

The Annual Quality Assurance Report (A Q A R)

Of the I Q A C

Name of the Institution: Dhempe College of Arts & Science, Miramar, Goa.

Year of Report :2011-12

Part A:

The Plan of Action chalked out by the IQAC in the beginning of the year towards quality enhancement and the Outcome by the end of the year

The IQAC under the leadership of the Principal motivated the heads and faculty members of teaching department of the college to make the plans for their respective departments and on receiving the same vetted the plans giving all necessary assistance in planning and execution of the same. The Departments therefore proposed and subsequently successfully achieved positive results as given below:

Department of Botany:

- Proposed to apply for a Major Research project from GOI.
- Department received a major research project from DST, Government of India.

Department of Zoology:

- Proposed to conduct one day workshop for review of syllabus of Semester V and VI of B.Sc., (Zoology)
- Workshop for review of syllabus of Semester V and VI of B.Sc.,(Zoology) held in April, 2012.

Department of Physics:

- Proposed
 1. To provide motivation bridge course to students who are desiring to opt for Physics at T.Y.B.Sc.
 2. To Conduct study tour to scientific establishments
 3. To celebrate National Science Day with a popular lecture
 4. To conduct National/State level seminar
 5. To organize students workshop on Astronomy
- Outcome by the end of the year
 1. Motivation and bridging of gap provided to interested students who had interest to opt for Physics subject at T.Y.B.Sc.
 2. A study tour was organized for students to visit Nuclear Thermal Power plant at Kaiga, Karwar
 3. National science day was celebrated on 28th Feb. 2012 with a popular lecture delivered by Dr. Meenal Kaushik, BITS, Pilani, Goa Campus on “Nanotechnology and its Biomedical Application”
 4. Two Day National Seminar was organized on “Climate Change” sponsored by Ministry of Earth Science Government of India on 20th -21st July,2011 at Goa Science Centre, Miramar,Goa.
 5. A one day workshop for students on “Astronomy “ was organized on 27th Aug. 2011 with the help of Association of Friends of Astronomy ,Panaji.

Department of Chemistry:

- Proposed to conduct a two day awareness workshop on “Nuclear Energy Safety Aspects” in collaboration with BARC
- Outcome
 - DAE-BRNS sponsored and NIO co-sponsored two day Workshop on “Nuclear Energy: Benefits and Safety Aspects” in association with Indian

Association of Nuclear Chemists and Allied Scientists (IANCAS) was held on 9th and 10th September, 2011 at NIO, Dona Paula Goa

- Proposed to conduct quiz competition for Chemistry students
- -A quiz competition was carried out and two students selected, represented the college at the All Goa inter-collegiate quiz competition in chemistry organized by ACT where they bagged the second place. Organized Poster competition on “Green Chemistry “for the students.
- Organised quiz competition for TYBSC Chemistry students on 24th January 2012.
- Proposed to conduct industry visits for students
 - An industry visit for TYBSC students at MRF and Okasa Pvt Ltd.
 - Proposed a Chem- History Tour (Industrial visit and heritage site tour)
 - On 6th March 2012 the tour was organized by Dr. Vrinda Borkar and Prof. Varsha Virginker at Bits Pillani Goa Campus, Zuari Nagar, Blue Cross laboratories, Verna Goa, Pillar Museum and Murmagoa Fort. Dr. Udai Naik, Dr. Vrinda Borker, Prof. Varsha Virginker, Prof. Rajashree Karmali, Prof. Sandip Burye and Prof. Prajal Sakhardande along with 33 students visited various sites. The participants visited Chemistry and Biological Science laboratories and research students explained working of various instruments. In Blue Cross industries Ltd. Participants visited manufacturing and QA /QC departments. Prof. Prajal Sakhardande showed the various collections from Kadamba period and Portuguese era preserved by Pillar Museum. They also visited Murmagoa Fort built by Portuguese in 1640.

Department of Computer Science:

- Proposed to achieve the use of ICT in teaching learning process, Improvement in Internet Connectivity, students’ involvement in teaching learning process.

- Achieved the uses of ICT in teaching learning process, Improvement in Internet Connectivity

Department of Biotechnology:

- Proposed to organize courses on Plant tissue culture and animal cell culture-duration: 3 months
 - Proposed to organize courses on microbiological /Pathological techniques- duration: 2 months.
 - Proposed to organize courses on cultivation and maintenance of Orchids and Anthuriums.
- Outcome is of the above three courses two were started on trial basis.

Department of Geology:

- Proposed to conduct one day workshop on the new UGC Syllabus for F.Y.S.Y. & T.Y.B.Sc. in Geology for all the Geology teachers of the Goa University'
- The same could not be carried out as the workshop on same topic was conducted by the Earth Science Department Goa University. All the staff members of the Geology Department attended the same.

Department of English

- Proposal for a Minor Research Project to U.G.C.
- Minor Research Project to U.G.C was received.

Department of Economics

- Proposed to organize a leadership training camp for students.
- Proposed to organize a seminar on 'Issues of Goan Economy'.
- Proposed to organize an Elocution/Essay competition for students on Economic issues.
- Proposed to Encourage students to participate in Inter collegiate events based on their subject

-Outcomes were as follows:

- Leadership training camp for students was held from 29th -30th July 2011 at Gaspar Gaspar Dias Club Hall
- Intercollegiate Essay Competition held from 23rd of November 2011
- Participated in the ECoFest Competition on 29th of November 2011

Department of Philosophy:

- Proposed to organize debates, discussions and talks on relevant issues.

-Outcomes

1. Organized student paper presentation on ‘Ethics of Bhagavad –Gita’ on 12th August 2011 for FYBA Students.
2. Debate on “should euthanasia be legalized in India?” on 25th August, 2011 for FYBA Students.
3. Debate on “when is the Fetus a person?” on 10th September 2011 for FYBA students.
4. Debate on “should Capital Punishment be abolished in India? On 19th January, 2012 for FYBA students.
5. Student presentations on “Malpractices in various professions” on 25th January, 2012 for FYBA students.
6. Panel discussion on ‘reformation as theory of punishment’ on 9th February 2012 for FYBA students.
7. Organized a talk on “ethical issues in Biotechnology” for SYBA students on 26th August, 2011.
8. Discussion for SYBA on the topic “Shallow and Deep Ecology” held on 13th and 14th September 2011.
9. Debate on “Historical roots of ecological problems” on 18th Feb. 2012 for SYBA Environmental Ethics students.
10. Debate on “Hinduism as ecofriendly religion or not” on 24th February 2012 for Environmental Ethics students.

Department of Political Science

- Proposed to organize Quiz Competition on Current issues
- Organized a Quiz Competition for FY/SY/TYBA Political Science students
On 24th February 2012. The title of the quiz was “Elections”.
- Proposed to participate in the Mock Parliament Competition
- Student Team participated in the Mock parliament Competition at Goa State
Legislative Assembly on 20-1-2012 and won the Best Chief Minister prize.
- Proposed to take students for a visit to the Goa Legislative Assembly
- A Visit to the Goa Legislative Assembly was Organized during the Winter Session
Of the Assembly
- Proposed to take the Students for Open day at Goa University for Career and Higher
Education counseling.
- A Visit to the Goa University was Organized on 25 February 2012 to attend the
Open day activities. Department of Political Science,Goa University organized Annual
Political Science Open Day on 25th February,2012 from 10.30 at Social Sciences
Seminar hall, wherein Nittu of TYBA and Siddhi of SYBA participated in Essay
Competition ‘ My Role Model for Goa’; Nisha of TYBA participated in elocution
competition and won third prize and in Quiz contest the college won first prize and
college got Trophy for Best performing College

Department of Indian languages

- Proposed to organize Quiz Competition
- Organised an Inter-Collegiate Quiz Competition on 24th August,2011 titled’
‘INQUIZZITIVE GOA’ at Clube Tennis de Gaspar Dias, Miramar ,Goa.
- Proposed to exhibit films and plays

- Screened plays such as Kasulo, Zamle re zamle, Mixing Fixing for SYBA Konkani Allied to Major students, play 'Raigadala gehvha zaag yete' for FYBA Marathi ,Major students,'Harishchandradi factory' film for TYBA Hindi students,'Aleesha' film for TYBA Konkani students.
- Proposed to organize Poetry competition
- Organised an Intra-Collegiate Poetry competition in collaboration with Lokmat in 24th February, 2012.

Department of History

- Proposed to organize heritage trails, walks and talks for history.
- Organised Kushawati Heritage Trail wherein heritage sites such as Chandor, Rivona Caves, Rivona underground Caves, Pansaimal-Uzgalimal Rock art site, 11th cen. Vishnu Temple at Vichundrem and Budbudyanchi Talli at Netravali were covered on 17th July, 2011.
- Organized Miramar-Donapaula Heritage Walk wherein the students were taken for a Heritage Walk at Miramar, Dayanand Bandodkar's Samadhi, MulkRaj Sachdev's Samandhi, Tonca Pilar, British Cemetery, Cabo Fort at Donapaula on 15th September, 2011.
- Written script and performed along with the staff members and students and on the History of Indian Republic Day on 26th January, 2012 at the Dhempe College.
- Organized a Talk by well known woman freedom fighter Sharda Savaikar on her role in Goa's freedom struggle and her lifetime struggle on the eve of International Women's Day in collaboration with the Women's Cell of the College held on 7th March, 2012.
- Organized Mhadei Heritage Trail wherein visited the heritage sites situated on the banks of the river Mandovi such as Zuvem fort, Surla Tar Masjid, Baba Hajrat Pir Darga, Kudnem Jain Temple, Harvalem Caves, Mauxi Rock art, Zarme ,Safa Masjid, Tambdi Surla on 11th March, 2012.

- Organized Old Goa Heritage Walk wherein students were exposed to the World Heritage Site and Heritage Sites at Old Goa such as Kadamba Temple, St. Cajetan Church, Ghost Room, Viceroy's Arc, Adilshah's Outer Fort wall, St. Catherine Chappel, St. Monica Convent ,St. Augustine Tower,Our Lady of Rosary Church, BomJesus of Basilica, St. Paul College Gateway,Well where St. Francis Xavier drank water on 17th March, 2012.

A Brief Summary/Overview of Activities done at the College Level

<u><i>Date/Month</i></u>	<u><i>Organized by</i></u>	<u><i>Event</i></u>
20 th of June 2011	Department of Chemistry under the Supervision of Dr.Vrinda Borkar	Founder's Day
22 nd June 2011	Department of I.T under the Supervision of Mrs.Annie Rajan	Workshop on revised I.T Syllabus
23 rd of June 2011	Department of Indian Languages in Collaboration with Konkani Bhasha under the supervision of Mrs. Anju Sakhardande	Inauguration and first programme of Bharathi Bhasha Mandal
1 st of July 2011	Department of History (History Forum) under the supervision of Prof. Prajal Sakhardande	Freedom fighter's Gurunath Kaelekar and Dr.Harishchandra Nagvekar addressed the students on the theme 'Goyam Tujea Mogakhatir' and distributed Gandhiji's Autobiography, 'The Story of My Experiments'
4 th -9 th July 2011	Department of IT under the Supervision of Mrs Annie Rajan	Workshop on Research Methodology
11 th of July 2011	Department of economics under the supervision of Prof Edwin Cortez	Felicitation of Graduates
12 th of July 2011	Department of English (Movie Club) under the supervision of Prof Vandana Sardessai	Screened the movie 'Omkara' based on Shakepear's Othello
15 th of July 2011	Department of English (Movie Club) under the Supervision of Prof.Saba Sayed	Screened the movie 'Freedom Writers'
16 th of July 2011	Dhempe College of Arts and Science PTA (DCASPTA) under the coordination Of Dr. Wendy Manuel	General Body Meeting of Dhempe college was organized
17 th July 2011	Department of History under the Supervision of Prof. Prajal Sakhardande	Organized the Kushawati Heritage Trail To Chandor, Rivona, Netravali Vichundrem and Pansaimall

20 th -21 st July 2011	Department of physics under the Supervision of Prof R. Murthy and Prof Burye	National Seminar on ' Climate Change'
22 nd of July 2011	Department of English (Movie Club) under the Supervision of Prof. Jyoti Kiran	Screened the movie 'Rudali'
25 th of July 2011	Department of History(History Forum) under the Supervision of Prof. Prajal Sakhardande	Organized the Khushawati Heritage trail
26 th of July 2011	Department of Indian Languages (Bharatiya Bhasha Mandal) under the supervision of Mrs Anju Sakhardande	A programme was held to celebrate 'Gurupoornima'
26 th of July 2011	Department of Psychology under the supervision of Dr Wendy Manuel	Lecture for Students' Self Esteem'
28 th of July 2011	Department of Psychology under the supervision of Dr Wendy Manuel	Lecture on 'Body Image'
29 th -30 th July 2011	Department of Economics under the supervision of Prof Edwin Cortez	Leadership camp
29 th of July 2011	Dr Vrinda Borker, Mrs S. Halkar and Mrs Manjiri Kelkar	Opening ceremony of Golden Jubilee
2 nd of August 2011	Department of I.T. under the supervision of Mrs Shilpa Deodhar	Training of Moodle Programme
2 nd of August 2011	Department of Chemistry under the supervision of Dr Vrinda Borker	1. Inauguration of Chromophore club 2. Inauguration of Industrial and Chemistry courses.
3 rd of August 2011	Post Graduate Diploma in Journalism and Mass Communication Course(PGDJMC) under the supervision of their co-ordinator Ms. Jyoti Kiran	Inauguration of Post Graduate Diploma in Journalism and Mass Communication Course(PGDJMC)
7 th of August 2011	Post Graduate Diploma in Journalism and Mass Communication Course(PGDJMC) under the supervision of their co-ordinator Ms. Jyoti Kiran	Students participated in a day long workshop organized by International Centre Goa, on the topic 'Role of Students In good Governance'
8 th of August 2011	Department of Hindi and English under the supervision of Dr Vaishali Naik and Sayed Saba	Inauguration function of NSS and Nature Club : RTI Talk by social activist Mrs Vinita Deshmukh
9 th of August 2011	Under the supervision of Prof S. Halkar, co-ordinator of Student's Activity	Inauguration of Students Council by DGP
12 th of August 2011	Department of philosophy under supervision of Dr Zinia Da Silva	Students paper presentation on 'Ethics of Bhagvadgita'

13 th -16 th August 2011	NSS under the supervision of Dr Vaishali Naik	Campus cleaning
14 th of August 2011	Department of Psychology under the supervision of Dr Wendy Manuel	Lecture on 'Mass Media, Internet, Social Networking'
15 th of August 2011	Department of Hindi under the supervision of Dr Vaishali Naik	Independence Day Celebration
16 th of August 2011	Department of IT under the Supervision of Mrs Annie Rajan	Workshop on Star UML
17 th of August 2011	Under the supervision of Dr Yasmin Modassir, Principal of Dhempe College of Arts & Science	Principals Meeting of all the Colleges Presentation by the Director of Indian Council of Social Research
18 th of August 2011	Department of Psychology under the supervision of Dr Wendy Manuel	Lecture on 'Gender Sexuality'
19 th of August 2011	Department of Psychology under the supervision of Dr Wendy Manuel	Lecture on 'Sensitization Programme on issue of Disability by Ms Ritika Sahani
19 th of August 2011	NSS under the supervision of Dr Vaishali Naik	Message writing competition on 'Communal Harmony'
20 th of August 2011	Department of Psychology under the supervision of Dr Wendy Manuel	Lecture on 'Relationships'
20 th of August 2011	NSS under the supervision of Dr Vaishali Naik	'Sadhbhavana Divas' celebration orientation for NSS
21 st of August 2011	Department of Indian Languages (Bharatiya Bhasha Mandal) under the supervision of Mrs Anju Sakhardande	In Collaboration with Sanskrit Bharathi 'Traditional Vidnyan Pradarshani' was organized.
24 th of August 2011	Department of Indian Languages (Konkani) under the supervision of Mrs Anju Sakhardande	Inter-Collegiate Quiz Competition on the theme 'IN"QUIZ"ZITIVE GOA'
25 th of August 2011	Department of Philosophy under supervision of Dr Zinia Da Silva	Inter-class debate on 'Should Euthanasia be legalized in India'
26 th of August 2011	Department of Philosophy under supervision of Dr Zinia Da Silva	Organized a talk on "Ethical Issues in Bio-technology
27 th of August 2011	Department of Physics under the Supervision of Prof R. Murthy	Workshop on Astronomy
27 th of August 2011	NSS under the supervision of Dr Vaishali Naik	Blood Donation Camp wherein 59 volunteers donated blood
27 th of August 2011	Department of Physics under the Supervision of Prof R. Murthy	Physics 'Quarks Club' inauguration function

29 th of August 2011	Post Graduate Diploma in Journalism and Mass Communication Course(PGDJMC) under the supervision of their co-ordinator Ms. Jyoti Kiran	Students attended a day-long seminar organized by Pilar College on 'Goan Heritage'
29 th of August 2011	Department of History(History Forum) under the Supervision of Prof. Prajal Sakhardande	Organized the Heritage Trek To historical forts
30 th of August 2011	Department of History(History Forum) under the Supervision of Prof. Prajal Sakhardande	A function was held to release the banner of History-History forum
31 st of August 2011	Department of Indian Languages (Bharatiya Bhasha Mandal) under the supervision of Mrs Anju Sakhardande	A ' Shradhanjali' was organized to pay respect to departed soul of a Konkani writer and Dnyanpeeth awardee Ravindra Kelekar
7 th of September 2011	Department of History(History Forum) under the Supervision of Prof. Prajal Sakhardande	Organized a talk by Social Activist adv Satish Sonak
9 th of September 2011	Department of English (Movie Club) under the Supervision of Prof. Vandana Sardessai	Screened the movie 'As You Like It'
10 th of September 2011	Department of Philosophy under supervision of Dr Zinia Da Silva	Inter-class debate on 'When is Fetus a person?'
13 th -14 th September 2011	Department of Philosophy under supervision of Dr Zinia Da Silva	Discussion on 'Shallow and Deep Ecology : Role in Preserving the Environment'
14 th of September 2011	Department of Psychology under the supervision of Dr Wendy Manuel	Lecture on ' Mass Media, Internet, social Networking'
15 th -18 th September 2011	Post Graduate Diploma in Journalism and Mass Communication Course(PGDJMC) under the supervision of their co-ordinator Ms. Jyoti Kiran	Students participated in South Asian Film Festival
16 th of September 2011	Department of Psychology under the supervision of Dr Wendy Manuel	Lecture on 'Handling Stress and Anxiety'
16 th of September 2011	Department of English (Movie Club) under the Supervision of Prof. Jyoti Kiran	Screened the movie 'Cleopatra'
17 th of September 2011	Organized by the 'Women's Cell' and 'Health Centre of the college under the supervision of Mrs Soniya Rao and Dr. Lina Talwadker respectively	Health camp for Women staff and girl student of the college
19 th of September 2011	Post Graduate Diploma in Journalism and Mass Communication Course(PGDJMC) under the supervision of their co-ordinator Ms. Jyoti Kiran	Students participated in Quiz Competition on RTI

22 nd of September 2011	Department of Psychology (Equal Opportunity Centre) under the supervision of Dr. Wendy Manuel	Inauguration and talk by Dr Kiran Budkuley on Sensitization towards Reservation and Equal Opportunity for SC/ST
24 th of September 2011	NSS under the supervision of Dr Vaishali Naik in collaboration with Department of History(History Forum) under the Supervision of Prof. Prajal Sakhardande	I. Celebration of NSS Day, poster making Competition on 'Child Labour, Road Safety , AIDS awareness and corruption' II. Documentary and talk on NSS Volunteer's happiness and peace in everyday life. III. Wealth out of waste competition for NSS Units IV. Talk of Prof. Bhushan Bhawe on 'Important' of NSS for students'
24 th of September 2011	NSS under the supervision of Dr Vaishali Naik in collaboration with Department of History(History Forum) under the Supervision of Prof. Prajal Sakhardande	Organised a talk by Women's right Activist Mrs. Tara Kerker
24 th of September 2011	Department of Philosophy under supervision of Dr Zinia Da Silva	Organized Inter-Class group Discussion on 'Issues in Abortion'
25 th of September 2011	Department of History(History Forum) under the Supervision of Prof. Prajal Sakhardande	Organized a Heritage History walk from the 16 th Century Cabo Fort of Dona Paula to the early 19 th century British Cemetery at Dona Paula
26 th of September 2011	Department of Indian Languages under the supervision of Mrs Anju Sakhardande	BharathiBhasha Mandal programme
27 th of September 2011	Department of Indian Languages under the supervision of Mrs Anju Sakhardande and Dr Vaishali Naik	Celebration of Hindi Day "Premchand' Quiz competition
27 th of September 2011	Department of English (Literary Club) under the Supervision of Prof. Vandana Sardessai	Inter-class literary Quiz Gandhi's 'My Experiments with Truth 'was organized
27 th of September 2011	NSS under the supervision of Dr Vaishali Naik	Beach Cleaning
27 th -28 th of September 2011	Department of Philosophy under supervision of Dr Zinia Da Silva	Organized an inter-class group discussion on 'Eco Feminism'
29 th of September 2011	Department of English (Movie Club)under the Supervision of Prof. Jyoti Kiran	Screened the movie 'A Tale of Two Cities'
26 th -30 th of September 2011	Department of English (Nature Club)under the Supervision of Prof. Saba Sayed	Field Trip to 'Goa State Museum' for the students of FYBA and SYBA Journalism
30 th of September 2011	Department of Indian Languages under the supervision of Mrs Anju Sakhardande and Dr Vaishali Naik	In Celebration of Hindi Day various competitions were organized, such as 'Shudha Lekhan competition, Translation and Short Stories in Hindi and Katha Vachan'

1 st of October 2011	Department of History(History Forum) under the Supervision of Prof. Prajal Sakhardande	Organized a Heritage History walk of Old Goa
1 st of October 2011	Post Graduate Diploma in Journalism and Mass Communication Course(PGDJMC) under the supervision of their co-ordinator Ms. Jyoti Kiran	Students went on a field trip to the assembly session with Mr Naguesh Sardesai
7 th of October 2011	Department of English (Literary association)under the Supervision of Prof. Saba Sayed	An interactive lecture on the novel 'the Glass Palace' for TYBA students by Mrs Jugneti Sudan
10 th of October 2011	Department of Psychology(Equal Opportunity centre) under the supervision of Dr. Wendy Manuel	Field Trip to Subdalem and Gokuldem Taluka
9 th -10 th of November 2011	Department of Englishunder the Supervision of Prof. Jyoti Kiran	Students of English literature participated in a literary event "Pegasus 2011"
19 th of November 2011	Department of Psychology under the supervision of Dr. Wendy Manuel	Badte Kadam- a disability awareness rally
19 th of November 2011	Department of History by Prof Vinod Kankonkar	Presented a paper on "the moderates and extremists ideology of Goan Liberation
10 th of November 2011	Department of Economics under the supervision of Prof Shilpa Pai Panadikar	Students participated in Inter-Collegiate essay writing competition
27 th of November 2011	Department of Konkani under supervision of Prof Anju Sakhardande	Students participated in a seminar on Konkani folktales
29 th of November 2011	Department of Economics under the supervision of Prof Shilpa Pai Panadikar	Students participated in a state level Eco fest. They bagged the best team award
30 th of November 2011	Department of Marathi under the supervision of Prof Vinay Bapat	Students participated in a state literary meet in Dhargal, Pednem
2 nd of December 2011	Department of Psychology under the supervision of Prof. Mukta Karmadi	Psychology students participated in "Psychozest" and won 2 nd place
2 nd of December 2011	Department of Psychology under the supervision of Dr. Wendy Manuel	Dhempe students along with Disha School participated in cultural program
2 nd of December 2011	Department of Konkani under supervision of Prof Anju Sakhardande	Students participated and secured the 1 st place in the All Goa intercollegiate Quiz competition on the topic "contributions of Goan women"

6 th of December 2011	Department of I.T and computer science under the Supervision of Dr.Annie Rajan	Students participated in souvenir cover page competition and won the 1 st and 2 nd place
6 th of December 2011	Department of I.T and computer science under the Supervision of Mrs.Annie Rajan	Students participated in IRIX – 2011 debate and won the 1 st place
7 th of December 2011	Department of I.T and computer science under the Supervision of Dr.Annie Rajan	Students participated in I.T. paper presentation competition and won the 2 nd place
10 th of December 2011	Department of Hindi under the supervision of Dr Vaishali Naik	Students participated in workshop on translation
14 th of December 2011	Department of History under the Supervision of Prof. Prajal Sakhardande	Organizing member of the international conference on golden jubilee at the Goa University
7-8 th of January 2012	Department of Konkani under supervision of Prof Anju Sakhardande and Prof Sampada Savase	Students participated in the 13 th All Goa Yuva Konkani Sahitya Sammelan organized by the Goa Konkani Academy
8 th of January 2012	Department of History under the Supervision of Prof. Prajal Sakhardande	Kushavati heritage trail for B.Ed students of Nirmala Institute
10-13 th of January 2012	Department of English under the Supervision of Prof. Jyoti Kiran	Photography course conducted by Mr Levite de Mello for students of the PGDJMC course
20-23 rd of January 2012	Department of History under the Supervision of Prof. Prajal Sakhardande	Was in for lectures organizing team in the equal opportunity centre under Dr. Wendy Manuel
21 st of January 2012	Department of PGDJMC under the supervision of Mr Nagesh Sardesai	A visit to the secretariat seminar hall with IAS officers on the topic “UPSC and Civil services
23 rd of January 2012	Department of Chemistry under the supervision of Prof Sonia Rao and Prof Varsha Virginkar	Students participated in Inter-Collegiate Quiz competition and secured 1 st place
25 th of January 2012	Department of History by Prof Vinod Kankonkar	History Forum organized the inter class Quiz competition on Goan History and heritage
25 th of January 2012	Department of English under the Supervision of Prof. Saba Sayed	Screened ‘Shamshak Redemption’ under the movie club
26 th of January 2012	Department of History under the Supervision of Prof. Prajal Sakhardande	Wrote and directed play entitled “History of the Indian Republic”
27 th of January 2012	Department of History under the Supervision of Prof. Prajal Sakhardande	Assisted Wendell Rodriques in compiling the book on Goa
28-29 th of January 2012	Department of Konkani under supervision of Prof Anju Sakhardande and Prof Sampada Savase	Students participated in Goa Yuva Mahotsava

2 nd of 2012	February	Department of Chemistry under the supervision of Dr Uday Naik and Dr. Vrinda Borker	Presented a poster in a two day seminar entitled "Nano materials, synthesis and Characterization"
4 th of 2012	February	Department of Psychology under the supervision of Prof. Alvita D'Souza	Students participated in Inter-Collegiate event "Exodus" and secured fourth place
8 th of 2012	February	Department of English under the Supervision of Prof. Saba Sayed	Screened "Kunfu Panda 2" under the movie club
15 th of 2012	February	Department of Psychology under the supervision of Prof. Alvita D'Souza	Students participated in Inter-Collegiate event "Psygnus" and secured fourth place
15 th of 2012	February	Department of English under the Supervision of Prof. Vandana Sardessai	Organized inter class short story writing competition
16 th of 2012	February	Department of English under the Supervision of Prof. Saba Sayed	Screened "V for Vendettem" under the movie club
			Organized "Creations"
22 nd of 2012	February	Department of English under the Supervision of Prof. Saba Sayed	Screened "Tangled" under the movie club
29 th of 2012	February	Department of English under the Supervision of Prof. Saba Sayed	Screened "One flew over the Cuckoo's nest" under the movie club
7 th of 2012	March	Department of English under the Supervision of Prof. Saba Sayed	Screened "Rio" under the movie club
13 th of 2012	March	Department of English under the Supervision of Prof. Vandana Sardessai	Organized inter class poetry writing competition
28 th of 2012	March		Farewell party for the third year students
30 th of 2012	March	Department of Psychology under the supervision of Dr. Wendy Manuel	Organized a "Teachers as Counsellors and motivators" conducted by Dr Harish Shetty

Seminars/workshops organized

State level Seminars and workshops were organized by various departments of the college during the academic year.

- i. A week long workshop on 'Research Methodology' was organized for teachers From 4th July-9th July,2011.
- ii. A National Seminar sponsored by Ministry of earth science,Govt of India,New Delhi on 'Climate Change' was organized by Department of Physics on 21st July, 2011 at Goa Science Centre,Miramar.

- iii. A BRNS sponsored two days Workshop on ‘Nuclear Energy-benefits and safety aspect’ was organized at NIO Cardium Hall,NIO on 9th and 10th September 2011 by Department of Chemistry.
- iv. A two day Leadership Development Training Camp conducted by Forum for Free Enterprise,Mumbai was held on 29th and 30th July 2011, under Vasant Rao Dempo Education and Research Foundation.
- v. Organized UGC sponsored three day state level workshop on “Teaching Children with Learning disabilities” on 12th ,13th and 14th March,2012. This was coordinated by Mrs. Mukta Karamadi.
- vi. Mrs. Vrushali Prabhugaonkar, Department of History, organized a workshop on ‘Career Avenues for History students and Personality Development ‘ for TYBA students on 25th September 2011 in AV Room.
- vii. Mrs. Vrushali Prabhugaonkar, Department of History , Organised talk on “Astronomy in Ancient India” by Mr.Satish Nayak for TYBA students on 25th September 2011.
- viii. Mrs.Vrushali Prabhugaonkar, Department of History ,Organized a workshop on “Natural and Cultural heritage of Goa” for TYBA students at Sahakari Spice Farm on 11/12/2011 from 10.30am to 3.30pm.
- ix. Department of IT and Computer Science organized workshop on “Revised IT Syllabus” at Dhempe College on 22nd June,2011.
- x. Organized a one day workshop on Star UML for TYBSc Computer Science on 16th August 2011 at Dhempe College.
- xi. Counseling workshop was organized by Department of Psychology, the topics covered were ‘self esteem ,body image, gender-sexuality,relationships,mass media,internet and social networking, handling stress and anxiety as well as sensitization programme on the issue of

disability', on 26/7/11,28/7/11, 18/8/11, 20/8/11, 14/9/11, 16/9/11 and 19/8/11.

Activities conducted under various clubs/associations of the departments.

- As part of Golden Jubilee celebration,Dhempe college organized a Inter Collegiate Quiz Competition titled 'In-Quizzitive Goa'' on different aspects of Goasuchashistorical,social,cultural,scientific,political,literary,religious,economic, sports,personalities and all about Goa on 24th August,2011 at Club Tennis de Gaspar Dias Hall 1, Miramar,Panaji.In all 22 colleges participated. The convenor was Mrs. Anju Sakhardande (HOD, Indian Languages). The Quiz was conducted by Mr.Harshvardhan Bhatkuly and assisted by Mr.Rajiv and Ms. Tallulah D'Silva. The winners of this Quiz were Mr. Adish Talwadkar(Goa Medical College) and Mr. Anant Lawande(GMC) . The second place was secured by Miss Manisha Gharse and Miss Vinda Naik of Goa University . The third place was secured by Saish Sanzgiri and Mr.John Luis Noronha of Fr. Agnel College,Pilar.
- 47th A.D. Shroff Memorial Elocution Competition for students (2011-12) sponsored by the FORUM of Free Enterprise on behalf of them Dhempe College of Arts & Science conducted it on 29th November,2011 in Dhempe College of Arts & Science, Miramar,Goa. The Programme was co-ordinated by Dr.Karuna Singh.

Psychology Club:

- On 25th and 26th July,2011 Disha special students showcased their talent at Dhempe College.Staff and student appreciated their work and bought cards, rakhies and candles from the students. This was conducted by Dr. Wendy Manuel

- On 22nd and 27th July, 2011 the Psychology students visited Disha School for the Differently abled. They organized music and action songs that the children Enjoyed. This was conducted by Dr. Wendy Manuel.
- Ms. Gayathri Konkar, was invited as a resource person for counseling workshops on issues such self esteem, body image, gender and sexuality and relationships held on 26th ,28th of July 2011 and also on 18th and 20th August. This was organized by Dr. Wendy Manuel.
- Participation in Badte kadam, All India Disability Awareness Programme, on 19/11/2011.
 - a. Rally from Ambedkar Garden to Azad Maidan
 - b. Cultural programme at 4.00 pm at Azad Maidan. Our students put up an integrated dance performance with the differently abled, which was appreciated by all; the audience enthusiastically participated in an action song. The Badte kadam anthem was to music and sung by Dhempe College Psychology Students. This was organized by Dr. Wendy Manuel.
- On 2.12.2012- psychology students participated in Psychozest, the Inter Collegiate Festival organized by MES College and won the Second place.
- On 24th and 25th Jan 2012, students participated in “we care” a day film festival of award winning films on disability , under the guidance of Dr. Wendy Manuel.
- Students also participated for Psygnus, an Inter Collegiate Festival at St. Xavier’s College and they received 2nd prize, under the guidance of Miss A. D’Souza.

Chromophore Club (Department of Chemistry)

- Club was inaugurated for the academic year in August 2011.
- Mrs. Deepa Audi, organized Poster competition on “Green Chemistry” for the students .
- Mrs. Sonia Rao and Mrs Varsha Virginkar organized quiz competition for TYBSC Chemistry students on 24th January 2012, and the winners Miss Shikha Sardessai and Miss Viola Pereira represented the College for All Goa chemistry Quiz Competitions organized by Association of Chemistry Teachers at PES College of Arts and Science, Farmagudi, Goa on 27th January 2012 and secured **1st Place**.
- Chem.-History Tour (Industrial Visit and Heritage site tour was organized by Dr. Vrinda Borkar and Mrs. Varsha Virginkar on 6th March,2012 at BITS Pillani Goa Campus,Zuarinagar,Blue Cross Labs,Verna Goa,Pillar Museum and Murmagoa Fort. The tour was accompanied by other staff and prof.Prajal Sakhardande.

Quarks Club (Department of Physics)

- Physics Department through Quark club assistance organized a one day Astronomy Workshop for Dhempe College students Quarks Clubs members and Dhempe College staff in collaboration with Association of Friends of Astronomy” and Quarks Club on 27th August, 2011.
- Physics Department and Quarks Club organized a study tour of teachers and students to Nuclear Power plant situated at Kaiga, karwar ,on 5th November,2011.
- As a part of National Science Day celebration,Physics Department and Quarks club organized a talk on ‘Nanomaterials’. The resource person was Dr. Meenal Kaushik ,Assistant Professor Biological Sciences, BITS Pilani, Goa Campus on 28th February ,2012.

Political Science Forum (Department of Political Science)

- Organized Quiz Competition for FY/SY/TYBA Political Science students on 24th February 2012. The title of the quiz was “Elections”. The quiz master was Mr. Raviraj Kerkar. The winners of the team were awarded with a certificate of excellence under the banner of Political Science Forum.

Literary Club (English Department)

- Conducted a Literary Quiz on Gandhi’s “My Experiments with Truth” for the TYBA six units students on 27th September 2011 under Literary Association.
- Conducted designing an advertisement contest on 30th January 2012, for SYBA (B) division students.
- Organized a short story writing competition for SYBA (B) students under Communication Club on 15th February, 2012.
- Organized a Poetry Writing Competitions for TYBA three units students under Literary Associations on 13th March, 2012.

Movie Club

- Screened a movie “As you like it: and Omkara based on Shakespeare Orthelo under the Movie Club.
- Screened movies such as Cleopatra, Pride and Prejudice and A tale of two cities.
- Screened movies such as Shamshak Redemption, Kungfu Panda 2, V for Vendettem, Tangled, One flew over the cuckoo’s nest and Rio under the Movie club.

Special Plans made and implemented by the College

- College has started the Equal Opportunity Centre under UGC scheme.
- A short term course on Positive Discrimination of SC/ST for National Development was conducted for students,
 - a. Introduction to the concept of Equal Opportunity,
 - b. Socio-economic conditions of weaker sections of our society,
 - c. Constitutional Rights of tribal in Goa,
 - d. Caste in contemporary India: A Discourse,
 - e. Ambedkar: Caste and the Constitution.
- Talks on ‘Sensitization towards reservations and equal opportunity for SC/ST.
- Field trip to Quepem was held, to enable the students to witness the present condition of SC/ST.
- Under the Women cell a health camp for women staff and girl students of the college was jointly organized by Women’s cell and Health centre on 17th Sept,2011. Dr. Neha Khadpe rendered free medical services for the camp which was largely attended by lady staff and students. Medicines were prescribed by Dr.Neha and distributed free of cost by Alembic Pharmaceutical limited.
- Two teams from the College participated for Women’s Day Quiz at Centre for Women’s Studies,Goa University, on 8th March,2012.
- International Women’s Day was celebrated by the Cell in collaboration with History-History Forum on 7th March,2012 .Ms.Sharda Savaikar,Freedom Fighter, was the Chief Guest and she shared her experiences during Goa’s Freedom Struggle.
- A Day Care Centre in the college was felt a necessity. The UGC has introduced a scheme to provide day care facilities on payment basis at universities for children of around threemonths to six years, of age, when their parents(University employees/Students) are away from home during day. It includes male employee/scholars/students also

Whose wives are working elsewhere. The college had intended to help the women and working parents (Universities/employee) for pursuing their academic career and so a Day care centre equipped with television set, refrigerator, music system, computer and printer and other accessories such as bed sheets, pillow covers etc was started

Part B:

1. New academic Programs initiated (UG and PG):

- There were no new academic programmes at UG or PG initiated in the college

2. Innovation in curricular design and transaction:

- Department of Botany undertook the task of updating laboratory manuals of the Botany department and also completed the same.
- In the Department of Zoology all staff-members contributed to revision of syllabus of semester V & VI in Zoology.
- Department of Computer Science was successful in use of LCT Projector for lectures and also started the use of Moodle for ISA Tests.

3. Inter-disciplinary programs started:

- No new inter-disciplinary programmes were started in the college.
- However the Department of Psychology initiated Internship program called "WANGA" at Disha Institute for the differently abled students was held on 4th of July, 2012.

4. Number of candidates qualified: NET/SET/GATE etc:

- Assistant Professor Mr Vinod Kankonkar of History Department qualified NET.

5. Total number of seminars/workshops conducted:

Department of Zoology:

- One Two-day workshop for review of syllabus of Semester V and VI of B.Sc. (Zoology) conducted on 12th and 13th April, 2012.

Department of Physics

- One National level seminar and One Workshop

Department of Chemistry:

1. A two day Workshop on “Nuclear Energy: Benefits and Safety Aspects” in association with Indian Association of Nuclear Chemists and Allied Scientists (IANCAS) sponsored by DAE-BRNS and NIO was held on 9th and 10th September, 2011 at NIO, Dona Paula Goa

Department of Information Technology:

- 1) Organized a one-day workshop on Review of “Revised IT Syllabus 2011-2012”, for College lecturers on 09/10/2012.
- 2) “IIT-NPTEL Awareness Workshop” conducted by Classle Knowledge, on 18/1/2013.

Department of Economics:

- Leadership training camp and a seminar on Issues pertaining to Goan Economy)

6. Research projects :

a) Newly implemented Research projects

Department of Botany:

- Studies on biodiversity and bioprospecting of endophytic fungi from medicinal plants of Western Ghats,Goa” with a total grant of Rs. 18.80 Lakhs from the Department of Science & Technology,New Delhi.(2011-2014)

Department of Zoology:

- Ongoing
 - 1. Major UGC sponsored research project entitled “Environmental Impact Assessment of Ground Water Quality of Mhadei River Basin with respect to Microbiological ,Chemical and Geological Parameters”
 - 2. Minor UGC sponsored research Project entitled “An awareness Programme of solid waste handling in Tiswadi Taluka of North Goa”

Department of Geology:

- Ongoing
 - One major Interdisciplinary research project sponsored by UGC entitled “Environmental impact assessment of Ground Water quality of Mhadei river basin with respect to Microbiological,Chemical & Geological parameters” wherein our staff members Prof.M.M. Ibrampurkar is the co-investigator.

Department of Chemistry:

- Minor research project “Sythesis and characterization of single and mixed metal ferrites” was sanctioned by UGC for a period of 2 years.
Principal investigator: Mrs Deepa M Audi
- Ongoing research Project: “ Environmental impact assessment of ground water quality of Mhadei River Basin with respect to microbiological, chemical and geological parameters” sanctioned by UGC in the year

2011-14 for 3years to Dhempe College of Arts and Science,Miramar Goa. Mrs Varsha Virginkar is co-investigator

Department of Information Technology:

- On going project sponsored by UGC as below
- A multi Disciplinary Visual analysis of Goa Coast: Recording of Various aspects of shoreline from the Arabian Sea funded by Department of Science Technology & Environment Saligao Bardez.
- Minor Research project entitled “Design and Experimental Study of Consensus Clustering”, funded by UGC.

Department of English

- One Minor Research Project entitled The Goan-Canadian Sensibility in the Novels of Ben Antao

Department of History

- One Minor Research Project entitled

Department of Psychology

- One Minor Research Project entitled

Department of Political Science

- One Minor Research Project entitled

Department of Indian Languages:

- One Minor Research Project entitled’21vi shatabdike pehle dashak ke Hindi-Konkani upanyaso ka tulanatmak adyayan’ in Hindi,
- One Minor Research Project entitled The Tradition of Name Taking Ceremony in Konkani-a Literal Study’ Konkani
- One Minor Research Project entitled ‘Critical study of Marathi Novel after 1990’ in Marathi
- All funded by University Grants Commission, New Delhi

Department of Mathematics:

- One Minor Research Project

b)Completed Research projects

Most of the projects were either newly being implemented or ongoing ones.

7. Patents generated,if any:

There were no Patents generated during the year.

8. New collaborative research programs:

Department of Biotechnology,carried out a research project on “Development of low cost solar energy gadgets for household purpose solar disinfection of water dryers for home made products” at Vidya Prabhodini High School, Porvorim-Goa and it was sponsored by Department of Science Technology and Environment . The aim of project was to find economic ways to sterilize water using solar energy for the general for the general population living below the poverty line.

9.Total research grants received from various agencies:

The following departments were awarded research projects some of which are also on-going

Department of Botany:

Rs.4 lakhs from DST,New Delhi to Department of Botany.(WOS-A,Women Scientist under the above said DST project-Dr.Maria A. D’Souza.)

Department of Zoology :

a) Major Research Project-Rs.7,91,800/-

b) Minor Research Project-Rs.76,500/-

Department of Chemistry: For Major Project Total grant of Rs 12 Lakhs received from the UGC.

Department of Indian Languages

Rs. 10,000/- for Hindi,

Rs. 70,000/- for Konkani

Rs. 80,000/- for Marathi

Department of Mathematics:

1,98,000/- from UGC

Department of Political Science

Rs.60,000/- from UGC

Total amount actually received by way of Research Funding in 2011-2012 is Rs. 2,99,000

10.Details of research scholars:

- One Research Scholar under JRF joined the Department of Zoology
- Ms. Shilpa Samant who had been on FIP submitted her Ph.D thesis to Goa University in February 2012,
- Prof. M.M. Ibrampurkar & Prof. M.A.Miranda was currently pursuing Ph.D at the Goa University, Prof.M.M. Ibrampurkar working on “Hydrological and Hydrogeological Evaluation of Mhadei river watershed in Goa & Karnataka”.
- Prof. M.A. Miranda working on “Geology and geochemistry of the granitoids of Goa”.

11.Citation Index of faculty members and impact factor:

Department of zoology:

- The publication of staff members of Zoology Department are in ‘Peer reviewed journals’ and indexed journals.

Department of Chemistry:

Dr. Vrinda Borker published in

1. :J.Mater.Sci.Mater.Elec.1(1990) 212.(impact factor 1.0794) citation 14

2. J.Mater.Sci.Mater.Elec.4 (1993) 241-248. (impact factor 1.0794) citation 16
3. Indian Journal of Chemistry,section A, Vol.49,December,2010.(Impact factor 0.891) cited by 3
4. Materials Chemistry and Physics 129(2011)1116-1120.(impact factor 2.234)

Department of Biotechnology:

- Publication in International Journal by Shradha Keni, Statins: 3- Hydroxy- 3 – methylglutaryl1- CoA (HMG-CoA) Reductase Inhibitors Demonstrate Anti - Atherosclerotic Character due to Their Antioxidant Capacity, *Applied Biochemistry and Biotechnology* (2011) Volume 163,Issue 2,pp 215-222 (**Impact Factor: 1.48**)

Department of Psychology

- Manuel, W. (2011). A study of attitudes towards combat exclusion of women naval officers. *Bombay Psychologist*, Vol.XXVI ,8-13. ISSN:0975-0738.
- Manuel, W., Mendes, J. (2011). Intimacy on the internet. *Bombay Psychologist*, Vol.XXVI, 70-73.ISSN: 0975-0738.
- Manuel,W. “A Comparative study of ORS in women and men naval officers” in *Bombay Psychologist XXV*.
- Manuel, W. “Between spaces: the work world of the mentally disabled” in Proceedings of National seminar on, “Employee Well Being: Current trends and future prospects.

Department of Geology

- Prof. M.M.Ibrampurkar has published research paper entitled “Surface runoff estimation in a mountainous watershed in western ghat region” is published in a special memoir of GSI in June 2011 (impact factor-0.424).

- Prof. M.M.Ibrampurkar has published paper titled, “hydrological and hydrogeological evaluation of Mhadei river watershed in Goa and Karnataka” is published in International Journal of Earth Science and Engineering in February 2012 (impact factor-0.042).

12.Honors/Awards to the faculty:

- The Department of History faculty got Big Goenkar Award, Jaycees Award Rotaract teachers awards, and also felicitation such as by Parse and Jamat Islami Hind.
- Mrs. Anju Sakhardande of the Department of Indian Languages has been nominated as the Joint Secretary (North) of the Konkani Bhasha Mandal-a premiere institute of Konkani in the state of Goa. (April 2010- April 2012)

13. Internal resources generated:

- No internal resources were generated.

14.Details of department getting SAP, COSIST/DST. FIST, etc. assistance/recognition:

- No new assistance has been received under SAP,COSIST/DST/FIST.

15. Community Services

Department of Botany:

1. Department organized an interaction of a select group of innovators based in Goa with Prof. Anil Gupta, Director, National Innovation Foundation- India on 17th February 2012 in the Botany Department.

2. Judges and organizing committee members for various activities of Botanical Society of Goa.
3. Ms. Manjiri Barve is the member of executive committee of Kamat Complex Housing society.
4. Dr. K. G. Hiremath was invited as a Resource person for a national seminar on “Autonomy in Higher Education” organised by J. T. College, Gadag, on 6th and 7th January, 2012 and also invited as a Resource person on “Human Rights Violations in Small and medium Scale Industries” organised by A.S.P. College, Bijapur, held on 2nd and 3rd February, 2012.

Department of Zoology:

- Conducted awareness Programme regarding solid waste management in schools and villages

Department of Physics:

- Department provides service to IAPT, Vidnyan Parishad Goa, Association of friends of Astronomy, Art of Living, Outreach programme and other such bodies as and when required.

Department of Computer Science:

- Ms. Shilpa Naik was visiting lecturer for Ms. Office course for LDC clerks and VP Secretaries at GIRDA Ela Farma.

Department of Zoology

- Dr. Yasmin Modassir a paper in conference for a Seminar held at NIO on 15th and 16th February 2012.

Department of IT

- Mrs Annie Rajan presented a paper titled “An experimental study of two census clustering algorithms on graph data” at International Conference on “Recent Advances in IT and It Management (RAITN’12) at Shri Guru Ram Rai Institute of Technology and science Dehradun, Uttarakhand, India in 28th February 2012.

- Mr Shankar Naik presented a paper titled "Dynamic Examination Question paper generation system using template, Genetic Algorithm and educational Taxonomy" in work in progress track at 17th International conference on management of data (COMAD 2011) at IIT, Bangalore on 20th December 2011. And also "Finding Frequent items set from Data streams with supports estimated using trends" for an International Conference on "Recent Advance in IT and It Management (RAITN'12) at Shri Guru ram Rai Institute of Technology and science Dehradun, Uttarakhand, India on 28th February 2012.

Department of Physics

- Dr Ramu Murthy presented a paper on "Infrared absorption study of charge ordered $\text{La}_{0.5}\text{Ca}_{0.5-x}\text{Sr}_x\text{MnO}_3()$ Manganites" on Physica B, in February 2011.

Department of Chemistry

- Dr.Vrinda P. Borker presented a paper on "synthesis and characterization of N doped ZnO and its use as photocatalyst in dye degradation" for National seminar on nanomaterials: synthesis, characterization and applications organized by Smt. ParvatibaiChowgule College, Margao Goa on 2nd and 3rd February 2012.
- Dr.Vrinda P. Borker presented a paper on "Zirconate Pyrochlores as Matrix for Nuclear Waste Disposal" for a International Conference on synthetic and Structural chemistry held at Mangalore university from 8th to 10th December, 2011 .
- Dr Vrinda P. Borker presented a paper on "Significance or morphology, particle sizes, structure and material properties of ZnO in tackling the environmental problems" for 7th national symposium and conference on solid state Chemistry and Allied areas ISCAS 2011 organized by JamiaMilliaIslamia, New Delhi on 24th and 26th November 2011

- Dr.Vrinda P. Borker presented a paper on “ Easy production of fine size Metal Oxides, Part –II Liquid Aerosol Pyrolysis in Furnace Flow Reactor’ at 7th national Symposium and conference on solid state chemistry and Allied areas ISCAS-2011 organized by jamiaMilliaIslamia, New Delhi on 24th and 26th November 2011.
- Dr.Vrinda P. Borker and Manisha Shirodkar presented a paper on” Easy Production of Fine size Metal Oxides, part-I solid aerosol Pyrolysis in Furnace Flow reactor” for 7th national symposium and conference on solid State Chemistry and Allied areas ISCAS 2011 organised by JamiaMilliaIslamia. New Delhi on 24th and 26th November 2011.

Department of Biotechnology:

- Attempted to develop low cost solar energy gadgets for household purposes solar disinfection of water dryers for home made products with the aim to find economic ways to sterilize water using solar energy for the general population living below the poverty line.

Department of Philosophy:

- On 24th March, students of FYBA and TYBA, Philosophy, visited Hamara School, Panaji – a school for underprivileged children. They were accompanied by the staff of Philosophy department. Distribution of old clothes, books, donation of stationary items, talks on environmental issues, health and hygiene etc were organized by the students. Students also organized entertainment programmes and distributed refreshments for these students.

Department of History:

- Goa Heritage Action group, heritage save Goa activity, member of various NGO’s and social activism.

Department of Psychology:

- Exhibition and sale of vocational products by Disha students from 17th to 18th July, 2011
- Dr Wendy Manuel presented a paper on “Adolescence: A journey from Conflict to Integration” from 23rd to 24th September 2011, for a national Seminar on “ Boredom Interest Continuum in the Adolescent : A Cognitive Model”.

Department of political Science:

- Faculty member Dr KetanGovekar involved in social activism to curb corruption through filing of PILs and Writs as well as criminal complaints against the corruption and inefficiency of government officials/departments.

16. Number of teachers and officers newly recruited:

- Department of Botany : one on lecture basis
- Department of Zoology: Two on Lecture basis
- Department of Geology : one on lecture basis
- Department of Chemistry : one on lecture basis
- Department of Computer Science : 04 lectures
- Department of Biotechnology : 4(teaching staff)+4(non-teaching staff)
- Department of Economics : 1 on FDP Leave Vacancy till November 2011, 1 on contract basis and 1 on lecture basis
- Department of Philosophy: 02(Miss Sendra Pereira on contract basis and Miss SuvarnaGaonkar on lecture basis)
- Department of History : 02 on lecture basis
- Department of Psychology : 02(1 contract basis/1 lecture basis)
- Department of Political Science : Two on lecture basis

- Department of Indian Languages For Konkani: -01 on contract basis, For Marathi-01 on Lecture basis and for Hindi-01 on lecture basis

17. Teaching –Non –teaching staff ratio:

Science Department level:-

Department of Botany:	1:1	
Department of Zoology:	7:3:5	(2:1)
Department of Geology:	5:3	(2:1)
Department of Physics:	4:4	(1:1)
Department of Chemistry:	2:1	
Department of Computer science:	7:2	(3.5:1)
Department of Biotechnology:	4:3	

Arts Department level:-

Every Department 1:0

College Level:- 76:39 (approx 2:1)

18. Improvements in the library services:

- Students are given direct access to the library books
- Computerized Library Management Software has been tested for introduction and use.

19. Number of new books/journals subscribed and their value:

Department of Zoology:

12 books costing Rs. 7080/-

Department of Computer Science:

Books purchased worth 1500

Department of Biotechnology:

7 new books added to departmental library.

Department of Geology

22 new books amounting to Rs. 24,848/-

Department of Indian Languages***Books:***

Konkani:- 100 Amount Spent Rs.10,005/-

Marathi:- 55 Amount Spent Rs. 8928/-

Hindi:- 21 Amount Spent Rs.6524/-

Journals:-

Konkani-02 Amount spent:-Subscription already paid

Marathi- 06 Amount spent:-200

Hindi-08 Amount spent: 13750

- **Books worth about rupee one lakh have been added to the College library during 2011-12.**

20.Courses for which student assessment of teachers is introduced and the action taken on Student feedback:

- Student Assessment of teachers is done by all Third Year student of B.A and B.Sc teachers and the analysis of individual teachers is made in a tabular form and submitted to authorities.
- Feedback from students of is forwarded to the respective teachers for their further action and improvement.

21.Increase in the infrastructure facilities:

The Table below gives the break-up of infrastructure added along with amount spent during 2011-2012.

Departments	Total Cost	Facilities/Equipments Procured
Various Department	Rs. 2,67,000/-	07 Computers.
Institution	Rs.9,51,358/-	Generator
Tissue(Culture Lab – (Zoology and Botany	Rs. 7,63,522/-	1. CO2 incubator, 2. UV –vis spectrophotometer, 3.Filtration Assembly(autoclaveable) 4.Vacuum pump.
Library	Rs.2,44,360/- Rs.5000/- (annual fee	463books added to the Library NFLIBNET facility renewed
Classrooms	Rs.2,76,500/-	07 LCD Projectors
StaffroomAll Departments and Library	Rs.1,69,000/-	WI –FI Facility Internet.
Geology	Rs.1,61,875/-	Trinocular microscope
Computer Science	Rs.4,46,000/-	LCD(2) Projector,Xerox machine,06 computers,02Laptops,02notebooks,06 computer tables
Zoology UGC, Major And Minor Project	Rs.3,84,500/-	Refrigerator, Analytical balance, BOD incubator, LCD projector, Centrifuge machine, Microscope Binocular, waterbath.
Botany UGC	Rs.61,875/-	Stero microscope
Physics UGC	Rs.2,34,279/-	Crystal oscillator, experimental kit
Chemistry UGC and Major project	Rs.3,13,000/-	Polari meter, Analytical balance, UV spectrophotometer, PH meter, turbidity meter.

- LCD projector has been installed in Zoology Lab(Minor Project), other laboratory and classrooms
- Mobile automated message information system for students MOU has been signed.

- Department of Botany and Department of Zoology have established a Cell – Culture Laboratory
- New LCD Projectors fixed up in two classrooms.
- Department of Biotechnology has added the following
 - One Remi centrifuge C-24 BL(1NO)
 - Two pH meter Model: uPHCal 5 Make Analab
 - One EPSON TX 121 Printer Scanner & Copier
- The Department of Psychology has been given Internet Connection and LCD projector in the laboratory.
- In the Department of Geology, Five Polarizing microscopes and Direct reading resistivity meter have been added to the departmental equipment

22. Technology up gradation:

- Department of Botany has upgraded its equipment by purchasing stereomicroscope under UGC Grants.
- Department of Zoology Teachers have been regularly using power-point presentation in course of teaching and during practical sessions.
- Department of Physics has added new lab equipment were added to the Physics lab to meet the requirements of revised B.Sc. Curriculum
- Department of Computer Science has purchased Licensed Softwares
- Department of Indian languages has purchased Desktop for Hindi and 1for Marathi was purchased under Minor Research project funded by UGC and 1 Handycam for Konkani.
- Department of Physical education has successfully achieved Gym Upgradation by adding more Gym equipment.
- College website up-gradation is being done on ongoing basis and a new IP address given as dhmpcollege.ac.in or dhempcollege.edu.in. College website will be updated regularly with information about the college,

Courses offered,event calendar,photo gallery and attendance as well as result.

23. Computer and Internet access and training to teachers and students:

- In the Department of Botany both the Teachers and students are having access to these facilities.
- In the Department of Zoology all the faculty members are conversant with basic use of computer and are familiar with internet access.
- Students of T.Y.B.Sc. class are provided access to the computer and internet in the Reading Room of the Library.

24. Students achievements and awards:

Department of Botany

- Students of T.Y.B.Sc. of the Department of Botany were awarded first prize for poster presentation in the national seminar on “Climate Change’ organized by Department of Physics,Dhempe College of Arts and Science.

Department of Physics

- Students of Department of Physics participated and won essay competition,poster competition,astronomy workshop ,climate change and they have also provided social services to the society.

Department of Chemistry

- TYBSc student Ms Resha Nagvekar stood second amongst Chemistry students at Goa University Examination.

- Poster competition was organized by Prof. Deepa Audi poster competition on ‘Green Chemistry ‘ in the month of September. Seven students participated in the competition. Winners were Miss Viola Pereira, Miss Seema Talwar and Praneeta Prabhu.
- Prof. Sonia Rao and Prof. Varsha Virginkar organized quiz for T.Y.B.Sc. students on 24th January ,2012. Winners were Miss Shikha Sardessai and Miss Viola Pereira.The winners represented college at The All Goa Chemistry Quiz competition organized by Association of Chemistry Teachers of Goa at P.E.S. College of Arts and Sc. Farmagudi, Goa on 27th January,2012 and won 1st Prize.

Department of Computer Science:

- Ms. Valencia Serrao participated in IT paper presentation competition at Fr.Agnel College,Pillar,Goa Students participated and won in Xiconz,Cellosus,Tech Twister,Synergy.

Department of Biotechnology:

- Ms. Chaitali Madkaikar & Ms. Roopa Parate,students of TYBSc Biotechnology won Interclass Women’s Table-Tennis Tournament on 15th December 2011 organized by Dhempe college of Arts & Science.
- Mr. Umesh Singh, student of TYBSc Biotechnology was awarded best speaker award for A.D. Shroff Memorial Elocution Competition held at Dhempe college of Arts & Science on 29th November 2011.
- Mr. Umesh Singh, student of TYBSc Biotechnology was winner for Business Baron organized by Fr.Agnel college of Arts & Commerce on 16th& 17th September 2011.
- Mr.Umesh Singh,student of TYBSc Biotechnology Won 1stplace for essay competition organized by Directorate of Higher Education,Altinho –Panaji-Goa.

- Ms. Heena Ulhas Devkar of TY Biotechnology 2011-2012 secured 560th rank out of 581 available merit seats for Jawaharlal Nehru university all India Entrance Exam and has subsequently secured admission to MSc Marine Biotechnology at Goa University on Merit basis

Department of English

- Ms Ashwini Priolkar and Ms. Palia Gaonkar presented papers during a seminar on ‘ The Portrayal of Tradition and Transformation in Literature: The Teen Response on 27th August,2011 at MES College.
- Ms. Sheena De Mello was awarded the Honour of Pegasus Laureate at the Pegasus Festival organized by Chowgule College
- Ms. Sheena De Mello secured the first place in Go-Goenkar RJ Hunt at Cynosure organized by the Goa University.
- Ms. Surabhi Kuvelkar was awarded second place in Odessey)The Literary Quiz) for Pegasus organized on 9th and 10th December 2011.
- Bernard Simoes secured second place in My Goa – My Vision and second place in Retro Gazette at Cynosure on 9th march 2012.
- Tanvi Kamat Bambolkar, Cynosure
- Aditi Sequeira won 3rd prize in Goa Golden Jubilee Essay Contest- From Producing Talent to Nurturing Talent. How can this help to Optimize Indian’s Demographic Divident? Organized by the College Commerce, Margao in August 2011. Completed a course in Communication and Public speaking held from September 2011-December 2011. She has participated in one day state-level workshop on the topic – Careers in Media in Post-Liberation Goa on 1st December 2011 organized by Rosary Collge, Navelim. She also participated in Group discussion at “Young Minds –Future Thought”. A Meeting a Young Mindsto Discus Perspectives in the field of Human Development on 10thFebruary 2012 organized by Goa College on Home

Science and second place in the poster presented on the above mentioned topic.

- Ms. Ambreen Sheikh secured second place in Retro gazette at Cynosure. She also secured second place in Prima Facie at Cynosure organized by the English Department, Goa University on 9th March 2012. She also secured the first place in Panache for Pegasus organized by Chowgule college on 9th and 10th December 2011.
- Ms. Pearl D'Souza secured second place in the District –level Elocution Competition on the topic “Save the Girl Child” organized by the State Family Bureau in January 2012. She secured the first place at the State- level Elocution Competition on the theme “Save the girl Child” on 20th January 2012.

Department of Economics

- Students from the Department of Economics bagged various prizes for ECOFEAST-Aninter collegiate event organized by Chowgule college. 1st prize bagged by a TYBA student of Economics in Quiz Competition.

Department of Psychology

- Miss Ambreen Shaikh won a prize for poster competition on, “Prevention of sexual harassment” at Goa University.
- Psygnus – an Inter college Psychology festival at St Xavier College, 10 students participated & were awarded the third place in order of merit

Department of Political Science

- Actively assisted in the organization of a weeklong workshop on “Research Methodology” for all teachers from 4th July- 9th July, 2011.
- Organized Quiz Competition for FY/SY/TYBA Political Science students on 24th February 2012. The title of the quiz was “Elections” the quiz master was Mr. Raviraj Kerkar. The winners of the team were awarded

with a certificate of excellence under the banner of Political Science Forum.

- On 14th September, 2011 students participated for a Debate Competition – Title : adoption of Jan Lokpal bill- For & Against at Khandola college.
- Pearl D’Souza of FYBA spoke ‘for’ the topic and won Rs 3000/- for Best speaker. Nusha Bhandodkar of FYBA spoke ‘against’ the topic
- Dr. Karuna Singh co-ordinated the programme, and students were accompanied by Prof Raviraj Kerkar of Political Science Department.
- The Students Parliament Competition was scheduled in last year 2010-2011 but got postponed. The same competition was held from 16th January to 20th January 2012 Dhempe college was scheduled on 18th January , 2012 between 11.00 am to 12.30 pm at the Assembly Complex, Porvorim, Goa. The programme was co-ordinated by Dr Karuna Singh and Prof Raviraj Kerkar of Political Science Department. Total 29 students participated.
- Nathan Vaz of TYBA (Psychology- 6 units) received 1st Prize/Trophy for the Best Chief Minister
- Department of Political Science, Goa University organized Annual Political science Open Day on 25th February, 2012 from 10.30 at Social Sciences seminar hall, wherein Nittu of TYBA and Siddhi of SYBA participated in Essay Competition. ‘My Role Model for Goa’; Nisha of TYBA participated in elocution competition and won third prize and in Quiz contest our college won first prize (Siddhi and participated). Our College got trophy for Best Performing College. The programme was co-ordinated by Dr Karuna Singh who was In-charge for 25th to 27th February accompanied by Prof Raviraj Kerkar along with students

Department of Indian Languages

- Ms. Natalina Lopes, Ms Deepa Dulapkar and Ms. Harshada Tandel(all SYBA participated in Group discussion in ‘Maand’- a traditional forum for discussion organized by Council for Social Justice and Peace on 20th August, 2011 at Caritas Goa Holiday Home, St Inez, Panaji.
- Ms. Anar Bhandary (FYBA), Ms. Nirmala Barad (FYBA) and Ms. Archana Korgaonkar (TYBA) participated in a State level SEMINAR on ‘Goencham Daiz’ organized in collaboration with Goa Sudharop Community Development Inc. USA by Department of Konkani, MES college of Arts & Commerce, Zuarrinagar on 13th September, 2011 at Vasco-Goa
- Ms. Nirmala Barad (FYBA) and Ms. Andrea Fernandes(FYBA) secured a Special Prize for the Dhempe students in an Inter Collegiate Quiz on the theme ‘IN ”QUIZ” ZITIVE GOA’ held on 24th August, 2011 at club Gapar Dias, Miramar-Goa.
- Ms Tanvi Kamat Bambolkar (TYBA) participated in a seminar on ‘Translation as a career’ organized by P. E.S.’s SRSN College of Arts and Science, Farmagudi on 21-22nd September, 2011
- Ms Anar Bhandary(FYBA) and Mr Deependra Simepurushkar(FYBA) secured the THIRD place in the Intra Class Quiz Competition on ‘the Life and Works of Premchand ‘ organized by the Bharatiya Bhasha Mandal of our college held on 26th September, 2011
- Ms Komal Dhuri(TYBA) and Ms Sharon Mascarenhas participated in a one day workshop on ‘Konkani Lokkaniyanchi taasam’ organized by Akhil Bharatiya Konkani Parishad in collaboration with Konkani seva Kendra, on 27th November,2011 at Sanquelim-Goa
- Ms Andrea Fernandes (FYBA), Ms Pravira Prabhudessai(SYBA) and Ms Yogita Gauns(TYBA) secured the FIRST PLACE in the All Goa Inter-

Collegiate Quiz Competition on the theme ‘ Contribution of Goan Women organized by Directorate of Women and Child Development, Government of Goa held on 6th December, 2011 at GCCI Hall, Panaji, Goa.

- Ms Nirmala Barad(FYBA), Ms Andrea Fernandes(FYBA), Ms Anar Bhandary(FYBA), Ms Suvina Palkar(FYBA) , Ms Komal Dhuri (TYBA) and Ms Tanvi Kamat Bambolkar (TYBA) participated in the 13th all Goa Yuva Konkani Sahitya Sammelan organized by Goa Konkani Academi in collaboration with R.S.N. P.E.S’s college of Arts and Science, Farmagudi held on 7th-8th January 2012 .
- Ms. Andrea Fernandes, Ms Neema Phadte, Mr. Swapnesh Gawde, Ms Gayatri Narvekar, Ms .Aurora Almeida, Ms Chaitali Koli, Ms Sindhiya Chodankar , Ms Pramod Kavlekar, Ms Ravina Kalangutkar, Ms Laxmi Paggam, Ms Usha, Mr Namiket Salgaokar, Mr Malik Lalmiya, Mr Frank Cardozo(all FYBA) Ms Geeta Mestri, Ms Sneha Naik, Ms Sneha Vishwakarma, Ms Sangeeta Tahshildar, Ms Shraddha Naik, Ms Deepika Bhomkar, Ms Tina Khati, Ms Feroza Hujrati, Mr Vijaykumar Yadav(All SYBA), Mr Dinesh Kavlekar(SYBSc) and Ms Yogita Gauns(TYBA), Ms Anjali Volvoikar(TYBA) students participated in th 17th all Goa Yuva Mahotsav organized by Konkani Bhasha Mandal in collaboration with Government College of Arts & Science, Quepem held on 14-15th January, 2012.
- Ms Tanvi Kamat Bambolkar(TYBA) secured the FIRST PLACE in the 9th Late Kavivarya Shankar Bhandari Konkani Kavya Vachaan Sart’ thereby winning the Rolling shield and Ms. Suvina Palkar also participated in the same organized by Department of Konkani, Goa University held on 10th February, 2012.

- Ms. Pravira Prabhudessai (SYBA) and Mr. Anjankumar (TYBSc) secured the THIRD PLACE in the All Goa Inter-Collegiate Quiz Competition on the 'Life and the works of Chhatrapati Shivaji Maharaj' organized by Department of Information and Publicity, Government of Goa, held on 19th February, 2012.
- Ms. Tanvi Kamat Bambolkar (TYBA) and Ms. Trupti Kerkar participated in the 'Chitrangi'-Bailancho Sahitya Mell organized by Konkani Bhasha Mandal in collaboration with Srujan Rang, Paiguini on 25-26th February, 2012 at Adarsh Gram, Amona –Canacona, Goa.
- Mr. Kenny Silveria (FYBSc) and Ms. Divya Ramaswamy (FYBSc) participated in the Inter-Collegiate General Knowledge Quiz Competition titled 'Inquisitive Goa' organized by Times of India, Panaji.
- Ms. Suvina Palkar (FYBA) secured the FIRST PLACE while Ms. Tanvi Kamat Bambolkar (TYBA) secured the THIRD PLACE and other participants were Ms. Nirmala Barad (FYBA), Ms. Anar Bahandary (FYBA), Ms. Andrea Fernandes (FYBA), Ms. Nusha A. Bandodkar (FYBA), Ms. Anuja Parab (FYBA), Ms. Pravira Prabhudessai (SYBA), Ms. Yogita Chodankar (SYBA), Gauri Khandolkar (TYBA), Ms. Sneha Zambotkar (TYBA) and Ms. Sneha Gawde (TYBA) in the Inter-Collegiate Poetry competition organized by Lokmat.

Department of Physical Education

- Mr. Satish Naik TYBSc, won the silver medal in the best Physique.
- Mr. Deeptesh Sawant FYBA won a silver medal in power lifting.
- Mr. Lavu Govekar FYBA won the bronze medal for power lifting.
- Mr. Samir Tari TYBA and Mr. Deepak Yadav F.Y.BSc represented Goa University, for cricket.

- Kumari Raveena Kalangutkar of FYBA represented Goa University, for Kabaddi.

Sports achievements in brief are as given in the table

Sr No	Names of students	Achievements	Events
1.	College football team(Men)	Won the championship	All India invitational Inter-collegiate Football tournament at SPREE 2012, BITS, Pilani
2	Miss Priyanka Redkar	3 rd place	South Zone Softball Nationals
3	Mr Amey Shetye	--	Represented Goa University for Inter University Kabaddi Championship
4	Miss Ravina Kalangutkar	----	Represented Goa University for Inter University Kabaddi Championship
5	Mr Samir Tari and Mr Deepak Yadav	-----	Represented Goa University, west Zone Inter-university Cricket Championship
6	Miss Pranita Kalangutkar	Silver medal	5000 mts run, inter Collegiate Athletic

			Meet
7.	Mr Satish Naik	Silver Medal	Inter Collegiate Best Physique Championship
8.	Mr Deepak Sawant Mr Lavu Govekar	Silver Medal Bronze medal	Inter Collegiate Power Lifting Championship at Goa University

- Tournaments were also organized for the staff of Dhempe College
The following staff emerged as winners of the following:
 1. Table Tennis: Mr Siddhesh Silimkhan
 2. Carom : Mr Shekhar Kauthankar
- Inter Collegiate Volleyball Tournament was organized by the Department of Physical Education on 9th March 2012 at Dhempe College volleyball Court. PES College of Arts and Science, Farmagudi, Ponda-Goa won the championship. Dempo College of Commerce and Economics, Altinho, won the second place.

25. Activities of the Guidance and Counseling unit:

Department of Zoology

- Teachers provide counselling and guidance to the students, particularly, of T.Y.B.Sc. class.

Department of Chemistry:

- In the month of April 2012, Dr Vrinda Borker and Mrs. Varsha Virginkar organized one week summer course ‘ Analytical Tools’ conducted by

- N.I.O. for students of S.Y.B.Sc. Twenty four students were benefited by the course
- Students are given coaching for answering competitive exams
- Guidance is sought as regards placement in industries

Department of Psychology

- Counseling workshop was conducted by Miss Joslyn Henriques on “Problems faced by youth and need for counselling”
- Counselling workshop on “Study Skills” was conducted by Miss Joslyn Henriques
- Miss Joslyn Henriques is appointed as a Counselor and offers counseling for students on Mondays from 10.00 am to 4.00 pm Tuesdays and Wed 2.00 to 4.00 pm

26. Placement services provided to students:

- The college has a Placement Cell which facilitates the holding of Campus Recruitment drives and encourages Institution- Industry linkage for giving employment for students.
- Under the placements cell of the college of the college various placement opportunities and presentations for future career advancement are placed in front the of the students and economics students have taken advantage of this facility
- In the Department of Chemistry which runs IAT course the contact phone numbers and the addresses of the students passing out are maintained in the register and are forwarded to industries when they have vacancies. On campus interviews were also conducted for students by reputed industries.
- Department of Biotechnology also facilitates placements of students and has achieved the result as given below:

PLACEMENT INFORMATION OF STUDENTS OF TY BIOTECH 2011-12

Sr No	Name	Current Placement or Higher Study
1	Nigel Fernandes	Gujrat Forensic Science University M.Sc. Forensic Science,Gujrat
2.	Venkatesh Pai	M.Sc. Biotechnology V.G. Vaze College
3.	Siya Kamat	M.Sc. Biotechnology Vidya Prathishthan School of Biotechnology ,Pune
4.	Heena Devkar	M.Sc Marine Science Goa University
5.	Samantha D'Souza	M.Sc.Biotechnology St.Xavier's College (Autonomous),Mumbai
6.	Shyama Panicker	M.Sc. Biotechnology KLE Society's PC. Jabins Science College,Hubli
7.	Divya Halarnkar	M.Sc. Biotechnology KLE Society's PC. Jabins Science College,Hubli
8	PrajnyaAshok Mahale	M.Sc. Biotechnology KLE Society's PC. Jabins Science College,Hubli
9	Tanvi Nagvekar	Post Graduate Diploma Interior Decoration ,Mumbai University.
10	Siddesh Naik	Trainee Chemist,Orchid Pharma Biomedical systems Verna,Goa.
11	Tatum Fernandes	M.Sc. Biotechnology St.Aloysius College (Autonomous), Mangalore.
12	Melvia Araujo	Chemist Tulips Diagnostics
13	Priti Gawas	M.Sc. Biotechnology Dr. D.Y. Patil Biotechnology & Bioinformatics Institute,

		Pune
14	Roopa Parate	M.Sc. Biotechnology Dr. D.Y. Patil Biotechnology & Bioinformatics Institute, Pune
15	Chaitali Madkaikar	M.Sc. Biotechnology Dr. D.Y. Patil Biotechnology & Bioinformatics Institute, Pune
16	Siya Gaonkar	Chemist Tulips Diagnostics
17	Swapna Mallapur	Project In-charge Mycotech, Mapusa.
18	Umesh Singh	Goa Project head at S.E. TransStadia, Goa
19	Carolyn Silveira	M.Sc. Marine Science, Goa University, Goa

27. Development programme for non-teaching staff:

Need based training whenever necessary is provided to the non-teaching staff especially those who have been newly recruited.

28. Healthy Practices adopted:

- Department of Botany conducts environment awareness programmes on regular basis for students.
- Department of Zoology gives the student of T.Y. B.Sc. Class opportunity to learn presentation technique, using Power-point presentation.
- Department of Physics tries to give first hand knowledge by conducting study tours to different scientific institutions, organizing popular science lectures.
- Department of Chemistry tries to regularly organize various activities under for healthy and overall development of the students.

- Department of Information Technology also conducts Educational Tour such as to important plants like Tata Tea, Munnar, Kerala.
- Department of Computer science organizes industrial visits and such programme as One month Industrial training for students organized.
- Department of Psychology tries to encourage the students to voluntarily participate in ‘WANGDA’ program and work with mentally challenged children.
- Department of Political Science regularly on annual basis takes the students to attend the Goa legislative Assembly sessions from the visitor’s gallery and also trains the students in Mock Parliament events.
- Department of Indian languages encourages its teachers as well as students to participate in various seminars/workshops, inter-collegiate activities to upgrade their knowledge and skills.

29. Linkages developed with National/International, Academic/Research bodies:

- Department of Chemistry has Collaborated with Indian Association of Nuclear Chemist and Allied Scientist, BARC Mumbai for conducting workshop
- MOU was signed with National Institute of Oceanography for conducting courses and research work at NIO facilities.

30. Any other relevant information the institution wishes to add:

Teachers from various Departments have been actively involved in academically relevant activities like attending seminars, presenting papers Providing services as resource persons, etc.

The following papers were presented by Dr. Vrinda Borker

- Paper ‘Zirconate Pyrochlores as Matrix for Nuclear Waste Disposal’ by R. Karmali, Vrinda Borker, K.S. Rane was presented at International Conference on Synthetic and Structural Chemistry held at Mangalore University from 8th to 10th December, 2011.
- Paper ‘ Easy Production of fine size Metal Oxides, Part-I: Solid Aerosol Pyrolysis in Furnace Flow Reactor’ by Soubir Basak, Manisha Shirodkar, Vrinda Borker, Pratim Biswas, K.S. Rane was presented at 7th national Symposium and Conference on Solid State Chemistry and Allied areas ISCAS 2011 organized by Jamia Milia Islamia New Delhi on 24th - 26th November 2011
- Paper ‘ Easy Production of fine size Metal Oxides, Part-II: Liquid Aerosol Pyrolysis in Furnace Flow Reactor’ by Soubir Basak, Manisha Shirodkar, Vrinda Borker, Pratim Biswas, K.S. Rane was presented at 7th national Symposium and Conference on Solid State Chemistry and Allied areas ISCAS 2011 organized by Jamia Milia Islamia New Delhi on 24th -26th November 2011
- Paper ‘ Significance of morphology, particle sizes, structure and material properties of ZnO in tackling the environmental problems’, RajashreeKarmali, Vrinda Borker, and K.S. Rane was presented at 7th national Symposium and Conference on Solid State Chemistry and Allied areas ISCAS 2011 organized by Jamia Milia Islamia New Delhi on 24th - 26th November 2011
- Paper ‘ Synthesis and Characterization of N doped ZnO and its use as photocatalyst in dye degradation’ by Rajashree Karmali, Vrinda Borker and K.S. Rane was presented at National Seminar Nanomaterials: Synthesis, Characterisation and applications organized by Smt Parvattibai Chowgule college of Arts and Science Margao-Goa on 2nd and 3rd February, 2012

Paper published are

- ‘Citrate gel route for Synthesis of dense pyrochlores’ by R. Karmali V.P. Borker, K.S Rane, S.K.Deshpande in Materials Chemistry and Physics 129(2011)1116-1120
- Teachers from Chemistry Department published “ Bactericidal action of N doped ZnO in sunlight” in the Journal Biointerface research in applied Chemistry, April 2011
- Dr Vrinda Borker , Prof Varsha Virginkar and Prof Deepa Audi attended “ Research Methodology’ workshop organized by college from 4th to 9th July, 2011
- Department of Chemistry, Dhempe College of Arts & Science, Goa in association with Indian Association of Nuclear Chemist and Allied Scientists(IANCAS) and NIO, Goa had organized BRNS sponsored a Two Day Workshop on “ Nuclear Energy: Benefits and Safety Aspects” during 9-10 September 2011 at the Cardium hall of the NIO, Dona Paula. All teachers were in organizing committee and they attended the seminar
- Dr Vrinda Borker attended International Conference on Synthetic and Structural Chemistry held at Mangalore University from 8th to 10th December 2011 and presented research paper
- Dr Vrinda Borker attended 7th National Symposium and Conference on Solid State Chemistry and Allied areas ISCAS 2011 organized by Jamia Milia Islamia New Delhi on 24th -26th November 2011 and presented research paper.
- Dr Udai Naik, Dr Vrinda Borker and Prof Varsha Virginkar attended National Seminar Nanomaterials: Synthesis, Characterisation and applications organized by Smt Parvattibai Chowgule college of Arts and Science Margao-Goa on 2nd and 3rd February, 2012. Dr Vrinda Borker presented a research paper.

- Dr Udai Naik, Dr Lina Talwadker and Prof Varsha Virginkar participated in two day national seminar on CLIMATE CHANGE organized by Physics Department of Dhempe college on 20th and 21st July 2011
- Dr Udai Naik, and Prof Soniya Rao attended and actively participated in the annual convention organized by Association of Chemistry Teachers Goa at GVM college Ponda on 4th February 2012
- Dr Udai Naik, participated in the one day seminar on EMERGING TRENDS IN organic synthesis organized by the Department of Chemistry Goa University on 25th January 2012.
- Prof Varsha Virginkar participated in one day state level seminar on Chemistry-Our Life, our future at Carmel Collge of Arts, Scienceand Commerce on November 30th 2011
- Dr Udai Naik, attended and actively participated in two days state level seminar on Basic Sciences: Importance & Future organized by Science Departments of PES College ,Ponda on 16th and 17th March 2012, .

Department of Chemistry

- Dr Vrinda Borker was invited as judge for the state level seminar of students conducted by SCERT, Goa , at Science Centre August, 2011
- Dr Vrinda Borker –Convener MOU signing committee:MOU signed between National Institute of Oceanography and Dhempe college on 22nd March 2012
- Dr Ketan Govekar has been invited by Goa College of Architecture to be subject expert in Sociology and be a Jury Member.

Department of Physics

- Dr Ramu Murthy published a paper on “Role of A-size Cations in Magnetic and Transport properties of LaSrCoRuO₆on ‘ The European Physical Journal’ in January 2011.

Department of Biotechnology

- Dr Donna Trella D'Souza Ticlo attended “Karyotyping of Human Chromosome Techniques and applications held on 7th February 2012 by the department of zoology, of Smt Parvatibai Chowgule Collge.
- Dr Donna Trella D'Souza Ticlo attended Sixteenth Annual cum second International conference of Bioinformatics with Symposia on Recent Trends in application of mathematical Modeling in Engineering, Physical and Social Sciences and Bioinformatics and its Application of Gwalior Academy of Mathematical Sciences(GAMS), organized by S.S. Dempo college of Commerce & Economics, Altinho-Goa from 22nd-25th September 2011 at International Centre, Goa , Dona Paula –Goa
- Dr.Donna Trella D'Souza Ticlo attendant Two day State Level Seminar on “Emerging Food-borne Pathogens” held by the Departments of Biotechnology and Microbiology at St.Xavier's College,Mapusa held on 9th& 10th February 2012
Community service provided:
 - Prof.(Dr.) Pramod V. Pathak for successful completion of the project ‘Development of low cost solar gadgets for household purposes solar disinfection of water dryers for home made products’ from May to June 2012,details published.
- Ms. Shradha Keni attended “Karyotyping of Human Chromosome-Techniques and applications held on 7th February 2012 by the Department of zoology ,of Smt. Parvatibai Chowgule college.
- Attended Seminar MVIT Bangalore on ‘Chemo informatics and *Invitro* drug designing ‘ on 4th& 5th November 2011.

- Research paper presented at ‘1st National Conference on Neuropsychology & cognitive Neuroscience’ organized by NIMHANS, Bangalore on 24th to 26th November 2011. Citation given above.
- Invited as Guest Lecturer-Biotechnology Micro Enterprise Development Programme on 4th July 2012 organized by NABARD and Aims.
- Mr. Omar Ursula DeSouza attended the seminar “Emerging Foodborne Pathogens” seminar on 9th& 10th February 2012 held at St. Xavier’s College ,Mapusa.
- Mr.Omar Ursula DeSouza attended the National Conference on Innovations in Teaching –learning,Research and Unique Practices in higher Education,organized by the Internal Quality Assurance Cell (IQAC) ,Kristu College on November 17th& 18th 2011.
- Ms. Synora Dantas Quadros attended the National Conference on Innovation in Teaching-learning ,Research and Unique Practices in higher Education,organized by the Internal quality Assurance Cell (IQAC),Kristu College on November 17th& 18th ,2011

Department of Philosophy:

- Dr. Zinia Da Silva attended one week workshop on ‘Research methodology ‘ from 4th July to 9thJuly 2011 at Dhempe College of Arts and Science,Miramar Goa.
- Dr.Zinia Da Silva participated for a symposium on ‘Ethics of Development and Environment’ on 27th July,2011 at International Centre Goa, organized by Department of Philosophy,Goa University.

- Dr. Zinia Da Silva participated for a workshop on ‘leveraging accreditation for sustaining quality in degree colleges’ at Goa University in Association with CII Institute of Quality, Bangalore on 1st October 2011.
- Dr.Zinia Da Silva attended workshop for Philosophy teachers for revising TYBA,Philosophy Syllabi on 24th November 2011 at CSSEIP, seminar Hall at Goa University.
- Dr.Zinia Da Silva attended National Seminar on ‘Social exclusion discourse in the thought of Phule,Ambedkar,Gandhi and Nehru on 12th and 13th March 2012 organized by CSSEIP, Goa University and Department of Philosophy.
- Dr Zinia Da Silva attended one day seminar on ‘teachers as counselors and motivators’ conducted conducted by Dr.Harish Shetty,Psychiatrist,Mumbai on 30th March,2012 ,at Dempo House,Campal Panaji –Goa
- Dr.Roshida Rodriguese attended one week workshop on ‘Research methodology ‘from 4th July to 9th July 2011 at Dhempe College of arts and science,Miramar Goa.
- Dr.Roshida Rodriguese participated for a symposium on ‘Ethics of Development and Environment’ on 27th July, 2011 at International Centre Goa,organized by Department of Philosophy,Goa University.
- Dr.Roshida Rodriguese participated for a workshop on ‘leveraging accreditation for sustaining quality in degree colleges’ at Goa University in Association with CII Institute of Quality, Bangalore on 1st October 2011.

- Dr.Roshida Rodriguese attended workshop for Philosophy teachers for revising TYBA,Philosophy Syllabi on 24th November 2011 at CSSEIP,seminar Hall at Goa University.
- Dr. Roshida Rodriguese attended National Seminar on ‘social exclusion discourse in the thought of Phule,Amedkar,Gandhi and Nehru on 12th and 13th March 2012 organized by CSSEIP,Goa University and Department of Philosophy.
- Dr.Roshida Rodrigues attended one day seminar on ‘teachers as counselors and motivators’ conducted by Dr.Harish Shetty,Psychiatrist,Mumbai on 30thMarch,2012 ,at Dempo House,Campal Panaji –Goa.
- Dr.Roshida Rodriguese participated for a 2 day state level workshop on ‘role of higher education in promoting sustainable development’ on 5thand 6th March,2012 at Nirmala Institute of Education,Altinho ,Panaji Goa.
- Dr.Roshida Rodriguese was selected as course co-coordinator and resource person for the SIP (Study India Programme) 2011-12 conducted by Goa University for the students of the Nihon University for the module on ‘Indian Philosophy’ from 5th November 2011to 12th November 2011.

Department of Indian Languages

- Mrs. Anju Sakhardande participated in a One day Workshop on the undergraduate syllabus for Konkani College Teachers organized by the Department of Konkani of Goa University on 2nd July,2011 at Taleigao, Goa.
- Mrs. Anju Sakhardande participated and presented a Review in a State level SEMINAR on ‘Goenchem Daiz’ organized in collaboration with Goa Sudharop Community Development Inc. USA by Department of Konkani ,MES College of Arts & Commerce,Zuarinagar on 13th September,2011 at Vasco-Goa.

- Mrs. Anju Sakhardande participated in the 13th All Goa Yuva Konkani Sahitya Sammelan as a Judge for the Poetry Section organized by Goa

Konkani Academi in collaboration with R.S.N. P.E.S.'s College of Arts and Science, Farmagudi held on 7-8th January, 2012.

- Mrs. Anju Sakhardande participated in the 17th All Goa Yuva Mahotsav organized by Konkani Bhasha Mandal in collaboration with Government College of Arts & Science, Quepem held 14-15th January, 2012.
- Mrs. Anju Sakhardande participated in a NATIONAL SEMINAR and also compered one session on the theme 'Konkani Kadambari: Drishtikonn ani Vishleshann' organized by Department of Konkani, Goa University and Goa Konkani Academi, Panaji held on 22-23rd February, 2012 at Seminar Hall, Goa University.
- Mrs. Anju Sakhardande participated in 'Chitrangi'-Bailancho Sahitya Mell organized by Konkani Bhasha Mandal in collaboration with Srujan Rang, Paiguini on 25-26th February, 2012 at Adarsh Gram, Amona –Canacona, Goa.
- Mrs. Anju Sakhardande participated in a One day Seminar on "Teachers as Counsellors and Motivators" organized by D.C.T's Dhempe College of Arts & Science and Dempo College of Commerce & Economics conducted by Dr. Harish Shetty on 30th March, 2012 at Dempo House, Panaji.
- Prof. Anju Sakhardande was the Convenor of an Inter-Collegiate Quiz competition on the theme 'IN "QUIZ" ZITIVE GOA' held on 24th August, 2011 at Club Gasper Dias, Miramar. 22 colleges participated in this event.
- Mrs. Anju Sakhardande participated and secured the Third Prize in the Women's day Quiz' in the Open group category along with Mr. Amey Mardolkar and Mr. Nitish Wagle organized by the Centre for Women's Studies, Goa University on 10th March, 2012.

- Mrs. Anju Sakhardande was invited as a Resource Person for Training in Konkani Language for Government Employees (Comptroller of Auditor General officials) held on 12-13th February, 2012 at Dalgado Library Hall of Goa Konkani Academi, Panaji, Goa.
- Mrs. Sampada Savase attended a Workshop organized by Indradhanush Wordnet Project of Department of Computer Science, Goa University held on 8th August, 2011 at Goa University.
- Mrs. Sampada Savase attended and presented a Paper at the Seminar on ‘21vi sadi ke pehle dashak ka Natak’ organized Prayas held on 30th September, 2011 at T.B. Cunha Hall, Panaji.
- Mrs. Sampada Savase attended 13th All Goa Yuva Konkani Sahitya Sammelan organized by Goa Konkani Academy in Collaboration with R.S.Naik P.E.S.’s College of Arts & Science, Farmagudi held on 7th January, 2012.
- Mrs. Sampada Savase attended 17th All Goa Yuva Mahotsav organized by Konkani Bhasha Mandal in collaboration with Government College of Arts, Science & Commerce, Quepem held on 14th and 15th January, 2012.
- Mrs. Sampada Savase participated in a One day Seminar on ‘Teachers as Counsellors and Motivators’ organized by D.C.T.’s Dhempe College of Arts & Science and Dempo College of Commerce & Economics conducted by Dr. Harish Shetty on 30th March, 2012 at Dempo House, Panaji.
- Mr. Vinay Bapat presented a paper for one day State Level Seminar on topic ‘Gomantakiy swatantryasaineekanchi Marathitil Atmacharitre’ on

“Autobiography of Mr. Mohan Ranade ‘Satiche van’ organized by Smt. Parvatibai Chowgule College of Arts & Science, Margao on 20th March 2012.

- Mr. Vinay Bapat presented a paper on ‘Cultural Background of Goan literature after 1960’ for two days State Level Seminar on ‘Cultural background of Goan Literature’ Organized by Govt. College Pernem, Goa on 29th & 30th November 2011.
- Dr. Vaishali Naik presented a paper at the seminar on “21 vi sadi ke pehle dashak ka natak” organized by Prayas held on 30th September, 2011 at T.B. Cunha Hall, Panaji Goa.
- Dr. Vaishali Naik presented a paper on ‘Nagarjun’ at the National Seminar organized by Smt. Parvatibai Chowgule College, Margao Goa, from 13-14th February, 2012.

Department of Geology

- Prof. D.S. Parab and Prof. (Ms) MA. Miranda attended a week long workshop on “Research Methodology” organized by Dhempe College of Arts and Science, Miramar, Panaji-Goa.
- Prof. D.S. Parab (HOD), Prof. A.G. Agshikar, Prof. (Ms) S.V. Khandolkar and Prof. (Ms) G.Q. Fernandes participated in two-day National level Seminar on “Climate change” organized by Department of Physics, Dhempe College of Arts & Science, Miramar, Panaji –Goa and sponsored by Ministry of Earth Science, Govt. of India.
- Prof. A.G. Agshikar, Prof. D.S. Parab have participated in two-day workshop on “Nuclear energy Benefits and safety Aspect” on 9th and 10th September 2011 at NIO, Dona Paula –Goa. This workshop was conducted by Department of Chemistry, Dhempe College of Arts & Science and Indian association of Nuclear Chemists and Allied Scientists and sponsored by DAE-BRNS & NIO.

- Prof.(Ms) M.A.Miranda has been appointed as Program Officer of NSS unit of our College.
- Prof.(Ms) G Q. Fernandes has presented a paper at the national level seminar on Modern and Palaeo Sediments : implication to Climate, Water Resource and Environmental changes at the XXVIII Convention of Indian Association of Sedimentologist at Jawaharlal Nehru University, New Delhi, (24th to 26th Nov 2011) on the topic “ Characteristics and sources of sedimentary components in a core from the Central Indian Ocean Basin”.
- All the Geology teaching staff members attended and participated in a one day seminar on Teachers as Counselors and motivators organized by Dempo group of companies at Dempo House Campal.
- Prof.(Ms) M.A. Miranda has participated in a seminar on health care services in Goa organized by Shree Damodar College of Commerce and Economics in association with Prof Suhas Mulay Smriti Pratishtan.

Department of History

- Prof. Prajal Sakhardande presented a paper titled “History through Heritage: Goa in state level seminar on “Goan Heritage” organized by V.V. M.’s Shree Damodar College of commerce and Economics, Margao in collaboration with Goa Sudharop Community development Inc. USA held on 10th August, 2011 at Margao, Goa
- Prof. Prajal Sakhardande presented a paper titled “History through Heritage: Goa in a state level seminar on “Goan Heritage” organized by Fr Agnel College of Arts and Commerce, Pilar in collaboration with Goa Sudharop Community development Inc. USA held on 29th August, 2011 at Pilar, Goa
- Prof. Prajal Sakhardande presented a paper titled “History through Heritage: Goa in state level seminar on “Goan Heritage” organized by MES College of Arts and Commerce, Zunarinaragar in collaboration with Goa Sudharop

Community Development Inc. USA held on 13th September , 2011, at Vasco Goa.

- Mr Prajal Sakhardande presented a paper titled 'History through Heritage : Goa in a state level seminar on 'Goan Heritage' organized by CES College of Arts and Commerce, Cuncolim, in collaboration with Goa Sudharop Community development Inc. USA held on 14th September , 2011 at Cuncolim , Goa
- Mr Prajal Sakhardande presented a paper titled 'History through Heritage : Goa in a state level seminar on 'Goan Heritage' organized by St Xavier's College of Arts, Science and Commerce, Mapusa, in collaboration with Goa Sudharop Community development Inc. USA held on 21st September , 2011 at Mapusa, Goa
- Mr Prajal Sakhardande presented a paper titled 'The Goa Ancient Monuments and Archeological Sites and Remains Act, 1978 the Amendments to this Act, 2010 and the Role Played' in the national Seminar on the theme ' Goa 2011: Reviewing and recovering 50 years' organized by Xavier Centre for Historical Research and Thomas Konkani Kendra, on 29-30 September 2011 at Alto Porvorim
- Mr Vinod Kankonkar presented paper on ' Moderates and Extremist ideologies of Goa's Liberation Movement' at Shri Mallikarjun College, Canacona, in December 2011
- Mr Vinod Kankonkar presented a paper on ' A comparative study of Goa Tourist' at Goa University, in December 2011

Part C:

Explain the Plans of the institution for the year 2012-2013:

The College encourages each department to plan for their own departments apart from planning for the whole college for common activities and events.

The following plans are made by the respective departments for the year 2012-13

Department of Botany:

- To develop Room no 217 in the department into a mini research laboratory by adding/acquiring new infrastructure.

Department of Zoology :

- To organize activities of ‘ Nature Club’
- To facilitate students’ interaction with experts in the field of life sciences
- To organize National Conference/Seminar, tentatively in month of October 2013

Department of Geology

- To organize guest lectures for the Geology students.
- To conduct TYBSc Geology field trip in the state of Karnataka/Maharashtra

Department of Physics

- Organizing state level workshop on ‘Scope and Limitations of Experiment in B.Sc. Physics’
- A non-conventional course on Solar energy utilization.
- Film show on science related topics.
- Visit to Goa University, Physics Department on Science Day.

Department of Chemistry

- Conduct poster competition, Quiz competition, industrial visit, seminar, invited guest lectures for students of chemistry

Department of Computer Science:

- Short term courses on Pagemaker, PHP MySQL, C++, Visual Basic to be continued.
- Organize a student activity .
- Form a departmental club
- Start on-line course programme.

Department of Bio-Technology:

Guest lectures planned	To invite guest lecturers for lectures on Biotechnology related topics.
Additional courses proposed	<ul style="list-style-type: none"> • Non-Conventional course on “Biotechnological methods in Garbage Management” using EM solution for the students of FY and SY Biotechnology.
Seminars & workshops planned	<p>To organize a ‘Biotech week’ in two components:</p> <ul style="list-style-type: none"> • <u>Part 1</u> – A Hands on Training for the benefit of Biotechnology students. • <u>Part 2</u> – An Exhibition and student competitions.
Funded project	To propose a minor research project
Students participation in Extracurricular Activities	To encourage increased participation in extra-curricular activities.
New additions to the Biotechnology library	To increase the repertoire of books of the Biotechnology Library.

Department of Economics

- A state level seminar in collaboration with ISTD on KAIZEN.
- A state level workshop on Environmental Economics.
- An Elocution competition for the students.

Department of Philosophy:

- To submit proposal for state level seminar on media ethics.
- To organize state level workshop to revive new syllabi for Philosophy.
- To submit minor research project in Philosophy to UGC.
- To organize non-conventional courses on 'Preliminary preparation course for competitive examination and 'yoga course'.
- To organize films shows on topics in Philosophy, Quiz competition, study tours, student paper presentation, debates and study tours to places of religious philosophical and environmental interest.
- To conduct periodical programmes at Hamara School for under privileged students.

Department of History:

- History Field trip to historical places
- Site Visits to historical monuments.

Department of Psychology:

- Field Trip to Disha for SYBA students.
- Study visit to 'IPHB'
- Study visit to Scan centre.
- Certificate course in Counseling 'Art of Counseling'

Department of Political Science:

- To organize Talks by Prominent Personalities on current issues in the field of Politics.
- To conduct Exhibitions on themes relevant to Political Science.

- To organize debates, discussions and interactions on important public issues.
- To conduct Quiz competitions.
- To participate in the Mock Parliament Competition.

Department of Indian Languages

- To screen plays such as Kasulo, Zamle re Zamle, Mixing Fixing for SYBA Konkani Allied to Major students, play- 'Raigadala Gevha Zaag Yete' for FYBA Marathi Major students, 'Harishchandrachi factory' film for TYBA Hindi students, 'Aleesha' and 'Bhuyarantlo Munis' film for TYBA Konkani students and to screen 'Kalotsav' for TYBA hindi students.
- To continue and submit Minor Research projects in Hindi, Konkani and Marathi funded by University Grants Commission, New Delhi..
- To organize 'Hindi day' on 14th September 2012.
- To participate in Konkani Youth Literacy Convention.
- To upgrade the skills by completing Orientation course required for Dr. Vaishali Naik(Hindi) and Mr. Vinayak alias Vinay Bapat (Marathi)

Department of Mathematics

- To organize conference in Mathematics – Applied for conference of UGC in Applied Mathematics on Real Life Industrial Problems Solving. Applied for workshop of DCT's in Statistical Package, Math lab.