



VIVEKANAND
EDUCATION
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VIVEKANAND EDUCATION SOCIETY'S
COLLEGE OF ARTS SCIENCE & COMMERCE
CHEMBUR, MUMBAI 400071

ANNUAL QUALITY ASSURANCE REPORT

2010-11

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ANNUAL QUALITY ASSURANCE REPORT

(AQAR)

2010-2011

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V.E.S. College of Arts Science & Commerce

Chembur, Mumbai 400071

The Annual Quality Assurance Report (AQAR) of IQAC

2010-11

Part A

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

2010-2011 academic year started with a number of new developments.

University of Mumbai decided to introduce credit based assessment system from the academic year 2011-12 which needed planned preparations.

Our management resolved to enhance infrastructural facilities of the institution, which had become our urgent need with the vertical and horizontal growth. An additional area of around 11625 Sq. Ft. was made available to us.

IQAC, in its 5th year had new responsibilities to look forward to. It was suggested by UGC that Performance Based Appraisal of faculty at each stage of their promotion should be scrutinized/ monitored by IQAC.

In this connection IQAC coordinator made a presentation on 9th October 2010, detailing CAS(career advancement scheme advocated by U.G.C.) ,for the benefit of academic staff of the college. Subsequently a sub committee consisting of principal, vice principal, several members of IQAC and QAC members, was formed to discuss and chalk out a transparent system to scrutinize PBA pro forma (performance based appraisal pro forma) . A series of meetings were held by this committee in the last week of February 2011. Several points

were discussed at length and decisions were taken. Clear cut directives from the University are still awaited, in this regard.

In the first meeting of IQAC, held in the month of August 2011, Department of Computer Science was congratulated profusely for bagging the first two top ranks in the merit list of B.Sc. (Computer Science) examination Mumbai University, 2010-2011.

In the meeting it was decided that:

- Each quality circle formed under the aegis of IQAC would work throughout the year independently as decided in earlier years, If there is a need, other members of IQAC would pitch in their support for the activities of these circles.
- Chronic attendance defaulters to be monitored and counseled by the class coordinators.

It was proposed that a research project could be taken up to study the ‘impact of regular attendance’ on the holistic growth of students

- “Earn while you learn” program to be strengthened A committee was formed to look after this issue
- A soft folder for each faculty member, containing his/her updated profile to be maintained.
- Special remedial program for those students who attend the lectures regularly (above 90% attendance) but need additional coaching would be organized.
- Latest AQAR to be uploaded on college website.

Following are the achievements of some of the quality circles.

This year **Infra circle** had a massive task of looking into the needs of students, faculty members, departments, administrative office and judiciously distribute the extra space obtained to all these requirements. This was a marathon task on which the members of infra circle worked incessantly, in spite of their busy schedules of lectures/assessment work etc,. By the end of December 2010 and beginning of January 2011, a tentative plan was ready and the work of reconstruction and modification started. Several times the plan was

re modified to accommodate the needs of the various departments and office .The work continued in the summer months of April, May and by the time new academic year started, the additional wings were ready for use. This has resulted in additional lecture rooms, Math lab, media lab, new administrative office, counseling cell, placement cell, language lab etc. for the college. The faculty members as well as students are utilizing the extra space for academic /co-curricular/ extra curricular activities. For this we at VES college are extremely thankful to our management, which has provided us with extra space to the tune of 11625 square feet, in spite of the perennial space crunch of Mumbai city.(details given in the pages 34 under question 25.

Research circle reconstituted itself in the month of December 2010. The objective of the circle is to build an enquiry based approach and research acumen among students and teachers. The circle organized a Research Methodology workshop with the contents spread over nine modules. (details on pg no. 9)

The Circle also plans to bring out a consolidated volume of the published research papers, articles and abstracts by the teachers of our college. This will help not only in consolidating the research output of our faculty members at one place but will also generate a readily available research material for referencing and planning future research.

FIP circle organized several programs under staff development activities.

- On 6th March 2010, there was a staff Development Programme on “Work-Life Balance: Personal and Professional Issues” by Prof. Uday Acharaya.
- On 8th March 2010, under the staff Development Programme Mrs. Aarohi Parimu Khar made a Presentation on “Empowerment of Sexually Abused Women”.
- On 8th March, under the staff Development Programme Dr. Anita Kanwar made a presentation on the “Format of a Research Proposal and Funding Agencies”.
- On 9th March 2010, under the staff Development programme, Dr.(Ms.) Viney Kirpal made a presentation on “Interpersonal Relationships and Team Building”.

The **Additional Credit Program**, which was launched by IQAC in the year 2007 for advanced learners of the college, is steadily getting internalized in the system, albeit with some hiccups. This academic year it started on April 10th with a batch of about 20 students.

The language circle organized the program 'Towards Better Communication in English language' with the objective of helping the students coming from vernacular medium schools. The classes were held in the month of September and March-April just after the terms and exams. The program was sponsored by the UGC fund.

The Alum circle has successfully formulated and established VES ALUMNI ASSOCIATION. The association met on 2nd October 2010 for an inaugural get together and decided that every year on this very day the entire association will meet for tete -a-tete. and discuss its activities for the year. subsequently the association sponsored prizes for the inter collegiate economics conference held on 17th December 2010.

The year end meeting of IQAC was conducted this academic year in the form of a convention of the Q.C's formed under the aegis of IQAC on 30th April at 11 A.M. Each QC in-charge briefed about their activities, achievements of the year 2010-2011. They also discussed the road blocks faced by them.

The academic year 2010-2011 ended with a happy note.

Additional Information :

Our star performers in the ACADEMIC FRONT(2010-11)

- Mr. Vijay .J.Vig of our college is one among the top five students to score distinction marks in the M.Sc. (Microbiology) examination of Mumbai University.
- One of our B.Com students did us proud by scoring 98/100 in the papers titled ‘Direct indirect taxes’ & the paper titled “Industrial Psychology” of T.Y. B.Com examination ,Mumbai University
- One of our B.Com students scored 94/100 in the paper titled ‘Computer system & Application’ of T.Y. B.Com examination, Mumbai University.
- 14 students, out of 112 First Classes of 278 students, scored **above 80%** marks in the B.Com third year Mumbai Univ. Examination.
- 10 of our I.T. Students scored above 80% marks in the B.Sc.third year ,University examination.

Result comparison

- TY BSc90.44% as compared to University overall result 56.11%
- TYB Com..... 85% as compared to University overall result 62%
- TYBA.....68% as compared to University overall result 73%
- TY BMS..... 85% as compared to University overall result 61%
- TYB Com(B/I).....100% as compared to University overall result 95%
- T.Y.BMM 100 % as compared to University overall result 94.%
- T.Y.BCom(F.M.) . 100 % as compared to University overall result 96.%
- T.Y.B.Sc. (I.T.) 84 % as compared to University overall result 49%
- MSc. (Micro) 100 % as compared to University overall result 85.%
- MSc. (Chem, analytical).100 % as compared to University overall result 74.%
- MSc. (chem.organic)..70 % as compared to University overall result 70.

CELEBRATION OF NATIONAL YOUTH DAY.

The National Youth day marks the birth anniversary of Swami Vivekananda .The college celebrated Swami Vivekananda's 148th birth anniversary on 12th January 2011.The days function focused on imbibing Swami Vivekananda's ideals among the present day youth.

The program commenced with a prayer song sung by Swami Sarvagananda of Ramakrishna Mission. It was followed by Principal's inspiring address, about teachings of Swami Vivekananda and significance of his ideals in character building among youth.

Dr. Suniti Nagpurkar, Head of Economics Department, elucidated on three aspects of the Swami Vivekananda's message to the youth; **thought, goal and responsibility**.

Three students of T.Y.B.A. (Psychology) – Krishna Thaker, Swati Thaker and Dimpy Shukla guided by Prof. Radhika Mathur gave a power-point presentation on empowering youth. The highlight of the presentation was on being clear about one's goal in life and facing challenges without getting discouraged.

Meenakshi of T.Y.B.Sc., recited some poems from Swamiji's free translation of verses from Bhatrihari's Sanskrit poem 'Vairagya Satakam'. The program culminated with a very powerful speech on Swami Vivekananda's life by a student. An exhibition, of books written by Swamiji himself and other books on his life and teachings, was organized by our library.

A large number of students from different faculties attended the program.

Career Fair-cum-Fest called "**KALARATNA – KARMA**" was hosted by the Career Guidance and Placement Cell in the month of January.

Hosted on 28th and 29th of January this year, the two day festival "**KALARATNA – KARMA**" encompassed orientation seminars on various careers, one to one counseling sessions by various departments and over 70 exhibits both for the in-house students and for those from outside. Counselor Ms. Meenakshi Khanolkar and Mrs. Kiran Dhall, the Head of Vivekanand Education Society's Vocational Guidance Centre also made valuable contributions for the career exhibition.

Research Methodology workshop

“You can’t stop the idea whose time has come” was the experience of the Research Circle in organizing this 36-hour workshop on Research Methodology with its contents spread over nine modules. The workshop addressed FAQs regarding

- academic research,
- statistical tools used in social science research,
- modes and forms of research communication and
- hands-on training for the software package “R” popularly used in Social Science research.

The faculty was selected from the University departments, renowned professional and management institutes and other research organizations. The response of the participants was overwhelming. The workshop was organized primarily for the faculty members of our college, though some delegates from other colleges also attended it. As the workshop was planned at a very short notice, many of our colleagues who were not members of the circle voluntarily came forward to help. Twenty one faculty members attended the workshop.

Self Empowerment programme

CWDC organized Self Defense and Self Empowerment programme for the girl students in the college. The programme took off very well this academic year. It is a 16-hour programme that includes techniques of stress management, self defense and the knowledge of physiology, hygiene and basic legal literacy in the event of difficulties.

The Times of India, Chembur - Ghatkopar Plus edition applauded this initiative and the successful response it generated among students.

Might of Mathematics.

“Pen is mightier than sword and Mathematics is mightier than many weapons of the modern day world”. To showcase the might of this fundamental subject, the Department of Mathematics, in association with Homi Bhabha Centre For Science Education(HBCSE), organized the conference “**Mathemight-5**” on 19th January, 2011. The conference with the theme “Surprises in Mathematics and their Application.” included events like Paper Presentation by under grad Students, expository Poster Presentation on the same theme, Mathematical Treasure Hunt and a lecture by an eminent Mathematician.

Students from various Mumbai colleges such as St Xaviers from South Mumbai ,CKT College from Panvel , SIES from central Mumbai, Ratnam ,Royal and CHM college from different suburbs of Mumbai participated in the conference.

The inaugural session started at 9.45 A.M .The highlight of the inaugural session was a talk titled “Life of Pi” by Dr.R.Ragunathan , a Mathematician from IIT Bombay. While he discussed the problem of “squaring a circle” in absolute Mathematical terms, his talk was intertwined with many historical anecdotes about great Mathematicians, which kept the audience spellbound. He went on to explain that **Squaring the circle** is a problem proposed by ancient geometers and it took about 2000 years for mathematicians over the globe to conclude in definite terms that this task was impossible! The solution, finally, was a consequence of Lindemann Weierstrass theorem proved in mid-1800’s .This theorem essentially proves that Pi is a transcendental number. One of the many anecdotes mentioned in course of this talk was about the great mathematician Archimedean. When Syracuse was attacked by the mighty Roman emperor, the king of Syracuse approached Archimedes to save the situation. Archimedes, the genius that he was, designed machines capable of lifting the attacking ships out of the water and setting ships on fire using an array of mirrors! This interesting session was concluded with Dr. Aloka Kanhare of HBCSE elucidating the prospects of higher education in mathematical sciences in general.

The second session of the conference saw the students from various colleges presenting Papers on variety of concepts in Mathematics, the ‘eureka’ element of the concept and its application. The topics ranged from Cryptography , Probability to Golden Number and Magic Squares. Another highlight of this session was expository posters presented on the same theme. The topics ranged from fractals to game theory.

The Mathematical Treasure-Hunt generated tremendous interest, adding a fun flavour to the conference The students of Math organized the treasure hunt competition which involved figuring out Mathematical clues to get to the treasure. Participants in the hunt thoroughly enjoyed themselves and the organisers also had a field day conducting the event. Finally, the scavengers from CHM college found the treasure!

At the end of the paper presentation event which lasted for almost 6 hours, eminent Mathematician Dr.Prof.Sane (from IIT B),well known for his insight into the subject among students and teachers of Math in Mumbai university, gave his valuable and lucid comments on each presentation .This in itself was a reward for the participating students. Prizes were distributed.The program culminated with valedictory session with encouraging words from the principal Dr.J.K Phadnis . It was truly heartening to see the students enjoying the process of deep logical thinking , in today’s era of quick gratification.

The Times of India, Chembur - Ghatkopar Plus edition applauded the event and the successful response it generated among students.

Part - B

1. Activities reflecting goals and objectives of institution.

The mission of our institution is 'pursuit of excellence in higher education'. The goals leading to this mission, are to provide diverse learning opportunities to students for acquiring deep knowledge in their subjects of interest along with an all-round personality development

This is reflected in the curriculum design, extra curricular and co curricular activities of our institution. (Details of these are given under corresponding questions). In spite of the fact that a large number of our students are first generation learners, we are continuously striving to enlighten our students in their chosen fields as well as in life skills. The objectives of our institution and the activities undertaken to achieve these, in the year 2010-11 are as follows :

To provide conducive academic atmosphere to students (objective1).

In our continuous effort to provide our students conducive atmosphere in the college we have adopted following measures

- Our students are encouraged to interact within classroom via seminars, presentations, case studies, games etc.
- In our endeavor to encourage students to think independently, various departments organized group discussions in the classrooms, where in students are expected to state their views and opinions freely. Students are encouraged to contest diverse views.
- In order to encourage motivated students various departments devised their own methods to facilitate their spirit of enquiry.(ref. best practices mentioned in earlier AQAR).
- Department of Computer Science /I.T. organized lectures, /workshops

by industry experts, to update their students on various advanced techniques in the field. Our alumni from the same fields were invited to discuss the challenges in the ever changing world of IT

- Departments of Economics and Commerce made extra efforts to identify the students who can be groomed as effective communicators and encouraged them to understand technical, social complexities through additional reading, discussions and participation in zonal level elocution and essay writing competitions.

i) To improve over all academic performance of students.(objective 2)

- Regular class tests / tutorials were conducted to give sufficient practice.
- In some descriptive subjects, test series were conducted throughout the year. The students were given feedback, after each test, and specific guidelines for presentation of answers in the examination.
- The teachers of our institution continuously look for new ways to make the teaching interesting and learner centric, for example use of *Mind mapping* technique in Math class, peer to peer learning method in large classes, use of live projects and experiential learning in BMS department.
- Remedial courses/bridge assignments were provided to weak or backward students in subjects like Mathematics, Economics, Commerce, Physics and English language
- OHP / LCD were used in class room teachings to facilitate understanding of difficult topics.
- Computer simulations were used to depict some scientific themes in Physics department. Also use of technology such as laser beam facilitated better understanding through visualization of some concepts of Optics in Physics.

iii) **To inculcate discipline as a value among the students.** (Objective 3.)

- We emphasize on keeping our premises clean.
- The annual media festival Impressions started off with “CLEANLINESS **DRIVE**” on January 12, 2011.
- Our college is well known for strict adherence to norm of regular attendance in class. Attendance committee sees to it that defaulters in this respect be warned and counseled till they show improvement in their attendance.
- We emphasize on punctuality in class rooms.
- We emphasized on adherence to certain dress code by students and teachers

iv) **To develop employable skills among students (4th objective):**

We believe that academic achievements need to be complemented with certain skills which will improve their employability status, and to achieve this, the students must go beyond classroom learning and exam oriented learning. They must acquire general knowledge, communication skills, quantitative skills, & outside exposure. Following are some of the activities taken up with this target:

- Various departments conducted class wise elocution competitions, quiz competitions & seminar competitions.
- Career Guidance Cell organized interview (Mock) and Group Discussion to prepare for various entrance tests for various professional courses and careers.
- Career Guidance Cell worked through out the year to improve Vocabulary & retention skills of our students to prepare them for competitive exam.
- Students were encouraged, trained and supported to participate in University Youth Festival and inter- collegiate competitions. (Award List follows the question number).
- Students were encouraged to participate in M³ contest (Maths, Muscle Man contest), to improve their quantitative ability.
- Educational visits, field trips, guest lecturers were organized by different departments to provide students with relevant exposure.

- Departments of Microbiology, BMS, and Physics & BMM encouraged students to gain practical knowledge during their vacation by undertaking summer training.
- BMS section organized two-day program called 'Brand Wagon' & 'Confluence' wherein students were exposed to talks, lectures from practicing experts from the relevant field. This also exposed students to business situations, case studies etc which help them in turn to apply theory in practice.
- BMM section organized the annual event 'Impressions' and gave students experience and exposure to media management, documentary making & film appreciation.
- Experts from Industry on several occasions are invited to appraise our students about industry expectations.

v) To render service to the society. (Objective 5.)

- The foremost service to the society, we feel, is to make our students good human beings, concerned and honest citizens – for they are the future of our nation. We therefore continuously strive to achieve this.
- Students in large number participated in Social work programs. For this the platforms provided are N. S. S., **Out Reach** (initiated in the academic year 2010-11) and ACP (Details will be found from response to Q. 16).
- Department of BMM organizes SAW (Social Awareness Week), to bring awareness about various issues of concern for our nation.

The theme of the annual event 'Confluence' of department of BMS this year was 'green' i.e. to motivate the youth to help stop the abuse of environment and protect Earth.

2. New Academic programmes initiated (UG and PG):

(Ref. IQAC 2005-06, 2006-07, 2007-08, 2008-09 for the newly initiated programs in the past few years)

3. Innovation in Curriculum design and Transaction.

Syllabus of each UG and PG program under Mumbai University is provided by the board of study of the respective subject, along with the time line.

To transact the prescribed syllabus, each department of V.E.S. College designs a curriculum, suitable for the target group of students, at the beginning of the academic terms.

The main aim of the curriculum design is to facilitate the student's progress towards mastery of the knowledge and skills needed to complete the course. In order to achieve an all-round personality development of students, the curriculum transaction is done in such a way that it demands active participation and involvement of students

Following are some of the measures adopted by various departments of the college as a part of the curriculum design

i. Seminars / Presentations/workshops:

These methods of enhancing interest amongst students is internalized by many departments of our college.

- A workshop on “Basics of Bioinformatics and Hands-on session on Structural Bioinformatics” was organized for the students of TYBSc. Microbiology from 19th July to 24th July 2010.
- On 19th, 20th and 21st of October 2010, SYCS student Abdus Khatri conducted a session on Flash and Photoshop.
- On 25th Sept '10, Mr. Harsh Damania of TYCS class conducted a seminar for SYCS class on SQL in Oracle.
- Physics department organized **a refresher course** in Electrodynamics and Mathematical Methods for S.Y.B.Sc. (Physics) students. The objective was to strengthen the conceptual understanding through problem solving
- On 6th Sept '10, students of SYBSc Comp Science conducted a hardware workshop for the students of FYBSc Comp Science.

List of such activities in the college continues incessantly.

ii. Other than class-room study:

Experiential Learning, Live projects, Computer Assisted Learning/teaching, Case-study method, Special problem solving sessions, group discussions are some of the methods adopted to transact the curriculum in various departments. Some times the students learn by skit presentation also. The S.Y.B.Sc. (Micro & B.T.) students presented a skit titled ‘Lage Raho Colibhai’ The skit which depicts the disparity between bacteria cultivated in laboratory and those found in nature, was appreciated by students of Microbiology as well as students of other departments

iii. Outdoor excursion / Field Trips –

To bridge the gap between theory and practical students of some of the department are taken for Industrial visits and study tours.

iv. Book Display

Specially selected books were displayed on different days in the central library, by the department of Environmental studies, for students of B.Com and BMS. This was done to increase awareness and interest in the subject by some departments. The purpose was to promote self learning and to inculcate the habit of reference reading among students. Books related to important issues like global warming, rain water harvesting, disaster management were put up on display.

v. Notice Board Study concept was introduced as a curriculum design to familiarize the students with the various recent happenings in their subject of interest. Articles, charts, current news paper clippings were displayed on different notice boards, which in turn helped students to relate their class room learning to real world.

vi. Developing teaching learning tools with students participation:

Use of OHP/LCD : Almost all departments use OHP /LCD to give Visual effect to teaching and to conveniently handle large data and proofs.

vii. Exhibition:

- Students of S.Y.B.Sc. ,Mathematics, were encouraged to make **mind maps** to depict the sequence of abstract ideas leading to a major mathematical concept.
- As has become an annual practice, the Department of sociology puts up an exhibition on current social issues mirroring ground realities of today's world. This gives the students a deeper insight into the topics, which they Study as a part of the prescribed syllabus.
- Students of Economics department put up a permanent display of charts on certain important data in the T.Y. B.A lecture room, which acts as a 'ready-information' and also highlights interrelation between different papers they study. From time to time new inputs are made in this display.

viii. Discuss Case Studies:

This has become part of course curriculum transacted in several subjects. It makes the concept being studied more real and relevant.

- Department of Computer Sc., to understand the process of project development.
- Department of Commerce to highlight industrial management and various developments in different industries and Commerce.
- Department of Economics to understand the applicability and relevance of various economic concepts.
- Department of Psychology to understand the intricacies of human relations.

ix. Special assignment as bridge course:

To bridge the gap felt by students in the transition from + 2 level to first year graduation level following departments designed bridge program and assignment sets

- Department of Economics
- Department of Physics (ref best practice–AQAR 2009-10)

x. Peer to peer learning –

Departments of Environmental Studies, Mathematics and Economics used ‘Peer to Peer’ Method to teach certain difficult concepts to a large group of students.

xi. Subject Association activities -

Exhibitions, festivals, seminars, workshops, Quiz, Screening of educational films, essay competitions, logo competitions were organized regularly during the weekly Forum Time on Saturdays by various subject Associations of our college.

xii. Making documentaries, docudramas, ad films:

These were some practices adopted by the department of B.M.M. of our institution to initiate the students to the world of media.

xiii. Newsletter Publication, Photography:

The in-house publication of the department of BMM was released during the department’s annual inter-collegiate festival – IMPRESSIONS’008. The theme of the 18- page GOONJ this year was ‘Freedom’.

4. Inter - disciplinary programmes started: -

None in the year 2010-11

5. Examination reforms implemented:

In the year 2009-2010 we adopted the following measures suggested by the examination committee of the college

- page numbers were printed in the answersheet.
- Stitched answer sheets were supplied to the examinees
- More number of pages were included in the answer sheets.

These measures successfully reduced the number of cases where students used unfair practices like smuggling in supplements during the examination. We therefore continued these practices.

Other than university examination, every department conducts periodic tests in their respective subjects for each class by way of **open book test, test series, objective test** etc. to improve the general performance of the students.

6. No. of candidates qualified for NET / SET :-

None in the year 2010-2011 from among faculty members.

It may be noted that almost all of our permanent faculty members who have joined the institution after 1991 are NET /SET qualified.

7. Total Number of Seminars / Workshops conducted:

About 37 seminars /workshops / guest lecturers were conducted by the various departments of the college. Following is the list of these events.

Seminars & workshops:

Department of Biotechnology:

- 14th August 2010:A talk titled “An overview of the requirements for further education in Canada, Europe and Australia” by Representatives from GEEBEE Education Pvt. Ltd., for T.Y. microbiology and Biotechnology students.
- 14thDecember 2010:A guest lecture on “Status of tigers in India and its implications on climate change” by Dr. Anish Andheria, Director of Conservation and Wildlife Trust AND Director of Sanctuary Asia
- 24th January 2011.: Guest lecture on- ‘Entrepreneurship in Biotechnology’, by Prof. Jogdan, Vice-Principal, K.B.P. College, Vashi and Mr. Sunil Apte from Tata Tea Ltd delivered on ‘Quality System Management and ISO’ to the T.Y. Biotechnology students.

Department of Chemistry:

- 21st August 2010: A guest lecture titled “Fun with the basics of Organic Chemistry” by Prof. Sanjay Shukla.
- 9th September 2010.: A seminar presentation competition was held.
- 7th December 2010.: A guest lecture to guide M.Sc. students for SET/NET Examination delivered by Dr. Ganesh Pathre.

Department of of Banking and Insurance:

- 7th & 8th January, 2011: A seminar on ‘Corporate Governance & Recent frauds in Indian financial system’, delivered by Mr. Guldeep Gil, from TIME institute of management.

Department of BMS :

- 30th of July 2010: A communication workshop. titled “Effective Public speaking” conducted by Ms. Piya Mukherjee, a reputed Corporate trainer, Academician and Writer.

Department of Commerce :

- July 6, 2010: A guest lecture on “Population Aging in India; Demographic Issues and Policies” by Dr. Balram Pawan, Head of Population Policies Department, International Institute for Population Science.

Department of Computer System

- 10th July: A seminar on “Pursuing Post graduation in Foreign Countries”,
- On 14th of August '10: A seminar on “Preparation for CET-MCA” for TYCS students. by Relic academy
- 18th of August '10, : A seminar on “J2EE” , conducted by a resource person from HCL Company Ltd.

- 25th, 26th of October '10: A. Workshop on “EJB and Web Services”, conducted for more than 50 teachers from various colleges of Mumbai University, by the Pledge team of Patni Company as a part of the Faculty development program.
- 3rd of December '10: CDAC conducted a seminar
- 05/02/11:,” Route 2 MBA” presentations were held for SY and TY students to guide them for their MBA CET preparations
- 12/02/11, :CMS Infosystems conducted presentations on Software Testing for SY students.

Department of Economics

- 7th December: keynote address titled “**The Changing Role of Financial Regulators in India**” delivered by Mrs. Kiran Nanda, Director, IMC-ERTF.
- 7th December: A talk on “Governance”. by Mr. Minoo Shroff, President of Forum of Free Enterprise.

Department of English:

- A demo-lecture on Power Point Presentation by Ms. Heena (Dept. of Information Technology) was organized for all the divisions of the FYBCom class to supplement the session on Presentations.

Department of Information Technology

- 23rd June 2010 :Seminar titled “A Tour to Dot Net Framework”, conducted by HCL for TYIT students
- 29th June : A workshop titled “VB dot net” , conducted by HCL for TYIT students.
- 17th July: A seminar titled “A Tour to Eclipse IDE”, conducted “Karox Technologies” for TYIT students.
- 21st July: A seminar titled “Guidance to MBA Admissions”, conducted by IMS for TYIT students.
- 14th of August : A seminar titled “Preparation for CET-MCA”, conducted by Relic Academy for TYIT students.

- 16th of August :IMS-Challenge, conducted for TYIT students by IMS Institute.
- 20thAugust: Microsoft conducted “Live-presentation” to the students on “Cloud computing” in Delhi . Students of TYIT participated in the session through internet.
- 18th of September A seminar titled “Preparation for CET-MBA” by “IMS” for SYIT students.
- 27th November: A seminar was conducted by Ram Janam of SYIT for the students of SYIT on “Photoshop” on.
- 3rd of December :A seminar was conducted by C-DAC for students of TYIT
- 3rd of December :A seminar titled “Significance of Live Projects” was conducted by Seed InfoTech for SY and TY students .
- 5thFebruary :“Route to MBA presentations” was held for SY and TY students to guide them for their MBA CET preparations on.
- 12thFebruary.:CMS Info systems conducted seminar on “Software Testing” for SY students.

Department of Mathematics:

- 19thJanuary, 2011: A talk titled “Life of Pi”, by Dr. R.Ragunathan, a Mathematician from IIT B.

Department of Microbiology:

- 24th of June, 2010:A guest lecture titled ‘Stem Cells – The good, the bad, the ugly’ was delivered by our eminent Alumnus of the 1997 batch, Dr. Aniruddha Deshpande, currently at Harvard School of Medicine, Boston, USA .
- 26th of June, 2010. :A talk–cum–demonstration on ‘Feminine Hygiene Healthcare Product’ of Winalite International, by their alumnus of 1985 Dr. Sanjay Sanghvi, organized by MAA along with Women Development Cell (WDC) of the college.
- 19th July to24th July 2010.: A workshop on “Basics of Bioinformatics and Hands-on session on Structural Bioinformatics” , organized for the students of T.Y.B.Sc. Microbiology.

- 29th Nov. to 1st December, 6th & 15th December 2010.:A Seminar presentation titled “Tools and techniques in Microbiology Research” was organized for the post-graduate students of the Department.

8. Research Projects: -

UGC sponsored project:

A Minor research project titled “A survey to explore aspects of child sexual abuse as reported by college students” has been approved by UGC, to be undertaken in the department of Psychology by Mrs. Arohi Khar.

UGC sponsored ongoing research projects:

A major research project “Biosurfactant production by a bacteria isolated from jet fuel and its varied application”. is being carried out in the department of Microbiology

Other research Projects:

There are a number of ongoing M.Sc. research projects in Microbiology Department.

9. Patents generated, if any : None

10. New collaborative research program : None

11. Total research grant received from various agencies: -

In the year 2010-11 UGC a Minor research project titled “A survey to explore aspects of child sexual abuse as reported by college students” has been approved by UGC, in the subject of Psychology to be undertaken by Ms. Khar Arohi

Total amount sanctioned for the project is Rs.50, 000/-. An amount of Rs. 35000/- is presently being released as first installment.

In Department of Microbiology Mrs. Hema Vardarajan was sanctioned Rs.20,000/- for Minor Research Project.

12. Number of research scholars:

16 faculty members are involved in research pursuing Ph.D. / Major research project/ minor research project:

Also a number of our students are pursuing M.Sc. by research in **Microbiology and Chemistry**

A number of our U.G. students are doing investigative study on various topics under Additional Credit Program.

13. Citation index of faculty members & impact factor: -

Exact information about citation index & impact factor of the research papers published by faculty members are not available.

Following are the details of some of the research papers presented/published in the year 2010-11:

- Author: Dr. Nagpurkar, (Department of Economics)
Title: Empowerment of Youth: Are we ready If Enough is Not Enough
National Colloquium at RGNYID Sriperambuddur TamilNadu, February 2011
- Author: Dipta Dasgupta (Department of Mathematics).
Title: A Dialogue on the Effective Interplay of Skill and Knowledge in Math Education at Undergraduate Level. Presented at National Conference on Mathematical Modeling and Computer Simulation . March 25-27, 2011. Published in the proceedings of the conference
- Author : Mr. Atul Mody(Department of Physics)
Title On new System of Grading for Students' learning of Physics,
International Conference to Review Research on Science, Technology and Mathematics Education: EPISTEME-4, January 5 to 9, 2011 held at Dr. Homi Bhabha Centre for Science Education.
- Author : Dr. J.K. Phadnis
Title “ Assessment and evaluation methods prime factor influencing curricular outcomes presented at EPISTEME-4, January 5 to 9, 2011 held at Dr. Homi Bhabha Centre for Science Education.

- Author: Dr. Nagpurkar, (Department of Economics)
Title :Financial Inclusion in the City of Mumbai A Study of Urban Poor : Migrants and NonMigrants.
Indian Journal of Social Development Vol.10 No.2 Dec 2010Issue2 Pages: 663-674.
- Author Dr. Shikha Dutta
Title:"Influences of Romanticism for South Asian Diasporic Writing"
Variorum Vol-01, Issue II, Nov 2010, ISSN 0976-9714.
- Author: Dr.Anita Kanwar, (Department of Physics),
Title: Broad Temperature Range Blue Phases in Polymer Dispersed Cholesteric Liquid Crystals, *Materials Science*, Vol.6, pp. 13-16 (2010).
- Author Dr. V. D. Barhate(department of Chemistry):
Title: “Rapid Liquid Chromatographic Method for the Determination of Roflumilast in the presence of Degradation Products”
Indian Journal of Pharmaceutical Sciences. September 2010
- Author: Dr.Anita Kanwar Gupta ,(Department of Physics),
Title: Thermal Hysteresis shown by Polymer Dispersed Cholesteric Liquid Crystals, *Indian Journal of Physics*.(Submitted 2010).
- Author:Mr.P. Murugesan, (department of Economics)
Title: [Land Acquisition for SEZs in India : Theoretical Perspective](#) Southern Economist Vol. No. 49, Issue No. 7, Page No. 26 to 28,1st August, 2010
- Author: Mrs. S.Jayalakshmi, (department of IT), presented a paper on ““**Cloud Computing and its security**” in the **National Conference on April 9th and 10th of 2011** held at Anand Institute of Higher Technology Chennai. The paper has been published in the conference proceedings
- Author: Mrs. Madhavi Vaidya ,(department of Comp. Sci.) published a paper titled "Fault Tolerance By Replication in Parallel Systems" in the Journal of Global Research in Computer Science ISSN-2229-371X - Vol 2 No.3 published in the year 2010.

14. Honors / awards to the faculty:

Prof. P. Murugesan presented a paper on “An analytical profile of SEZ policy Environment in India” at a National Seminar organized by the VESIMRS on “**Economic Environment of Business in India**”. His paper won the **best paper award** at this seminar. His paper was selected to be published in the Journal of Political Economy, Mumbai.

15. Internal resource generated:

For the following inter collegiate events internal resource was generated through part collaboration with associated industry or organization:

- **Sagacity** : an intercollegiate event organized by Computer science department and IT dept on 3rd and 4th September 2010
- **Bioeffervescence** :an intercollegiate event organized by department of Biotechnology on 28th August 2010
- **Sciclone’10**: an intercollegiate event organized by the M.Sc. students of the Department of Microbiology on the 9th of October 2010.
- **Impression: the annual media festival organized by** the BMM students of from 14th January to 16th January,2011
- **Euphony 2011**: was celebrated on 7th& 8th January, 2011.
- **Mathemight 2011**: Organized by department of Mathemight on 18th January.
- **Confluence**: the annual intercollegiate event of the BMS department conducted on the 31st Jan, 1st and 2nd of Feb, 2011.
- **Research Methodology** workshop: organized by the research circle from March 16 to March 23, 2011

16. Details of departments getting SAP / COSIST / DST.Fist etc. assistance/ recognition:

None

17. Community Service:

The National service scheme unit of our college provides a platform for the interested students to understand the social issues in its true perspectives and contributing towards social causes and the unit has created indelible foot prints by organizing various socially relevant programs and activities.

Following are highlights of the community services rendered by the group in the year 2009-210:

Enrolment drive and Orientation Program: Enrolment drive was conducted in the month of July and 111 boys and 89 girls were admitted for the program. In order to orient the newcomers, an orientation cum training program was conducted on 14th July, 2010 in college by NSS PO's.

Fund collection Drive: A fund collection drive was organized and Rs.1,500 was collected for the Hi-Tech Foundation, and NGO for the cause of physically challenged children. The unit set up a sale counter in the campus on 14th August as a part of Independence Day celebrations through which they sold national flags prepared by physically challenged children.

Thalassaemia awareness and detection program in the campus: The unit, in association with Rotary Club of Chembur and Faith Foundation, conducted a Thalassaemia awareness program and detection camp in the campus. Mr. Vinay Shetty of Faith Foundation created awareness through an intensive class room contact program on 22th July. Blood samples were collected from 368 students who were given clinical reports with necessary suggestions for further perusal of the case.

Blood Donation Camp: The unit organized two blood donation camps on 24th July in morning and afternoon sessions; it collected total 160 bottles in association with S.L.Raheja Hospital, Mahim and ESIS.

Blood donors club: Ever since the inception of the unit we have established a blood donors club in our college to provide blood on the spot to the needy emergency patients admitted in various hospitals. This year our volunteers could help 15 needy patients in various hospitals.

AIDS awareness program: AIDS awareness program in the campus, adopted village and slum area were also organized by the unit throughout the academic year. The volunteers organized an exhibition on AIDS awareness using materials supplied by Mumbai AIDS Control Society and those prepared by the volunteers during our AIDS awareness campaign. The exhibition was held in the campus on 26th December, 2010.

Participation in seminars and training programs: Three volunteers attended a leadership training camp organized by University of Mumbai at Don Bosco School, Karjat. Our volunteers also attended AIDS awareness seminars and workshops conducted by various colleges and NGO's.

Malaria Awareness Program: As instructed by the university NSS cell, we have established a disaster management cell in our college involving 30 NSS Volunteers as core volunteers. Our disaster management cell was very active throughout the year conducting various awareness programs on the theme of disaster management the campus as well as in our adopted slum pockets and our adopted village Sutraksar.

Rural Camp: As usual a rural residential camp was organized at our adopted village Sutrakar from 24th December, 2010 to 30th December, 2010. The theme of the camp was "Youth for Healthy India." The campers undertook various innovative programmes such as Water conservation, energy conservation, health and hygiene etc. An environment awareness rally was conducted in the village involving local primary school children. The volunteers also constructed a two small bandaras. Sports meet for locals, adivasi dance competition and cultural programs were also organized by the volunteers during their seven day stay in the village.

Primary school children were trained on health and hygiene, energy conservation techniques, etc. An environment awareness rally was conducted in the village involving local primary school children.

In addition:

Extending our support to various social causes, is something, we believe in, as an institution. This culture we try to inculcate among our students in various ways. Some such activities undertaken by our students are listed below:

- The students of the Additional Credit Program (an IQAC initiated program for advanced learners) group are involved in community service activities as part of their program
- This academic year College has initiated a cell called OUTREACH which provides a platform to motivated students to actively participate in social work. The students of the cell worked for the underprivileged, in various organizations This we felt is a great learning in itself.
- As part of outreach activity with the OUTREACH Cell, the TYBA students of Psychology visited children at “Umang”-a home for the mentally challenged run by Worldwide Children Trust. They expressed their sensitivity to the underprivileged and volunteered to celebrate birthday of one of the children at Umang.
- TYBA students of Psychology department conducted an awareness program on mental health at Raghuleela mall on 10th October 2010, to commemorate ‘World Mental Health Day’ declared by WHO.

FYBA students conducted an AIDS awareness program by making posters on 1st Dec 2010 to commemorate World AIDS Day.

18. Number of teachers and officers newly recruited.

Section	No. of faculty
Aided section:	00
Self Financing Course	03

19. Teaching & non teaching staff ratio:

For Aided section:

Teachers

46

Non-teaching staff.

31

Ratio = 3:2

For Self Financing Courses

= 3:1

20. Improvements in the library services:

The Library carried out the following activities for the Academic year 2010-2011 in its pursuit to encourage and enhance the use of the Library by students and improve the services extended to the students and staff.

(A) Readership Enhancement Programme.

1. Book Exhibitions : In our effort to improve the usage of the Library, we planned different activities that familiarized and encouraged the students to use the Library resources. The Library organized Book exhibitions to familiarize and encourage students to use the Library Collections. Library along with the Department of Environmental Science conducted one exhibition separately for F.Y.B.M.S. students on 18th January 2011. Books related to important Environmental issues like Global warming, Rain water harvesting, Disaster Management etc were put up on display. The department of Biotechnology conducted a display of books on 10th and 11th of February 2011.

(B) IMPROVING ACCESS TO RESOURCES :

- 1. Renewal of Membership to BCL:** Membership of the BCL was renewed after a gap of 2 years after the decision was made in the Library committee meeting. BCL will now not be available physically for browsing, but books can be ordered online.
- 2. E- Resource Centre:** Scanning Facility started for the students in the E-Resource centre.
- 3. The Library has renewed the membership of INFLIBNET of the N-LIST.** It offers access of **200 plus e-journals**. We have linked the same for the college website also for the convenience of the faculty members. This is one of the most remarkable feature added to the library collection this year.
- 4. Institutional Repository:** An Institutional Repository of Faculty Publications and Institute's Publication was set up in this academic Year 2010-2011 using the open source software D-Space. The same will be linked from the Website

in the next academic year after the data is completely added to the D-Space Repository.

In addition

- **Donation to the Library:** The Library received a generous donation of 700 books from Mr. Gangadhar (visiting Faculty BMM) to the Library. These are rich collections over time in different subjects from Literature, Politics, Economics and Journalism etc...
- **Student's Representative on the Library Committee:**
Ms. Ekta Singh of SYBCOM and Aakash Saigal of FYIT were selected as Students Representative for the Library Committee in the Academic Year 2010-2011 for a period of 2 years.

21. Number of new Books / Journals subscribed and their value:

EXPENDITURE IN LIBRARY (2010 - 2011)

	EXPENDITURE ON BOOKS (in Rs.)	NO. OF BOOKS	ACADEMICS JOURNALS (in Rs.)	READING ROOM (in Rs.) (MAGAZINES & NEWSPAPER)	TOTAL (in Rs.)
Aided Courses	360448.50	1118	15139.00	41157.00	416744.50
Self Financing Courses	449000.20	1255	33088.00	11374.65	493462.85
U.G.C. Development Grant XIth Plan	61822.10	75	39188.00	Not Applicable	101010.10
U.G.C.: Remedial Course	37294.95	83	Not Applicable	Not Applicable	37294.95
Mr. & Mrs. Pal (Donation)	21669.42	71	Not Applicable	Not Applicable	21669.42
TOTAL	930235.17	2602	87415.00	52531.65	1070181.82

22. Number of courses for which students assessment of teachers is introduced and the action taken on student feedback:

Student assessment of teachers in the form of feed back forms are collected for all courses. This has been our practice for several years now. The feedback is then discussed with principal and necessary steps are taken for improvement

23. Unit cost of education:

1. Aided section:

Unit cost of Education

Total Exp/total no. of students : Rs.30,838/-

2. Unaided section:

Unit Cost of Education

Total Expenditure / Total No. of students : Rs. 11,987/- per student

24. Computerization of administration and the process of admissions and examination results, issue of certificates.

- Examination Results processing is completely computerized .The software for this purpose has been developed by Mathematics faculty and the software can be updated as and when needed according to the requirement prescribed by Mumbai University
- Attendance compilation, calculation of relevant statistic for each individual student, identifying the attendance defaulters etc are computerized completely. This system has lead to much better involvement of students in the college activities. The software for this purpose is developed/updated by the faculty member of Mathematics department.
- Part of admission process and other processes of office are done by using computer.
- We have a software called “Students’ Administration Module” which caters to admission process for reserve category as well as for open category and fee

collection matters. This also provides database for attendance committee, examination committee, result committee and placement cell.

- We use Tally 9.0 package for Accounting purpose wherein daily vouchers are entered in and monthly accounts details are obtained.
- A Software “Path Infotech Solutions” is being used for filing Electronic Quarterly Returns i.e. eTDS.

25. Increase in the infrastructural facilities:

Building Infrastructure Enhancement :-

- The academic year 2010-11 brought in a wind fall in terms of space for our college. The engineering college run by our management shifted to a new campus in the month of December 2010 and as a consequence additional area of around 11625 square feet was made available to us by our ever supportive management. The additional space enabled more flexibility to conduct various academic and co-curricular/extra-curricular activities.

This additional space provided additional lecture rooms, two audio visual rooms, a math lab, a language lab, placement cell, sports cabin music club, sick bay, counseling cell and dedicated space for each department. Infra circle worked relentlessly to cater to the space related needs of every department

- The principal’s room was redesigned and a board room has been added to the office of the principal.
- The administrative office has shifted to a spacious hall and is completely redesigned to house the offices of both the aided as well as the non-aided sections. It is also very well equipped. This redesigning of the office has facilitated the convenience of both, the students and the staff members. The number of counters for different needs and requirements of the students have been increased, facilitating quick dissipation of work like issuing of various forms and cards, payment of fees, etc. It also accommodates examination room and storage for stationery.

The staff-room for the faculty members has been expanded to almost double the earlier size and it is now fully air conditioned.

Electronic infrastructure / equipments enhancement

- Several laptops, desktops, LCD projectors and printers were bought by using UGC development grant (XIth Plan).
- Biometric system was installed to register the entry and departure of staff members to and from the college premises.

Following tables give the details of additions to different infrastructure in the College and the cost thereof.

Particulars	Amount in Rs.
Office /Staff Room/Class Room Facilities	112772.00
Laboratories	181212.00
Computer Lab & Other Computer Facilities	82477.56
Library Recurring & Non-Recurring	360448.00
Student Amenities / Teaching Aid	83080.00
Time Attendance System (Biometric Based)	12600.00
Sports	452647.95
Staff Room Air Conditioner	53200.00
Total	133843750.51

26. Technology Up gradation:

The college is planning to install C.C.T.V., at various corners of the campus to enhance the security system.

27. Computer and internet access training to teachers and students:

All the teachers in the college are computer savvy and freely use the internet facility provided by the institution

- Many faculty members use various software for demonstration in their lectures. For this purpose we have equipped ourselves with a number of LCD projectors.
- Computers and Internet access are provided to teachers freely. Almost all teachers are conversant with the internet usage. Many faculty members are utilizing this facility to provide additional information to the students on various topics for projects etc.
- With the addition of a well equipped cyber café in the library premise the students are freely using internet for their group projects, individual assignment etc.)
- ACP student-group was given training in e-communication .in the month of May 2010.
- Students are also allowed to use the computers & internet facilities under the guidance of teachers in most of the departments.

27. Financial Aid to Students:

Following are the list of financial aid provided to students during academic year 2010-2011.

CATEGORY	TYPE OF ASSISTANCE	NO OF STUDENT BENEFICIARIES (AIDED SEC.)	NO OF STUDENT BENEFICIARIES (SELF FINANCING SEC.)
SC	Scholarship-Lower income group limit Rs. Below 1 lakh	72	33
	Freeship-Higher income group above 1 lakh	56	32
ST	Scholarship-Lower income group limit Rs. Below 1 lakh	1	?
	Freeship-Higher income group above 1 lakh	5	01
OBC	Scholarship-Lower income group limit Rs. Below 1 lakh	43	37
	Freeship- income group above 1 lakh	17	0
SBC	Scholarship-Lower income group limit Rs. Below 1 lakh	2	5
	Free-ship , income group above 1 lakh	5	2
NT	Scholarship-Lower income group limit Rs. Below 1 lakh	9	09
	Free -ship-Higher income group above 1 lakh	14	18

General	Adoption Scheme	0	23
General	Association of Non-government colleges(ANGC)	0	0
Scholarship	Financial Asst. to Needy and BC Students (University of Mumbai)	0	0
Scholarship	Minority communities	0	0
Fees Waiver	Fees Waiver to deserving students	0	03
	TOTAL	224	98

About 15% of Total Strength of Aided Section benefited.

About 16% of Total Strength of Self-Financing Section benefited.

29. Activities and support from the Alumni Association:

Taking pride in its rich and varied alumni, VES College is happy to state that it has been successful in establishing the 'VES College Alumni Association' with the objective of fostering and promoting feelings of brotherhood and friendship among its ex-students.

Our Website statistics indicate that every year there are new members joining the Alumni Association of the college

In this jet set age it is a task to organize an alumni meet, as our alumni is young and most of them are very involved and busy in their own occupation and career advancement. Also many of our alumni are stationed outside Mumbai

Yet we are happy to state that inaugural alumni meet was organized on 2nd October 2010, with lot of aplomb by the core committee of the alumni Association. This was a happy gathering of our ex-students ,who were eager to visit and support their alma mater. The objectives and the charter of the Alumni forum was discussed and finalized. This was followed by some of the alumni performing on the stage spontaneously. The

process of registration of the association with the deputy Charity Commissioner is going on & soon it will be a registered body. The Association has a Face book account which it is using to reach out to more alumni. It was decided that 2nd October being an auspicious day and national holiday, every year alumni meet will be conducted on this day.

The support provided by the alumni group of our institution on various instances are as follows:

- As is the customary, the college trek in the month of August and January were conducted with the active participation and support of our alumni trekkers .
- Our alumni duo Mr.Pankaj and Mrs.Priya, owners of a dance academy, not only helped to train groups of our students for dance competitions and performances but also sponsored the first and second prizes for all the dance categories during our annual festival. We acknowledge their contribution with appreciation.
- Some of our ex-students who are expert sports men , have come back to us as trainers and Coaches for new batch of students. These ex students also help to organize various events on Annual Sports days and help in efficient conduct of the events.
- Dr.Vasant Murlidharan, our proud alumni of 1998 batch belonging to the department of Microbiology, currently Research Associate at Washington University visited the department on 11th June 2009.He interacted with the entire staff and students for the whole day. He acquainted the teachers with his current research work on repeat sequences of tryptophan residues in the protein profile of the malarial parasite Plasmodium falciparum. It is indeed a matter of pride to the department that his work has been subsequently published in the international science magazine of repute, Nature in the same year.
- Microbiology Alumni Association (MAA) conducted a guest lecture by our eminent Alumnus of the 1997 batch, Dr. AniruddhaDeshpande, currently at Harvard School of Medicine, Boston, USA on ‘Stem Cells – The good, the bad, the ugly’ on the 24th of June, 2010. The talk was attended by the staff and students of both Microbiology

& Biotechnology & was well appreciated by all. He also counseled students for opportunities in research areas in Biological Science.

- Our alumna of the year 1985 Dr. Sanjay Sanghvi conducted a talk-cum-demonstration on 'Feminine Hygiene Healthcare Product' of Winalite International, on the 26th of June, 2010. It gave an insight into the 'Anion Technology' used in the product. The programme was organized for all the girl students and female staff members of the college by Microbiology alumni Association in collaboration with women's development cell
- One of our alumni, Mr. Pratik Mehta, of the department of IT, has completed MS in USA. He was invited by the department to share his experiences and views with TY students on 30th June 2010.
- Another alumna of department of CS, Mr. Govind, currently working in HCL and a free lancer, develops project and web sites for companies. He shared his experiences with our TY students to help them in their project work on various occasions.
- On 18th Sept '10, one of the Alumni, Mr. Himashu, who is currently working in Accenture, conducted a seminar on "Testing" for TY students of computer science. He introduced them to the field of the Testing and the type of job that testers have to do.
- On 28th of December '10, Mr. Vishal Rohara, one of our ex-students had conducted a session for TY and SY students of computer science.. This session was to guide them through the interview process.
- One of our alumni Mr. Amit Chorasiya, guided the TYIT students to prepare for placements and the final semester project on 24th July.
- On another occasion our alumni Shouvik Dey, Prabhu Balu and Arun guided the TYIT students to prepare for the placements (31st July 2010).
- On Freshers' orientation program, which was conducted on 7th of August., our alumni students Niraj Gurnani, Milind Thakker, Anup Chandran, Pintu Maity, Arunkumar, Sushant Dixit, Flora Dedhia, Ravi Patil and Prabhu Balu participated and shared their experiences with FYIT students regarding "IT and its importance" in the industry.

- An alumnus of department of BMM, Pradeep to Roy, who is pursuing his three year film making course, in Film and Television Institute of India (FTII) Pune, briefed the students of current batch, on the entire process of editing on 25th March, 2011. during the industrial visit.

30. Activities & Support from the Parent -Teacher Association:

Formal Parent Teacher Association does not exist for our college. However, college keeps in touch with Parents through orientation meetings and departmental meetings.

For first year students of every stream we organized orientation program in which parents were invited. These programs were concluded with an interactive session where the queries of parents about the system, opportunities etc were attended by the faculty members of the college.

Parents of IT/computer Science, Chemistry and Micro biology conducted parent teacher meetings for third& second year students in the beginning of second term to update the parents about the attendance statistics, performance and activities of their ward.

On 18th Sept '10, Parents meet was held for FYCS students.

On 4th December ,Parent- Teacher meeting was organized for the T.Y.B.Sc.(Chemistry) class. It was held to apprise the parents of their wards performance and to counsel them regarding their future career prospects.

On 29th of January, 2011, Parents meet for all FY students was held. This was specially arranged to deal with attendance defaulters and also to brief students on the norms and practices of the college.

The objective in all this meetings was to get parents support in bringing out the full potential of each student and give an opportunity to the parents to interact with the faculty members and get their queries about the system, opportunities and support answered.

Also informs them about placement activities and how important it is for the students to get a first class in all the years.

31. Health Services :-

The institution has a well-equipped Gym in its premise for the staff members.

A sick bay is being planned with the expansion of the college.

32. Performance in sports activities:

Some of our star performers in sports, participated in different competitions organized by the sports associations, University of Mumbai and various Mumbai colleges. Following is the record of student's achievements at national level, University level and other sports competitions.

INDIVIDUAL EVENTS:

NATIONAL LEVEL

1. Mr. Wasim Khan (F.Y.BMM) won the Gold medal in Open National Level "Karate Championship" organized by 'Indian Amateur Sports Karate-Do Association'. The tournament was held at Sanpada, Navi Mumbai, on 1st January 2010.

STATE LEVEL

1. Mr. Sushil Shirke (S.Y.B.Sc) won the Bronze medal in "Best Physique Contest Tall Group", Competition called "Maharashtra Uday" organized by 'Amateur Bodybuilders' Association of Maharashtra' on 24th December 2010 at Andheri Sports Complex, Andheri, Mumbai.
2. Mr. Wasim Khan (F.Y.BMM) won the Silver medal in State Level "Taekwondo Tournament" organized by 'Akhil Bharatiya Vidyarthi Sena'. More than 200 participants had registered for the tournament. The tournament was held in Lonavala (Kamshet) on 25th and 26th December 2010.

DISTRICT

1. Mr.Wasim Khan (F.Y.BMM) won the Bronze medal in the "Mumbai District Kickboxing Championship - Senior Age Group" organized by 'District Kickboxing Association Mumbai' on 11th July 2010 at Traven Sangam School, Currey road, Mumbai.
2. Mr.Sushil Shirke (S.Y.B.Sc) won Silver medal in the "4th Mumbai Suburban District Amateur Body Building Championship 2010 Tall Group", Competition called "Brihanmumbai Upnagar Uday" organized by 'Haushi Sharir Saushtav SevaSanstha' on 28th November 2010 at Chhatrapati Shivaji Smarak Samiti, Vile Parle (E), Mumbai.

INTER-UNIVERSITY LEVEL

Miss Pooja Sharma was selected to represent Mumbai University for the Inter-University Competition in 'malkhamb' held in Punjab between 1st November and 5th November 2010. The Mumbai University team secured the second position at this competition. Miss. Pooja Sharma also won the Bronze medal in the individual event.

UNIVERSITY LEVEL:

Individual events

1. Inter collegiate Athletics Competitions for men & women were organized by University of Mumbai at University sports complex, Marine Lines, Mumbai on 13th November and 14th November 2010. Following are the achievements of our college students:
 - Ms.Kanchan Jadhav (T.Y.IT) won the silver medal in shot put.
 - Mr. Rajesh Yadav (F.Y.B.Sc P.C.MICRO) secured 4th position in High Jump.
 - Mr.Jayprakash Singh (S.Y.B.Com) secured 6th position in 10 Km walk.
 - Ms.Vimla Chandra (S.Y.B.Sc P.C) secured 5th position in 100 M. run
 - Ms.Vimla Chandra (S.Y.B.Sc P.C) secured 6th position in 5 Km walk.
 - Ms.Vimla Chandra (S.Y.B.Sc P.C) secured 7th position in High Jump.

- Ms.PrachiSuvarna (F.Y.B. Com) secured 6th position in Long Jump.
 - Ms.Prachi Suvarna (F.Y.B. Com) secured 8th position in 110 m Hurdles.
 - Ms.Supriya Adhikari (T.Y.B&I) secured 8th position in Long Jump.
 - Mr.Amit Bhosale (T.Y.B.Com) secured 6th position in 110 m Hurdles.
2. Mr.Sushil Shirke (S.Y.B.Sc) won the Bronze medal in "Best Physique Contest" organized by University of Mumbai at N. G. Bedekar College of Commerce, Thane on 4th September 2010.
 3. Mr.Ashish Paned (S.Y.BMS) and Mr.Bhavesh Jaisinghani (T.Y.IT) qualified for the Chess tournament through initial elimination rounds which were conducted in the month of August 2010, by University of Mumbai..Mr.Ashish Pande (S.Y.BMS) stood at 19th position after securing 3.5 points and clearing 6 rounds. Around 120 students from various colleges had participated in the tournament.
 4. Miss Pooja Sharma (F.Y.B&I) won the Silver Medal in Inter-collegiate "Rope Malkhamb Competition" (2010 - 2011) for women organized by University of Mumbai at B. P. C. A. College, Wadala on 15th October 2010.

Team Event:

1. Inter-collegiate Table Tennis Tournaments (2010 - 2011) for Men and Women were organized by University of Mumbai at University Sports Pavilion, Marine Lines, Mumbai - 400 020 from 3rd to 7th August 2010.
 - a) The men's team of our college qualified for the pre-quarterfinal round. Our college team was amongst the top 16 teams from approximately 130 teams that participated in the tournament.

Mr.Satish Saindane (T.Y.B.Com) qualified for the 2nd round

Mr.Narash Rayal (T.Y.B.Sc. IT) qualified for the 3rd round,.
2. Inter-collegiate Badminton Tournament (2010 - 2011) for Men and Women were organized by University of Mumbai at University Sports Pavilion, Marine Lines, Mumbai - 400 020 from 9th to 14th August 2010.

- a) The men's team of our college qualified for the quarterfinal round and was amongst the top 8 teams from approximately 120 teams that participated in the tournament.

Mr. Somnath Sonawane (S.Y.B.Com) qualified for the pre-quarter final round. He was ranked amongst the top 16 players

Mr. Roshan Lad (T.Y.B.Sc.), qualified for the 3rd round.

- b) The Women's team of our college qualified for the 3rd round.

Miss. Lakshmi Lavanya (M.Sc-Micro) and Miss. Ayesha Tarranum (T.Y.B&I) all qualified for the 3rd round.

3. Inter collegiate Kho-Kho Tournament (2010 - 2011) for men were organized by University of Mumbai from 27th October 2010 to 31st October 2010. Our college team qualified for the quarter-final round from the East Zone (comprising Mumbai suburbs) in which 16 college teams had participated
4. Our College Handball Team (Women) secured 6th position at university level. In all 16 teams had participated in the tournament.
Ms.Ekta Singh (S.Y.B.Com) and Ms. Meghna Tank (S.Y.B&I) got selected for Mumbai University Hand Ball Team
5. Our college Cricket Team qualified for the fourth round held in Zone II for the first time held from 26th Nov 2010 to 11th Nov 2011. This feat achieved by the team has brought pride and prestige to the college.

Achievements at various competitions organised by other colleges:

1. Mr.Somnath Sonawane (S.Y.B.Com) won Gold medal in 'Badminton - Men's Singles, Men Doubles, & Mixed Doubles' organized by Somaiya College in December 2010.
2. Mr.Ashish Pandey (S.Y.B.M.S) secured First position in "Chess Tournament" in Inter-collegiate competition called "Astra 2010", organized by 'ICLES' Motilal Jhunjhunwala College', on 6th December 2010 at Jhunjhunwala College, Ghatkopar (E), Mumbai.
3. Mr. Sachin Sharma secured Second position in "Chess Tournament" in Inter-collegiate competition called "Harsh - Ullas", on 9th December 2010 organized by Sydenham College, Churchgate, Mumbai.
4. Mr. Sachin Sharma secured Second position in "Chess Tournament" in Inter-collegiate competition called "Techczar", on 17th December 2010 organized by 'Akbar Peerbhoy College of Commerce and Economics', Grant road, Mumbai.
5. Mr.Sushil Shirke (S.Y.B.Sc) won the Bronze medal in "Best Physique Contest" Competition called "Gandharva" organized by 'N. G. Bedekar College of Commerce', Thane on 18th& 19th January 2010.

The annual sports meet in the college campus

The student in large numbers participated in various sports events during the annual sports meet. This year the event was conducted on 8th, 9th and 10th November 2010.

Students from various streams, courses and classes were grouped into the following four houses. **Agni- Prithvi– Surya – Agni - Akash – Prithvi– Surya-**

The best group was selected according to the collective performance of the group.

1. The following events were organized as a part of the Annual Sports Meet The best group was selected according to the collective performance of the groups.–

Indoor events	Badminton, Table Tennis, Carom & Chess
Track events	100m, 200m, 400m, 800m, 1500m for Men and Women, 5000m Men and Relay 4 X 100m Men and Women.
Field events	Discus throw, Shot put, Javelin throw & Long jump
Team events	Cricket, Foot Ball, Volley Ball & Kabaddi

33. Incentives to outstanding sportspersons:

Best Player, Best Athlete awards for girls and boys were given to encourage outstanding sports persons. List is as follows:

Best Athlete (Boys)	–	Mr. Roshan Lad (T.Y.B.Sc - Chemistry)
Best Athlete (girls)	–	Miss. Vimla Chandra (S.Y.B.Sc. [Micro])
Best Sportsman	–	Mr. Somnath Sonawane, S.Y.B.Com
Best Sportswoman	–	Miss. Vimla Chandra, S.Y.B.Sc

The Student Council Sports representative for the year was Ms. Vruti Tank (S.Y. B&I) Along with there Awards *Best house* was also recognized

34. Student achievements and awards:

Following are the laurels brought by our students, which have done us proud in the academic year 2010-11,.

- Mr. Vijay .J. Vigof our college is one among the top five students to score distinction marks in the M.Sc. Microbiology examination of Mumbai University. (University Examination held in April 2011).
- Mr. Surya Kesavan from the department of Information Technology scored 82.5% in the third year B.Sc. I.T., Mumbai University Examination.
- Ten of our IT Students scored above 80% marks in the third year B.Sc. I.T., Mumbai University Examination.

- 14 students, out of 112 first class of 278 students, scored above 80% marks in the third year B.Com Mumbai University Examination.
- One of our B.Com students did us proud by scoring 98/100 in the papers titled “Direct indirect taxes” and “Industrial Psychology” of T.Y. B.Com Mumbai University Examination.
- One of our B.Com students scored 94/100 in the paper titled ‘Computer system & Application’ of T.Y. B.Com examination, Mumbai University

Other than University Examination:

- This academic year two of our students – Sufia Khan of T.Y.BMM and Pratik Batla of T.Y.B.Com. Participated in the seminar of “1st Parliament of Indian Student Council Leaders” at Pune. MIT School of Government Pune in association with Ministry of Higher and Technical Education, Govt. of Maharashtra and supported by UNESCO and World Peace Centre organised this program from January 12-14, 2011 at MIT Campus, Pune, comprising of eleven sessions.
- A group of students from department of Biotechnology won the second Prize for their project on “Waste Management in College Laboratories” at a State level competition, titled Shrushti Mitra Award instituted by Department of environment , government of Maharashtra on 5th June 2011, the eve of world environment day.

Co curricular/Extracurricular Activities:

This year also our students have shown outstanding performance in the intercollegiate co curricular events. A large contingent of students participated in various events and received prizes in paper presentation, case study competition, music, dance, instrumental, fine arts and literary events. Following is the record of some of the prizes won by our students at Intercollegiate and University Level for Events organized by Association of University and different colleges of Mumbai:

Mumbai University Youth-Fest 2009-10, at the Zonal Round:

1. Rangoli – Vrishali Ghadge of S.Y.B.Com. (B&I) – Ist Prize

2. On the Spot Painting – Suman Badhotiya of S.Y.B.Com. – IIIrd Prize
3. Poster making – Harish Chaubay of F.Y.B.Sc. – IIIrd Prize
4. Cartooning – Sneha Talreja of S.Y.BMM – IIIrd Prize
5. Elocution (English) – Betsy Andrews of F.Y.B.Sc. – IInd Prize
6. Elocution (Marathi) – Meghna Palaskar of S.Y.B.Sc. – IIIrd Prize
7. Wn. Solo Singing – Reema Thakur of F.Y.BMS – IInd Prize

In the final round of the Youth-Fest, Aniket Gupta of T.Y.BMM received 1st prize in 'Photography' event.

At Inter-Collegiate Level (festivals/competitions organized by various Mumbai colleges).

- The TY students won the first prize in a Bioskit competition at 'Primers '10' an inter-collegiate fest conducted by the Biotechnology department of Elphinstone College from 2nd to 4th Dec, 2010. Their skit entitled 'Lagerahocolibhai' was based on the theme 'Microbial Ecology'.
- Ms. Kshama Kamath and Ms. Shehnaz Barbhawala (TYBSc) won the 2nd prize in a Biotechnology quiz competition at 'Paradigm' an inter-collegiate fest conducted by Khalsa College in Jan 2010..
- Ms. Ishita from TY computer Science had won the 1st prize in Debugging and Mock Placement event conducted by Ruia College
- Three TY students of department of Microbiology won the first prize in an event titled 'Micrologue' organized by Ruia college.
- Our T.Y. & F.Y. students of biotechnology won prizes for model making in the event 'Best of Waste.' Organized by RD National College.
- The students of the department of IT, participated in the festival conducted by ICL, College and won the **"Best College trophy"** in the ICL College. The students participated in C-Programming, debate and Quiz.
- In Vivekini's 'Chaitanya' Dhanya of S.Y.B.Com. (B&I) received 1st prize in Bhajan.
- Pratibha Mojral of T.Y.B.Sc. (IT) received IInd prize in Classical Vocal (Dhrupad)

- Divya Iyer of T.Y.B.Sc. (IT) received IIIrd prize in Bhajan

35. Activities of the Guidance and Counseling Unit :-

The Counseling cell of our college was formally established six years back with the objective to address personal and emotional problems of students in the campus. The initiative was taken by the Psychology department. Since then the cell actively makes effort to support students with emotional difficulties.

This year too, students from all the three streams of Arts, Science and Commerce benefitted from this facility. Students brought not only their academic concerns but also many other mental health issues like mood problems, relationship issues and family discords. *Two cases* of likely suicide were successfully prevented with timely intervention. *One* student was referred for professional help outside.

36. Placement services provided to students:-

Vivekanand's Career Guidance Cell has extended its services to students as well as to outsiders for almost thirteen years. Having benefited from Career Counseling, several students have thanked the college in their own ways from time to time.

Cell began afresh in 2010 – 2011 with career profiling of every Arts and Commerce student at the first year level saving almost over 400 files in its closet.

At ground zero level the act involved deliberations by students themselves on their careers in light of their abilities and aspirations.

The students were assigned small academic tasks in order to prove their mettle for their choices. The Career Guidance and Placement Cell actually plans to catch these students when they are young and help them grow into their vocations.

This academic year had its usual routine of career talks in various sectors like Aviation Industry, Service Sectors, Hospitality Industry, Higher Education Opportunities and on Preparation for Competitive Exams

But the highlight of this year was an entire Career Fair-cum-Fest called “KALARATNA – KARMA” that was **hosted by the Career Guidance and**

Placement Cell. Hosted on 28th and 29th of January this year, the two day festival “KALARATNA – KARMA” encompassed:

- Orientation seminars on various careers,
 - One to one counseling sessions by various departments and
 - Over 70 exhibits both for the in-house students and for those from outside.
- Veteran counselor, from Vivekanand Education Society’s Vocational Guidance Centre also made valuable contributions for the career exhibition.

Besides planning, the Career Guidance also worked hand in glove with the Placement Cell for students' internship and final job placements. Offers.

37. Development programme for Non – teaching staff:

Two of our non teaching staff members participated in one day state level workshop on “Emotional Intelligence”, organized by Non Teaching staff of Shri. M.D. Shah Mahila College of Arts and Commerce affiliated to SNTD Women University on 3rd Feb. 2011.

38. Healthy Practices of the institution:

Following are some healthy practices adopted by our institution

1. Forum time:

We have kept a reserved time slot of one hour on every Saturday in our time table, for co-curricular, extra curricular activities. This time slot is know as "Forum Time". During this time no lectures are held. Instead co-curricular activities, extra curricular activities and association events are organized. The forum time is a special feature of our college and it provides our students opportunity to perform/learn/interact and communicate. This is a unique feature of our institution.

2. A **specially designed diary** is provided to the faculty members at the beginning of the academic year which they use to record their daily activities in the college (curricular, extra curricular and co-curricular) This in fact serves as a log book as well as planner for the teachers

3. Complete automation of **attendance records** of students and continuous **monitoring** of it, This has helped many defaulting students to reform their ways.
4. **Personal counseling** by the members of Counseling cell.
5. **Counseling** for those students who have resorted to **unfair means** in the examination.
6. (List of some best practices are attached at the annexure of AQAR every year.)
7. **Career counseling**
8. **Placement cell**
9. **M³ Contest**, a Mathematics challenge contest held every year for the interested students of Jr. College as well as Sr. College.
10. Mathmight Activities of **Subject Association**.
11. Preparing our students to Participate in ‘A.D. Shroff Memorial Elocution’ under the banner of **Forum for Free Enterprise** Mumbai.
12. Special **Book Browsing** days in the library, book exhibition
13. **ACP**, a specially designed program for advanced learners.
14. Workshop on Bioinformatics for T.Y.B.Sc. students of Microbiology to make the students understand Biology at molecular level
15. Specially designed ‘**Talent nurture program**’ in Physics and Chemistry
16. Remedial programs in Physics, Math, Economics, Commerce are conducted
17. **Best student award**.
This award is given on the basis of academic excellence, multifaceted achievement in extra-curricular and co-curricular activities, leadership potential, exemplary behavior and discipline.
18. V.S. Rajan Merit Scholarship awarded to the B.M.S. Topper student.
19. Special award for **differently abled** students and felicitation of their parents.
20. Maintenance of monthly Activity report meticulously.
- 21 The Language improvement programme Called “Towards better communication in English Language” initiated by IQAC.

39. Linkage developed with National /International, Academic /research bodies:

- This year the department of Economics has developed an understanding with the Communications Department of Reserve Bank of India whereby they are helping our Library update itself on some very valuable and latest RBI publications that are not available for sale in the market. We have acquired books (all complementary) published to commemorate 75 years of RBI like
 - RBI Brochure (ten copies),
 - RBI: Working and Functions (ten copies), and
 - Mint Road Milestones: RBI at 75.
- Our college signed an MOU with Patni computers on 27th February 2009 (ref. (AQAR 08-09).
- Under MoU with Patni, a first lecture was conducted on 19/06/2009 by Mr. Mahesh Dubey on PL/SQL block.
- On 10/08/09, Mr. Anil Patil from Patni conducted a seminar on ‘Object Oriented Programming’ for the students of SYCS & IT. This subject is important since both the streams have to study OOP languages in TY and do projects in them.
- The departments of Chemistry , and computer Science are in regular contact with various departments of **Bhabha Atomic Research Centre**. Our students work in some of these departments for their projects, which in turn prepare them for global challenges. Scientists from various departments of **BARC** are invited to address the students on different topics.

40. Any other relevant information the institute wishes to add:

Ref (Pages 06—11) & (pages 56—59)

List of some best practices adopted by our institution is mentioned in the IQAR of 2005-06, 06-07,07-08, 08-09 & 09-10). These practices are getting internalized into the system with the efforts of students, teachers and management.

Part C

Explain the plans of the institution for the next year.*

Our college has continued to strive for enhancement of Quality in every aspect in the year 2010-11 and will continue to do so in the years to come.

Following are some of the plans of the institution proposed for the **next academic year**.

Value Addition Programmes:-

- The Departments of Economics and Physics of our college have planned UGC sponsored seminars at state -level in their respective subject fields. In this connection the departments have put forward the applications to UGC office.
- An intercollegiate workshop was planned for the year 2011-12 titled “Advances in Rapid Microbiology and Food Safety” with Shah Brothers Mumbai for Postgraduate students of biological sciences from Mumbai University colleges. The workshop consisted of lectures by Professional from Shah Brothers followed by hand-on training session on latest technique in food analysis (already conducted).
- A workshop on Bio-Informatics was planned for the year 2011-12 (Already conducted) .
- A ten days certification course titled “Capital Markets” is planned jointly by departments of BMS,B.Com (B & I) & B.Com(F.M.). This will be conducted by Interconnected Stock Exchange (going on at present).
- Department of computer science has plans to introduced M.Sc. in Computer Science affiliated to Mumbai University.

Infrastructural extension

- Additional Computer Laboratories are on the cards .These will ease the pressure on existing labs as well as facilitate ‘hands on training’ for the students. It will also provide an opportunity for economically backward students of other departments to get familiarity with basic computer usage.
- Math lab and Media lab to be activated totally.

- Plans to set up fully equipped 'Audio Visual' rooms for conducting Seminars/workshop/Conferences are in the pipeline.

Extension Activities :-

- College plans to take up the extension program of the department of Life Long Learning and Extension of Mumbai University. CWDC is fully involved in this venture. Under this activity a survey on women is planned.

Skill Addition:-

- CWDC has a plan to conduct an advance program in Martial art for women's self-defense for the students of our college.
- * *Some of the the planned action for 2011- 12 are already in the offing at the time of dispatch of this report.*

Co-ordinator IQAC.

Name:-

Signature :-

Chairperson IQAC.

Name:-

Signature:-