



VIVEKANAND
EDUCATION
SOCIETY

**VIVEKANAND EDUCATION SOCIETY'S
COLLEGE OF ARTS SCIENCE & COMMERCE
CHEMBUR, MUMBAI 400071
ANNUAL QUALITY ASSURANCE REPORT
2009-10**

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ANNUAL QUALITY ASSURANCE REPORT
(AQAR)
2009-2010

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V.E.S. College of Arts Science & Commerce
Chembur, Mumbai 400071
The Annual Quality Assurance Report (AQAR) of IQAC
2009-10

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:

IQAC of our college completed its sixth academic year in April 2010

The cell began its activity in the academic year 2009-10 by organizing 'Alumni Evening', on 20th June .It was heartening to see our ex students from different streams, coming back to their alma mater for a tête à tête. The program started with a brief slide show depicting the advancement of the college in last ten years, in various fields. This was followed by a discussion on the procedure of registration of alumni association. About ten of our Alumni present volunteered to be the founder members of the forum. The objectives and the charter of the Alumni forum was discussed and finalized. This was followed by a hearty dinner.

The annual Quality assurance report of the college, the AQAR 2008-09 , was sent to NAAC office Bangalore, in the first week of July 2009

Apart from its regular activities, this year IQAC members were fully involved in getting the 'Re Accreditation Report' ready .This was a marathon task, and the entire college heartily supported the NAAC steering committee, in this work. "It is not just a report writing task but a total retrospection of our activities of the last five years", Dr.Mrs.Nagpurkar , the coordinator steering committee , said when we began this task. Now after almost a year when we have compiled the report fully and are on the verge of sending the report we feel that we have learnt a lot from this retrospection.

In the month of January 2010 the whole college was abuzz with the preparation of National seminar on 'Global Warming' .The seminar was organized & hosted by our Research Circle. The members of IQAC were fully involved in the conduct of the seminar

on 'Global Warming'. The seminar was a great success and very well appreciated by the participants.(report in pg no.8)

During the summer vacation, the language circle of IQAC once again organized the program called "Towards better communication in English Language", for students who wished to improve their communication skills, written as well as spoken.

The program took off on 5th April 2010 for the students of F.Y. & S.Y. Classes This was a month long program and continued till the end of the academic year 2009-10. We sincerely believe that this program helps to improve the communication skill of some of our eager students. This in turn enhances their employability & scope for higher education

The additional Credit Program, which was launched by IQAC in the year 2007 for advanced learners, is steadily getting internalized in the VES system.

A select group of ten students of First Year joined the program this year. The interdisciplinary module of the program started with the self enhancement workshop in the last week of April 2010 This was followed by training in 'Electronic Communication', workshops in ' Law –know your rights', 'Economics', 'Statistics' and hands-on training in 'Food technology'. The first module, which culminated in the second week of May, was well appreciated by the participants. These participants are presently in the process of finalizing the topics for the second module which deals with their subject of interest.

As decided in an earlier meeting of IQAC, each Quality Circle and ACP committee carried on their respective tasks independently. It may be recollected that IQAC of our college had initiated the formation of several Quality Circle in the year 2008, the year of "quality Enhancement "declared by NAAC.

The college website and IQAC web page is updated .

IQAC members met at the year end on 13th May 2010 to review the year gone by and to begin plans for the next academic year.

It was deliberated that the year 2009-10 was an extra ordinary year for the college and therefore for IQAC also , as following events took place:

1. Writing of RAR(the reaccreditation report)
2. Mumbai University, College teachers strike.
3. National seminar on global warming.

It is customary for IQAC to start the year with a brain storming meeting, but in the beginning of this academic year no such IQAC meeting could be held, as the yearly time line was disrupted by the strike.

Albeit cell members met several times as members of different 'NAAC reaccreditation committees' and deliberated on the criteria wise progress of the institution at length and in the process identified certain deficiencies of the institution as well. One of the agenda of IQAC in the year to come is to wipe these deficiencies out.

Despite the odds the national seminar initiated and organized by the Research Circle and hosted with full enthusiasm by the entire institution was a great achievement in the academic year 2009-10 & thus our institution marched ahead with determination, towards its quality objectives.

Following pages contain some special highlights of our institution:

Our star performers in the ACADEMIC FRONT(2009-10)

- Ms. Rameshwari, B.Sc. (Computer Science) did the college proud by achieving **First position** in the Merit list of Mumbai University
- Mr. Rian Monterio B.Sc. (Computer Science) secured **Third position** in the Merit list of Mumbai University.
- One of our B.Com students did us proud by scoring **100/100** in the paper titled ‘Direct indirect taxes” of T.Y. B.Com examination ,Mumbai University
- Two of our B.Com students scored **98/100** in the paper titled ‘Computer system & Application” & the paper titled “Industrial Psychology” of T.Y. B.Com examination, Mumbai University
- 14 students, out of 148 First Classes of 292 students, scored **above 80%** marks in the B.Com third year Mumbai Univ. Examination.
- Three out of 35 Students scored above 80% marks in the B.Sc. (BioTech) third year ,Univesity examination.

Result comparison

- TY BSc89% as compared to University overall result 64%
- TYB Com..... 86% as compared to University overall result 64%
- TYBA..... 74% as compared to University overall result 75%
- TY BMS..... 85% as compared to University overall result 61%
- TYB Com(B/I).....98% as compared to University overall result 95%
- T.Y.BMM 100 % as compared to University overall result 94.%

Some very special achievements of Our students

- Mr. Aditya Garg bagged the third rank among the top sixteen students from Pune and Mumbai Region in a Mathematics competition, for S.Y.B.Sc. students called 'Madhava Mathematics Competition'. The event was organized on 3rd Jan 2010, by Homi Bhabha Centre for Science Education (TIFR), Mumbai & S. P. College, Pune, under the aegis of: National Board for Higher Mathematics.
- Two students of TYBA Psychology- Supriya & Chinmay made us proud - by winning the first prize in the paper presentation competition organized by M.D. Mahila Shah College, Malad on 6th Feb 2010. The paper titled "Carl Roger's contribution to Psychology" is a scientific paper researched by them.
- Mr. J.Chandrashekhar, Mr. Virochan Chavan and Mr. Ronak Patel from S. Y. (Biotech) and Mr. Vivek Parab from S. Y.(Microbiology) won the First Prize of Rs. 10000/- for their project on "Waste Management in College Laboratories" at a State level competition titled "Vidnyan Sanshodhan Puraskar" on 28th February 2010.
- SYBA students – Krishna, Swati & Dimpny, won the **first prize** for their researched paper, titled "Stress among Adolescents Due To Parent-Child Conflict", which they presented in the inter-collegiate paper presentation competition organized by Shri. P. N. Doshi Women's College of Arts, on 9th February 2010.

KHOJ 2010

On 21st and 22nd Jan 2010, the Research Circle of our college organized a National Level Interdisciplinary Seminar 'KHOJ 2010' and a Scientific Poster Competition on '**Global Warming: Causes, Consequences and Coping Strategies**' in collaboration with Rashtriya Chemicals and Fertilizers Ltd.

The seminar was so structured as to have proper combination of analysis advocacy and action in the area of global warming and related issues.

Among other things the programs included screening of documentaries by Paryavaran Dakshata Manch and sharing of the experiences by the activists spreading the message on global warming.

Delegates from Haryana, Goa and Maharashtra were present on the occasion. 35 teams from different colleges participated in the Poster competition.

Dr. Sanjay Deshmukh Head of Life Science department, University of Mumbai delivered the keynote address. Another prominent presentation was made by Dr. Rakesh Kumar, Scientist, NEERI

The highlight of the seminar was the special case study presented by some farmers from Haryana who have obtained and traded "Carbon Credits" under the "Clean Development Mechanism". There was also a presentation by Ms. Ruchi Jain, India Co-ordinator of 350.org, who was a part of the Indian Youth Delegation to the recent Copenhagen Summit.

Science Day Celebration

On 23rd February 2010 the circle celebrated 'Science Day'. On this occasion the students of B.Sc staged three skits on the theme of 'Environmental Pollution and Sustainable Development'. Skits received standing ovation from the audience

Remote Sensing, GPS and GIS Techniques

Department of Environment science organized a Talk and slide show on "**Remote Sensing, GPS and GIS Techniques, Application & Knowledge Building**" on 17th February, 2010.

Dr. Raghavswamy, Group Director, **Geoinformatics and Urban Studies, ISRO, Hyderabad** made a wonderful presentation.

He also made a presentation on **Chandrayaan I**.

SAW

- The department of B.M.M. organized a Social Awareness week (SAW) from 23rd to 27th November to make the students of the institution aware of their social responsibilities. The three sub-themes of SAW were “Start literacy”, “Save Environment” and “Stop Violence”.

RAGA

The media group organized its annual cultural event – RAAGA, which is an initiative of the department to **preserve and nourish the great culture of our country**, on 10 August, 2009. Well known classical music exponent Shri Satish Vyas was the chief guest and the theme of this year's event was Vividh Milap

Extraordinary Award

This year our college instituted a special award sponsored by Shri Shyamlal Damani, Founder Chairman of Rajasthan Udghosh Foundation Trust for extra-ordinary performance by a **specially challenged student**. This trophy was personally given to **Miss Vaishali Laxman Khodade**, T.Y.B.Com., during our college prize distribution function on 24th February 2010 for her **creative poetry** in Marathi. Miss Vaishali has been writing and presenting her poetry in college as well as in inter-collegiate competitions organized by certain prestigious Marathi institutions and Mandals . She has won several prizes and her poetry has been appreciated by well-known poets in Marathi literary circles. Her poetry reflects her sensitivity and positive attitude towards the mystery of life. We are proud of Vaishali

Inter collegiate Events organized during 2009-2010

Sagacity :-

The department of I.T. and Computer Science organized its annual festival “Sagacity” on 4th 5^h & 6th September 2009, A ‘technology festival’, this mega event included “Hardware Workshop” “Gaming Events” “Embedded System workshop” etc.. To broaden the spectrum of Sagacity, organizing committee introduced Track Racing in Robotics –a brilliant simulation of sumo wrestling with robots . Sagacity opened its gates far and wide by inviting students from **75 colleges** across the city that included graduates, postgraduates and students of Engineering streams The response received from the guest colleges was truly inspiring with more than **1900 students** coming in from various colleges. Sagacity went LIVE on Red FM on the 4th & 5th of September.

'Bioeffervescence 09':

The Biotechnology Department organized their annual intercollegiate academic festival 'Bioeffervescence 09' on 7th September 2009. there was a huge participation of 240 students from **15 colleges**. The highlight of this year was launching of an in-house departmental magazine 'Bioeffervescence' which had information about career options after B.Sc (Biotechnology), articles on swine flu, exobiology, synthetic biology, DNA origami etc along with puzzles, crosswords and facts The event was sponsored by Punjab National Bank, Tata Power Ltd., NIIT, Hi-Media, Girish Optics, Mars Tours and Travels, Norosa Publication and Public Health Committee (Municipal Commissioner's office).

SciClone:

“Sci-Clone”, the annual inter-collegiate festival for postgraduate students of biological sciences was organized by the department of Microbiology on 9th October. The programme was attended by **156** post-graduate students from across Mumbai, participated in events like Paper Presentation, Poster Making, Debate and Quiz.

M³ Contest :

The Annual Mathematics contest for Degree and Junior College was conducted on 12th Dec 2009 in which students from various disciplines participated.

Impression:

The department of BMM organized its annual inter-collegiate festival “Impressions 2009”, from the 11 to 13th of Dec'09, during which a publication of the department titled “Goonj” was released. This year's theme of the event was “**Media – uncensored**” The fest was a grand success with the participation of **18 colleges** from across Mumbai (approximately **435 students**) It was yet another moment of glory for the ever-vibrant media students of VES College of Arts, Science & Commerce. The theme being FREEDOM, the event witnessed a sense of joy and exuberance from one and all The highlights of the festival were Talkies, Photograph Exhibition, Live-Reporting, which gave students an opportunity to test their skills as media exponents

Intercollegiate festivals continued....

Confluence:

The department of BMS organized its annual inter-collegiate management festival “Confluence” from 16th to 18th December 2009. It attracted participation from **40 colleges** across the city. The major events included “Campus Show” i.e. presenting your campus through a short film, “Unique Identity Card Project”, a P.R. event, “Adorning the Role of Business Tycoons” and “Biz Antakshri”. events were designed to test or showcase at least one of the skills that a functional manager is expected to possess.

Euphony

The department of Banking and Insurance organized its annual intercollegiate festival “Euphony” on 9th and 10th January. The chief guest Mr. Eknath Birari (Senior Manager and Senior Faculty Member of staff Training college of oriental Bank of Commerce) gave a talk on “Careers in Banking” The other events organized were Sudoku, Try and Rectify Stock Market etc. About **200** students from various Mumbai colleges participated.

Part - B

1. Activities reflecting goals and objectives of institution.

The goal of our institution is to impart quality education. This is reflected in the curriculum design, extra curricular and co curricular activities of our institution. (Details of these are given under corresponding questions). Our institution is constantly striving to better its own performance. The objectives of our institution and the activities undertaken to achieve these, in the year 2009-10 are as follows :

- i) **To provide conducive academic atmosphere to students.** 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.
 - Talent nurture programs: Departments of Physics, Chemistry, Psychology, Microbiology and Mathematics made special efforts to identify the students who are keenly interested in their respective subjects, and went all out to support them in their spirit of enquiry.
 - Department of Computer Science /I.T. organized lectures, /workshops to update their students on various advanced techniques of their field. Faculty members of these departments attended workshops /seminars in the University/industry to update and better equip them.
 - 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.

ii) **To improve over all academic performance of students.**

- 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 feed back, after each test, and specific guidelines for presentation of answers in the examination.

Department of Sociology introduced a series of class tests fashioned in the format of the university exam with due consideration to time management, drafting answers in a structured manner, which is in keeping with the expectations of examiners at the university. The efforts showed its reflection in this years improved result of this department

- 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
- Physics Department conducted Problem solving sessions (through out the year) and capacity building sessions (during the winter and summer break) for students of Physics.(ref best practice..)
- Regular assignments were given to improve the performance of students in some subjects .(ref best practice)
- 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.

- We emphasize on keeping our premises clean.
- We emphasize on punctuality in class rooms
- Our college is known for strict adherence to regular attendance in class. Parents therefore throng to get admission in our college
- We emphasized on adherence to dress code by students and teachers to maintain a conducive academic atmosphere in the campus.

iv) To develop employable skills among students:

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 though 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 is attached).
- Students were encouraged to participate in M³ contest (Maths, Muscle Man contest), to improve their quantitative ability. Department of Physics also helped students to sharpen their quantitative skills with extra coaching.
- Educational visits, field trips, guest lectures were organized by different departments to provide students with relevant exposure.

- Departments of Microbiology, BMS, 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.
- Invite experts from Industry on several occasions to appraise our students about industry expectations.

v) To render service to the society.

- The foremost service to the society, we feel, is to make our students good human beings 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. For this the platforms provided were. N. S. S. and ACP (Details will be found from response to Q. 16)
- The college has introduced the ‘Additional Credit Program’ for those students who are academically brilliant. In an endeavor to sensitize these students towards social issues one of the modules introduced in the program is “hands on social Work”. These students participated in various social activities.

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

B.Com in Financial Markets , a U.G. Program was initiated in the academic year 2008-09. To accommodate the second year of the course, suitable arrangements were made in the current year.

(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.

University provides syllabus for each U.G. and P.G. programs, together with a time line.

Equipped with this prescribed syllabus along with the time line, each department of V.E.S. College designs a curriculum, suitable for the target group of students, for the entire academic year at the beginning of the term.

The main aim of the curriculum design is to support 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 away that it demands active participation and involvement of students

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

i. Seminars / Presentations: The students were encouraged to actively participate in seminars and presentations. The objectives were

- To highlight certain important topics of the syllabus and to look deeper into their applications
- To improve presentation skills
- To bring about awareness of new frontiers in various subjects.
- To promote research.
- Using various aids, students also made presentations on various topics like 'Understanding Suicide', 'Attitude towards counseling among college students' etc. This enabled them to learn concepts and helped them to develop presentation skills.
- M.S. Part II students of Microbiology gave presentation on contemporary topics covering areas of Molecular Techniques used in research , experiment design and statistical analysis of research data

This has been one of the most common methods adopted by all the departments of the college

ii. Other than class-room teaching, 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 department.

iii. Outdoor excursion / Field Trips –

To bridge the gap between theory and practice the professors of the institution regularly take the students 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 as part of curriculum design by some departments. The purpose was to promote self learning and to inculcate 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. Some times students made presentations with the guidance of the teacher concerned, which helped us in developing tools of teaching learning.

vii. Exhibition

- As has become an annual practice, the Department of sociology put up 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 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)

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, seminar, 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 2009-10

5. Examination reforms implemented:

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

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

These measures were adopted to stop some of the unfair practices like smuggling in supplements in the examination hall.

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.

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

None in the year 2009-2010 from among faculty members.

Almost all of our permanent faculty members who have joined the institution after 1991 are NET /SET qualified.

Total Number of Seminars / Workshops conducted:

About 22+22=44 seminars /workshops and guest lectures were conducted in the college ,as part of curriculum of various departments . Following is the list of these events.

Seminars & workshop:

- 19th June 2009: Mr. Mahesh Dubey, a faculty member from PACE team, conducted a workshop titled “PL/SQL block”. This workshop was the first in a series of lectures organized by Patni computers as part of MOU signed by Patni and our Department of Computer Science.
- 27th June 2009: At the invitation of the department of Psychology, Mrs. Radhika Narayanan from S.P. Jain Institute of Management Research conducted a one – day inter-collegiate workshop on “Discovering one-self: Explore your Potentials”.
- A squad from the Anti Corruption Bureau, headed by Mr. A.S. Rao (API), was invited to hold a seminar for all the students, highlighting the importance of honesty & adopting zero tolerance towards bribery & other underhand deals.
- 4th of July 2009: Mrs.S.Jayalakshmi, coordinator of BSc IT, conducted a seminar on “Agile Technology” . The purpose of this seminar was to help the TYBSc (IT) students know about the technology currently used in the market for software design.
- 11th July 2009: A seminar was conducted by “GEEBEE Educations” on “Education Abroad” for TY IT students.
- 25th July 2009: Department of Microbiology organized a workshop on Transaction of revised syllabus of Medical Laboratory Technology applied component of T.Y.B.Sc. Mumbai University.
- 25th July: Ms. Manasi Patankar from GEEBEE, conducted a seminar on ‘Foreign Education’
- 10th of August 2009: Mr. Anil Patil, a faculty member from PACE team, conducted a seminar titled “Object oriented programming” for department of computer Science.
- 21st August 2009: A seminar was conducted on “Preparations for MBA” by Career Launcher.
- 16th of September: A seminar on ‘Stock Markets in India’ by Prashant Thakkar of Samarth Mercantile Pvt Ltd was organized for the BMS students.

- 25th September 09: Mr. Mayur R. Jangam from Patni conducted a seminar on “Campus to Corporate” for student of Computer Science & IT .
- 3rd October 2009: Karrox conducted a seminar on “Writing Resume and Interviewing Techniques” for CS and IT students.
- 15th Oct 2009: Jetking conducted a seminar on Networking for the students of CS and IT
- 29th and 30th October 2009. : The department of Accountancy along with the Career Guidance Cell of the college organized an orientation programme titled “Careers through Accounts” , conducted by ICFAI
- 5th November 2009: Dept. of Economics along with the Board of studies in Economics organized a one Day workshop on the New syllabus of the T.Y. B.A. paper VIII ‘Indian Financial System’ .
- 19th November 09: A seminar on “Windows 7” was conducted by Mr. Mark D’Souza a senior academic evangelist at Microsoft.
- 07th dec.09:A seminar was conducted on “Emerging Technologies from IBM family” by Mr Gaddy from IBM.
- 19th dec.09: HCL conducted a Workshop on “Linux Administration”.
- 26th dec. 09 : The department of environment studies organised a programme on Energy Conservation Mr. Baghelkar, Dy. Director & Field Engineer, PCRA, conducted the workshop that covered energy scenario in India, simple tips on saving oil & gas, saving electricity at homes etc.
- 22nd and 23 January 2010: Research Circle of our college along with R.C.F. held a two-day national level interdisciplinary seminar on “Global Warming: Causes, Consequences and Coping Strategies
- Department of Environment science organized a Talk and slide show on “**Remote Sensing, GPS and GIS Techniques, Application & Knowledge Building**” on 17th February, 2010.
- 28th Jan10 :A seminar was conducted on “What after BSC IT” by Mr Vinod Vaze
- 29th Jan10: A seminar was conducted on “Excellence in IT” by Mr Prakash ,a Microsoft certified trainer
- 6th February : A seminar was conducted by “Kraft Education Society” on “Opportunities for education abroad”

Talks and Guest lectures:

- 27th June & 11th July 09 : Our ex-students, Mr. Ranjeet Salunkhe gave a demo on softwares that are used in industries to do projects in Java. He demonstrated the use of Eclipse Software for executing Java programs.
- 8th July 09: A talk on MBA in Biotechnology was arranged for the T.Y. students by faculty from Pillai's college.
- 22nd July, 09.: Representatives from GEEBEE Education Pvt. Ltd gave an overview of the requirements for further education in Canada, New Zealand and U.K. to the T.Y. Microbiology and Biotechnology students
- A presentation on 'Prospects in Pharma-Management' was given to the T.Y class by students of SIESCOM, Nerul
- 6th Sept 09.: A representative of MITCON Bio-pharma briefed T.Y.B.Sc and M.Sc students about training programs offering certificate courses in Bioinformatics and Clinical Research available with them,
- 26th and 27th Oct. 09: Wipro Technologies conducted a pre-placement talk followed by interviews for recruiting the 2009 batch graduates of V.E.S..
- 21st Nov. 09: Mr. Vaze of Prerna Technologies conducted a 90 minute session on career planning for the third year students.
- Dec 09: Dr. Sudarshan (Ex- Head- Analytical Chem Dept – BARC) gave a talk on Nanomaterials to MSc-II students.
- 10th Jan 2010.: Mr. Eknath Birari , Senior Manager and Senior Faculty Member of staff Training college of oriental Bank of Commerce gave a talk on "Careers in Banking" for the students of banking and Insurance.
- 22nd & 23rd Jan 2010: Dr. Sanjay Deshmukh Head of Life Science department, University of Mumbai delivered the keynote address, in the national seminar "Global Warming: causes, Consequences and Coping Strategies"
- The highlight of the seminar was the special case study presented by some farmers from Harayana who have obtained and traded "Carbon Credits" under the "Clean Development Mechanism".
- 9th Feb 2010 : Mr. Suman Ganger gave an elaborate presentation on "T.Y.BSc. What Next?" to the Microbiology and Biotechnology students on covering various career options for our students

- 6th March 2010.: Prof. Uday Acharya made a presentation to the teaching staff on “Work Life Balance: Personal and Professional Issues” .
- 8th March 2010 : Prof. Aarohi Parimu Khar made Presentation on “Empowerment of Sexually Abused Women” for the benefit of the teaching staff members.
- Dr. Anita Kanwar of Physics Department gave a talked on “Information about various type of grants available for research” under Staff Development Programme of the college.
- Dr.(Ms.) Viney Kirpal from Pune (ex IIT Professor) made a presentation on “Interpersonal Relationships and Team Building” for the benefit of teaching staff.

8. Research Projects: -

Following are some of the on going research project which were sanctioned in the year 2008-2009 by University of Mumbai:

- A minor research project to develop the extractive spectrophotometric methods for the determination of transition metal ions and noble metal ions with isonitroso-p-substituted acetophenone. (Mrs. Ritika M. Makhijani faculty, chemistry))
- A minor research project titled “Effect of Silver Nanoparticles on Biofilm formation by Blood and Urine Pathogens on different polymeric medical implants a comparative study” (Ms. Santhini S. Nair, Faculty Microbiology).
- A minor research project titled “Biocontrol of Psychrotrophic spoilage bacteria in Coriander during refrigerated storage”.(Ms. Hemamalini Varadarajan faculty, Microbiology))
- A minor research project titled “Educational Loan as a step for financial Inclusion (“Dr. Suniti Nagpurkar ,Faculty, Economics)
- A minor research project on “New Discourses and Challenges : Interrogation of South Asian Expatriate Narrative”.(Dr.Shikha D. faculty English).

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 by Mr. Nagesh Mallik, Mrs. Hemamalini Varadarajan, Mrs. Santhini Nair and Mrs. Dona Joseph.

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: -**

Total Research Grant Received**Academic Years 2008 - 09 & 2009--10**

Sr. No.	Project No.	Name of the Researcher	Amount 80%, received in 2008-09	Amount 20% received in 2009-10	Total Amount
1	22	Mrs. Ritika Makhijani	28000	7000	35000
2	55	Mrs. H. Vardarajan	12000	3000	15000
3	63	Mrs. Santhini Nair	16000	4000	20000
4	83	Dr. (Mrs.) Anita Kanwar	16000	4000	20000
5	193	Dr. (Mrs.) Suniti Nagpurkar	12000	3000	15000
6	197	Dr. (Mrs.) Shikha Dutta	9600	2400	12000
		Grand Total	93600	23400	117000

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 published in the year 2009-10:

LIST OF PUBLICATIONS (ACADEMIC YEAR 2009-10)

Sr. No.	Author (Our Teaching Faculty Member Name)	Title	Journal	Year	Details	Co-Authors
1	Barhate Vasant	Extractive Spectrophotometric Determination of Copper(II) with P Methyl Isonitrosoacetophenone	Journal of Indian Council of Chemists	2009	Vol.-25 pg.74 to 76	Patil M.R.
2	Barhate Vasant	Extractive & Direct Spectrophotometric Determination of Platinum (IV) with Isonitroso-P- Methyl Acetophenone Phenyl Hydrozoneacetophenone	Journal of Indian Council of Chemists	2009	Vol.-26 No.1 70-73	Gupta, Anandkumar S.
3	Barhate Vasant	Extraction Spectrophotometric Determination of Nickel (II) with 2 Hydroxy 3 Nitro 5 Methyl Acetophenone	Research Journal of Chemistry & Environment	2009	Vol.-13 Issue No.2. Pg. 70-71	Lokhande,R .S. Sawant, A.D.
4	Barhate Vasant	Extractive & Direct Spectrophotometric Determination of Rhodium (III) using Isonitroso-P- Methyl Acetophenone Phenyl Hydrozone (HIMAPH)	Oriental Journal of Chemistry	2009	Vol.-25 Issue No.3.	Mandhare, Datta B.
5	Barhate Vasant	Extractive & Direct Spectrophotometric Determination of Ruthenium (III) using Isonitroso-P- Methyl Acetophenone Phenyl Hydrozone (HIMAPH)	International Research Journal ACTA CIENCIA INDICA	2009	Vol.-XXXV C.NO.pg. 325-329	Mandhare, Datta B.

6	Barhate Vasant	Extractive & Direct Spectrophotometric Determination of Palladium (II) using Nitro Acetophenone Thiosemicbazone.	Oriental Journal of Chemistry	2009	Vol.-25 Issue No. 3	Madan,Parinita,Gupta, Anandkumar A. & Mandhare, Datta B.
Sr. No.	Author (Our Teaching Faculty Member Name)	Title	Journal	Year	Details	Co-Authors
7	Dr. Anita Kanwar	Studies of Nano-Particle Doped Liquid Crystal Mixtures"	International Journal Mol.Cryst.Liq.Cryst. Cryst.ACTA CIENCIA INDICA	2009	Vol.511,p p.75/[1545]-84/[1554])	Taylor & Francis Group, LLC
8	Mr. Atul Mody	Capacity Building of undergraduate Physics Students	2nd Conference of People Council of Education	2009		
9	Ms.Dipta dasgupta	Mind maps for mathematics	2nd Conference of People Council of Education	2009		
10	Jain Leela	The Chemistry of tri- and high -nuclearity Palladium(II) and Platinum(II) complexes	Co-ordination Chemistry Reviews	2010	12501-54 (In Press)	Jain Vimal Kumar
11	Dr. Anita Kanwar	Broad temperature range blue phase in polymer dispersed cholesteric liquid crystals	Material Science -an Indian Journal	2010	Vol.6, Issue -1	Trade Science Inc.
12	Dr. Anita Kanwar	Reverse Flow of Seawater : Narmada Calling For Help	Souvenir Khoj - 2010	2010	pgs.76-80	
13	Dr. Anita Kanwar	Thermal Hysteresis Shown by Polymer Dispersed Cholesteric Crystals	Indian Journal of Physics	2010		
14	Mr. Atul Mody	Physics : Teaching & Learning through problems	Indian Association of Physics Teachers I(12)		pg.323-325	-

14. Honors / awards to the faculty:

Following are the some of the achievements of the faculty members in 2009-10.

- Mrs. Aarohi Parimu Khar, faculty department of Psychology, won the **Best Paper Award** for her paper titled “Empowering Sexually Abused Women” which she presented on 22nd January at a State-Level seminar held in K.B. college of Arts and Commerce, Mumbai.

Following Papers were selected for presentation in prestigious National conference

- Dr. Nagpurkar presented a paper at the **National conference** on ‘Status of Muslims in Maharashtra’ organized by the TISS and the Minority Commission, Govt. of Maharashtra on 18th and 19th December 2009.
- Mrs Madahvi Vaidya presented a paper titled “Overview of Privacy preserving in Bit Torrent Files” at the **National Conference** on advance computing and IT Application on March 5TH 2010. The paper is published in the conference proceeding .(ISBN978-81-910178-0-9)
- Mrs Madahvi Vaidya presented a paper titled “ Fragmented Replication of Large Files with Bitt Torrent Techniques “ at the **National /Asia Pacific** Regional conference ICTM 2010 on 5th & 6th March 2010 published in Conference Proceeding.

15. Internal resource generated:

- For the national level seminar “Global Warming: Causes, Consequences and Coping Strategies” held on on 22nd and 23 January 2010" internal resource to the tune of 1.40 lac was generated through part collaboration with R.C.F. (Rashtriya Chemical and Fertilizer.).
- To run the Additional Credit Program efficiently, fund is being generated through fees charged from the participating Students.
- To run the talent nurture program in Physics money is generated through fees.

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

None

17. **Community Service:**

Ever since its inception in 1982, The National service scheme unit of our college has provided 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:

- A fund collection drive was organized and Rs.1500 was collected for the Hi-Tech foundation, an 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.
- Thalassemia awareness and detection program in the campus: The unit, in association with Rotary club of Chembur and Faith Foundation, conducted a Thalassemia awareness program and detection camp in the campus. Mr Vinay Shetty of Faith Foundation created awareness through an intensive class room contact program on 24th September. Blood samples were collected from 386 students who were given clinical reports with necessary suggestions for further perusal of the case.
- Blood donation camps-The unit organized two blood donation camps; it collected 103 bottles of blood in association with Raheja Blood Bank in the month of September 2009 and 63 bottles of blood in the month of February 2010 in association with Sarvodaya Blood Bank, Ghatkopar.
- 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 13 needy patients in various hospitals.

- AIDS awareness program: AIDS awareness program in the campus, adopted village and slum areas 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 22nd and 23rd December 2009.
- Participation in seminars and training programs: Three volunteers attended a leadership training camp organized by University of Mumbai at Mangoan. Our volunteers also attended AIDS awareness seminars and workshops conducted by various colleges and NGOs. Mr Milind Sushir, Jitesh Lutheria and Karen Wahi attended Red Ribbon Club seminar held by Acharya Marathe College, Chembur. Another five volunteers attended Red Ribbon Club seminar held at Vaze Kelkar College, Mulund. Miss Pooja Sathe attended Red Ribbon Club training camp held at Lonawala on 16th and 17th January 2010
- Rural Camp: As usual a rural residential camp was organized at our adopted village Sutrakar from 25th December 2009 . The campers undertook various innovative programs to teach Basic English to primary school children and give them training on health and hygiene, energy conservation techniques, etc. An environment awareness rally was conducted in the village involving local primary school children The volunteers also constructed a small *bandhara* through *shramdaan*. Sports meet for locals, Adivasi dance competition and cultural programs were also organized by the volunteers during their seven day stay in the village.

In addition:

Extending ourselves to society is something we believe in as a college and this we try to inculcate among our students in various ways. Some of the extension activities are listed below:

The students of the Additional Credit Program (an IQAC initiated program for advanced learners) group are involved in community service activities .

students of FYBMS visited various NGOs as a part of the 'Joy of Giving' week (September 27-Oct 3) and spent time with the inmates in the following places-

- Mankhurd children's home,
- Rochiram Thadani high school for deaf and dumb,.
- Naseoh,.
- Navin Balgurha ,
- Bal Kalyan Nagri orphanage at Anushakti Nagar.

The students interacted with the management group of these places and found out ways and means to help the underprivileged inmates in their own small ways. Overall the students had a soul stirring experience.

SAW the Social Awareness Week, organized by the department of BMM took place from 23 November to 27 November, 2009.. The aim of the event was to remind everyone of their responsibility towards society. Hence, SAW was divided into 3 themes:, 'Start literacy', 'Save environment', and 'Stop violence'. Throughout the five-day event skits, speeches and videos were shown on the different themes. On one of the days, children from the NGO Balanand were invited and a few videos were screened for their entertainment. A substantial amount in the form of donations and sales (approximately twenty thousand in total) was distributed between the two NGOs– Balanand (an orphanage) and In Defence of Animals.

Our Psychology department believes in “Once we realize self , it is time for us to give to society”. On World Mental Health Day, 10th October 2009, the department organized a “Prabhat Pheri” at 7:00 a.m. in the neighborhood of the college to spread awareness about the need to take care of one’s mental health with as much seriousness as physical health. The programme was a grand success with all Psychology students participating. The response from the audience was overwhelming especially from slums near the college.

On 6th October, 2009, the department organized a field trip for F.Y., S.Y. and T.Y. B.A. (Psychology) students to Sulabha School for the mentally challenged This field visits provided the students a platform to interact with people having challenges.

On 4th January, 2010, the department organized a study visit for T.Y.B.A. (Psychology) students to the Pune Mental Hospital to understand the nuances of institutionalization of people having mental health problems.

18. Number of teachers and officers newly recruited

Section	No. of faculty
Aided section:	03
Self Financing Course	06

19. Teaching & non teaching staff ratio:

For Aided section:

Teachers Non-teaching staff.

46 32

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 2009-2010 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: 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.

i) Book Exhibitions: 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 2nd February 2010. 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 20 – 21st Nov 2009.

B) IMPROVING ACCESS TO RESOURCES:

i) Bibliographic Services: The Library continued the practice to index articles from the journals subscribed in the field of Management and Economics. This helped us to provide bibliographic services to the users in

anticipation or on demand. 36 periodicals of national and international repute were indexed and this database was extremely useful for the students to do their project work.

ii) E-Resource Centre: The Library has added a separate section with 10 computers and printing facility for students to Access Online and Electronic resources from the Internet.

iii) The Library Catalog (WebOPAC) is now accessible from the Library website www.vesasc.org

iv) Following new additions were made to the collection of the Library

➤ **Periodicals :** Keeping in mind our collection development policy we have increased the number of useful periodicals in our Library. Following is the list of new journals subscribed.

1. Bank Quest
2. Indian Journal of Finance
3. Prabhandan: Indian Journal of Management
4. Contemporary Education Dialogue

The Library has taken 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.

All the above activities increased the use of the Library resources and thus yielded a good return on investment.

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

EXPENDITURE IN LIBRARY (2009 - 2010)					
	EXPENDITURE ON BOOKS (in Rs.)	NO. OF BOOKS	ACADEMICS JOURNALS (in Rs.)	READING ROOM (in Rs.) (MAGAZINES & NEWSPAPER)	TOTAL (in Rs.)
AIDED COURSES	360,745.50	1262	15,460.00	36,640.00	412,845.50
SELF FINANCING COURSES	362,051.00	951	43,744.00	9,436.50	415,231.50
U.G.C. DEVELOPME NT GRANT (XIth PLAN)	104,882.00	83	30,748.00	Not Applicable	135,630.00
Donation from Mr and Mrs Pal	11,996.00	10	Not Applicable	Not Applicable	11,996.00
TOTAL	839,674.50	2306	89,952.00	46,076.50	9,75,703.00

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

Department of Chemistry this year took exit back feed back from its M.Sc. students. The students have given excellent feed back.

23. Unit cost of education:

1. Aided section:

Unit cost of Education

Total Exp/total no. of student : Rs. 20757

Development Expenses (Expansion of Library) : Rs. 765/- per student

2.Unaided section:

Unit Cost of Education

Total Expenditure / Total No. of students : Rs. 11,870/- per student

Development Expenses (Expansion of library) : Rs.765/- 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 :-

In the year 2009-10 , the college auditorium was completely over hauled. We now have a fully air-conditioned auditorium .The wiring of the existing auditorium was completely changed to ensure easy and pertinent usage of electronic media .

One complete wing was added to the existing building as per our plan (AQAR2007-08 C part) We started using the rooms of this wing from the academic year 2008-09(Ref.: AQAR 2008-09).

In spite of the fact that we have added a complete new wing to the existing building infrastructure, efficient time management remains the key factor behind efficient running of new as well as old programs. We have added 5 UG & PG degree courses after the NAAC visit in 2002.Since these programs are three years degree courses ,every year the requirement of lecture rooms increases. Although no new program was started in the academic year.2009-10, the room requirement increased considerably. This requirement was handled competently by efficient time management.

Our new Library which is spacious and very well equipped was inaugurated and started functioning from the academic year 2009-2010.

With the relocation & expansion of library space a well equipped cyber room with in the library premise has been established

Electronic infrastructure / equipments enhancement:

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	302794.40
Laboratories	291513.75
Computer Lab & Other Computer Facilities	446914.00
Library Recurring & Non- Recurring	465396.50
Student Amenities / Teaching Aid	169907.25
Career Counseling Cell	120725.00
Total(Includes UGC,Dev.Garnt XITH Plan)	1797251.90

26. Technology Up gradation:

- i) The Library Catalog (WebOPAC) is now accessible from the Library website www.vesasc.org**
- ii) The Library has taken 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**
- iii) The software used for maintaining the profile of students have been updated to contain some additional information about our students.**

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.
- From the academic year 2009-10, with the relocation & expansion of library space a well equipped cyber room with in the library premise has been established .Here the students are allowed to use internet facility etc by paying a nominal charge. The students can get print out etc at subsidized rate(UGC/NRC)
- ACP student-group was given a 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 department , which is slightly restricted because of the lack of space.
- Currently we are planning to build a computer lab to facilitate computer training and internet access for economically backward students, as the institute will acquire some additional space from the neighboring Engineering institute once it shifts to its new premises.

28. Financial Aid to Students:

Following are the list of financial aid provided to students during academic year 2009-20 10.

CATEGORY	TYPE OF ASSISTANCE	NO OF STUDENTS BENEFICIARIES (AIDED SEC.)	NO OF STUDENTS BENEFICIARIES (SELF FINANCING SEC.)
SC	Scholarship-Lower income group limit Rs. Below 1 lakh	70	22
	Freeship-Higher income group above 1 lakh	63	29

NT	Scholarship-Lower income group limit Rs. Below 1 lakh	13	9
	Freeship-Higher income group above 1 lakh	15	13
OBC	Scholarship-Lower income group limit Rs. Below 1 lakh	43	24
	Freeship-Higher income group above 1 lakh	14	0
SBC	Scholarship-Lower income group limit Rs. Below 1 lakh	1	4
	Free-ship-Higher income group above 1 lakh	5	3
NT	Scholarship-Lower income group limit Rs. Below 1 lakh	0	0
	Free -ship-Higher income group above 1 lakh	6	3
General	Adoption Scheme	20	35
General	Association of Non-government colleges(ANGC)	9	0
Scholarship	Financial Asst. to Needy and BC Students (University of Mumbai)	5	0
Scholarship	Minority communities	0	0
Fees Waiver	Fees Waiver to deserving students	0	9
	TOTAL	264	151

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 set 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 we could organize an alumni evening on 20th July 2009 which was a happy gathering of our ex-students ,who were eager to visit and support their alma mater . The program started with a brief slide show depicting the advancement of the college in last ten years, in various fields. This was followed by a discussion on the procedure of registration of alumni association. About ten of our Alumni present volunteered to be the founder members of the forum. The objectives and the charter of the Alumni forum was discussed and finalized. 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.

- College trek is conducted with the active participation and support of our alumni trekkers every year.
- 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 ,come back to us as trainers and Coaches for new batch of students. These ex students also help to organize the various events on Sports day 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.
- Several members of **Microbiology Alumni Association** visited the department on various occasions and counselled the current batch students for their career.
- One of our ex-students, Mr. Ranjeet Salunkhe (2004-2005 batch) was called on 27th June & 11th July 2009 to give a demo on softwares that are used in industries to do projects in Java. He demonstrated the use of Eclipse Software for executing Java programs.
- 24th June 2009 Nachiket Chkravarty an alumnus of our college pursuing P.hd in Astronomy at the university of Illinois gave a talk on cosmology on behalf of Physics Association.
- Mr. Rahul and Miss Vidhi discussed with the students of TYIT on “How to prepare for MBA and MCA entrance exam” on 25th of July 2009.
- Mr. Vishal Shroff, an ex IT student conducted the workshop on “Personality Development” for the students of TY IT on 8th of August 2009.
- Mr. Niraj Goswami conducted “Group Discussion” for the students of SYIT on 8th of August 2009.
- 11th & 12th September 2009 Mr. Vinod Chauhan Ex-students of Department of Physics conducted a workshop on how to make a PowerPoint presentation.

- One of our ex student Mr. Irshad conducted GDPI and personality development session for our TY Computer Science students. He provided feed back on every students caliber.
- On 12/04/10 ,13, and 15th Ms. Vidhi kocher was invited to present few sessions on aptitude improvement both quantitative and general for SY and TY Computer Science students aspiring for MBA/MCA entrance.
- Mr Amit Chorasiya conducted sessions on “Project in dot net technologies “ for TYIT students in the month of January 2010.
- Mr Dinesh and Mr. Sushant Musali shared their experiences and knowledge of corporate ethics with TYIT students on 24th February 2010.
- Our ex-students Perna Singh ,Pintu Maity, Amit Chorasiya, and Vikas Gupta evaluated the mini projects of the TY IT students for the 5th semester .
- Our alumna from department of IT Flora Dedhia is conducting practical sessions for SYBSc (IT) in the subject of C++/Java and DAA for FYIT.

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 organised 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.

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

31. Health Services :-

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

32. Performance in sports activities:

Some of our star performers in sports, participated in different competitions organized by the **University of Mumbai and various Mumbai colleges.**

Following is the record of student's achievements at University levels and other sports competitions:

INDIVIDUAL EVENTS:

1. Miss. Kanchan Jadhav (S.Y.B.Sc.-I.T.) won the Silver medal in Shotput at University Athletic Meet organized by University of Mumbai.
2. Miss. Supriya Adhikari (S.Y.B.Com. - B&I) won the Bronze medal in High Jump at University Athletic Meet organized by University of Mumbai.
3. Miss. Vimla Chandra (F.Y.B.Sc.) won the Bronze medal in Long Jump at University Athletic Meet organized by University of Mumbai.
4. Miss. Supriya Adhikari (S.Y.B.Com. - B&I) secured 5th position in Long Jump at University Athletic Meet organized by University of Mumbai.
5. Mr. Jayprakash Singh (F.Y.B.Com.) secured 5th position in 20 Kms Walk at University Athletic Meet organized by University of Mumbai.
6. Miss. Vimla Chandra (F.Y.B.Sc.) secured 5th position in 100 m Hurdles at University Athletic Meet organized by University of Mumbai.
7. Miss. Sublaxmi Tripathi (F.Y.B.Sc. - C.S.) secured 8th position in 400 m at University Athletic Meet organized by University of Mumbai.
8. Miss. Sublaxmi Tripathi (F.Y.B.Sc. - C.S.) secured 8th position in Long Jump at University Athletic Meet organized by University of Mumbai.

TEAM EVENTS:

1. College Hand Ball team (Girls) secured 8th position in Hand Ball Tournament organized by University of Mumbai.
2. College Volley Ball team (Girls) secured 2nd Position in Inter-Collegiate Volley Ball Tournament organized by Kandivili Education Society's Shroff College of Arts and Commerce.

OTHER ACHEIVEMENTS:

1. Qureshi Shahbuddin Samsuddin (F.Y.B.A.) secured 1st position in Mumbai Mayor Cup Karate Competition organized by Maharashtra Karate Association.
2. Qureshi Shahbuddin Samsuddin (F.Y.B.A.) secured 1st position in Akshay Kumar First Invitational Open Championship "Karate - Do - Championship" organized by Nippen Bucho Sogo International India at Andheri Sports Complex.

The annual sports meet in the college campus

The student in large numbers participated in the various sports activities during the annual sports meet, Participating Students were grouped as per their classes into four houses:

Agni, Surya, Prithvi, Akash

The competitions in following events were organized during the sports meet. The best group was selected according to the collective performance of the groups.

In Door events: - Badminton, Table Tennis, Carrom, Chess

Track events: - 100M, 200M, 400M, 800M, 1500M for Men and Women, 5000M Men and Relay 4 X 100M Men and Women.

Field events: - Discuss throw, Shot put, Javaline 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.:

Best Athlete (Boys) – Mr. Swapnil Jawale

Best Athlete (girls) – Miss. Vimla Chandra (F.Y.B.Sc. [Micro])

Best Sportsman – Mr. Ashish Gurung (T.Y.B.Sc. [Cs])

Best Sportswoman – Miss. Supriya Adhikari (S.Y.B.Com. [B&I])

Best House – Agni

34. Student achievements and awards:

Following are the laurels brought by our students, which have done us proud in the academic year 2009-10,.

- Ms. Rameshwari of our college ,topped the merit list of B.Sc computer Science examination, Mumbai University.(Univ.Examination held in April 2010)
- Mr.Ryan Monterio from the department of computer Science, stood third in the merit list of B.Sc Computer Science examination ,. Bombay University.
- Three of our BioTech Students scored above 80% marks in the third year B.Sc. BioTech Mumbai University Examination.
- 14 students, out of 148 first class of 292 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 100/100 in the paper titled ‘Direct indirect taxes’ of T.Y. B.Com Mumbai University Examination.
- Two of our B.Com students scored 98/100 in the paper titled ‘Computer system & Application’ & the paper titled “Industrial Psychology” of T.Y. B.Com examination, Mumbai University

Other than University Examination:

- Mr. Aditya Garg bagged the third rank among the top sixteen students from Pune and Mumbai Region in a Mathematics competition, for S.Y.B.Sc. students called ‘Madhava Mathematics Competition’.The event was organized on 3rd Jan 2010 , by Homi Bhabha Centre for Science Education (TIFR), Mumbai & S. P. College, Pune , under the aegis of National Board for Higher Mathematics.
- Ms. Mayuri from T.Y.B.A. (Economics) won the First Prize in Poster Making at the Intercollegiate Economics Festival “Aarth Aarohan” organized by SIES College on 9th January 2010.
- Two students of TYBA Psychology- Supriya & Chinmay made us proud - by winning the first prize in the paper presentation competition organized by M.D. Mahila Shah College, Malad on 6th feb 2010.The paper titled “Carl Roger’s contribution to Psychology”.is a scientific paper researched by them.
- Mr. J.Chandrashekhar, Mr. Virochan Chavan and Mr. Ronak Patel from S. Y. (Biotech) and Mr. Vivek Parab from S. Y.(Micro) won the First Prize of Rs.

10000/- for their project on “Waste Management in College Laboratories” at a State level competition titled “Vidnyan Sanshodhan Puraskar” on 28th February 2010.

- SYBA students – Krishna, Swati & Dimpy, won the **first prize** for their researched paper titled “Stress among Adolescents Due To Parent-Child Conflict”, which they presented in the inter-collegiate paper presentation competition organized by Shri. P. N. Doshi Women's College of Arts, on 9th February 2010.

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. Elocution – Meghna Palaskar of F.Y.B.Sc. **IInd Prize** in Marathi elocution.
2. Debate – Ankeeta Bhardwaj and Sufia Khan of S.Y. B.M.M. , **IInd prize**
3. Sneha Talreja of F.Y.B.M.M , **IInd Prize** in Cartooning.
4. Semi-classical Vocal – Kumudini Koli of T.Y.B.Com. **Ist Prize.**
5. Classical Vocal – Kumudini Koli of T.Y.B.Com. **IInd Prize.**
6. Light Vocal – Kumudini Koli of T.Y.B.Com. **IIIrd Pr**
7. Classical Dance – Usha Narayan of T.Y.B.A. (Psychology)

IInd Prize

At Inter-Collegiate Level:

- The students of BMM won the BEST College award at three prestigious intercollegiate festivals :Ruia College (Mosaic), MMK College (Shikar) and SIES college (Frames)
- Ms. Divya Iyer and Ms. Dipti Iyer from S.Y.I.T. won the First Prize in debate at the inter-collegiate festival conducted by Elphinston college during 7th and 8th December and also at Ruia college on 18th and 19th December.

- At an intercollegiate festival organized by National college our T.Y.B.A (Psychology) students were awarded the II Prize for the stall put up on mental health from 14th to 16th December 2010.
- Our college team from T.Y.C.S. won the “Best College award” at an intercollegiate IT event, “Zeal” that was organized by Sidharth College on 22nd December.
- Our college team won the I Prize in the Group Dance Competition at the inter-collegiate festival of Mithibai college, “Shikar”, on 16th January.
- At the intercollegiate festival organized by Modern college on 20th and 21st January Mr. Bhavesh from S.Y. I.T. won the First Prize in Tech Quiz and Second Prize in Sudoku
- Our students from S.Y.I.T. and T.Y.I.T won the “Best College Award” at the inter-collegiate festival organized by ICL college on 27th and 28th January
- On 17/12/09, 2 FYCS students, Mr. Kevin & Mr. Yadhu Krishnan participated & won the 1st prize in Power Point Presentation competition which was part of an Intercollegiate competition organized by BMS department of our college. Their topic was on “Multipurpose National ID Cards”. His presentation was then organized for Computer science students.
- Our students participated in intercollegiate tech-fest of Modern College, called Zeal conducted on 20th Jan 2010 and won loads of prizes. Mr. Ryan Monterio from TYCS won 1st prize and Mr. Kevin from FYCS got 2nd prize in PPT (PowerPoint) Presentation. SY students Angana Sengupta, Kinjal Thakkar and Ishita Mehta had participated in WAP and Debugging.
- The S.Y.B.Sc. (Microbiology and Biotechnology) students won the First Prize at a Microbiology based skit competition organized by the Royal college as a part of their intercollegiate festival titled “Gyan Manthan 2010” on 30th January.

35. Activities of the Guidance and Counseling Unit :-

- The Counseling cell of our college was formally established five 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. So far about 67 students have utilized the support extended by this service.

During the year 2009-10 approximately 16 Students were counselled and benefited in the areas of self-confidence, assertiveness, better study habits, inter personal relationship and stress of examination, among others including some more complicated emotional difficulties.

36. Placement services provided to students:-

Vivekanand's Career Guidance Cell has extended its services to students as well as to outsiders for almost twelve years. Having benefited from Career Counseling, several students have thanked the college in their own ways from time to time. However this year's sanctioning of funds by the University Grants Commission in Plan XI was the much awaited recognition that came as a shot in the arm for Career Counseling. The Career Guidance Cell that has existed since over a decade, has now been sanctioned an amount that goes miles in signifying the efforts of the cell.

This year's agenda included – generation of funds for the cell, preparation of personal portfolios of over 200 students and proper sessions on Career Planning with added components like Resume building, Vocabulary Building Exercises, Time Management, and Personality Development lectures. Career Exhibition for the fresh entrants to the college was an added feature this year. A special feature that also took off well was the implementation of 'Earn and Learn' scheme for the students. Under this scheme more than forty three students worked for Frankfinn Institute and two students helped in data basing for the college, besides certain other smaller programs which were run on and off the campus where students contributed on and 'earn and learn' basis. There were career talks on Aviation Industry, Top Level Managements, Civil Services, Advancement through Computer Science, Film Making, Mass Communication, Cloud Computing, Computer Accountancy, Company Secretary-ship, Databasing, Entrepreneurship, Retail Marketing, BPO jobs, Security Management and even on Career Avenues in Education abroad.

Besides planning, the Career Guidance also worked hand in glove with the Placement Cell for students' internship and final job placements. The scenario which was not so promising at the outset suddenly took wings by the fag end of the

academic year. By using discretion one could note that the global recession factor had affected the employment market for freshers. From most of the companies that did correspond with us, quite a few offered only hesitant salaries at the lower scale. The other companies which had higher offers to make were mostly off the payroll offers. Amongst all these employers, marketing and sales services had the highest number and amounts to offer.

Although extended week for continuous placements wasn't possible this year, quite a few companies did desire to hire our workforce and minds. Among them were companies and employers like Central Electric & Radio Co., Genesys International Corporation, IRIS Business Services, Accord Fintech, Wipro Technologies limited, Prerna Technologies, APEX Pharma, J P Morgan, UNI – Sails India Exports Private Limited, Patni Computers, NIIT, Syntel Technology, WNS Global Services, Tech Mahindra, Birla Sunlife Insurance, HDFC Standard Life Insurance and Effort BPO Limited.

This year's biggest achievement was to enroll students for Maharashtra Government's Employment Cards for free. An NGO "For the People Foundation" run by one of our Alminus Vikram Bhambani, tied up with the cell and enrolled almost 800 students for the purpose. However, owing to the incomplete submission of certain documents by some students, the NGO could facilitate the issue of 600 cards only. This process would continue for the entire year till all the desiring students are provided with this card.

The Career Guidance Cell is grateful to the VES management, University Grants Commission and all the students for giving meaning to its existence.

37. Development programme for Non – teaching staff:

- Two of our office staff attended one day long workshop on "Best Office Administration" conducted by Adarsh college at Badlapur on 19th Dec 2009

- A Staff Development programme was organized in the college for Class III & IV Employees on 4th & 5th March 2010. Mr. Eknath Birari, Head HR, Oriental Bank, addressed the gathering on this occasion.

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 known 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 student 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. Activities of **Subject Association**.
11. Preparing our students to Participation 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. Specially designed ‘**Talent nurture program**’ in Physics and Chemistry
15. Remedial programs in Physics Math Economics, Commerce are conducted
16. **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.
17. V.S. Rajan Merit Scholarship awarded to the B.M.S. Topper student.
18. Special award for **differently abled** students and felicitation of their parents.
19. Maintenance of monthly Activity report meticulously.
20. The Language improvement programme Called “ Towards better communication in English Language” initiated by IQAC
39. **Linkage developed with National /International , Academic /research bodies:**
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.
- On 25/09/09, Mr. Mayur R. Jangam from Patni conducted a seminar on “Campus to Corporate” for TY CS & IT students He guided them about the transitions that they will have to go through and changes that are expected in them when they join the corporate world. He also elaborated on personality development skills.

our institution has informal association with a number of prestigious institutions, as mentioned below: This provides wide range of exposure to our students. The departments of Chemistry and Physics 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 attached at the end (the best practices mentioned in the IQAR of 2005-06, 06-07,07-08 & 08-09 are continued this year also).

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 2009-10 and will continue to do so in the years to come.

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

1. The Departments of Physics and Economics of our college have planned UGC sponsored inter-collegiate seminars at University level in their respective subject fields. In this connection the departments have put forward the applications to UGC office.
2. In association with VESLARC(V.E.S. Leadership Academy and Research Center) college plans to intensify its efforts towards holistic growth of its student community. It may be noted that VESLAR is a centre for professional skill development and value addition, under the umbrella of Vivekanand Education Society
3. As we believe that extra-curricular & co curricular activities help in the holistic growth of our students, efforts are on to involve more and more students in the **forum activities**. Some modifications have been planned and implemented in the process of forum activities, which would encourage the students to participate in these activities.
4. IQAC has set up a committee of 4 of its members which will work towards strengthening the scheme of “earn while you learn”
5. **Women’s development cell** of our institution organized several very effective programs this year and it is planning to include larger number of students in its activities.(given)

Plan of Action of CWDC

The College Women Development Cell (CWDC) plans to further its nativities taken in the previous year by extending its reach to cover many more girls students. Last year the Cell had implemented Women Self Empowerment Programme for commerce discipline. In the current academic year we plan to extend this programme for science and arts students.

The Life Long Skills that the CWDC is planning to impart to students through the Self Empowerment Programmes are also planned to be extended to boys from this academic year. The values like gender equality and skills like stress management are required to be imbibed among boys as well and CWD is taking initiative for the same. Besides the Self Empowerment Programme the cell is planning to screen documentaries on gender issues, gender of environment as well as live hood issues & womens. The CWDC now has got an NGO representative among its members. The CWDC is confident that this association will help the CWDC to extend its coverage and add a menu of diversified activities.

6. As an extension of induction program for newly appointed teachers of the college, staff development programs are scheduled to be conducted in October 2010 to empower the faculty with requisite professional skills in order to enhance the quality of teaching.
7. Currently we are planning to build a computer lab to facilitate computer training and internet access for economically backward students, as the institute is going to acquire additional space from the neighboring Engineering institute.
8. Encouraged by enthusiastic participation of students in community activities via different platforms, Prof.Chandy of dept of Sociology has planned to initiate a Social Service cell called “**The Outreach**” The cell coordinator Prof. Chandy has already established links with a few well known NGO.
9. A number of faculty members have plans to apply for funds for research projects from UGC and Mumbai University.
10. **Acquisition of additional space.**

It may be noted that the Engineering college under the management of Vivekanand Education Society, adjoining our college is being shifted to a new building constructed exclusively for Engineering. The management of the institution has decided to allot a space admeasuring 15000sq ft, from the present engineering college to our college.(ref. AQAR 2008-09). For certain unavoidable reasons the shifting of Engineering institute was delayed by several months. But we expect the

following plans of infrastructural expansion will take place in the year to come. Infra circle together with Vice Principal has worked out a plan to distribute the additional space for the following requirements.

- **An ICT equipped seminar room :** An ICT equipped seminar room will facilitate conduct of seminars , workshops, guest lectures etc throughout the year.
- **Additional Computer Laboratory :** Additional computer lab 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 :** As Mathematics is taught for a number of courses , a math lab will provide opportunity to hold ‘problem solving sessions’ of “Applicable Math” for several groups simultaneously.
- **Media Lab :** Media lab will provide oportunities for an all round training like documentary/film creation, photography, etc. for media
- **CWDC room.**
- **Counseling room :** A dedicated counseling room will provide more privacy and time for personal counseling. This in turn will encourage more students to avail of this service.
- **Cultural Activities Cell :**
- **Extension of present staff room :** This will provide additional space for interacting with students having academic discussions and guidance.
- **Centralized Assessment room (CAP room) :** A Separate Room will facilitate conduct of Centralized Assessment prescribed by the university of Mumbai, for all U.G. programs.
- **Language Lab :** A dedicated Lab will give an opportunity to provide the necessary infrastructure for improving communication skills of the students.
- **Research Cell :** A separate room assigned for research will provide space for discussion and consultation with guide /mentor. This in turn will encourage more faculty members to take up research and also encourage research at P.G.and U.G. level.
- **Career guidance and placement cell:** A special Career guidance and placement cell will provide more scope to establish linkages with corporate world., research

institutes etc. This will also provide more scope for the placement procedures and career counseling sessions.

- **Additional lecture rooms for different departments :** Provide scope for extra lectures and many other related activities.

Co-ordinator IQAC.

Name:-

Signature :-

Chairperson IQAC.

Name:-

Signature:-

BEST PRACTICES

Following pages contain some of the best practices of our institutions

Department of Commerce

STUDENT SEMINAR COMPETITIONS

Goal:

- To learn to do reference work and prepare a presentation.
- To Enhance presentation skills in Commerce students.
- To enhance communication skills and confidence in students.
- To give updates of the relevant subjects.
- To bridge the gap between theory and practicals aspects of the subject.

Procedure:

- Teacher teaching a relevant subject selects students and assigns them topic for presentation.
- Teacher guides the students regarding books, journals and websites to be referred to for preparation of the presentation.
- Students after completing the reference work prepares the presentation and presents the same on the scheduled date before a large audience of Commerce students.

Resources Used:

Students use computers, LCD and OHP for the Presentations.

Remark:

Though it was started for the T.Y.Bcom students, it is also now being implemented for S.Y.Bcom and F.Y.Bcom students.

BEST PRACTICES (2009-2010)
PHYSICS DEPARTMENT

- 1) Regular problem solving sessions (2 hours per week) in addition to the usual lectures and practicals were conducted for the T.Y.B.Sc. Students.
- 2) Seminars based on the practical syllabus were conducted for T.Y.B.Sc students, to improve their presentation skill and to make their concepts clear.
- 3) Simulations were shown to the students to explain difficult and abstract concepts of physics.
- 4) “**Interactive Physics Learning**” for F. Y. B. Sc students from April 16th 2010 to May 13th 2010, by Mrs. L. Menon, Dr. Anita Kanwar, Dr. Devidas Gulwade and Mr. Imran Khan. The course consisted of four modules. Modules 1,2 and 3 were planned by Dr. Devidas Gulwade, Mr. Imran Khan in consultation with Prof. Atul Mody and were executed by Dr. Devidas Gulwade and Mr. Imran Khan. Mrs. L. Menon and Dr. Anita Kanwar planned and executed module 4.

Module 1:

Objective was to create interest in Physics amongst students. To meet this objective we visited Nehru Science Center (NSC). Furthermore on the following day, we discussed experiments seen at NSC and demonstrated few simple experiments based on concepts in Physics.

Module 2:

Objective was to teach basics as well as advanced uses of X-ray diffraction. X-ray diffraction is of great importance to researchers from various interdisciplinary areas of research namely, Chemistry, Physics, Materials Science, Chemical engineering, Mechanical, Civil and Metallurgical Engineering. However, there is no course that will train students with practical and advanced aspects of the technique. Therefore, this course has been planned covering all possible details related with practical aspects of

the technique. The learning through comprehension and problem solving was used. The students developed understanding of the concepts and learned subject with this teaching methodology. Few practical sessions based on analysis of XRD diffraction were also a part of the course. Furthermore, all participants visited XRD Lab, I.I.T. Bombay to understand details of the instrument, its optics and issues related with data collection. Also, we visited Pulsed Laser Ablation (PLD) lab at Metallurgical Engineering and Materials Science, IIT Bombay. This visit and interaction with research scholars gave student overview of research in Materials Science.

Module 3:

One of the most fascinating areas in Physics is Relativity. However, mostly students find it difficult to understand its need, concepts and implications. Therefore, the course based on this topic was planned. The learning method was through comprehension and problem solving.

Module 4:

To develop deep understanding of working of electronics components, we planned a module where students will learn by doing. The students guided through interventions to construct knowledge and develop deep understanding of the key components, circuits and it's working.

“Refresher Course in Electrodynamics and Mathematical Methods” for S. Y. B. Sc students from April 5th to May 10th. The course consisted of 4 modules, which were planned and executed by Mrs. Sulekha Gopinath and Mrs. Hemlata Deshpande, and Dr. Devidas Gulwade.

Module 1: Students were made to solve problems in Electrodynamics The session was conducted for 1 1/2 hours each day.

Module 2: Revision of mathematics that is required to learn Mathematical Methods. This subject has been newly introduced at the T Y Bsc level (1 1/2 hours each day). Also few sessions were taken on computational physics.

Module 3: (Lab component). Planning the layout and making electronic circuits (3hrs).

Module 4: S.Y.BSc students also attended the 2nd module (study of Xray diffraction) conducted for FYBSc students.