth, development, and self-understanding in the client, which in turn will empower the client to adapt more constructive life practices. The counsellors work in a problem-solving manner with the particular issue.

#### Objectives

1. To enhance the client to bring out the enormous capacity for growth
2. To help the client to search for strengths, positives and powers within
3. To rewrite and rethink old stories in new perspectives
4. To facilitate new behavioural actions

In the beginning of the academic year all the students are given an orientation about counselling and they get an opportunity to interact with the counsellor in the class room or outside the class room. Hence rapport is gradually established and this enables the students to have confidence in the counsellor and share freely and openly.

Students come regularly for the counselling and they do come for the follow up sessions. The timing for the counselling is from 12 pm to 2 pm in the afternoon. Students usually take prior appointments or they do come as and when they need counselling.

### 36. Placement services provided to students

The Career and Placement Cell of the College organizes seminars for students to prepare them for resume writing, give them information about the latest trends in corporate recruitment and help them develop right attitude for growth in an organization.

#### Seminars:

#### 1. Education Opportunities in UK. British Council

On 25 – 09 – 2011

By Ms.Rupal Parikh, Representative of the British Council, (an agency set up by the British Embassy in India)

Attendance 14 students. (From all the faculties of the college)

#### 2. Summer Job Opportunities in the US (J1 Visas)

On 06 – 09 – 2011.

By: Mr. Kishan Patel, Executive, Taj Global Connections, Ahmedabad.

The seminar was proposed for the students of FY and SY of all faculties.

Attendance 38 students. (From all the faculties of the college)

#### 3. Procedures for UPSC and GPSC Exam Preparation

On 04 – 02 – 2012.

By: Dr. Ravesinh Zala, CCDC ,Saurashtra University.

The talk was mainly on the procedures for appearing UPSC and GPSC examinations. Guidance for preparation of other competitive examination like Bank Probationary officers, Railway etc

### **Subscriptions to Newspapers**

#### **Subscription of Indian Express:**

The Indian Express Rajkot offered to issue students the Indian Express Newspaper 5 days a week for 6 months starting from first week of August, 2011. The cost of the entire subscription would be Rs. 175/-. There were 33 registrations done including staff members.

#### **Subscription of MINT:**

The MINT offered to issue students the Business standard Newspaper 6 days a week for 6 months starting from first week of August 2011. The cost of the entire subscription would be Rs. 199/-. There were 35 registrations done including staff 2 members.

### **Student Data Collection**

The Career and Placement Cell of the College collected brief data of all the students of final year wanting placements. The data was used to forward to potential employers. Data of 88 students was collected from all the departments.

### **Campus Recruitments:**

The Cell has annually updated computerized database of students who seek jobs. This is made available to companies for recruitment. The Cell also organizes campus recruitments.

#### **1. ESSEN Multipack Pvt. Ltd**

Date: 16-04-2011

Job offered for the post of Field Officers. The selected candidates would first go through a brief on the job training and then would start work. The requirement was for BBA Students and so a brief data of 25 students was passed on to the company. There were no selections made.

**Package:** Rs.8000-10000 + incentive.

#### **2. Exolutions Placement consultant**

Date: 20 – 04 – 2011

Job offered for the post of HR Executives. The nature of the work would be conducting recruitments for the clients of the company. The requirement was only for BBA students. Data of 25 BBA students was sent to the company. 7 students were shortlisted and called for interviews at their office. No selections were done.

**Package:** Rs.8000-10000 p.m.

#### **3. J. V. Group**

Date: 25 – 04 – 2011

Job offered for the post of Marketing Executives. J.V.GROUP, are a broking house in the Securities, Commodities and Derivatives Industry. They had 2 vacancies for the above mentioned post for students of BBA or B.Com background. Data of 25 students of the commerce and management department were sent to the company, as they preferred to call the candidates for interviews at their premises. None of the students contacted showed interest and hence no selections were done.

**Package:** Rs.8000+ performance incentives.

#### **4. CEON Solutions Pvt. Ltd.**

Date: 28-04-2011

Job offered for the post of Management / Technical Coordinators. The company is into IT solutions for the education industry. The requirement was for BCA and B.Sc IT students. Data

of 24 BCA and B.Sc. IT students were sent to the company. Very few students showed interest. No selections were made.

**Package:** Rs.10000-12000 p.m.

**5. DSP Black Rock**

Date: 18 – 05 - 2011

Job offered for the post of Marketing Executives. The selected candidates would first go through a brief on the job training and then would start work.

Data of 25 students of the commerce and management department were passed on to the company, as they preferred to call the candidates for interviews at their premises. 2 students appeared for the interviews but no selections were made.

**Package:** Rs.8000-10000 + plus performance incentive.

**6. Tata Consultancy Services**

Date: 07 – 06 – 2011

Job offered for the post of Operations Executives for the BPO business of the company. The eligibility criteria needed was a B.Sc. with mathematics background or BCA with an aggregate of 50% marks in the graduation. The selected candidates would first go through training and then would start work.

8 students applied for the job and appeared for the selection process. The selection process included a written test followed by interviews. It was held at Shree H. N. Shukla College, Raiya Road. 1 student cleared the written test. The selected student did not clear the interview round and so there were no selections.

**Package:** Rs.10000-12000 + plus bonus.

**7. Reliance Industries Ltd. – Jamnagar**

Date: 07 – 06 – 2011

Job offered for the post of Apprentice for the Jamnagar Refinery business of the company. The eligibility criteria needed was a B.Sc. with Chemistry background with an aggregate of 50% marks in the graduation. The selected candidates would first go through training and then would start work. Data of 25 students of the Chemistry Department were sent to the company of which 3 were shortlisted and called for interviews at Jamnagar and have also been offered jobs after the interview.

**Package:** Rs.200000 per annum.

**37. Development programmes for non-teaching staff**

The Non-teaching staff of the College are a part of the faculty development programmes organized for the faculty of the College. Programmes specific to the administrative requirements are conducted by in-house resource persons.

**38. Healthy Practices of the Institution**

- The College offers 11 UG programs under three faculties: Science, Commerce and Arts
- The College is a three-storied building with adequate infrastructural facilities for academic, co-curricular and extra-curricular activities including sports and games. The infrastructure is updated regularly as per the requirements.

- The Wi-Fi enabled campus facilitates opportunities for technological advancement of staff as well as students. The LAN, Christnet, Christweb and Christmail, the internal mailing system of the College, help in fast, easy and secure transfer of data.
- All the departments have a representation on the BoS and thus contribute substantially to curriculum design and development.
- The College adopts a planned academic schedule, and thus ensures systematic and effective implementation of the syllabi.
- The student-centric novel teaching methodologies practiced by the College ensure enduring learning experiences. Learning is imparted through ICT enabled teaching methodologies. The Media Effects Centre of the College facilitates computer aided learning (CAL) processes
- Continuous evaluation of the students is carried out through the class tests and examinations conducted by the College. The results of the examination are conveyed to the parents.
- With the help of CCTV placed in all the classrooms, laboratories and strategic locations on campus, the College monitors and evaluates the performance of the faculty and students and thereby ensures an effective teaching-learning process.
- The College provides an amount of Rs. 100,000 from its own resources annually in its budget to promote research.
- Various extension activities carried out by the College are of social relevance and community service. Programs on Health and Hygiene Awareness, Environment Awareness, etc. and social work are conducted by NCC, Rotaract Club, Nature Club, Cultural Club and Women's Cell of the College in association with various NGOs.
- The College has an effective mechanism for maintenance and optimal utilization of infrastructural facilities. Repairs and Maintenance Cell (RMC) of the College looks after smooth functioning of all the equipments and other infrastructural facilities. Computers Maintenance Cell (CMC) takes care of the ICT requirements of the College. Network Maintenance Cell (NMC) ensures uninterrupted functioning of the LAN.
- The College premises are well maintained through a separate House Keeping Department.
- For the optimal utilization, the College makes its infrastructure available to the University and other external agencies for conducting external examinations, recruitment drives and organizing conferences and workshops.
- The Central Library is computerized, subscribes to DELNET and has an inter-library borrowing facility.
- A canteen facility catering to the needs of the students is managed by the College.
- The Emergency Care Unit of the College maintains a network with local doctors who can be easily accessed in an emergency.
- The Christ Ladies' Hostel situated adjacent to the College premises provides lodging and boarding to more than 100 girl students.
- Activities of Career and Placement Cell provide guidance and counseling to the students and also facilitate the placement of the outgoing students. The College has signed 30 MoUs with various companies and industries for placement and training programs.
- A number of Student Welfare Programmes are organized. Financial aid to students is extended in the form of Scholarships, freships and fee concessions.
- The Felicitation Day is held every year to felicitate the meritorious students of the College. Bishop Gregory award - Best student of the year award- has been instituted since June 2006.

Special awards for outstanding achievements in various fields have been instituted since June 2009

- The Publication Committee of the College annually brings out the updated Prospectus, College Handbook, Syllabus Book and other information material briefing the students and other stakeholders on the practices of the College. Christites' Xpressions, a newsletter, published by the Magazine Committee, provides an update on the events of the College and also gives the students an opportunity to develop literary skills. The Science Club of the College brings out a Science Wall Magazine, SCIWAM.
- The National Level Science Symposium, TechArena for Computer Application students and Vividha, an inter-collegiate competition for BBA & BCom students are conducted annually. The College also conducts inter-collegiate cultural events and sports tournaments
- There is decentralization of administration. HoDs ensure effective implementation of academic activities. Administrative, co-curricular as well as extra-curricular activities are managed by committees, cells, clubs and associations.
- The internal monitoring system evaluates the functioning of all the units of the College. Internal as well as external audits of the various units of the College are regularly conducted. The College is ISO certified and has well defined Quality System Manual, Guidelines, Work-instructions and Procedure Manuals for all the units of the College. The objectives of the College and the extent of their achievement are reviewed at the Management Review meetings and IQAC meetings.
- Financial assistance in form of short term loans is available to the staff through the Christ College Employees' Cooperative Credit Society.
- The College has a specific budget allocation to cover various expenses and thus ensures optimum utilization of finance and also mobilization of resources.
- The College has a suitably framed quality assurance system that achieves continuous improvement of quality and also takes care of the College's quality sustenance measures through IQAC and ISO Coordination Committee.

#### **40. Linkages Developed**

Department has signed MoUs with Envitro laboratory, Cure Clinical laboratory, NEEHIR Organization for students research activity and training and informal collaboration with Animal Biotechnology lab, Anand Agriculture, Anand, Department of Biosciences, Department of Pharmacy and Department of Biochemistry, Saurashtra University Rajkot for faculty research

#### **41. Any other relevant information the institution wishes to add**

- The College is covered under UGC section 12(B) and 2(f).
- Three Minor Research Projects have been sanctioned by UGC
- Three projects for the development of e-content have been sanctioned by NME-ICT under MHRD.
- The College organized the 5<sup>th</sup> National Level Science Symposium sponsored by GUJCOST, Gandhinagar
- The College organized INSPIRE 2012 sponsored by DST, Govt Of India
- The College hosted the North Zone Youth Festival of Saurashtra University for the year 2011-2012

## **PART – C**

**Part C: Detail the plans of the institution for the year 2012-2013**

**A. Institutional Activities:**

At the IQAC meeting it was decided to organize the following activities at the institutional level

- ✓ National Level Workshop for Faculty
- ✓ National Level Science Symposium – Science Faculty
- ✓ National Level Meet: Vividha – Commerce & Management faculty
- ✓ TechArena –Department of Computer Applications
- ✓ Quiz Competition – Arts faculty
- ✓ Felicitation Day
- ✓ Campus Day

**B. Curriculum Development**

- ✓ To introduce new courses at PG level
- ✓ To introduce innovative programmes at the Ug and PG level

**C. Enhance Student Profile**

- ✓ To focus on student-centric teaching process
- ✓ To include activity based learning as a teaching methodology
- ✓ To introduce formal mentoring system
- ✓ To enhance the use of ICT in the teaching learning process

**D. Examination & Evaluation Reforms**

- ✓ Introduce on-line Examination & Evaluation for CCA

**E. In addition to the activities planned at the institutional level, various activities planned by the Departments and Clubs of the College are as follows:**

**Physics Department**

- ✓ Expert Lectures
- ✓ Essay Writing Competition
- ✓ Electronic Workshop
- ✓ State Level Oral and Poster Presentation Competition
- ✓ Educational tour

**Chemistry Department**

- ✓ Industrial Visits / Tour
- ✓ Visit to Research Centre
- ✓ State Level Oral & Poster Presentation Competition
- ✓ Workshop on Structural Chemistry
- ✓ Presentation –Student Research Projects

**Computer Application Department**

- ✓ Seminars & Workshop
- ✓ Expert Lectures
- ✓ Oral Presentation

**Mathematics Department**

- ✓ Expert Lecture
- ✓ Preparatory Test for Competitive Examinations
- ✓ Problem Solving Contest

- ✓ Inter-class Quiz Competition

**Bioinformatics Department**

- ✓ Online Video Lectures
- ✓ Review Article Presentation
- ✓ Research Article Presentation
- ✓ Educational Tour

**Biotechnology Department**

- ✓ Educational Movie Show
- ✓ Seminars
- ✓ Visit to Waste Water Treatment Plant
- ✓ Visit to Cancer Hospital
- ✓ Study Tour

**Microbiology Department**

- ✓ Seminars
- ✓ Visit to Clinical and Pathological Laboratory
- ✓ Training Programme on Blood Transfusion
- ✓ Poster Presentation Competition
- ✓ Educational Tour

**Biology Department**

- ✓ Movie Show on Animal Behaviour
- ✓ Identification of Plants near Campus
- ✓ Bird Rescue Programme
- ✓ Visit to Pharmacy Department
- ✓ Visit to a Poultry Farm

**Commerce Department (Commerce Association)**

- ✓ Management Games
- ✓ Movie-review
- ✓ Face Off
- ✓ Quiz
- ✓ Seminars / Guest Lecture

**Business Administration Department (Trendsetters)**

- ✓ Debate
- ✓ Movie Review
- ✓ Management Quiz
- ✓ Business Plan
- ✓ Case Analysis
- ✓ Role Play
- ✓ Ad Hungama
- ✓ News Reporting
- ✓ Industrial Visits

**English Department (Creative Zone)**

- ✓ Talent Day
- ✓ Public Speaking
- ✓ Poetry Recitation

- ✓ Essay Competition
- ✓ Literary Quiz
- ✓ Movie-review
- ✓ Poetry Recitation Competition

**Science Club**

- ✓ Expert Lecture
- ✓ Essay Writing Competition
- ✓ Scitoon Competition
- ✓ Poster Presentation Competition
- ✓ Publication of CHRIST SCIWAM
- ✓ Celebration Science Day

**Cultural Club**

- ✓ Cultural Week
- ✓ Friendship day
- ✓ Teachers' day
- ✓ Traditional day
- ✓ Navratri Celebrations
- ✓ Christmas Celebrations

**Nature Club**

- ✓ Wildlife Photography Exhibition
- ✓ Plant Distribution
- ✓ Tree Plantation
- ✓ Photography Workshop
- ✓ Photograpy Competition
- ✓ Bird Watching
- ✓ Snakes Awareness Programme

**Expedition Club**

- ✓ Trekking in Junagadh
- ✓ Trekking expedition with YHAI
- ✓ Marine trekking expedition
- ✓ Photographic exhibition of the expedition

**National Cadet Corps**

- ✓ Kargil Day Commemoration
- ✓ Independence Day celebration
- ✓ Blood Donation Camp
- ✓ Republic Day Celebrations

**Sports Club**

- ✓ Selection of teams
- ✓ Coaching Camps
- ✓ Basket Ball Tournament
- ✓ Open Chess Tournament

**Women's Cell**

- ✓ Guest Lecture
- ✓ Talent Hunt

Christ College, Rajkot  
[AQAR 2011-2012]

- ✓ Dance Competition
- ✓ Women's Day Celebration

**Career and Placement Cell**

- ✓ Seminar on Foreign Studies
- ✓ Seminar on Career Opportunities
- ✓ Seminar on Preparation for UPSC/ GPSC Exam
- ✓ Seminar on Personality & Skill Development

**Name & Signature of the Coordinator, IQAC**

**Dr. Yvonne Fernandes**

**Name & Signature of the Chairperson, IQAC**

**Fr. Joseph V.A. cmi  
Principal  
Christ College, Rajkot**