

AQAR: 2009-2010



BHARATIYA VIDYA BHAVAN'S BHAVAN'S COLLEGE

- M.M.COLLEGE OF ARTS □ N.M.INSTITUTE OF SCIENCE
- H.R.J.COLLEGE OF COMMERCE

ESTABLISHED - 1946 - ACCREDITED B++ BY NAAC (2004-2009)

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The Annual Quality Assurance Report (AQAR)

2009-2010

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SECTION A:

Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet if required).

- ❖ With a view point to contribute to decisions on syllabi framing and revision, to encourage staff members to hold important positions on University Committees and similar recognized educational bodies.
- ❖ To encourage members of the teaching staff to use innovative methods to supplement the classroom teaching.
- ❖ To raise the level of research carried out by the staff members to encourage them to generate patents.
- ❖ To bring about improvements in the Library and encourage technology use.
- ❖ To utilize the seed money received from the UGC XI plan for the benefit of maximum number of students.

SECTION B:

Details in respect of the following (attach separate sheet).

Activities reflecting the goals and objectives of the institution

- ❖ ‘Amrutam Tu Vidya’, Knowledge is nectar” is the motto of Bharatiya Vidya Bhavan. From the beginning of civilization people began to appreciate the importance of knowledge. Human civilization accumulated knowledge of past generations from times immemorial. From informal teaching and learning, humanity progressed to more formal and institutionalized ways of teaching and learning. Knowledge has no value if it does not generate wisdom. It is the wisdom that is the real nectar, the amrut. If we realize the dream of Mahatma Gandhi and Pope John Paul II for primacy of human freedom and dignity, then this would be true Vidya and true Amrut. Amrutam Vidya.
- ❖ To keep in line with the mission and objectives of the institute, the teachers work towards keeping themselves informed with the latest trends in their subjects by participating in seminars and workshops.
- ❖ Munshiji believed in overall development of a student. In order to tap the latent potential of students the institute encourages and provided opportunities for the participation in maximum curricular, co-curricular and extracurricular activities.



- ❖ Since each individual student needs to think independently, the College encourages students participation in research work under the guidance of teachers which is evident from the projects, papers and power point presentations undertaken by them. Research work is carried out by the teachers also through pursuit of major and minor projects and publications as well as through M. Phil and Ph.D. programmes to further empower themselves

New academic programmes initiated (UG and PG):

- ❖ The College is affiliated to the University of Mumbai and new syllabi in all papers is introduced as per the guidelines of the Board of Studies convened by the University for the various subjects/papers at the UG/PG levels.
- ❖ Dr. (Mrs.) S. Shrivastava, under the aegis of Bhavan's Research Centre (BRC), has convened a Sandwich Course in Food Safety for UG/ PG students in collaboration with Quality Council of India, from 26th Dec'09 to 7th Feb'10.

Innovations in curricular design and transaction:

Contributions by staff

Ours is an aided institution affiliated to the University of Mumbai. It is hence bound by university rules and regulations. Curricular design is solely the right of the University of Mumbai. However, several members of the Teaching Staff hold numerous responsible positions on University Committees, which enable them to contribute to important decisions in the teaching-learning process. More than 50% of the teaching staff are appointed in various syllabus committees of the University and are actively involved in designing curricula in their subjects. During the current year following members were appointed

- ❖ Dr. V. I. Katchi, (Principal & H. O. D. Zoology), in Board of Studies in Zoology nominated in Faculty of Science.
- ❖ Prof. DhvanitaRao (Department of Mathematics resource person for the workshops of the revised S.Y.B.Sc. syllabus in Mathematics from faculty of Science.
- ❖ Dr. (Mrs.) P. D. Anthappan (HOD Microbiology) was invited as co-convenor of committee for preparation of new T.Y.B.Sc. Syllabus in Microbiology
- ❖ Dr. V. I. Katchi, (Principal & H. O. D. Zoology), convenor Zoology syllabus-TYBSc Paper-II; M.Sc.-(I) Paper-II; M.Sc.-(II) –Animal Physiology.
- ❖ Prof. Jyoti Moghe (Department of English) has been nominated on the Board of Studies Mumbai University to revise syllabus of the FYBA Communication Skills Paper.



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Apart from the above appointments teachers have contributed to syllabus design in other Universities within the State, and have been appointed as members of various Societies.

- ❖ Dr. V. I. Katchi, also participated in the Training Programme on “Certificate Foundation Course for College Administration
- ❖ Prof. DhvanitaRao (Department of Mathematics) is the secretary of Bombay Mathematical Colloquium, a registered society of teachers and researchers in mathematics.
- ❖ Dr. (Mrs.) P. D. Anthappan (HOD Microbiology) has been nominated on the Ad-hoc Board of Studies in Microbiology of SNDT Women’s University, Mumbai
- ❖ Prof. Sumedh S. Sawant (Department of Physics), is working as a resource person for experimental group of Physics Olympiad and as a resource person for Astronomy Olympiad.
- ❖ Prof.R.C.Patil (Department of Microbiology) was invited as Resource person for B.Sc. III syllabus workshop, organized by Solapur University Board of studies and UGC.
- ❖ Dr. (Mrs.) S. L. Samant (Department of Microbiology) has been appointed on the advisory board of Mycological Society of India (Mumbai Unit).
- ❖ Dr. B. M. Gore (Department of Zoology), elected as a member of Ethological Society of India.
- ❖ Prof. P.G.Patki and Prof. (Smt.) U.A.Phatak (Department of Statistics) had been invited as visiting faculty to teach M.Sc. (Statistics) programme conducted by NMIMS University. Prof. Patki has been a visiting faculty for M.Sc. (Statistics), University of Mumbai.
- ❖ Prof.R.C.Patil (Department of Microbiology) was invited as Resource person for B.Sc. III syllabus workshop, organized by Solapur University Board of studies and UGC on 8th Feb’10.

Other innovations in curricular design and development included the following-

The curriculum, emphasised the need for industrial visits, environmental education field programmes as part of the teaching learning process

- ❖ Seven departments conducted Industrial visits and study tours as directed in the respective curricula. These departments were BMS, BMM, Zoology, Botany, History, Geography and IT. Department of Biotechnology S.Y.B.Sc. students were given 10 days full time training on Molecular Biology at JIVAS, Bangalore.

The members of the Teaching Staff use various innovative teaching methods to simplify the learning process and make it more interactive and interesting: These include tools like campaign designing training programmes and honing creative skills of students.

- ❖ A campaign against use of abusive language on the campus-BEEP- was launched to sensitize students and staff about the need to curb abusive language



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- ❖ Students of mass Media designed the cover page of the Bhavan's College Prospectus. These two students were also involved in the designing of the cover page and layout of the Bhavan's College calendar Infomate.
- ❖ The "Plant Herbarium Exhibition" exhibited a collection of Plant specimens collected by students. Bsc. & M.sc. Botany.
- ❖ Eight students of the Economics Department entered the final round in market simulation competition conducted by Deloitte.

A number of Orientation programs for new entrants to the College/ seminars/ talks and guest lecturers were arranged for students during the academic year, as the extension of the curricular activities. Students also attended seminars and workshops held in other Colleges.

Total no Seminars/workshops/guest lectures organized at College -05

Total number Seminars/workshops attended at other institutions- 03

Various interdisciplinary programs were organized to ensure active interaction among staff and students of the various faculties, like competitions, exhibitions, presentations and workshops. Participation in these was for all Bonafide students of the College. Many of the Programs were organized by the various Departmental Associations of the College.

- ❖ The College is situated on a campus which has several educational institutions of Bharatiya Vidya Bhavan, from K.G. to P.G. These include an Engineering College and a Management institute. In collaboration with these institutions, Bharatiya Vidya Bhavan has founded BCIDS, the Bhavan's Centre for Inter-disciplinary Studies, which allows the students to pursue certificate and professional programs in Management simultaneously with their regular UG / PG course. Various other departments and departmental associations occasionally conduct activities which are inter-disciplinary in nature. During the year 2009-10, 10 such activities were organized in the College.

Examination reforms implemented:

Examination reforms are implemented as per circulars issued by the Mumbai University and Department of Higher Education, Government of Maharashtra, as and when required. The third year examinations of Arts, Science and Commerce Colleges are conducted by the University and the College functions as a center for such exams. Several of our staff are paper setters, moderators and examiners for the above exams.

In order to ensure the fairness and sanctity of the examination process, an Unfair means enquiry committee has been established. It keeps a vigilance during the exams. Students resorting to unfair means and malpractices are penalized and counseled by the committee as per the University



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Ordinances. *Teachers also were invited to contribute as external examiners of other Universities in the state*

- ❖ Prof. Sharad Tajane (Department of Chemistry) external examiner for M.Sc. by Nagpur University.
- ❖ Prof.R.C.Patil (Department of Microbiology) was as an external examiner for M.Sc. II (Microbiology) Solapur University and BharathyaVidhyapeth deemed university Pune, respectively.
- ❖ As a part of University Examination reforms Dr. SarojPatankar (HOD Marathi) was a member of the vigilance squad committee of Mumbai University, in the second half of the year 2009, i.e., from 1st October 2009, till January 2010.

However in order to enthuse the students towards Excellence in Academic Performance is a task undertaken by all teachers. The result of such exercise was achieved by the following students

- ❖ Mr.Sunil G Kansara was awarded M.Sc. by research degree in Chemistry under the guidance of Dr.Pandit.
- ❖ Under the guidance of Dr. (Mrs.) P. D. Anthappan, Ms. PranjaliDalvi has successfully completed her Ph.D. in Microbiology on 'Application of Microbial Enzymes in Textile Wet Processing' in November 2009.

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

Initiative towards faculty development programme:

- ❖ The College offers a conducive environment for professional development of the teaching faculty. Teachers are encouraged to attend Orientation and Refresher courses, workshops, Seminars and are granted long study leave under the FDP (Faculty Development Program).

Refresher Courses attended by existing teachers of various Departments- 06

The Teaching Staff regularly attends seminars and workshops as either resource persons or participants to share and update their knowledge:

Total no. of Workshops in which teachers participated- 08

Total no. of Workshops attended by teachers – 10

Teachers invited as Resource Persons by other Institutions -02

Papers presented/ read at Seminars Conferences by Teachers-30

Poster Presentation by teachers/ students- 10



Papers/ Articles Published- 06

Books published - 01

Research Papers Accepted for publication:

Following Research Paper have been accepted for forthcoming Research Journal publication:

- ❖ V R Kamble and M B Kanade, Nutrient relations of two Mistletoes and their host, GEOBIOS 37 (1), 2010
- ❖ Dr. (Ms.) Z. P. Bhathena- papers entitled 'Recovery of silver from exposed X ray film using alkaline protease' and 'Agricultural application of fungal chitosan with low degree of deacetylation' have been sent for publication in Journal Of Ind. Pollution Control & Asian. Journal of Microbiol. Biotech. & Env. Sciences, respectively. Under the aegis of Bhavan's Research Centre (BRC),
- ❖ Prof. S. V. Raut -Paper entitled "Screening & Characterization of Antimicrobial Substances produced by Bacillus species" has been accepted for publication in Journal of Pure & Applied Microbiology Vol.4, No.1, 2010.Seminars Conducted by the College -02

Department of Microbiology

- ❖ Dr. (Mrs.) S. Shrivastava, under the aegis of Bhavan's Research Centre (BRC), has co-convened the National Seminar on "Safe drinking water --- a privilege in the 21st. Century!!" on 29th & 30th Jan'10.

Grants received by staff for research/Consultancy

- ❖ Prof SandhyaSrivastava has undertaken contract research industrial consultancy on Bureau Indian Standards- Substansitivity Test on antimicrobial soaps and Cup Scrub Study for evaluation of efficacy of germicidal soap.
- ❖ Dr. (Mrs.) S. L. Samant has received University Minor Research Grant of Rs 30,000/- for the research work entitled "Survey Prevalance of ESBL Organisms in Pediatric wards".
- ❖ Dr. (Mrs.) S. L. Samant, has also received an UGC grant of Rs 1 lakh for organizing national workshop on "Fungal enzymes and their Applications".
- ❖ Dr. (Ms.) Z. P. Bhathena has undertaken contract research industrial consultancy for the presence of the novel organism Nesterenkonia in soaps.
- ❖ The College reimburses registration fees of one seminar /conference/ workshop per term attended by teachers. It grants Duty leave to all teachers attending Orientation/Refresher Courses regularly.
- ❖ Teachers have contributed their talent towards various privatebodies as well as creative activities
- ❖ Ms. Gayathri Narayan was member organizing committee for the National Symposium of comparative endocrinology and reproductive physiology at the ISC



- ❖ Prof. Neha Sawant acted in two Marathi Films “Rita (Directed by Renuka Shahane) & “Second inning” (Directed by Mohan Parab).
- ❖ Prof. Kranti C Gawali compeered a two day National seminar of the Centre of Social Exclusion and Inclusive Policies, S.N.D.T Women’s University.

Research projects

Newly implemented:

Department of Microbiology:

- ❖ Dr. (Mrs.) S. Shrivastava has received University Minor Research Grant of Rs 30,000/- for the research work entitled “Production of Alkaline Protease and Study of its Potential Applications”.
- ❖ Prof. S. V. Raut has received University Minor Research Grant of Rs. 26,250/- for the research work entitled “Antimicrobial Substances produced by Bacillus species”.

Department of Physics:

- ❖ Prof. D.R.Kendre, received a Minor Research Grant from BCUD of Rs. 17000/-.
- ❖ Prof. S.G.Gaurkhede, received a Minor Research Grant from BCUD of Rs. 25,000/-.

Department of Zoology:

- ❖ Dr. Asha J. Rao, Dr. V.I. Katchi, and Dr B. M. Gore, undertook a project titled “Screening of extracts of *Prosopisspicigera* (Lin) for antidiabetic activity in experimental mice model which was funded by University of Mumbai’2009.
- ❖ Prof Sanjay Jumale, Dr B. M. Gore, Dr. V.I. Katchi, and Dr. Asha J. Rao, researched on a project titled ‘Bitoxicological studies of the extracts of the Marine Sponge *Halichondria panacea* which was funded by UGC, 2009.

Completed: - nil

Patents generated, if any:

- ❖ Prof.R.C.Patil (Department of Microbiology) has filed Patent for production of lipase and its application in Biodiesel production and deposited & received accession numbers from DNA data base of Japan for eleven bacterial 16srDNA partial sequences.



New collaborative research programmes:

- ❖ Dr. (Mrs.) S. Shrivastava (Department of Microbiology) has undertaken contract research industrial consultancy on Bureau Indian Standards- Substantivity Test on antimicrobial soaps and Cup Scrub Study for evaluation of efficacy of germicidal soap.

Research grants received from various agencies:

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Details of research scholars:

Teachers as research scholars:

Teachers have registered for Ph.D. with the University of Mumbai:

Teachers as guides:

- ❖ Dr. MangalaPurandare (History)
- ❖ Dr. Vijay Bhave (Chemistry)
- ❖ Dr. Dagli (Chemistry)
- ❖ Dr. A. Venkatachalam (Chemistry)
- ❖ Dr. Maya Chemburkar (Botany)
- ❖ Dr. UshaParmeshwaran (Botany)
- ❖ Dr. V.I. Katchi (Zoology)



- ❖ Dr. AshajyotiRao (Zoology)
- ❖ Dr. ParvishPandya (Zoology)
- ❖ Dr. ZarineBathena (Microbiology)
- ❖ Dr. ParamjeetAnthappan (Microbiology)
- ❖ Dr. SandhyaSrivastava (Microbiology)
- ❖ Prof.Archana Calangutkar was awarded F.I.P. for pursuing Ph.D. by U.G.C.

Student Research Scholars:

- ❖ The College has Ph.D. research centers in the department of Microbiology, Chemistry, Physics, Botany and Zoology. The total number of research students enrolled for the Ph.D. Program is ___
- ❖ Ms. PranjaliDalvi has successfully completed her Ph.D. in Microbiology on 'Application of MicrobialEnzymes in Textile Wet Processing' in November 2009, under the guidance of Dr. (Mrs.) P. D. Anthappan.

Citation index of faculty members and impact factor: Not Applicable

Honors / Awards to the faculty:

- ❖ Ms. Shaila Mane and Mr. Balkrishna Gore (Department of Zoology), were awarded Ph.D. Degree in Zoology.
- ❖ Vishal Kamble (Department of Botany) was felicitated with an award and with certificate of Excellence and life membership in the field of Life Science conferred by Board of Editors Bionano Frontier on 4th March, 2009.
- ❖ Dr. (Mrs.) P. D. Anthappan, as a coauthor had awarded for best research poster presentation. Poster was entitled 'Production and Evaluation of Probiotic EM & Bokashi in soil regeneration' at the 50th annual conference of Association of Microbiologists of India (AMI) held at National Chemical Laboratory (NCL), Pune during 15th to 18th Dec, 2009. The poster was presented by EruchGorwalla.

Internal resources Generated: Nil

Details of departments getting SAP, COSIST (ASSIST)/DST. FIST, etc. assistance / recognition:

- ❖ The above schemes are not applicable to the College. However, the College was very fortunate to have become eligible to receive Grant from UGC .

Community services:

- ❖ NCC. Total no of Cadets enrolled for the year 2009-10 was 52 in Boys Wing and 52 in Girl's Wing.



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- Camps attended by the Girl's Wing
- Punjab Trekking Camp (Shimla):
- Disaster Management and Training at Aurangabad
- Nehru Institute of Mountaineering, Uttarkash
- Boys
- Scuba Diving Camp in Goa
- A.T.C. Camp in Uran
- RDC/GSC Camp
- R.C.T.C Rock Climbing Camp, Kerala

Awards and Prizes

- ❖ Firing - Gold :Cdt. NutanVhatkar
 - Bronze :Cdt. Roshna Toke
 - Solo Dance & Best Drawing - Anna

College Awards:

- ❖ Best First year cadet Roshana Toke
- ❖ Best Second year SUO Seema Sagvekar
- ❖ Best Drill JUO Rubina Mulla
- ❖ Best Adventure Cadet Seema Negi
- ❖ Overall Best Cadet Laxmi Pal
- ❖ Gold Medal in Essay writing competition Rishikesh Rane

NCC Social Activities

- ❖ NCC cadets participated in the lectures of “Why should blood be donated? and the Benefits of blood donation.”
- ❖ Cadets took part in Gandhi Saptah – they took charge of the whole programme. A Quiz was conducted by NCC quiz master – Col. Joshi ,Group Commander of Mumbai –A Group.
- ❖ Cadets took part in Savitribai Phule Birth Anniversary.
- ❖ Cycle rally to bring the awareness among the common people to use cycle and save petrol.
- ❖ Beach cleaning drive after Ganesh Vishrajan.
- ❖ Parade on Swine Flu on 15th August 2010.
- ❖ Cadets went to meet Mr. Rahul Gandhi – Youth Congress Secretary.
Cadets participated in the Republic Day Parade

Women's Development Cell

- ❖ To commemorate the 179th birth anniversary of one of the greatest and the first women educationalist of India, Krantijyoti Savitribai Phule, the College WDC helped to organize a one day programme on Savitribai Phule Jayanti on the 7th January,2010.. State minister Varsha Gaikwad spoke about the life of Savitribai Phule to students and the women of the



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employees of the College who were special invitees to the function. The College in association with Khadi Village Industries Commission (KVIC) organized a seminar on small scale industries for women. Mr V.G. Raut Assistant Director PMEGP and KVIC gave valuable information on various schemes available to women entrepreneurs.

N.S.S.

- ❖ During Ganapati Visarjan N.S.S. volunteers participated in a cleanliness programme on Juhu beach and controlled the mob during the Ganapati immersion on Versova beach.
- ❖ In January 2010, in collaboration with the NCC and the NSS unit of Degree College they went on a blood donation drive.
- ❖ On 14th January 2010, 'Makarsankranti', it flew kites with socially relevant messages on the campus and Andheri and Jogeshwari stations. They also distributed sweets to the underprivileged children of Khar Danda.
- ❖ The Unit participated in a three day camp on personality development organized by Sathaye College. On 8th March 2010, Women's Day, the Unit wished all women commuters travelling by local trains.
- ❖ The Unit also held workshops on Environment and Pollution, Tree Plantation, Drugs Awareness and AIDS Awareness.
- ❖ It held a rally on 1st December 2009, on AIDS Awareness Day.
- ❖ There was a group discussion on values of family and neighbors. Prof. Avinash Yamgar also enlightened students about Article 370.
- ❖ There were various competitions like poster-making, elocution, debate, essay-writing and singing which dealt with burning social issues. A unique rangoli competition for personality development was also held.

COLLEGE LEVEL PROJECTS:

- ❖ Awareness campaign against Swine Flu on Campus along with free distribution of face masks
- ❖ Volunteers sold handmade National Flags by differently abled children on Independence and Republic Day to the staff and students.
- ❖ NSS Volunteer Maya Gupta attended Commonwealth Programme at New Delhi.
- ❖ NSS Volunteers worked as writers for the visually impaired candidates appearing for the SBI Examination.
- ❖ Volunteers organised a Blood Donation Camp at College collecting 91 Units of Blood with help from Gandhi Charitable Trust Bandra.

UNIVERSITY LEVEL PROJECTS:

- ❖ Participated in a Peace Rally on the occasion of Gandhi Jayanti along with the University NSS Wing
- ❖ Volunteers attended a residential Leadership Training Camp at Sathaye College.



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- ❖ Volunteers joined rallies and functions organised at CST terminal, Gateway of India and Oberoi Hotel on 26 November in memory of the lost lives at the Taj Intercontinental by Terrorists
- ❖ Volunteers attended a workshop on E – Waste at Sathye College.

AREA / ISSUE-BASED PROJECTS:

- ❖ Organised an awareness campaign against Swine Flu in adopted slum areas of Sainagar and Shaktinagar; Participation by 48 volunteers. Face Masks were distributed at no cost among residents.
- ❖ Spread of safety awareness amongst commuters at Andheri and Jogeshwari stations undertaken by 45 volunteers.
- ❖ Crowd control during Ganesh Visarjan at Versova beach and Andheri stadium under the guidance of the local DN Nagar Police Station.
- ❖ NSS Volunteers helped NGO United Way in beach cleaning activity after the Ganesh immersion.
- ❖ Selling of handmade National Flags on Independence and Republic Day by differently abled children in association with Hitech Family Enrichment Foundation
- ❖ NSS Special Rural Camp
- ❖ The Rural Camp was held from 26/12/2009 to 09/01 2011 at village Pawarsakri Taluka Guhagar, District Ratnagiri .Volunteers constructed five check dams across a seasonal stream. Apart from manual labour volunteers undertook a cleanliness drive of the neighbourhood and spread community awareness messages through street plays amongst the Camp area residents.

Teachers and officers newly recruited

- ❖ Teaching-01
- ❖ Non Teaching-01
- ❖ Clock hour appointments-17

Teaching – Non-teaching staff ratio : 1 : 1.7

Improvements in the library services:

- ❖ **e-Resources Membership**
 - During this academic year Bhavan's Library has become a member of INFLIBNET N-List E-Resources Consortium. Under this scheme our library can access E-journals and E-books.
 - Data entry of 1106 new books has been successfully completed.



❖ **Library Infrastructure**

To cope up with the growing collection and to meet the needs of the readers, library has procured

- 6 book racks,
- 1 printer and
- 12 chairs
- costing all together Rs. 52455/-

❖ **Library Volunteers Scheme**

- Rajeev Verma, Prashant Kolte (both F.Y.B.Sc.) and Kamleshkumar (T.Y.B.Sc.) were selected as Library Volunteers for the year 2009-10. The volunteers were trained in library housekeeping operations and basics of computers.
- Mrs. Kranti Gawali taught the library volunteers about how to operate and use the Laptops and Mr. Nitin Patil trained them in basics of computer hardware and networking.
- Rajeev Verma and Prashant Kolte also worked as student editors for publishing our College magazine “Amrutam”.

❖ **Book Exhibition**

- On 21st and 22nd of January 2010 an exhibition cum sale of books was organized. There were seven book suppliers exhibited large collection of books from reputed Indian and Overseas publications. A large number of students and staff members participated actively.

❖ **Book Bank Facility**

- From this academic year along with Reserved Category students, we extended the “Book Bank” facility to Economically Backward students and physically challenged students. For making this facility more beneficial to the students, library will procure more number of books and maintains a separate budget for the same.
- The College Library provides reading services to the physically Challenged students. For this, Book Bank Books Scheme for physically Challenged students has been initiated. With this goal, library has started adding good number of books under this scheme.



❖ Other Activities

- With an enthusiastic initiative from Dr. Saroj Patankar and Prof. Neha Sawant, Marathi Dept. Library was established. The relevant and syllabus based books were transferred from Main Library to Marathi Dept. With this the students from Marathi department will have an easy access to the collection.
- In collaboration with “Satbhavana Week” organizing team, Bhavan’s Library organized Two Days Book Exhibition at BCCA. In this exhibition Books on Gandhiji as well as books written by Gandhiji were exhibited.

During this academic year the Bhavan’s College Library has added a valuable collection of 1106 books costing Rs. 2,96,783/- (inclusive Junior College) and around 33 technical journals and 30 magazines are being subscribed by the library.

Courses in which student assessment of teachers is introduced and the action taken on student feedback:

- ❖ Student Assessment of teachers is conducted in all courses, annually and as of now the feedback analysis is done manually. In case a teacher fails drastically in his/her performance, the feedback content and analysis of the teachers is conveyed in confidence verbally, and is conveyed to each department collectively, by the Principal during the Department faculty meetings or meetings with Heads of Department.

Unit cost of education:-The unit cost of education as per College records is

Year	Total No. of students	Total Expenditure	Cost per Unit
2009 - 10	3018	67960940	22578

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

- ❖ The process is fully computerised and computed merit list data is available for the current year in all faculties

Increase in the infrastructural facilities:

- ❖ All resources generated by the College have been directed towards the construction of a new five storied building expected to be ready by 2012.
- ❖ Apart from the above the College has spent a total amount of Rs2535724/= on maintenance of ICT Infrastructure, equipments etc.,



Technology upgradation

- ❖ The accounts department is computerised with Foxfro/Lotus software for financial transactions and management of data. The Accounts section has been equipped with three computers and internet.
- ❖ The library is computerised by the LIBSIS software and has an internet connection with 512 kbps speed.

Computer and internet access and training to teachers and students:

- ❖ Computer and internet access is available to all the bonafide students during College office hours. Training to teaching and non-teaching staff is given as and when required. All Science departments have computer with internet access in the departments. The teachers as well as the students make extensive use of the computers for making PowerPoint presentations, preparing seminar papers and projects as well as for reference work by surfing the internet.

Financial aid to students:

- ❖ Financial aid to students is available, through Government Scholarships, Freeships, and any other scholarship/ financial aid permitted by the University, or from awards scholarships instituted by the College.

Details of Government Scholarship and Freeships received –Freeship amt 9,79325/-

- Scholarship amt 16,9604/-
- Cash Awards disbursed by College-

Activities and support from the Parent-Teacher Association:

- ❖ Parent-teacher meetings are conducted by the Departments in order to provide feedback to the parents about the performance of their wards.

Health services:

- ❖ A Holistic health centre is available for all staff and students on the campus. A yoga centre and meditation centre also caters to the staff, students and stakeholders.

Performance in sports activities:

- ❖ Our growth in the field of sports has been both consistent and remarkable. Indoor as well as outdoor sports facilities are made available to the students. This year too the students participated in various events held at the National, State and the District levels and brought home lots of awards and laurels.
- ❖ College has a busy sporting schedule wherein, various inter-class tournaments in the events of football, cricket, volleyball, chess, and table tennis are organized in the



AQAR: 2009-2010

beginning of the academic year. The talented students identified through these competitions are selected for representing the College at the inter-collegiate sports meet. Services of best coaches are hired and latest equipments are made available to the participants. Keeping in mind the time and efforts these students put in for practice sessions, these sportspersons are helped by the faculty members to cope with their studies. Extra lectures/practicals are arranged for helping these participants. The sports contingent of the College has participated in numerous inter-collegiate events and our students have represented the University of Mumbai at State and National level.

- ❖ Apart from the regular sports schedule, there is an Annual Athletics meet in which, many track and field events are organized.

List of Sports/Games available :

Indoor Games	Infrastructure available	Outdoor Games	Infrastructure available
Chess	Space and equipment	Football	Goal posts, Standard playground
Carrom	Space and Equipment	Cricket	All equipment, Standard size ground, practice pitches
Table tennis	Tables and equipment	Athletics	300 mt track, 6 tracks
Badminton	Equipment	Volleyball	Two courts, Balls, equipment
Judo		Basketball	One clay court, balls
Yoga	Space	Kabaddi	Two Kabaddi courts
Boxing	equipment	Baseball	
Swimming		Softball	
Wrestling		Lawn tennis	
Weight lifting	Weights	Cross Country	

Performance of the College in the sporting events

Year	Events of participation	Details of participation		Positions held
		Number of participants	Level	
2009-10	Athletics	08	University level	-
	Cricket	16	University level	-
	Boxing	04	University level	-
	Table Tennis	04	University level	-
	Football	16	University level	-
	Chess	06	University level	-



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- Ms. Neha Naringarekar secured 3rd rank in All India Inter- University Tennis competition
- Ms. Disha Shetty participated in Inter-collegiate karate competition

Incentives to outstanding sportspersons:

- ❖ Students who represent the College in various sports are unable to attend classes regularly due to the demands of their training schedule and competitions. The teachers provide them extra guidance in their studies whenever required. Sportsmen excelling in sporting events and representing College at University/State /National level are awarded 10 grace marks in the university examination under the ordinance 0.229 A. The performance in sports is counted for the highest award of Bhavan's College, i.e. the Kulpati medal for the Best student.

Student achievements and awards:

- ❖ Kiran Jaiprakash Shukla (Gold Medal) for securing highest number of marks in the subject of Zoology.
- ❖ Ambarish Pawar (M.Sc. II) played a pivotal role in an 'exhibition in Astronomy' to celebrate the International Astronomy Year 2009 organized by Jana Seva Samiti under the direction of famous Astronomer Prof. Mohan Apte. He was also allowed Leave of absence from the practical to participate in the major celestial event of 'Total Solar Eclipse' on 22nd July 2009. He went to Itarasi, M.P. to observe the event. His interviews were published in the local newspapers. He has also recorded some part of the event. He was deputed by the department to participate in one day seminar 'Birth Centenary of Dr. Homi Bhabha' at TIFR, Colaba, in the month of June.
- ❖ Pranay Parab (TYBMM) and Ankit C. (TYBSc. Comp. Sc.) won the first prize in the Hindi Journalism event at Umang, N.M.College, Vile Parle (West).
- ❖ Janmejy Singh, Pranay Parab and Tanumoy Bose (all TYBMM), won the 1st prize in the "Political Jhamela" event at Umang Festival.
- ❖ Pranay Parab (TYBMM) also won the 2nd prize in the intra-College photography contest held by the Bhavan's Botanical Society.
- ❖ Vipasha Rathod and Shraddha Iyer of TYBMM won the 3rd prize in the fashion show event, Wilson College.
- ❖ Mayur Patel of TYBMM won over 20 singing events in various Colleges in this academic year.
- ❖ Vandana Sharma and Harshal Ghatole won a prize in the caricature event, L.S. Raheja College.
- ❖ Apurva Puranik and Nikita Sawant won the 2nd prize in the creative writing event at Wilson College. Karanjeet Singh, Shashank Boricha, Nikhil Kokane, Harsh Verma, Sandip Kunchikorwe and Pavan Meshram won the 2nd prize in the football tournament at both Wilson College



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- ❖ Harshal Ghatole and Prithi Thakore won the 2nd prize in the poster making competition at Wilson College.
- ❖ Shubhra Amre won the 1st prize in the glass painting event,
- ❖ Harshal Ghatole won the 1st prize in the Poster Painting event,
- ❖ Vandana Sharma bagged the 2nd prize in Poster Painting event
- ❖ Prithi Thakore won the 3rd prize in the Poster Painting event at Ritumbara College.
- ❖ Ritvik Sharad, Kiran Dalvi, Margaret Alexander and Aatif Shaikh of FYBMM won the 2nd prize in the Photography event at National College.
- ❖ Vipasha Rathod (TYBMM), Krishma Solanki, Madhura Birhade, Anshuman Singh and Vinod Thorve (all FYBMM) won the 3rd prize at the Fashion Show event at National College.

Academic Achievements:

University Ranks:

Students securing First Class at the T.Y.B.Sc., T.Y.B.A., AND T.Y.B.Com University Examinations:

Achievements in co-curricular activities & Achievements in extracurricular activities:

- ❖ Apart from the NCC NSS Gymkhana and Departmental Association Activities already mentioned in point no 18,33,and 36 the following achievements need special consideration

UNIVERSITY YOUTH FESTIVAL 2009-10: Staff contribution

- ❖ Dr. Ajay Kamble (Department of Geography) was appointed as “Observer” by the Honorable Vice-Chancellor to co-ordinate the smooth functioning of Mumbai University Youth Festival 2009-2010. He was Appointed as Honorable Governor’s Observer, by Raj Bhavan to supervise the organization of the seventh Maharashtra Inter-University Youth Festival Organised by Association of Indian Universities (AIU) and hosted by University of Mumbai. Prof. Ajay Kamble was also appointed as the Joint Organizing Secretary of the Silver-Jubilee west zone Inter-University Youth Festival, hosted by University of Mumbai. Dr. Kamble led the University cultural contingent as the Team Manager, participating in the National Youth Festival, at M.D.University, Rohtak Haryana.
- ❖ Prof. Nirmala Pawar (Department of Economics) represented University of Mumbai for the West Zone Competitions at Mumbai University Campus as a Team Manager. For the West Zone competitions organised by the University, she worked as the Incharge of the Dance Section, Accommodation and member of Registration Committee. She Represented University of Mumbai as a Team Manager for the National Youth festival at Rohtak, Haryana and won the overall Championship.



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- ❖ **INTER-COLLEGIATE CULTURAL EVENTS** Another aspect of Student activities is the cultural activities, which make the Campus a vibrant and colourful place for the students. Cultural committee oversees all the cultural activities. It comprises of faculty members and student representatives. Cultural activities of an year generally begins with “Talent Search” , which aims at identifying the talented artists amongst the newly admitted students. Winners of this intra-collegiate competition get a chance to represent the College various inter-collegiate competitions organized by the University and other Colleges. The College hosts two major cultural events.
(a) O2 the Fest, where life beginsand (b) Ray Film Festival.

Prizes and Awards at National level Youth Festival of Universities:

CULTURAL ACTIVITIES (UNIVERSITY YOUTH FESTIVALS)

YEAR	EVENT	EVENT DETAILS	POSITION/PRIZE
2009-10	Group Song	Mumbai University Youth festival	2 nd
2009-10	English story writing	Mumbai University Youth festival	1 st
2009-10	Rangoli		3 rd
2009-10	Mimicry		3 rd
2009-10	Group Song	AdarshShinde at Inter-University Zonals	1 st
	Light Vocal	AdarshShinde at Inter-University Zonals	2 nd
	Group Song	AdarshShinde at Inter-University National, Rohtak, Haryana	1 st
	Light Vocal	AdarshShinde at Inter- University National, Rohtak, Haryana	2 nd
	Instument	Devang Shinde	

Apart from University Youth Festival, the College contingent participates in various other cultural meets organized by other Colleges. In the year 2009-10, the College contingent participated in 30 such festivals, where we won Overall Championship trophies in 6 festivals.



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Co-curricular, Extra Curricular Activities

- ❖ The College celebrated the Sadbhavana week a Bhavans Campus initiative was organised by the College to pay homage to The Father of the Nation Mahatma Gandhi from 2to 9 October 2009. The program was inaugurated by eminent director of the play Gandhi My Father Shri Feroz Khan.
- ❖ An exhibition of paintings on Gandhi by upcoming artist Mr Ashok Mody was on display Ashok .
- ❖ A Bhajanavali was arranged in which students sang melodious bhajans and students of the College participated in a rally to spread the message of peace and equality as preached by Gandhiji.
- ❖ Swarsamvad a musical fest was organised to celebrate the festival of Deepavali .
- ❖ Our own Inter Collegiate Festival O2 the Fest in collaboration with Tata Docomo was held from 17-19 December. Colleges participating in the festival were over 50in number this year. The theme of the fest this year was ‘On the Road With the Rules’ and Mr Nandkishor Naik an RTO officer presented the inaugural address on the opening day. The Festival had a plethora of events like ad film making, Gully Cricket, remote car racing, clay modelling, graffiti and Photoshop to name a few. The evening cultural show was a tribute to Michael Jackson with enthusiastic singing and dancing by the students. On day two rock bands from participating Colleges enthralled a foot tapping audience comprising of staff and students. The popular events on the third day were basket designing and the Fashion show. The finale was the street dance finals. Khalid Siddique , DJ Sherwood Karan Oberoi, Aditya Narain and salsa king Sandeep Soparkar graced the festival and some performed for the benefit of students. The Trophy was won by N.M. College of Ville Parle.
- ❖ Ray Film Festival an inter-collegiate film festival dedicated to Indian Cinemas Shri. Satyajit Ray was organised from 23-25 December with 35 Colleges participating in the same. This was the first year of the festival and enthusiasm amongst students was at an all time high. The festival spanned three days and had events in fiction, factual, music based, and advertising related media issues. There were workshops conducted by notable names like Chetan Pandit and Dibakar Bannerjee. The finale was a grand Awards Nite graced by Illa Arun, Sukhwinder Singh, music director Ajay Atul and film director Anil Sharma. The festival is named in the memory of the famous Film Director Shri Satyajit Ray and Films by the famous director were screened on all the days.
- ❖ An orchestra group by the name of Snehankit was formed by the students and this group participated in four programmes outside the College.

Activities of the Career Guidance and Counseling unit:

- ❖ The Career Guidance Cell kick-started its activities in November 2009 with a seminar on “Optometry as a Profession”, conducted by the Lotus College Of Optometry. The speakers, Ms. Sudha Tambe and Ms. Jinal Zaveri spoke to students about this off-beat career and its future prospects. They gave students detailed information about the duration



- of the course, the fee structure and the syllabus. The students were given an insight into diagnosing visual problems and prescribing visual aids like glasses and contact lens. The students were also given information about the criteria they were required to fulfill in order to pursue this paramedical profession.
- ❖ In November 2009, an aptitude test was organized in association with the Hindustan Times for students of the Arts, Science and Commerce streams. In a power point presentation students were briefed about the importance of planning a career and the role of aptitude tests in choosing a career.
 - ❖ In February 2010, a seminar on “Career Options after S.Y.J.C and its Future Prospects in the Global Environment” was held. This was conducted in association with Career Launcher. The speakers emphasized the importance of time management and aptitude; gave information about various institutes; placement opportunities and guidelines for cracking the various entrance examinations. On the same day, Shoman, a marketing agency held a workshop and organized a national graffiti competition for students. The theme was ‘My Life in a Backpack’. This competition gave the students a unique platform to express themselves.

Placement services provided to students:

- ❖ The Placement Cell holds on-campus recruitments on a periodic basis, assists students in summer jobs, training programmes and procuring part-time jobs. For the past few years, College has received enquires for placements from Morgan chase, Wipro, TCS, Mahindra Tech, ICICI Prudential, HDFC Standard Life etc. Placement cell provides interested organizations with the details of students and also informs the students about their placement schedules and procedures of these organizations.

Development programmes for non-teaching staff

- ❖ Annual cricket Tournaments are organized between the teaching staff and the non teaching staff during the Annual Sports meet of the College. There is always an enthusiastic response from all staff members.
- ❖ The NSS volunteers adopt Shakti Nagar, the residential area of the non teaching staff for all their area based social projects.
- ❖ The Savitri Bai Phule lecture held annually is attended specially by the female family members of the non teaching staff

Healthy practices of the institution:

- ❖ O2-The Fest: Where Life Begins
- ❖ Ray – A Journey Through Lens



- ❖ Satbhavana Saptah- Tribute to Mahatma Gandhiji
- ❖ Ashirvachanam:
- ❖ Vanamahotsav:
- ❖ Savitribai Phule Day-Women Empowerment
- ❖ Dr. Ambedkar Memorial Lecture:
- ❖ Kulpati Munshi Memorial Competitions
- ❖ BCIDS

Linkages developed with National / International, academic / Research bodies: Nil

SECTION C

Outcomes achieved

- ❖ A number of our teaching staff contributed to Academic activities related to various educational activities which helped teaching-learning process. Prin. Dr. V. I. Katchi was nominated as Member , Board of Studies in the Faculty of Science and also the Convener to frame the T.Y.B.Sc. and M.Sc. syllabi in the Department of Zoology. To update he administrative skills she also attended training programme in College Administration, organized by Government of Maharashtra. 2 of our staff members worked as subject experts on selection committee for selection of professors. Staff members also worked on vigilance squad committees, Board of Studies, LIC nominee on behalf of University of Mumbai. Prof. D. Rao, Department of Mathematics is the Secretary of Mathematical Colloquium and also member of RMO Assessment team, Steering Committee, Madhava competition (Pune University), resource person for workshop on syllabus revision.

Other staff members have worked on various committees at SNTD University, NMIMS, Solapur University, Nagpur University, Bharatiya Vidyapeeth deemed University.

Our staff was active not only in academic activities of Universities but also other cultural activities too. Prof. Ajay Kamble (Geography), was appointed as observer by H'ble Governor and Vice Chancellor of the University to supervise Youth Festival activities. Prof. Nirmala Pawar was the team Manager for West Zone as well as National Youth Festival. One of our staff members was elected as a member of /Ethological Society of India.

Two innovative projects were taken up by the BMM students (i) 'The Ray Film Festival' and (ii) "BEEP" project. Student along with staff were encouraged to participate in Symposium on Gay 7 Lesbian Literature, Department of History organized seminars on "Folklore" as a source of History. Language Department screened old movies and plays by renowned writers were shown, to familiarize students with either writing skills.



Industrial visits were organized by like Biotechnology and students were sent for industrial training to gain practical knowledge. Field trips and excursions were arranged by Departments of Zoology, History, Marathi, Psychology and Botany to supplement teaching. Photography competition, poster making competition, floral rangoli competition etc were organized which helped to make learning more interesting. Guest lecturers on diverse topics like Forensic Science, Forensic Psychology, Globalization, Mood Disorders, Breast Cancer awareness, and many more have been conducted. Students also participated in “Satbhavana week” for better perception of Gandhism. They also took part actively in the Lok Sabha Election activities like encouraging citizens for poll registration and post poll analysis.

All these activities were appreciated by the students and helped then in academic pursuit and students participated in large number.

- ❖ A number of staff members took part in research activities, by attending seminars, reading papers and publishing papers in recognized journals and publications.

This year 4 minor research projects were granted by UGC to the College.

Two research projects were undertaken by Prin. Dr. V. I. Katchi and others in the subject of Zoology, which was funded by UGC.

The most important research activity this year was that of Prof. R. C. Patil, Department of Microbiology. He has filed a patent for the production of Lipase and its application in Biodiesel production.

Deposited and received accession numbers from DNA data base of Japan from eleven bacterial 16 sr. DNA partial sequences.

- ❖ During this academic year, the Library has received a membership of INFLIBNET N-list E-Resources consortium. Under this scheme our Library can access E-journals and E-books. A number of staff members and student will now be access National/International E-reading material which will help to further raise the quality and quantity of research activities of the College.

A valuable collection of 1106 books, 33 journals and 30 magazines are being subscribed by the Library. To cope up with this growing number, 6 book racks, a printer and 12 chairs were purchased. A total of 3.5 lacs were spent on Library this year. Various activities like: (i) Library Volunteers Scheme (ii) Book Exhibition (iii) Book Bank facility (iv) Reading services to physically challenged students were also carried out this year.



Any other relevant information the institution wishes to add:

Grants sanctioned by University Grants Commission, amount sanctioned to the College is as follows:

Sr No.	Utilization of grant (for)	Rupees
1	College Development (Undergraduate Department)	Rs. 21,0000
2	College Development (Post-graduate Department)	Rs. 40,0000
3	Various Merged schemes for training and coaching underprivileged, differentially abled students for various competitive exams and for providing special facilities	Rs. 83,0000

Section – D

Plans of HEI for the next Academic Year 2010-2011

- ❖ To prepare the College for implementation of Credit Based Semester and Grading pattern of Education to be introduced by the University with effect from the next academic year.
- ❖ To establish a counseling and Career Guidance Cell- to guide and advice the students on Career Selection. To organize seminars and encourage Campus Placement
- ❖ To encourage more students to take part and excel in sports activities, by improving the College Gymkhana facilities.
- ❖ To provide computers and internet facility to all the Departments of the College.

Sd/-

Dr. (Mrs.) Asha J. Rao

Name & Signature of the Director/Coordinator

Sd/-

Dr. (Mrs.) V.I.Katchi

Name & Signature of the IQAC Chairperson

