



Bharatiya Vidya Bhavan's

**Hazarimal Somani College of Arts & Science and
Jayaramdas Patel College of Commerce & Management Studies**

Kulapati K. M. Munshi Marg, Chowpatty, Mumbai - 400 007



RAR PART - I



RAR Part - I



RAR PART - I: CRITERIONWISE REPORT
RAR PART – II: DEPARTMENTAL EVALUATIVE REPORTS

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PREFACE

Bharatiya Vidya Bhavan's Hazarimal Somani College of Arts and Science and Jayaramdas Patel College of Commerce and Management Studies, is one of the many institutions falling under the auspices of the prestigious Bharatiya Vidya Bhavan, an educational trust founded on 7th November 1938 by Kanaiyalal Maneklal Munshi, an educationist, a visionary, a philosopher and a Pioneer in the framing of the Indian Constitution. From small beginnings the Bhavan has grown into an International cultural and educational movement.

Nestled close to the magnificent dome structured parent body, at KM Munshi Marg in Chowpatty, the college was inaugurated in June 1965 in the august presence of its Founder President. A generous donation by late Shri GD Somani in memory of his Grandfather late Shri Hazarimal Somani, paved the way for the establishment of Bhavan's Hazarimal Somani College of Arts & Science and within a span of four years was permanently affiliated to the University of Bombay (now Mumbai). In 1975 the Junior College came into existence.

Taking note of the growing demand for commerce courses and facilitated by a magnanimous gesture by Shri Jayaramdas Patel, the Jayaramdas Patel College of Commerce and Management Studies came into existence in 1980.

Today the college offers: B.A., B.Sc., B.Com, M.Sc. in Chemistry (By paper), M.Sc. in Chemistry & Zoology (by Research), M.Com.(Management), B.M.S, B.Com (Accounting & Finance) & Ph.D. in Chemistry.

Our Founder President has laid down the goals which are the founding principles of the college. The management of Bharatiya Vidya Bhavan has steadfastly worked towards fulfilling the Mission laid down by Munshiji and our gratitude to them for their able and sound guidance in imbibing these principles and passing them on to the future generations.

Situated at Chowpatty the college is accessible by both train and bus. Largely patronized by Middle and Lower income groups, our institution has a special place for the economically and socially backward classes as also the handicapped.

Being accredited with 'B' Grade in the first Peer team visit, the college is striving hard to improve its quality and image by working on most of the shortcomings pointed out by the Peer team in 2004. The Current Re-accreditation and Assessment Report is just an attempt to briefly summarize the activities and achievements of the college in the last few years and hopefully they help in taking our institution to greater heights in the years to come.



EXECUTIVE SUMMARY

Subsequent to the NAAC Peer team visit in February 2004, the long post accreditation period has been an eventful one, with several developments on both the curricular as well as on the curricular front. Let us therefore briefly summarize the important activities conducted during the interim period.

Education is a creative act involving an amalgamation of knowledge and skills. The proportion of knowledge and skills depends on the stream of study, which varies from year to year. The Credit Based Semester Grading system was introduced by the University of Mumbai in 2011-12, with 60 marks assigned to semester end examinations and 40 marks to internals. The marking scheme has changed from 2014-15. Under the new scheme 25 marks are allotted to internals and 75 marks to semester end examination.

Assigning of projects to students gives scope to innovative approaches. The task of gathering extra information not only fosters reading habits among them, but also develops computer awareness as internet usage has to be made.

The college has been successful in introducing five new courses namely:

- 1) Bcom (Accounting & Finance);
- 2) Mcom (Management);
- 3) MSc in Chemistry & Zoology (by Research);
- 4) PhD in Chemistry

Teachers increasingly make use of OHP/Models/Power Point Presentations/ educational sites to deliver lectures, apart from the traditional chalk and duster method. While the brilliant students are encouraged to excel in fields of their skills and performance, special attention is given to the academically backward ones with remedial lectures/practicals arranged for them.

Additional reading material on related topics extends far beyond textbooks. Regular competitions/seminars/workshops/seminars on subject related topics are organized. A classic example would be the competition of making advertisements, annually organized by the Commerce Department. This not only helps in improving the knowledge of the students, but also provides a platform for display of their creative skills.

Students are regularly taken for study tours/industrial visits/excursions/ to learning centers like Nehru Planetarium/Homi Bhabha Center/Stock Exchange/Dairies etc. They are required to make a Report on their return so as to understand the extent of assimilation of knowledge through such trips.

We are privileged to have several energetic & talented students; this is best illustrated by the launching of the college website in February 2012. Website designing was a project given to SYBMS students and their innovative and creative efforts resulted in the official launching of the college website without any external help.

In this context we would like to mention that our student Mr. Dhawnish Shukla stood sixth among the students appearing for the TYBcom University examination of March 2013 and was felicitated by the Vice- Chancellor of the University of Mumbai.

Mr. Suresh Singh Solanki, General Secretary of our college, was selected as University Representative on the basis of his Curriculum Vitae in the academic year 2012-13.

One of the most notable achievements has been the development of Research Culture in our college. Research plays an important role in this competitive world and accordingly our institution is encouraging the same, by providing adequate infrastructure such as a well-stocked library, equipped laboratories and a computer laboratory providing free internet access during



the working hours of the college.

The college is privileged to have two Research Laboratories namely:

- 1) The Chemistry Research Laboratory on the ground floor of the college main building and
- 2) The Zoology Research Laboratory on the third floor of the college main building.

Teachers are encouraged to organize/ attend workshops/conferences/seminars and present and publish papers. Likewise non-teaching staff are also persuaded to attend workshops and conferences. While duty leave is sanctioned, the registration fees are borne by the college. Most of teachers have several publications (both national and international) to their credit. With career advancement in mind, teachers are encouraged to attend Refresher/Orientation Programs. Another welcoming feature has been the sharp increase in the number of teachers undertaking Minor/Major Research Projects.

To date the college has successfully organized one State level, three National level and two International level Seminars as detailed below:

- 1) An ICSSR sponsored State level Seminar on “Maharashtra Facing the Sahyadrian Challenge to Prosperity” in September 2005;
- 2) A National level Seminar on “Global Reins in India's Hands by 2020” in September 2006;
- 3) An International Seminar on “Economics of Higher Education – Changing Role in the New Global Order” in September 2010;
- 4) An International Seminar on “Symbiosis between Academia & Corporate World – A Step Forward” in November 2012;
- 5) A UGC sponsored National Seminar on “Higher Education-A Directional Impetus” in September 2013;
- 6) A UGC sponsored National Seminar “CANTAA 2013” in November 2013.

Renowned personalities like Padma Vibhushan Awardee Dr. Anil Kakodkar, Padma Bhushan Awardee Dr. B.M Hegde, Dr. J. Tilak from NUEPA New Delhi, Dr. Chandrahas Deshpande from MEDC, Dr. Abhay Pethe, Dr. Dolly Sunny & Dr. Ajit Karnik from Department of Economics University of Mumbai, Dr. Vibhuti Patel from SNTD Women's University, Mr. Venkatramani from TCS, Dr. Sunil Patil from Symbiosis Pune, Dr. Wankhede from TISS, Dr. ST Tilak from Pune Dr. Jogdand, Dr. Abid Munshi, Dr. Ramchandra Rao, Dr. Rajan Velulkar Vice Chancellor University of Mumbai, Dr. Rajpal Hande Director BCUD University of Mumbai etc participated in these seminars. In addition International Scholars such as Dr. Kishore Kulkarni from Metropolitan College, Denver, USA and Dr. Justin Paul Faculty University of Washington, USA, have also attended the same as Resource Persons.

The college has been giving a lot of weightage to environmental issues. A number of plants have been maintained in the space between the outer wall of the Chemistry Department and college compound wall. A Botanical Garden is maintained on the fourth floor terrace of the college main building, where a number of medicinal and general plants are displayed.

The Students' Council of the college in collaboration with the NSS unit and college authorities organized an Anti - Smoking Week in December 2012, to highlight the evils of smoking. This was inclusive of a Poster Competition, Mock Parliament, Street Play and a massive Rally where students from all South Mumbai colleges participated.

The most notable feature in this context has been the UGC sponsored National Seminar on “CANTA 2013” on environmental sciences conducted by the Botany and Zoology Departments of the college.



Our college has a strong NSS unit. The objective of NSS is development of personality of students through community service. The motto of the NSS is 'Not me but you', which emphasizes the understanding of the needs of the community in which they work. A number of community based and environmental issues are addressed by the unit. In this context we would like to mention that **Ms. Mittal Panchal of TYBcom was the Recipient of the Best Volunteer Award (female) at the University and district level.**

The college has a well-stocked library with a wide variety of books ranging from subject related to those covering general areas. To its credit it also possesses a few rare books. OPAC terminal has been installed at the entrance of the library to facilitate searching of library catalogue. Adobe Digital Edition is made available to help borrow electronic resources online. Our college is a subscriber of UGC N-List Program which provides federated searching tools.

A heartening, unique feature has been the starting of Martial Arts by our own Alumnus Mr. Ajay Kanerkar for female students and staff of our college. This provides self defence to our girl students in this modern era.

The college has a registered Alumni Association. Members of the association carry on various productive activities like motivational speeches to the present lot of students, conducting Martial Arts classes, looking after Placement, choreographing college events, script writing, directing plays etc.

The Alumni Association of the college conducted an event "Ice-Breaker" on 19th July 2014. The Program saw a motivational speech being delivered by our alumnus & current Vice-President (Internal Auditing) of Kotak Mahindra Bank, Shri Aashish Athalye via power point presentation. He laid emphasis on the role of hard work, thinking out of the box and specializing in one's area of interest while pursuing one's academic and professional goals.

This inspirational lecture was followed by a debate conducted by our alumnus Shri Rupen Doshi, CEO of Futuretech India Ltd, on "Western Culture ki jai ?". This session witnessed a lot of inter active participation and prizes for the 'Best Male' and 'Best Female' Participants' were given away by I/c Principal Dr. (Mrs.) Medha. J. Gupte.

The college has a Parent Teacher Association which provides a basis for the interaction between the parents and the teachers. Various aspects such as attendance, performance and problems are discussed at such meetings. We also have a Counseling and Guidance Center under the able guidance of Prof Rina Dhonde, which attends to the problems which are socio-psycho in nature. There is a Placement Cell which looks after on campus recruitment of students.

Based as it is, on the principles laid down by Munshiji the college believes in a synthesis between Curricular and Co-curricular activities. We are blessed with culturally talented group of students. The annual intra-college cultural festival Kalashree provides an opportunity to the students to display their innate talents which can be fostered in the future.

Most importantly the college has a special place for the economically and socially weaker sections of society, the handicapped and the under-privileged. We strictly adhere to the norms laid down by the University of Mumbai and seats are allotted accordingly. Further, we would like to add that the disabled quota is also followed in the appointment of staff (both teaching and non-teaching) and we are happy to say that one of our staff members who retired on superannuation as Vice Principal, was physically handicapped. A special mention has to be made of the railing facility provided at the entrance to ease the mobility of the handicapped.

Preparation of the Reassessment and Accreditation Report is no doubt mandatory, but the point to be noted is that self-assessment is a long drawn out process. It has to be continued in a systematic way if we wish to take ourselves to greater heights.



SWOC ANALYSIS

Strengths:

- 1) The college is privileged to belong to the illustrious Bharatiya Vidya Bhavan
- 2) A strong Vision and Mission statement
- 3) Special facilities are provided for the economically and weaker sections, the under privileged and the handicapped
- 4) Merit is the criteria for granting admission, while simultaneously following the reservation policy as stipulated by the University of Mumbai and Government of Maharashtra
- 5) We possess competent and dedicated faculty
- 6) The college has strong Research culture substantiated by two Research Laboratories/ a number of publications and projects undertaken by the faculty
- 7) There is provision of free internet facility during the college working hours
- 8) The college has a well - equipped and updated library
- 9) We have a strong NSS unit
- 10) No gender discrimination is followed in the appointment of staff and in the carrying out of routine activities
- 11) The existence of a Counseling and Guidance Centre to deal with socio psycho problems
- 12) Martial Arts classes have been started for the lady students and staff
- 13) We have the advantage of being located next to the parent body
- 14) Computerization of account related administrative functions
- 15) To date one state level, three national level and two international level seminars have been organized by the college
- 16) The college has been an Alma Mater to some illustrious personalities

Weaknesses:

- 1) Paucity of space is a major constraint
- 2) The college does not have a Ground of its own for outdoor games
- 3) The long drawn out administrative procedures by the public authorities makes filling up of vacant teaching Posts difficult
- 4) As non- salary grants are not been released by the government, infrastructural developments become difficult

Opportunities:

- 1) The college has a prime location and is easily accessible by road and rail
- 2) Being located in close proximity to the offices of the concerned public authorities, helps in the smooth functioning of the day to day administration
- 3) The Placement Cell facilitates on campus recruitment of students
- 4) The college library has a collection of rare books

Challenges:

- 1) Measures have to be adopted to improve the dwindling number of students in the arts and science streams
- 2) Our students are mainly from vernacular background and with English being a medium of instruction efforts are made to improve their communication skills
- 3) In the present era students are likely to fall prey to various vices and the college authorities take precautionary measures to avert the same



PROFILE OF THE COLLEGE



**BHARATIYA VIDYA BHAVAN
MANAGEMENT HEAD OFFICE**



THE COLLEGE BUILDINGS



THE TEACHING STAFF OF THE COLLEGE



THE NON-TEACHING STAFF OF THE COLLEGE



SECTION B: PREPARATION OF SELF-STUDY REPORT

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	Bharatiya Vidya Bhavan's Hazarimal Somani College of Arts & Science & Jayaramdas Patel College of Commerce & Management Studies		
Address :	Kulapati K. M. Munshi Marg, Chowpatty		
City : Mumbai	Pin : 400007	State : Maharashtra	
Website :	www.chowpattybhavans.com		

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Mrs. Medha J. Gupte	O:022-23691136 022-23691508 R:022-26492414	9819128148	022-23675108	guptemj@rediffmail.com
Vice Principal	Dr. Veena H. Joshi Dr. S. V. Rathod	O:022-23691508 R: 022-23635103 O:022-23691508 R: --	9833075188 9892992024	022-23675108 022-23675108	v_joshi1966@yahoo.com shrees.rathod@gmail.com
Steering Committee Co-ordinator	Dr. Mrs. Medha J. Gupte	O:022-23691136 R :022-26924144	9819128148	022-23675108	guptemj@rediffmail.com

3. Status of the Institution :

- Affiliated College
- Constituent College
- Any other (specify)

4. Type of Institution :

a. By Gender

- i. For Men
- ii. For Women
- iii. Co-education

b. By Shift

- i. Regular
- ii. Day
- iii. Evening



5. It is a recognized minority institution?

- Yes
 No

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

6. Sources of funding:

- Government Grant-in-aid
 Self-financing
 Any other

7. a. Date of establishment of the college: 01/06/1965 (dd/mm/yyyy)

b. University to which the college is affiliated /or which governs the college (If it is a constituent college) University of Mumbai

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	3/11/1965	F 33-9 / 65(CDN)PtIV
ii. 12 (B)		

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.) N.A.

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.				
ii.				
iii.				
iv.				

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

- Yes No



If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition: (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency and

Date of recognition: (dd/mm/yyyy)

10. Location of the campus and area in sq. mts:

Location *	URBAN
Campus area in sq. mts.	3712.44 Sq.mts
Built up area in sq. mts.	8929.31 Sq.mts

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities
- Sports facilities
 - * play ground ×
 - * swimming pool ×
 - * gymnasium ×
 - * Hostel ×
 - * Boys' Hostel
 - i. Number of hostels
 - ii. Number of inmates
 - iii. Facilities (mention available facilities)
 - * Girls' hostel
 - i. Number of hostels



- ii. Number of inmates
 iii. Facilities (mention available facilities)
 * Working women's hostel
 i. Number of inmates
 ii. Facilities (mention available facilities)
- Residential facilities for teaching and non-teaching staff (give numbers available-cadre wise) – In Bhartiya Vidya Bhavan's Andheri Campus-01

Cafeteria Health centre –

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

Health centre staff –

Qualified doctor Full time Part-time

Qualified Nurse Full time Part-time

Facilities like banking, post office, book shops Transport facilities to cater to the needs of students and staff Animal house Biological waste disposal Solid waste management facility Waste water management Water harvesting Generator or other facility for management/regulation of electricity and voltage

12. Details of programmes offered by the college (Give data for current academic year)

Sl. No.	Programme Level	Name of the Programme/Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
01	Under-Graduate	B. A.	03	HSC or Equivalent	English	200	77
		B.Sc.				200	69
		B. Com				330	330
		B.A.F.				60	60
		B.M.S.				60	59
02	Post-Graduate	M. Com	02	B.Com	English	60	29
		M.Sc		B.Sc.		10	08
		M.Sc (Research)		04		--	
03	Ph.D.	Ph.D.	--	M.Sc.	English	04	03



13. Does the college offer self-financed Programmes?

Yes No

If yes, how many ?

14. New programmes introduced in the college during the last five years if any?

Yes No Number

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Particulars	UG	PG	Research
Arts UG-09 PG-00 Research-00	English Marathi Sociology Economics Political Science Psychology History Philosophy Sanskrit Hindi	---	---
Science UG-05 PG-02 Research-01	Botany Zoology Chemistry Physics Mathematics	Chemistry Zoology	Chemistry
Commerce UG-03 PG-01 Research-00	Commerce Accountancy Economics	Management Studies	---

16. Number of Programmes offered under (Programme means a degree course like BA, Bsc, MA, M.Com...)

a. Annual System ---
b. Semester System 07
c. Trimester System ---



17. Number of Programmes with

- | | |
|--|-------|
| a. Choice Based Credit System | 07 |
| b. Inter/Multidisciplinary Approach | Nil |
| c. Any other (specify and provide details) | Ph.D. |

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

If yes,

- Year of Introduction of the programme(s) (dd/mm/yyyy)
and number of batches that completed the programme
- NCTE recognition details (if applicable)
Notification No.:
Date: (dd/mm/yyyy)
Validity:.....
- Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

- Year of Introduction of the programme(s)..... (dd/mm/yyyy)
and number of batches that completed the programme
- NCTE recognition details (if applicable)
Notification No.:
Date: (dd/mm/yyyy)
Validity:.....
- Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes No



20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government <i>Recruited</i>	--	--	03	07	09	10	21	12	32	01
<i>Yet to recruit</i>	--	--	--	--	11	--	07	--	--	08
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>										
	Aided (Temp)				09	13	04	--	02	--
	Unaided				03	12				
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	-	-	02	05	03	02	-
M.Phil.	-	-	01	01	03	02	-
PG	-	-	-	01	03	06	-
Temporary teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	9	16	-
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

22. Number of Visiting Faculty /Guest Faculty engaged with the College. 12

23. Furnish the number of the students admitted to the college during the last four academic years.



Categories	Year 1 2010-2011		Year 2 2011-2012		Year 3 2012-2013		Year 4 2013-2014	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	95	105	118	106	110	94	98	106
ST	01	01	04	02	00	01	02	00
OBC	158	128	162	122	125	78	142	127
General	566	504	548	454	588	484	512	426
Others	50	46	49	44	59	49	50	54

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1532	39	--	03	1574
Students from other states of India	07	03	--	--	10
NRI students					--
Foreign students					--
Total					1584

25. Dropout rate in UG and PG (average of the last two batches)

UG Less than 5%

PG Less than 10%

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component Rs.73,343

(b) excluding the salary component Rs.4171

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes No



28. Provide Teacher-student ratio for each of the programme/course offered

Prog/Course	B.A.	B.Sc.	B.Com	B.M.S	B.A.F	M.Com	M.Sc.
Teacher Student Ratio	14:148	21:140	15:901	10:171	9:172	5:29	6:11

29. Is the college applying for

Accreditation : Cycle 1 Cycle 2 Cycle 3 Cycle 4

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: Feb 2004 (dd/mm/yyyy) Accreditation Outcome/Result B.

Cycle 2: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result.....

*** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**

31. Number of working days during the last academic year.

240

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

180

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC ...15/03/2005... (dd/mm/yyyy)

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i) (2010-2011) 19/04/2012

AQAR (ii) (2011-2012) 10/08/2014

AQAR(iii) (2012-2013) 10/08/2014

AQAR (iv) (2013-2014) 10/08/2014

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)



CRITERION I

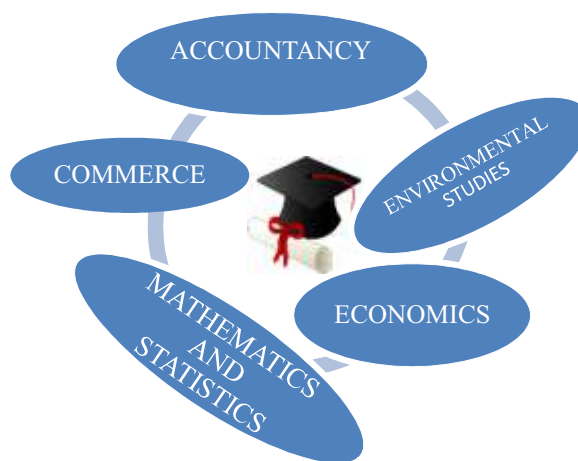
CURRICULAR ASPECTS

AIDED SECTION

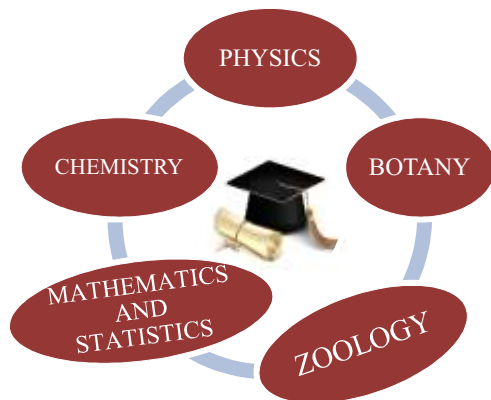
ARTS



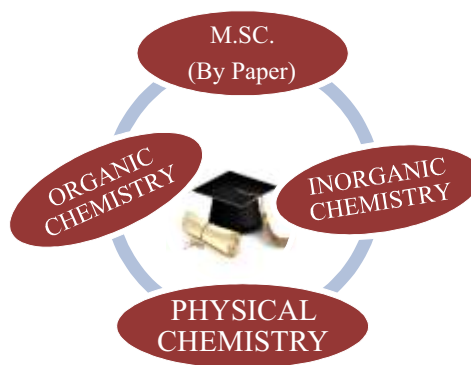
COMMERCE



SCIENCE (U.G.)



SCIENCE (P.G.)



UN-AIDED SECTION





RAR Part - I

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and state how these are communicated to the students, teachers, and other stakeholders

Bhavan's Hazarimal Somani College of Arts & Science and Shri Jayaramdas Patel College of Commerce & Management Studies, falls under the umbrella of the prestigious Bharatiya Vidya Bhavan, an internationally acclaimed institution, having its spread both within the country and outside, and therefore reminisces with pride on the teachings and principles of its Founder President Kulapati Dr. K.M Munshi.

To quote Munshiji “The value of education lies in cultivating all the faculties of the student and making him fit for the eventualities and relations of life. Unfortunately the Universities lay down the content of our education. We cannot change it by voluntary effort. We can only change its method, spirit and goal”

VISION:

True knowledge demands an alert curiosity. Our vision is to help students to be educable rather than educated. We should have a well-integrated personality which can learn and adapt itself to ever changing environment.

As the scriptures rightly say:

'Where there is no vision, the people shall perish'

VASUDHAVA KUTUMBAKAM

‘The World is one Family’

Our motto is:

Aa No Bhadraah kratavo yantu vishwatah

“ Let Noble Thoughts Prevail ”

The Mission Statement of the College is:

“AMRUTAM TU VIDYA” - “ KNOWLEDGE IS NECTAR ”

This appears on the Emblem at the entrance, as well as in all our college documents.



The goals and objectives emphasize the building of an all- round personality of the student. This will carry him from the cradle to the grave. It will provide him with the fundamentals of education; build a strong foundation with ethical, cultural, spiritual & literary values. Thus he will be educated and trained so as to survive in the world with its rapidly changing technology.

At the entry level, in the Principal's Address, the students and their parents are given a full background of Munshiji's teachings, as also the goals and objectives of the institution. A series of cultural events are organized throughout the year and at every event, be it intra- college, inter- college, state level, national level or international level, the Bhavan's Prayers, encompassing the objectives, are recited before the commencement of the function.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s)

Our college is affiliated to the University of Mumbai and as such cannot design the curriculum. But every effort is made to implement the same to the fullest. With the introduction of the Credit Based Semester Grading System, by the University, the curriculum is methodically followed by the college, with two internal tests and two Semester end examinations.

The entire process is monitored by the examination committee composing senior teaching staff members. Regular meetings are held by the Principal with the Heads of different departments, to monitor the completion of curriculum.

In addition, at the commencement of each academic year a comprehensive teaching plan is prepared at the departmental meetings, - taking into account the areas of specialization of the staff. The more difficult topics are assigned to the more experienced faculty. Each individual teacher then prepares his/her own framework of teaching.

Certain departments also arrange lectures and seminars related to the curriculum. For example the Department of Commerce arranges an advertisement making competition every year. Being related to the prescribed syllabi, it provides the students an opportunity to study the course in a creative way, while simultaneously providing scope for the development of their innate talents.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/ or institution) for effectively translating the curriculum and improving teaching practices?

Several workshops/seminars are arranged by the university and affiliated colleges on teaching methods and pedagogy to improve teaching practices. The college encourages teachers to go for workshops, orientation programs, refresher courses, seminars and conferences with the objective of updating and upgrading their information, and duty leave is granted for the same.

In addition our college has also to date organized two international and one national level seminar on the theme of higher education.

1.1.4 Specify the initiative taken up or contributions of the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating university or statutory agency

Teachers have been availing of information and technology techniques for delivery of lectures. This could include power point presentations, OHP & Slide Projectors and use of educational sites. The college offers employment oriented subjects such as Computer



Systems and Application as an applied component at the TYBCom level, Computer Programming at the TYBsc level and Computer Applications at the TYBA level. All these students use Power Point Presentations and OHP while presenting their projects.

The location of the Gandhi Institute of Computer Technology on the ground floor of the college new building is a big asset. Free computer education is provided and several members of the staff both teaching and non-teaching, are making use of this facility to make themselves computer savvy.

Industrial visits, site visits, field trips and excursions have always formed an integral part of several undergraduate curricula. Students are required to make a Report on their return, so as to understand the extent of assimilation of knowledge through such trips.

Another achievement worth mentioning is the development of the College Website in February 2012 by a group of energetic and innovative students. Making of the website was a project topic assigned to the students and this project finally culminated in the launching of the college website.

Many staff members are members of academic libraries like British Council, USIS, from where relevant printed and audio material is acquired and used during lecture sessions.

- 1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum.

The University organizes a number of meetings and workshops to discuss the curriculum for the academic year. While the meetings addressed by the Vice Chancellors are attended by the Principals/ Vice Principals, the Professors attend the Workshops in their respective subjects.

In fact the Department of Chemistry of our college had organized a Workshop on TYBsc Syllabus in collaboration with the Board of Studies (Chemistry), in March 2013. Several Professors from colleges all over Mumbai participated in the same.

- 1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/ departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided specific suggestions etc.

The Board of Studies in Sociology appoints teachers, of colleges affiliated to the University of Mumbai, as members of the Syllabi Revision Committee. Prof (Mrs.) Manjusha Patwardhan of our college was accordingly appointed as member of the Syllabi Committee for Sociology Paper II at the SYBA Level for the academic year 2012-13 and for TYBA Papers V & VI for the year 2013-14. In addition several of our teachers, particularly from the Arts and Commerce faculties are University Paper Setters.

The college regularly conducts teacher feedback. A questionnaire is prepared and students from all faculties are asked to come to the computer lab and fill the requisite questionnaire online, as per the norms laid down. Teachers with weak feedback are called by the Principal and strictly warned to improve their performance in the interest of the students in particular and the college in general.

- 1.1.7 Does the institution develop any curriculum for any of the course offered (other than those under the purview of the affiliating university) by it? If 'yes' give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed. No



1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Students are provided with detailed information about the pattern of evaluation and the examination schedules, by each teacher at the beginning of every academic year. Any additional information received from time to time in the form of circulars, is made available to the staff and students, by displaying the same on the staff notice board and general notice board and is also circulated in the class rooms.

Teachers are given sufficient notice of the commencement of all examinations – internal, semester end and University, so that they can complete the portion well in advance keeping in mind the requisite time period as laid down in the statutes.

Elocution competitions, poster competitions, music and drama at the intra- college and inter-college levels are regularly organized as detailed below:

- a) Students participated at the International Conference on “Symbiosis between Academia and Corporate World – A Step Forward” held in November 2012, inaugurated by eminent scientist Dr. Anil Kakodkar and were given certificates of participation for the same.
- b) An Anti-smoking Week was launched in December 2012. This included
 - i) A Poster Competition by students;
 - ii) A street play enacted by students of our college highlighting the evils of smoking;
 - iii) A Mock Parliament was conducted. This coincided with the winter session of the Maharashtra assembly in Nagpur. Students dressed as 'Netas' argued vehemently on an apt topic of passing of No- Smoking law in the vicinity of educational institutions and truly enthralled the audience with their oratory skills.
 - iv) An Anti-Smoking Rally, where about 2000 students from colleges in South Mumbai participated, was organized. The same, which commenced from our college, passed through five different colleges before culminating in our college. The impact of the Rally was such that shops selling tobacco in the vicinity downed their shutters during the course of the Rally.
Certificates of Participation were given to all the Participants
- c) An UGC Sponsored National Seminar on “Higher Education – A Directional Impetus” was organized by the college in September 2013. Renowned Cardiologist and Educationist Dr. B.M Hegde inaugurated the Seminar. On this occasion an inter-collegiate Poster Competition was organized on themes such as Examination System, Brain Drain Reversal, Quality of Indian education and Employability of educated Indian Youth. The winners were given prizes and all the Participants received Certificates from Shri D.P Sawant, Hon Minister of State for Higher & Technical Education, Government of Maharashtra, who was the Chief Guest at the valedictory function.
- d) An UGC Sponsored National Seminar “CANTAA 2013” was organized by the Departments of Zoology and Botany, where students from all over the country participated
- e) The Department of Chemistry regularly organizes “Chemcaster” – a Seminar for the students and Certificates are accordingly distributed.



- f) The Departments of Botany and Zoology and the Department of Physics regularly organize Programs “Biozac” and “Quantaziks” respectively. Students are encouraged to not only make Posters/Models but also explain the same to all the visitors including teachers and students.

What is heartening to note is that several school children from the nearby vicinity visit the exhibitions.

- g) 'Kalashree' an intra-college Cultural Program is organized every year along with the Customary College Day Program. The college prides itself in having a talented group of students and organization of programs of this nature helps in developing and enhancing the talents of these students and laying a platform for their future careers. Individual/Team Certificates are given for all these events.

1.2.2 Does the institution offer Programs that facilitate twinning/dual degree? If 'yes' give details No

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- ◆ Range of Core/ Elective Options offered by the University and those opted by the college.
- ◆ Choice Based Credit System and range of subject options
- ◆ Courses offered in modular form
- ◆ Credit transfer and accumulation facility
- ◆ Lateral and vertical mobility within and across programs and courses

Enrichment Courses

The following courses are offered by the college

Undergraduate Aided Courses	Subject
1. B.A	English (3)
2. B.A	Economics (6/3)
3. B.A	History (3)
4. B.A	Philosophy (3)
5. B.A	Sociology (3)
6. B.A	Marathi (3)
7. B.A	Sanskrit (3)
8. B.A	Political Science (3)
9. B.A	Psychology (3)
10. B.Sc.	Physics (6/3)
11. B.Sc.	Chemistry (6/3)
12. B.Sc.	Botany (3)
13. B.Sc.	Zoology (3)
14. B.Sc.	Mathematics (3)
15. B.Com.	Accountancy

TOTAL: 15.

**Post Graduate**

- | | | |
|---|-------|-------------------------|
| 1 | M.Sc. | Chemistry (by Papers) |
| 2 | M.Sc. | Chemistry (by Research) |
| 3 | M.Sc. | Zoology (by Research) |

TOTAL: 03.**DOCTORAL**

- | | |
|-------|-----------|
| Ph.D. | Chemistry |
|-------|-----------|

TOTAL: 01**Self –Financing Courses**

- 1 B.M.S.
- 2 B.com. (Accounting & Finance)
- 3 M.com. (Management)

TOTAL: 03

As regards horizontal mobility while commerce students can migrate to the Arts stream, the reverse does not hold true. As for science students migration is possible to both Arts & Commerce faculties.

B.M.S, students are drawn from all three streams that is Arts, Science and Commerce faculties, on the basis of merit and respective quotas allotted.

The college offers the following elective options

At the FYBA level apart from three compulsory Papers namely: Foundation Course, Communication Skills and a language, students can select any one of the three groups, each comprising three subjects.

At the SYBA level, students can choose any one of the following Applied Components:

- 1) Business Communication
- 2) Book Keeping
- 3) Mass Communication and continue with three elective options

As regards TYBA all Papers in the subject selected are compulsory, essentially because of the prescribed minimum requirement norm.

At the FYB.Sc. Level while Foundation Course is compulsory, students have to select one of the two groups of subjects.

As regards the SYB.Sc. Level, students can choose two subjects from the group selected at the FYB.Sc. level.

At the TYBsc. level students can either offer two units each of their SYB.Sc subjects, or four units of any one of the SYB.Sc.subjects. In addition they have an Applied Component namely Computer Programming and System Analysis for the Physics/Maths combination and Drugs & Dyes for Chemistry/ Botany/ Zoology combination.

All subjects are compulsory for FYBcom students. At the SYBcom. level the elective options for Commerce Faculty students are

- 1) Advertising; &
- 2) Mass Communication

The TYBCom students apart from the compulsory subjects, can offer

- 1) Direct and Indirect Taxes & Export Marketing;
- 2) Direct and Indirect Taxes and Computer Systems & Applications; &
- 3) Direct and Indirect Taxes & Banking Law & Practice



For BMS students the elective options are Retail Management or Investment Analysis and Portfolio Management or E-Commerce. This is in addition to the compulsory subjects.

The subjects are compulsory for Bcom.(Accounting & Finance) & Mcom(Management).

1.2.4 Does the institution offer self-financed programs? If 'yes' list them and indicate how they differ from other programs, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes the College offers three self-financing courses

- BMS.
- Bcom (Accounting & Finance) &
- Mcom (Management)

Like the Aided Programs, the basic qualification for seeking admission is passing of XII standard examination of Maharashtra State Board of Higher Secondary Education or its equivalent examination. However, the difference is that, in case of BMS, Diploma in any Engineering branches with 2/3/4 years' duration after SSC, conducted by the Board of Technical Education Maharashtra State or equivalent examination is considered valid for admission. In addition unlike the Aided section, there is a minimum marks criterion for gaining entry, viz 45% for open and 40% in case of reserved category students.

In case of Bcom (Accounting & Finance) the minimum qualification remains XII Pass from a recognized Board and having secured 45% marks in case of open category students and 40% in case of reserve category students.

For both BMS and BCOM (A&F), it is mandatory that they clear the qualifying examination at the first attempt, to become eligible for seeking admission.

A candidate to be considered eligible for Mcom admission, has to be a Bcom from University of Mumbai or any other recognized University or have a B.M.M degree or passed examination of any other university recognized as equivalent at the time of admission. There is again a lot of difference in the fee structure.

TABLE 1

The fees for the Aided and Unaided Courses are as follows:

Aided Courses FEES (Rs.) (Per annum)

CLASS	Open Category	Reserved Category
F.Y.B.A.	5331	461
S.Y.B.A.	4911	461
T.Y.B.A.	2811	461
F.Y.B.COM.	5431	461
S.Y.B.COM.	4711	461
T.Y.B.COM.	3511	461
F.Y.B.Sc.	6631	461
S.Y.B.Sc.	5611	461
T.Y.B.Sc.	3611	461
M.Sc. I	9636	486
M.Sc. II	9836	486
Un-aided Courses		
F.Y.B.M.S. (Open Category)	17701	461
S.Y.B.M.S. (Open Category)	16581	461



T.Y.B.M.S. (Open Category)	15711	461
F.Y.B.COM. (A&F) (Open)	18051	461
S.Y.B.COM. (A&F) (Open Category)	17031	461
T.Y.B.COM. (A&F) (Open Category)	16011	461
M.COM. I	10111	1361
M.COM. II	8836	486
M.Sc. I (by Research)	19495	
M.Sc. II & III	17420	
Ph.D. Ist Year	21995	
Ph.D. II/III Year	19920	

In addition though the Aided Section is more text-book oriented, the self-financing subjects emphasize Project completion. However, with the adoption of Credit based Semester Grading system, the Aided section has also begun to give importance to projects/ assignments.

- 1.2.5 Does the college provide additional skill-oriented programs, relevant to regional and global employment markets? If 'yes' provide details of such programs and its beneficiaries - No
The existence of the Gandhi Institute of Computer Technology in the college premises provides the staff and Students with an opportunity to hone their computer skills. Besides the existence of the college Placement Cell, enables on campus recruitment. Several of our students have benefitted from the same.
- 1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice". If 'yes', how does the institution take advantage of such provision for the benefit of students? - No

1.3 Curriculum Enrichment

- 1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programs and the institutions goals and objectives are integrated?

The Bhavan attempts to revitalize Dharma or the Moral Law in its three-fold form of

SATYAM

(i.e. is truth)

SHIVAM

(i.e. purity)

SUNDARAM

(i.e. beauty)

The Bhavan is ceaselessly striving to carry forward India's ageless message of Faith, Self-Discipline and Dedication.

SHRADDHA

SAMYANA

which have been repeatedly underscored in all its educational and cultural activities; yet simultaneously it has been observed, that change is in keeping with the changing laws of life it has been successful in achieving a happy synthesis between the ancient cultural values and present

day scientific values.

Our students are encouraged to add values to both knowledge as well as skills through curricular aspects in the following ways:

- 1) Additional reading material on related topics extending far beyond the recommended text books;
- 2) Regular conduct of study tours, industrial visits, excursions, educational visits to learning centers like Nehru Planetarium, Homi Bhabha Center, Stock exchange, Reserve Bank of India, Jijamata Udyan, Dairies etc.
- 3) There are various associations in the college and different co-curricular activities are arranged by



them to enhance the knowledge and skills of students;

- 4) Newspaper cuttings and relevant materials are displayed on the notice boards.
- 5) Competitions related to the topics are organized
- 6) The Students' Council forms a very important part of our institution. Members of the Council who largely are Academic scholars plan different events like Peace Day, Environment Day, Traditional Day, thereby trying to spread cultural values among the students.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

As mentioned earlier our college has a number of job oriented courses at the Third year Arts/ Science/ Commerce/ BMS/ Bcom (A&F)

In addition the College has a Placement Cell. Several reputed/ Companies/ Institutions Chartered Accountants come forth with Placement opportunities and our Program officer accordingly does the needful. Secondly, we also have Counseling and Guidance Center, Prof Rina Dhonde looks after the center.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education

The college believes in Gender Equality. Apart from maintaining women reservation quota at the time of admission, the college takes pride in the fact that ladies dominate the helm of affairs. The current I/c Principal/ Vice Principal Degree College and Vice Principal and Supervisors of Junior College are all ladies.

The college premise is surrounded by a compound wall. A number of plants are maintained in the space between the outer wall of the chemistry department and the college compound wall. In addition the college has a botanical garden on the fourth floor terrace of the old building where a number of medicinal and general plants are displayed.

Through the NSS and in coordination with Mumbai Police and NGOs, the college, has organized several programs related to environment. In fact our NSS students have been carrying out the project of making eco - friendly Ganapati during the Ganesh Chaturthi festival falling in the month of August/September every year.

A big stride in this direction has been the UGC Sponsored National Level Seminar "CANTAA 2013" on environmental sciences. The Eminent Guest Speakers enlightened the large audience on topics of aero-allergens and allergy. The Seminar covered various issues such as impact of air-borne allergies, pollen, spores, bio-pollutants, contamination of agricultural produce etc. In short, emphasis was laid on the importance of maintaining a clean environment and the harmful consequences of pollution.

An Anti-smoking week was organized in December 2012 with the sole purpose of highlighting the ill-effects of smoking and the harmful consequences on the environment. Due to paucity of space the college does not have a campus. The college premises are kept pollution free by generating awareness among the students. As the area in front of the college main entrance is a road, it cannot be permanently closed by means of a masonry wall. To circumvent this problem, a mobile barrier of wrought iron gates is maintained and outside vehicles are not permitted near the college entrance. Students are encouraged to keep the premises clean so as to inculcate healthy practices among them.

Another heartening factor has been that apart from the compulsory paper of Foundation Course, at the First year and Second Year (Aided Section), the University of Mumbai has



introduced a compulsory Paper on Environmental Sciences for the FYBcom. students, thereby creating a general awareness of a clean and pollution free environment.

The college has a well-equipped Computer Laboratory on the first floor of the college main building. The Computer lab provides free internet access to students and staff. The Principal's office, the Vice Principal's office, the Science Departments, the administrative office and the library have computer facility.

Internet access, apart from the central computing in the lab, is given to the Principal's office, Vice Principal's office, administrative office and library. Students and staff can make free use of the internet facility.

An important step has been the online conduct of internal examinations (Semester II, IV and VI) for unaided courses in March 2014. The success of this endeavor resulted in the decision of the college authorities to extend this facility to the Aided Section. However, in view of the guidelines from the Board of Studies of various subjects barring the same, it could not be implemented.

1.3.4 What are the various value added courses/enrichment programs offered to ensure holistic development of students?

◆ Moral and ethical values

Falling as it does under the auspices of Bharatiya Vidya Bhavan and based on the principles of Munshiji, the college makes the utmost effort to inculcate the moral and ethical values at the point of entry which is further fostered in the coming years.

We have been successfully reminding the youth of the significance of human values- Truth, Righteous Conduct, Peace, Love and Non-Violence in their daily lives.

In addition Ethics forms a part of the Syllabus of students opting for the subject of Philosophy in the Arts faculty and for Semester V of third year BMS.

◆ Employable and life skills

Education is a creative art and amalgamation of knowledge and skills. It must develop the best in the student. The proportion of knowledge and skill depends on the stream of education and changes from year to year.

Under the new credit system the proportion of knowledge and skills is 75:25 for all the classes (both aided and unaided).

The science stream has separate head of passing for Practical and for Theory. The ratio of knowledge varies from class to class. The ratio of theory to practical is 2:1 at the first year level, 3: 1 at the second year level and 4:2 at the third year level.

In fact the college also has introduced job oriented subjects at the third year level in all faculties. This helps improve their employability potential.

◆ Better Career Options

Our institution regularly organizes Seminars/ talks where experts from different fields come and address the students. Representatives from NIIT, Career Avenue, Institute of Financial Planning, Banks and from other reputed firms regularly visit our college to deliver lectures and distribute relevant pamphlets.

In addition the College has a Placement Cell

◆ Community Orientation

Bhavan's Somani College has a strong NSS unit. The objective of NSS is development of personality of students through community service. The motto of the



NSS is 'Not me but you', which emphasizes the understanding of the needs of the community in which they work. This is inclusive of:

- ✓ Development among themselves a sense of social and civic responsibility
- ✓ Application of their knowledge to finding practical solutions to both individual and community problems
- ✓ Development of competence, requiring group-living and sharing responsibilities
- ✓ Gaining skills in mobilizing community participation
- ✓ Acquisition of Leadership Qualities and Democratic Attitudes
- ✓ Development of capacities for meeting emergencies and disasters
- ✓ Practice of National Integration.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum? NA

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programs? An annual Report is prepared by the college and our achievements are highlighted. The members of the Principal's Office go through the same and while trying to strengthen our achievements chalk out a plan for countering our weaknesses so that we do not repeat the same mistakes in the future.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The college by itself cannot design the curriculum but some of the Senior Staff members of the Institute have been members of academic bodies of the University of Mumbai. These bodies are entrusted with the task of preparing the Curriculum.

1.4.2 Is there a formal mechanism to obtain feedback from students and 'stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programs? No

1.4.3 How many new programs/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programs?
M.Sc. & PhD by Research in Chemistry and M.Sc. in Zoology.

Any other relevant information regarding the curricular aspects which the college would like to include

- 1) In addition to day to day advances in the concerned fields, students and staff are encouraged to enhance value to their basic education, knowledge and skills by participating in tours, seminars, workshops and attending special lectures by guest speakers arranged for their benefit.
- 2) In November 2013, our team of girl students studying in SYBMS class, were specially invited by the State Bank of India for the inauguration of the first Mahila Bank in the august presence of the then Prime Minister Dr. Manmohan Singh, Finance Minister Mr. P Chidambaram and Agriculture Minister Mr. Sharad Pawar.
- 3) **Students of SYBMS (2011-12 batch) were given a Project on Website Making and their innovative efforts made feasible the launching of the college Website in February 2012.**
- 4) Our BMS students have gone on industrial visits to Reliance Power Plant, Arvind Mills, Amul Park, Nitco tiles, Onida factory etc.



The students of Botany/ Zoology were taken on study tour to Ooty, Mysore, Konkan belt, Kanyakumari, Rameshwar, Madurai, Mahabaleshwar, Sassoon Docks, Karnala bird sanctuary, Borivali National Park, Ferry's Wharf, Dehradun, Mussoorie etc

The students of Chemistry went on an industrial visit to Advance Centre for Treatment Research and Education on Cancer, Mahesh Textile Industry, Chemotest lab etc.

Bcom Students of the college visited RBI (Monetary Museum), Sundaram Multipap Ltd, Sports Syndicate, Mahananda Dairy, Aarey Dairy etc.

Physics students visit Nehru Planetarium regularly while the students offering Sanskrit and Marathi visited Kanheri Caves

- 5) While the Photocopying machine is located on the Ground floor of the college main building, thereby making it convenient to them to get photocopies at concessional rates, students and staff have access to free internet during the working hours of the college.
- 6) The college has two Research Laboratories -1) MSc/PhD in Chemistry on the ground floor of the college main building and 2) MSc in Zoology on the third floor adjoining the Biology Department.
- 7) The location of Gandhi Institute of Information Technology in the college premises provides enough opportunities to staff and students to obtain computer awareness.



CRITERION II

TEACHING – LEARNING AND EVALUATION



FELICITATION OF OUR STUDENT, MR. DHAVNISH SHUKLA, BY THE VICE-CHANCELLOR, ON SECURING 6TH RANK AT THE T.Y.B.COM. UNIVERSITY EXAMINATION IN MARCH 2013.



POSTERS PREPARED BY THE STUDENTS COMPETING IN A POSTER COMPETITION ON THE SUBJECT OF HIGHER EDUCATION.



THE H.O.D. OF ACCOUNTANCY - SMT. P.A. MERCHANT CONDUCTING A LECTURE USING A POWERPOINT PRESENTATION.



OUR STUDENTS ARE AN EPITOME OF CONCENTRATION DURING THEIR PRACTICAL SESSION IN THE CHEMISTRY LABORATORY .



CRITERION II: TEACHING – LEARNING AND EVALUATION

In the words of Munshiji:

“Bharatiya Shiksha must stimulate the students power of expression, both written and oral at every stage in accordance with the highest ideas as attained by the Literary matter in the intellectual and moral shapers”

2.1 Student Enrollment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

Bharatiya Vidya Bhavan's H. Somani College believes, in the fact, that seeking higher education is a right of every student, and accordingly complete publicity and transparency is maintained while granting admission. The admission procedure is highlighted in the College Prospectus, which is distributed along with the admission forms, while seeking admission.

Being a Grants in Aid College, we strictly follow the procedures and guidelines issued by the University of Mumbai and the Government of Maharashtra. At the First year BA/BCOM/BSC/BMS/BCOM (ACCOUNTING & FINANCE), the Merit Lists of the students (barring 15% of the total which come under Management Quota) are displayed at the main entrance, on the General Notice Board and in the college website.

For selecting students in the Management Quota a meeting of Representatives of the Management is held, where the Principal is also present. Preference is given to close relatives of staff and students from humble background.

At the Second and Third year levels the college students who have passed are promoted and if a few seats remain, they are filled from outside on the basis of merit.

2.1.2 Explain in detail the criteria adopted and process of admission (ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (III) combination of merit and entrance test or merit, entrance test and interview (IV) any other) to programs of the institution.

The criterion at the time of admission is merit. The process of admission to both the aided and unaided sections is purely based on the directives received from the Government of Maharashtra and University of Mumbai. After the declaration of the HSC Results, a circular is received from the University giving the detailed Program Schedule, and the college diligently follows the same. In case of aided section, in-house students are given direct admissions and from the remaining seats the respective merit lists are displayed along with the fee schedule. The minimum qualification is clearing the Higher Secondary Examinations.

Since the academic year 2013-14 the University has made online registration mandatory. After obtaining the print out of the Preadmission online forms, students collect the admission forms from the college office and submit the duly filled forms along with the relevant documents as per the given schedule.

In case of admission to the self-financing courses, the minimum qualification remains the same that is passing of XII standard examination of Maharashtra State Board of Higher Secondary Education or its equivalent examination. However, the difference is that, in case of BMS, Diploma in any Engineering branches of 2/3/4 years' duration after SSC, conducted by the Board of Technical Education Maharashtra State; or equivalent



examination, is also considered valid for admission. In addition, unlike the Aided section, there is a minimum marks criteria for gaining entry to the Unaided section, viz 45% for open and 40% in case of reserved category.

For both BMS and BCOM (A&F), it is mandatory that they clear the qualifying examination at the first attempt, to become eligible for seeking admission.

A candidate to be considered eligible for Mcom admission, has to be a Bcom from University of Mumbai or any other recognized University, or possess a B.M.M degree or an examination of any other university recognized as equivalent at the time of admission.

Admission to MSc classes is given on the basis of academic performance and personal interviews conducted by the concerned departments.

As regards PhD admissions, rules laid down by the University are followed.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for

Course	2009-10				2010-11				2011-12				2012-13				2013-14			
	Our College		Other College		Our College		Other College		Our College		Other College		Our College		Other College		Our College		Other College	
	MI N	MA X	MI N	MA X	MIN	MA X	MIN	MA X	MI N	MA X	MI N	MA X	MI N	MA X	MI N	MA X	MI N	MA X	MI N	MA X
F.Y.B.A.					52.8 3	73 .5 0	70		51	74			44. 5	74. 00			53	75		
F.Y.B.Sc.					53	48			52	79			52. 5	79. 8			52	79		
F.Y.B.Com					65	80 .8 3	-	86 %	65. 17	81. 17	-	88 %	52. 5	79. 83	-	83 %		82. 31	-	84%
F.Y.B.M.S.					69.3 3	80 .8 3	-	88 %	70. 67	80. 05	-	93 %	66. 83	81	-	90 %	68	82	-	93%
F.Y.B.A.F.					58.6 7	81 .8 3	-	86 %	61. 00	74. 71	-	86 %	45	83	-	89 %	47. 85	84. 62	-	73%
M.Sc.																				
M.Com.																				

each of the programs offered by the college and provide a comparison with other college and provide a comparison with other colleges of the affiliating university within the city/district.

The information is given in the table below

TABLE 2

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

After the process of admission and preparation of merit lists, as per the orders, is completed the main Admission Committee comprising the Principal, Vice Principals, two senior staff members and the College Registrar meet to take stock of the situation and make a comparative study of the current merit list vis a vis the earlier ones, study the trend and work out a scheme of action.

The process has made the teachers more conscientious and has improved the overall results of the college, particularly in the Commerce and in the unaided streams.

2.1.5 Reflecting on the strategies adopted to increase/improve access the following categories of students, enumerate on how the admission policy of the institution and its students profiles demonstrate/ reflect the National commitment to diversity and inclusion

- SC/ST
- OBC
- Women



TABLE 3.3
BMS.

TOTAL SEATS AVAILABLE: - 60

QUOTA CATEGORY WISE	CATEGORY PERCENTAGE	NUMBER STREAM	OF WISE	SEATS	
		COMMERCE	ARTS	SCIENCE	DIPLOMA IN ENGINEERING
SCHEDULED CASTE	13%	04	02	02	
SCHEDULE TRIBE	7%	02	01	01	
VJ/DT (A)	3%	01	01	01	
N.T. (B)	2.5%	01	01	01	
N.T. (C)	3.5%	01	01	01	
N.T. (D)	2%	01	01	01	
OBC	19%	05	03	03	
SPECIAL BC	2%	01	01	01	
SPECIAL CATEGORY	3%	01	01	01	
PHYSICALLY HANDICAPPED	3%	01	01	01	
OPEN	42%	10	02	02	02

The college is located in a middle income area, patronized by students of middle and lower income groups. The institution provides the following types of scholarships:

- 1) Government Scholarship for economically backward classes;
- 2) B.C. Scholarship and B.C. Fellowship;
- 3) Fee Concessions given to Ex-serviceman's children
- 4) An NGO, Bharatiya Stree Seva Sangh, has been regularly providing scholarships to five needy children from lower income groups.
- 5) Our library has Book Bank facility

2.1.6 Provide the following details for various programs offered by the institution during the last four years and comment on the trends, i.e. is reasons for increase/decrease and actions initiated for improvement.



- Differently abled
- Economically weaker sections
- Minority community
- Any other

Ours is an aided college, permanently affiliated to the University of Mumbai and strictly follows the reservation quota as directed by both the state government and the University. The table below gives the detailed reservation of seats.

TABLE 3.1

AIDED SECTION

This an example of allocation of seats for FYBCOM students. The same principle is followed for FYBA/BSc.

COMMERCE TOTAL 330	PERCENTAGE ALLOTTED	SEATS AVAILABLE 330
CATEGORY		
Schedule Caste	13%	43
Scheduled Tribes	7%	23
VJ/DT (A)	3%	10
N.T. (B)	2.5%	8
N.T. (C)	3.5%	11
N.T. (D)	2%	07
O.B.C	19%	63
Special Backward Class	2%	07
Physically	3%	10
Special Category(inclusive of sports/ defence)	3%	10
Open Category	42%	138

We also follow the reservation criteria for women where 50% of the total seats are reserved for them.

TABLE 3.2

UNAIDED SECTION ----- BCOM (ACCOUNTING & FINANCE)

TOTAL SEATS AVAILABLE: 60

QUOTA CATEGORY WISE	CATEGORY	NUMBER OF STUDENTS
1) Schedule Caste	13%	08
2) Schedule Tribe	7%	04
3) VJ/DT (A)	3%	02
4) N.T. (B)	2.5%	01
5) N.T. (C)	3.5%	02
6) N.T. (D)	2%	01
7) O.B.C	19%	11
8) Special. B.C.	2%	01
9) Special Category	3%	02
10) Physically Handicapped	3%	02
11) OPEN	42%	26



TABLE 4

Programmes	Number of Students application				Number of Students admitted				Demand ratio			
	2010-11	2011-12	2012-13	2013-14	2010-11	2011-12	2012-13	2013-14	2010-11	2011-12	2012-13	2013-14
UG												
F.Y.B.A.	66	77	78	43	66	77	78	43	1:1	1:1	1:1	1:1
S.Y.B.A.	66	53	37	47	66	53	37	47	1:1	1:1	1:1	1:1
T.Y.B.A.	64	53	39	27	64	53	39	27	1:1	1:1	1:1	1:1
FYB.Sc.	98	57	51	57	98	57	51	57	1:1	1:1	1:1	1:1
SYB.Sc.	42	61	50	32	42	61	50	32	1:1	1:1	1:1	1:1
TYB.Sc.	59	55	50	73	59	55	50	73	1:1	1:1	1:1	1:1
F.Y.B.Com.					337	334	324	318				
S.Y.B.Com.	300	299	289	283	300	299	289	283	1:1	1:1	1:1	1:1
T.Y.B.Com.	278	281	274	274	278	281	274	274	1:1	1:1	1:1	1:1
F.Y.B.A.F.					60	55	54	59				
S.Y.B.A.F.	57	60	52	55	57	60	52	55	1:1	1:1	1:1	1:1
T.Y.B.A.F.	60	58	55	52	60	58	55	52	1:1	1:1	1:1	1:1
F.Y.B.M.S.					58	60	60	56				
S.Y.B.M.S.	39	60	59	55	39	60	59	55	1:1	1:1	1:1	1:1
T.Y.B.M.S.	53	40	56	57	53	40	56	57	1:1	1:1	1:1	1:1
PG												
M.Sc. I	10	09	08	02	10	09	08	02	1:1	1:1	1:1	1:1
M.Sc. II	10	09	07	06	10	09	07	06	1:1	1:1	1:1	1:1
M.Com. I	12	16	30	00	12	16	30	00	1:1	1:1	1:1	1:1
M.Com. II	13	02	10	12	13	02	10	12	1:1	1:1	1:1	1:1
PhD.												

The above table clearly shows the trend towards the Commerce stream. This could be attributed to the current craze towards commerce and management oriented courses. An universal feature, not just applicable to our college, but found all over the city, is that the number of students opting for Arts and Science Courses is gradually dwindling.

The college is making every effort to persuade students to enroll for Arts and Science courses by explaining the various career advancement options open to them and the ensuing benefits to those opting for these streams.

2.2 Catering to student Diversity

2.2.1 How does the institution cater to the needs of differently –abled students and ensure adherence to government policies in this regard?

The College has a special place for the economically backward and socially weaker sections of society, the handicapped and the underprivileged. We strictly adhere to the norms laid down by the University of Mumbai and seats are accordingly allocated. Further, we would like to add that the disabled quota is also followed in the appointment of staff – (Teaching and Non-teaching) and **we are happy to say that one of our staff-members who retired on superannuation as Vice Principal was Physically Handicapped.**

A special mention has to be made about the railing facilities provided at the entrance to ease the mobility of the handicapped. They thus have direct access to the college lift. In keeping with the university guidelines, extra time is allotted to students appearing for exams and in case of visually challenged students, a writer is provided as per the requisite norms.

Taking into account the humble background of majority of our students, often the need is



felt for supplementing their family income. The college timings for Degree College students (mainly for the Arts & Commerce faculties) from 7-09 AM to 12-22PM, enables them to take up part-time jobs/ attend vocational & employment oriented courses. In addition a number of Scholarships and Freeships are provided to the socially and economically backward classes and girl students.

All this is carried out within the stipulated norms.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the program? If 'yes', give details on the process.

As such no formal effort is made at assessing the needs of the students in terms of knowledge and skills, however once the skills and aptitudes of the students are realized through interactions, and through scanning of the admission forms, talented students are encouraged to specialize in their respective fields.

In case of academic abilities, while extra reading material and notes are provided to the brighter students, remedial lectures and practicals are conducted for the weaker students.

Examples of these are:

- a) Formative Foundation Course for the academically weaker students is regularly conducted by the Physics Department in the months of March-April;
- b) The department of Sanskrit prepares the weaker students for the Basic Sanskrit exams conducted by Bharatiya Vidya Bhavan.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/ Remedial/Add-on/Enrichment Courses etc.) to enable them to cope with the program of their choice?

Academically students are evaluated not only through internal and semester end examination, but also through the tests held by individual teachers. Vivas are conducted after accepting projects/assignments, as per the norms laid down by the University.

While the brilliant students are encouraged to excel in fields of their skill and performance, special attention is paid to the academically weaker and handicapped students. Despite admitting mediocre students, we can proudly say that our alumni today occupy important places in different fields and can compete favorably with the best in the world.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.

The college believes in Gender Equality. Apart from maintaining women reservation quota at the time of admission, the college takes pride in the fact that ladies dominate the helm of affairs. The current I/c Principal/, Vice Principal Degree College and Vice Principal and Supervisors of Junior College are all ladies.

Our institution boasts of a strong CWDC Cell (College Women Development Cell) to deal with gender related matters. Both lady staff members and students can approach the cell. In fact we would like to strongly mention that in the recent past, the college has been able to handle decisively complaints from students, on matters related to sexual harassment.

A number of plants are maintained in the space between the outer wall of the Chemistry department and the college compound wall. In addition, the college has a botanical garden on the fourth floor terrace of the old building, where a number of medicinal and



general plants are displayed and this helps in keeping the environment clean.

The College through the NSS and in coordination with Mumbai Police and NGOs has organized several programs related to environment. In fact our NSS students have been carrying out the project of making eco - friendly Ganapati during the Ganesh Chaturthi festival falling in the month of August/September every year.

A big stride in this direction has been the UGC Sponsored National Level "CANTAA 2013" on environmental sciences. The Eminent Guest Speakers enlightened the large audience on topics related to aero-allergens and allergy. The Seminar covered various issues such as impact of air-borne allergies, pollen, spores, bio-pollutants, contamination of agricultural produce etc. In short, emphasis was laid on the importance of maintaining a clean environment and the harmful consequences of pollution.

An Anti-smoking week was organized in December 2012, with the main purpose of highlighting the ill-effects of smoking and the resulting harmful consequences on the environment.

Another heartening factor has been that apart from the compulsory paper of Foundation Course, at the First year and Second Year (Aided Section), the University of Mumbai has introduced a compulsory Paper on Environmental Sciences for the FYBcom. students, thereby creating a general awareness of a clean and pollution free environment.

The Students' Council of the college in consultation with the college authorities has been organizing various 'Days' throughout the year with at least a couple of them being related to environment.

2.2.5 How does the institute identify and respond to special educational/learning needs of advanced learners?

Teachers regularly organize tests, seminars, and presentations, for the students. In addition the Vice Principals' maintain a list of toppers from each class. Accordingly, we are able to tap the best talent. The college gives special attention to these students by providing them additional reading material. Online sites are also provided, in order to enable them to source the data by use of information and communication technology. Students are encouraged to participate in workshops, seminars and competitions at both the intra-college and inter-collegiate levels.

2.2.6 How does the institute collect, analyze and use the data and use the information on the academic performance (through the program duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

The college has a special place for the economically and weaker sections of society, the handicapped and the underprivileged. A special mention has to be made of the railing facility at the entrance to ease their mobility.

One of the ideals of Bharatiya Shiksha says **"No promising young Indian must be left without Bharatiya Vidya merely for want of funds"**.

The college has several Scholarships and Freeships for the under privileged children through generous contributions from Philanthropists, both from within the college and outside. Apart from the routine circulation of books, the college library is providing Book Bank facility to the students. This facility is primarily applicable to the weaker



students.

Under this Scheme students can borrow books for the whole academic year on payment of a nominal fee of Rupees 150/-, on the condition that they return the borrowed books at the end of the Term examination.

Students facing financial constraints are given the concession of paying the fees in installments.

Fortunately the Drop - out Rate in the college is very low. Even in these few cases the teachers call the students along with the parents and counsel them about the importance of education and the reasons of dropping out from college. Measures are suggested which could hopefully help in reducing the rate.

2.3 Teaching – Learning Process

2.3.1 How does the college plan and organize teaching, learning and evaluation schedule? (Academic calendar, teaching plan, evaluation, blue print etc.)

Generally before the end of the academic year the Principal informs the teachers about the duration of terms for the forthcoming academic year. At the commencement of the new academic year (or sometimes even before the closure of college for summer break), a comprehensive teaching plan is prepared at the departmental meetings – taking into account areas of specialization of staff. By and large more difficult subjects/topics are assigned to more experienced faculty. Accordingly a plan of teaching is designed and details worked out. Each individual teacher then plans his/her own framework of teaching.

Regular meetings are held by the Principal with the heads of various departments to take stock of the progress of the completion of the prescribed curriculum. The Departmental problems are discussed and efforts made to sort them out.

We have been following the centralized system of assessment since 1993- much before the University of Mumbai made it mandatory for affiliated colleges. This assessment system, as per the University guidelines, has now been extended to the college level with respect to the evaluation of university level examinations for the Commerce, Science and Self- Financing courses. While the college evaluation is carried out on the seventh floor of the college new building, University assessment goes on in the library. In this context, we are very happy to say that we have never been defaulters in assessment. In fact all our Professors are the first to report for university assessment/ moderation and dutifully complete the assigned work as required by the University rules.

A regular teacher feedback is taken and the teachers with poor teaching scores are summoned by the Principal and sternly told to work out on their shortcomings.

2.3.2 How does the IQAC contribute to improve the teaching-learning process?

The IQAC forms an integral part of the college, having been established in 2005. It regularly holds meetings to discuss the various problems plaguing the college system and tries to find means of handling them. It makes several recommendations to the college authorities on the methods of improvement of the teacher learning process, and several of their suggestions are implemented. Thus, one can say that it acts as an intermediary between the college authorities and the staff and the students.

The preparation and the submission of the Annual IQAC Report is the responsibility of the IQAC. Apart from this, it is entrusted with the conduct of the process of teacher feedback and submission of the related hard copy to the Principal.

It therefore has a healthy role to play in improving the quality of the teacher learning process of the college.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?



The University of Mumbai has introduced the Credit based Semester Grading System since the academic year 2011-12, and marks are assigned for class participation. Thus students are encouraged to participate in classroom discussion. The college grants complete flexibility to the teachers in their mode of teaching, provided it does not violate the norms and create indiscipline in the class room. Many Professors conduct class room discussions during the course of their lectures on topic related matters. Apart from relieving the students from the mundane traditional chalk board method of listening to a

Year	Department	Date	Name of the event
2009-10	-	-	-
2010-11	Chemistry	4 th September 2010	"Setting Goals in Life"
		7 th January 2010	"Higher Education abroad"
2011-12	Physics	18 th January 2012	Spoken Tutorials
	Chemistry	9 th March 2012	Revision of Syllabus FYB.Sc.
2012-13	Chemistry	30 th June 2012	Orientation on CBSGS
2013-14	Chemistry	6 th July 2013	Orientation on CBSGS

**TABLE 5.2
SEMINARS**

Year	Department	Date	Name of the event
2009-10	BMS	30 th August	-Communique 2010
2010-11	Economics	20 th & 21 st September 2010	International Seminar on "Economics of Higher Education Changing Role in the New Global Order"
2011-12	-	-	-
2012-13	Economics	21 st & 22 nd November 2012	International Seminar on "Symbiosis between Academia & Corporate World – A Step Forward"
	Chemistry	1 st & 2 nd February 2013	Seminar for college FY students
2013-14	Economics	11 th & 12 th September 2013	UGC Sponsored National Seminar on "Higher Education – A Directional Impetus"
	Botany & Zoology	29 th & 30 th November 2013	UGC Sponsored National Seminar on "CANTAA 2013"



**TABLE 5.3
FIELD TRIPS**

Year	Department	Date	Name of the event
2009-10	Botany & Zoology	13 th -17 th December 2009	Konkan
		21 st -30 th January 2010	Ooty, Mysore
	Bcom(A&F)	13 th February 2010	Nitco Tiles Alibaug Arvind Mills/ Amul Park
	BMS	15 th -20 th February 2010	Reliance Power Plant
	BMS/Bcom(A&F)	18 th -23 rd March 2010	
2010-11	Zoology	9 th August 2010	Karnala Bird Sanctuary Palghar-Satpati
		October 29 th 2010	Kanyakumari, Rameshwar, Madurai
	Botany & Zoology	November 18-27 2010	
	Chemistry		

**TABLE 5.4
COMPETITION**

Year	Department	Date	Name of the event
2009-10	Mathematics		Quiz Competition
	Economics		Elocution Competition
2010-11	Mathematics		Quiz Competition
	Commerce	14-02-2011	Make an Ad
2011-12	Mathematics		
	Botany & Zoology		Intercollegiate Poster Competition
	Commerce	17-01-2012	"Mirror" – Social Ad Challenge
2012-13	Mathematics		Quiz Competition
	Chemistry	14-15/09/2012	Project and Poster Competition
	Commerce	03-12-2012	Poster Competition
		22-01-2013	"Take a Break" Ad Competition
2013-14	Mathematics		
	Chemistry	31-01-2014	"Chemhunt"
		01-02-2014	"Chem housie"
	Commerce	06-12-2014	Ad Mesh-Up



**TABLE 5.5
EXHIBITIONS**

Year	Department	Date	Name of the Event
2009-10	Botany & Zoology	February 2010	Biozac
2010-11	Chemistry	7,8/09/2010	Chem-Caster
	Physics	03/02/2011	Quantazics
	Botany & Zoology	03/02/2011	Biozac
2011-12	Botany & Zoology	21,22/09/2011	Biozac
2012-13	Chemistry	14,15/09/2012	Chem-Caster
	Physics	19/01/2013	Quantazics
	Mathematics	19/01/2013	Mathematics
	Botany & Zoology	2,3/01/2013	Biozac
2013-14	Chemistry	31/01/2014	Chem-Caster
	Chemistry	01/02/2014	Chem-Caster
	Physics	06/02/2013	Chem-Caster

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

Many of our students enroll in the NSS Program of our college. This instills in them a sense of civic responsibility and contributes to the overall development of their personality.

The college has a number of associations. The activities of the association include quizzes, debates, elocution competition, essay writing, etc. This provides a platform for bringing out the innate talents of the students.

There is a Students' Council in the college. The Principal regularly conducts meetings of the Council, mainly comprising, meritorious students and a few teaching staff members. The Council encourages the creativity and talent of the student community and a spirit of cooperation is instilled in them. The Council also serves as a platform for inculcating a sense of responsibility and development of leadership skills among the students.

An annual intra-college event "Kalashree" is organized. It acts as a source for the students to exhibit their hidden talents through competitions such as Poster making, Rangoli, Essay Writing, Personality Contest, Treasure Hunt, Singing, Dancing etc.

In addition the scheduling and implementation of such curricular and extra-curricular events provides an opportunity to the students to display their organizational and leadership qualities, thus paving the way for a better future.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? E.g.: Virtual laboratories, e-learning-resources from National Program on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education etc



As mentioned earlier, even though the traditional lecture method is universally followed, some of our teachers deliver their lectures through audio-visual aids like OHP, models, slide projectors and educational sites. The computer laboratory situated on the first floor of the college main building and some of the bigger classrooms are generally utilized for making power point presentations. Virtual laboratories are used by the science departments of the college. Internet usage is carried out on a large scale for completion of assignments and projects.

The staff often use software ENLIST available in the college library. Libraries of TIFR, TISS, ICT, Asiatic Society, British Council, USIS and University of Mumbai are used for gathering information.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- ✓ The college has successfully organized two International (September 2010 and November 2012) and one National Level Seminars on the theme of Higher Education. Eminent Personalities, Scientists, Educationists, Political Heavy Weights, Corporate Giants have actively participated in the Seminars. The mind-boggling speeches by these experts provided just the right platform for the interaction of views and ideas between teachers and students on one hand and the Resource Persons on the other.
- ✓ In the September 2013 students participated in the UGC Sponsored National Seminar on “Higher Education a Directional Impetus” through Poster-making competition on education related topics ranging from Quality of Indian Higher Education, Reverse Brain Drain, Examination System in India to Employability of Indian Youth. As an incentive cash prizes were given to the three best Posters.
- ✓ An UGC sponsored National Seminar “CANTAA 2013” was organized by the Botany and Zoology Departments of the college. This was accompanied by Slide show and Poster Competition. Staff and students from all over India participated in the Conference in large numbers.
- ✓ Experts such as Dr. Knapp, Ms. Shweta Zaveri, Prof Mohan Apte, Prof Dongardive and Dr. D.V Prabhu have delivered lectures in the college
- ✓ Several of our teachers have been invited as Resource Persons at state level, national level and international level conferences.
- ✓ Our Professors have presented Papers at conferences organized by both our institution as well as other institutions and published articles in renowned national and international journals. Apart from paying the Registration fee, the college grants Duty leave to teachers attending workshops and seminars.
- ✓ Our students are encouraged to attend seminars organized by other colleges. Keeping in mind its significance, teaching staff members are persuaded to attend Orientation and Refresher Courses organized by Academic Staff College both in Mumbai and outside.
- ✓ Internet facility is available to staff and students free of cost in the Computer Lab during the working hours of the college. This helps them get effective reading material online.
- ✓ The college boasts of two Research laboratories a) Research Lab for M.Sc. and PhD in Chemistry & b) Research Lab for M.Sc. in Zoology.
- ✓ The college has a well-equipped library having a wide collection of books, journals and periodicals. To its credit one can also say that it also has a collection of rare books.

2.3.7 Detail (process and number of students/benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?



The college has a Counseling and Guidance Center, which is looked after by Prof Rina Dhonde of the Department of Psychology. Students are free to visit this Center according to the time schedule and discuss their problems.

In addition our teaching staff members also counsel the students from time to time on matters which are academic, personal or psycho- social in nature. Often parents are also called to help ease out the tensions and come to an amicable solution.

At the First year level orientation programs for the benefit of the students and staff are conducted by the Principal, before the commencement of their classes with the objective of providing guidance to the students.

- 2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Education is a creative art involving an amalgamation of knowledge and skills. It must develop the best in a student. The proportion of knowledge and skill depends on the stream of education and changes from year to year.

The University of Mumbai introduced the Credit System in 2011-12 and accordingly 40 marks were assigned to internals and 60 marks to semester end examination. The internals included an assignment of 20 marks and 5 marks were allotted for class attendance and participation. Subject related projects gave scope to innovative approaches. The task of gathering extra information fostered reading habits among the students and also developed computer awareness as internet usage also had to be made. With weightage given to class participation and marks been assigned for the same, it led to more inter active lecture sessions. This was far cry from the traditional lecture method. However, from this academic year i.e. 2014 the system has changed to 25:75; where internals will carry 25 marks and external semester end examination 75 marks. Of these 25 marks, there would be a class test of 20 marks and active participation together with attendance would carry 5 marks.

- 2.3.9 How are library resources used to augment the teaching-learning process?

The college has a well-equipped library having a wide collection of books, journals and periodicals. To its credit one can also say that it has a collection of rare books. There is a Library Committee comprising the Librarian and senior teaching staff members. They decide on the allocation of budgets for the purchase of library books.

The heads of various departments, select study material and reference material needed for use of both the departmental staff and students, keeping in mind the budgetary restraints. Staff members are also provided with a set of popular newspapers like Times of India, Indian Express, Economic Times, DNA, Loksatta, etc, which are kept in the staff room on the fourth floor, for the exclusive use of the staff members. An additional set is kept in the library for the benefit of the students.

Our proximity to the main office of our mother institution – Bharatiya Vidya Bhavan makes possible the availability of books and periodicals from the Bhavan Library at a concessional rate.

A collection of Educational CDs, in areas such as Science, Management and Personality Development is kept in the library. Some publishers provide CDs as an accompanying material along with the books. While a few of these have been donated, others have been purchased by the college. The staff and students can access these CDs' for their use.

Since the academic year 2011-12 the college is a subscriber of UGC program of



INFLIBNET (an autonomous institution under UGC). Being a member, the authorized users can access e-journals, e-books and bibliographic databases. Access to JSTOR journals is available to the users through this program. Through e-brary, library borrows e-books online using Adobe Digital Edition. The service is being used by Post Graduate students and faculty.

Library is using SOUL software for in house operations developed by INFLIBNET. Cataloguing and Circulation is fully automated. The software supports OPAC and Web-OPAC. SOUL database hold the record of 72533 documents. One OPAC terminal is placed at the entrance of the library, for searching the library catalogue.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approach to overcome these?

With the introduction of Credit Based Grading System completion of syllabus within the given time framework poses a big challenge. However, every attempt is made by the faculty, to complete the same early, making holding of exams and declaration of results possible as per the desired schedule.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

There is regular monitoring of teaching learning in our college. Meetings called by the Principal and the Heads of Departments, to evaluate the quality of learning, has now become a routine process. Attendance in class rooms is mandatory, as per the norms of the University and the college has not hesitated in holding back the terms of students who have been defaulters in this regard.

Student feedback is annually conducted online and the hard copies are given to the individual teachers. Teachers with poor performance are called, reprimanded and warned by the Principal to improve their performance, or else strict action could be taken.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

TABLE 6

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			02	05	04	01	12
M.Phil.					03	01	04
PG			01	02	03	07	13
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG							



The college strictly follows the procedures, involved in the appointment of staff and after a period of probation of two years, decides on their confirmation. Confidential reports from the respective heads of departments are obtained to decide on their continuation in service.

The qualified and competent staff are appointed on various Committees, so as to instill in them a sense of involvement and responsibility. This helps in inducing the staff to stay back in this college.

The college diligently follows the Career Advancement Process of its staff and encourages them to improve their qualifications and skills by attending Refresher/Orientation Programs, Seminars, Workshops, Conferences and pursuing further studies.

- 2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programs/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

The college has three self-financing courses. In case of BMS and Bcom (Accounting & Finance) experts are invited from the corporate, accounts and academic fields to deliver lectures. They are paid on a contractual basis, as decided by the members of the Principal's Office from time to time.

Likewise our faculty members are invited by other colleges to provide career guidance to the students. We always encourage teachers to participate and present Papers at workshops and seminars to enhance their knowledge of the subject.

There has been an improvement in the performance of the students in the last three years and we are very happy to say that most of our Professors have several publications (national and international) to their credit.

- 2.4.3 Providing details on staff development programs during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality

a) Nomination to staff development programs

TABLE 7

Academic Staff Development Programs	Number of faculty nominated	2010-11	2011-12	2012-13	2013-14
Refresher Courses		-	01	02	04
HRD Programs		-	-	-	-
Orientation Programs		01	01	-	-
Staff training conducted by university	-	-	-	05	02
Staff training conducted by other institutions		-	-	-	-
Summer/ Winter schools, workshops etc		-	-	26	22



b) Faculty Training Programs organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

❖ Teaching learning methods/approaches

Teachers have been availing of information and technology techniques for delivery of lectures. This could include power point presentations, OHP & Slide Projectors and use of educational sites. The college offers employment oriented subjects such as Computer Systems and Application as an applied component at the TYBCom level, Computer Programming at the TYBsc level and Computer Applications at the TYBA level. All these students use Power Point Presentations and OHP while presenting their projects.

The location of the Gandhi Institute of Computer Technology on the ground floor of the college new building is a big asset. Free computer education is provided and several members of the staff both teaching and non-teaching, are making use of this facility to make themselves computer savvy.

Industrial visits, site visits, field trips and excursions have always formed an integral part of several undergraduate curricula. Students are required to make a Report on their return, so as to understand the extent of assimilation of knowledge through such trips.

Several subject related competitions are held. The Department of Commerce for example regularly organizes Advertisement making competitions, for students who have applied for advertising as an applied component.

Another achievement worth mentioning is the development of the College Website in February 2012 by a group of energetic and innovative students. Making of the website was a project topic assigned to the students and this project finally culminated in the launching of the college website.

Many staff members are members of academic libraries like British Council, USIS, University of Mumbai etc, from where relevant printed and audio material is acquired and used during lecture sessions.

❖ Handling new curriculum

Our college is affiliated to the University of Mumbai and as such cannot design the curriculum. But every effort is made to implement the same to the fullest. With the introduction of the Credit based Semester Grading System, by the University, the curriculum is methodically followed by the college, with two internal tests, two assignments and two Semester end examinations.

As and when the syllabus is revised workshops and meetings are arranged by the University and our teachers duly attend the same. While the meetings called by the Vice Chancellor are attended by the Principal/ Vice Principals, teachers are sent for subject related workshops. In fact we would like to mention that the Department of Chemistry in collaboration with the Board of Studies (Chemistry) University of Mumbai had organized a workshop for TYBSC (Chemistry) in March 2013.

In addition workshops/seminars are arranged by the university as well as affiliated colleges on teaching methods and pedagogy to improve teaching practices. The college encourages teachers to go for workshops, orientation programs, refresher courses, seminars and conferences with the objective of updating and upgrading their information, and duty leave is granted for the same.

In addition our college has also to date organized two international and one national



level seminar on the theme of higher education.

❖ Content/knowledge management

Our institution firmly believes in the importance of research. We have two research laboratories

a) Chemistry lab (M.Sc./PhD)

b) Zoology lab (M.Sc.)

Teachers are encouraged to attend Seminars/Workshops, Present Papers, publish articles and thereby enhance their knowledge. Professors in addition are regularly sent for Refresher/ Orientation Programs as per the guidelines and the requirements vital for their promotion.

❖ Selection, development and use of enrichment materials

The college has a well-equipped library having a wide collection of books, journals and periodicals. To its credit one can also say that it has a collection of rare books.

There is a Library Committee comprising the Librarian and senior teaching staff members. They decide on the allocation of budgets for the purchase of library books.

The staff and students have free access to internet facilities during the working hours of the college. This helps in gathering information online.

Many staff members are members of academic libraries like British Council, USIS, and University of Mumbai from where relevant printed and audio material is acquired and used during lecture sessions.

❖ Assessment

The Credit based Semester Grading System was introduced by the University of Mumbai in the year 2011-12. Meetings called by the University to brief the teaching staff of the new credit system, were attended by the Principal and the Vice Principals. The Principal in turn called a meeting of the Heads of Departments and individual teaching staff members to explain the new system.

Every year the Principal and the Vice Principals carry out orientation programs for the first year students. These students and their parents are given a detailed explanation of the system of examination. Until last academic year the system was inclusive of two internal tests, two assignments and two Semester end examinations.

Since the academic year 2014-15 the 75: 25 pattern has been introduced by the University. Under this scheme there will be one internal test of 20 marks in each Semester, in addition five marks will be assigned to attendance and class participation. This will be followed by two Semester end examinations.

To maintain quality and sanctity of the examination system, an examination committee is appointed, comprising senior teaching staff members. The entire process is monitored by this committee. We have centralized paper assessment of both semester end examinations as well as examinations conducted by the college on behalf of the University.

As is mandatory the college has an Unfair Means Committee entrusted with the task of overseeing the malpractices, if any, found during the course of the examinations. A meeting of the Committee is called after every semester end examination and punishment is meted out to the erring students according to the rules laid down by the University.



Many of our teachers are Paper Setters and most of them also visit other colleges for carrying out moderation work.

- ❖ Cross cutting issues
- ❖ Audio Visual Aids

Teachers have been availing of information and technology techniques for delivery of lectures. This could include power point presentations, OHP & Slide Projectors and use of educational sites. The college offers employment oriented subjects such as Computer Systems and Application as an applied component at the TYBCom level, Computer Programming at the TYBsc level and Computer Applications at the TYBA level. All these students use Power Point Presentations and OHP while presenting their projects.

The location of the Gandhi Institute of Computer Technology on the ground floor of the college new building is a big asset. Free computer education is provided and several members of the staff both teaching and non-teaching, are making use of this facility to make themselves computer savvy.

- ❖ OER's
- ❖ Teaching learning material development, selection and use

After the Principal informs the staff about the terms for the academic year, the Heads of Departments call meetings of their departmental colleagues regarding the distribution of workload.

Generally along with the syllabus the university gives a list of references. Keeping in mind the caliber of our students and their humble background, the references are given to the students in the form of notes. In addition a list of other books is also given for further reading.

The brighter students are given advanced reading material. Access to internet usage is encouraged, so that material can be surfed online.

Many teachers make use of overhead projectors, slides, models and educational sites, as also material gathered from renowned libraries.

c) Percentage of faculty

- Invited as resource persons in Workshops/ Seminars/ Conferences organized by external agencies

TABLE 8

10-11	11-12	12-13	13-14
-	-	01/34 (03%)	-

- Participated in external Workshops/Seminars/Conferences recognized by national/international professional bodies

TABLE 9

10-11	11-12	12-13	13-14
21/34 (62%)	06/33 (18%)	19/34 (56%)	17/28 (61%)



- Presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies

TABLE 10

10-11	11-12	12-13	13-14
16/34 (47%)	04/33 (12%)	17/34 (50%)	14/28 (50%)

- 2.4.4 What policies/systems are in place to recharge teachers? (e.g.: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programs industrial engagement etc.

The college has been encouraging teachers pursuing research to avail of study leave in accordance with the UGC norms. According to the University guidelines, teachers joining FIP/Teacher Fellowship get study leave of duration of one to two years.

Talking of the past three years, while one of our teachers has come back from FIP, another is availing of the same. Two others have applied for the FIP. The leave has been approved by the expert committee. However, the formal process is in progress and should be completed soon, accordingly then they can proceed on leave.

We realize the important role research plays in the current competitive environment and we can proudly say that we have two Research Laboratories:

- Chemistry Research lab located on the ground floor of the college main building for M.Sc. & Ph.D. &
- Zoology Lab for M.Sc.

Teachers are always encouraged to attend Seminars/ Workshops and present papers. Duty leave is granted for the said period. Registration fee paid by the teacher is reimbursed by the college.

- 2.4.5 Give the number of faculty who received awards/recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/ achievement of the faculty.

Two of our staff members have applied for patents namely:

- Dr. S.V Rathod of Department of Chemistry has applied for 16 Patents; and
- Dr. Shantaj Deshbhratar has applied for 1 Patent.

- 2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of teaching-learning process?

Student feedback is regularly conducted online and the hard copies are given to the individual teachers. Teachers with poor performance are called and warned by the Principal to improve their performance or else stricter action could be taken.

2.5 Evaluation Process and Reforms

- 2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

The Credit based Semester Grading System was introduced by the University of Mumbai in the year 2011-12. Meetings called by the University to brief the teaching staff of the new credit system were attended by the Principal and the Vice Principals. The Principal in turn called a meeting of the Heads of Departments, faculty wise and



explained the new system.

Every year the Principal and the Vice Principals carry out orientation programs for the first year students. These students and their parents are given a detailed explanation of the system of examination. Until the last academic year, the system was inclusive of two internal tests, two assignments and two Semester end examinations.

Since the academic year 2014-15 the 75: 25 pattern is introduced by the University.

Under this scheme there will be one internal test of 20 marks in each Semester, in addition five marks will be assigned to attendance and class participation. This will be followed by two Semester end examinations. This new process of evaluation has been communicated to all the Degree college students.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution itself?

Education is a creative art and it must develop the best in a student. The proportion of knowledge and skill depends on the stream of education and changes from year to year.

The University of Mumbai introduced the Credit System in 2011-12 and accordingly 40 marks were assigned to internals and 60 marks to semester end examination. Thus in the two semesters the internals were inclusive of a class test of 10 marks, an assignment/project of 20 marks and 10 marks were assigned for class attendance and participation. There would also be two semester end examinations each carrying 60 marks, conducted by the colleges on behalf of the University of Mumbai for first year and second year of undergraduate courses and by the university itself for third year students.

Since the academic year 2014-15 the ratio has changed to 25:75. In this case there would be a class test of 20 marks in each semester and 5 marks will be allotted on the basis of attendance and class participation. It would be followed by semester end examination carrying 75 marks.

The college collects three sets of question papers from the paper setters as required by the University norms. The entire process is carried out strictly under the surveillance of the examination committee. Additional examinations, for students who have remained absent or failed, are conducted within the stipulated period.

Students are provided with detailed information about the pattern of evaluation and the examination schedules at the beginning of the academic year, by each teacher in the class. Besides any changes or additional information received from the university from time to time, is made available to the students by displaying the same on the notice board.

We have a centralized system of assessment. The evaluation is carried out on the seventh floor of the college new building and we are very happy to say that we have never been defaulters in assessment. In fact all our Professors are the first to report for university assessment/ moderation work and dutifully complete the assigned work as required by the University rules.

The College has an Unfair Means Committee to look after malpractices during the course of the examinations.

An important decision taken by the college was to go for online tests. Initially the internal tests were conducted online for the unaided section, in the second semester of the academic year 2013-14. The success of the scheme made the college authorities think of extending the process to the students of the aided section. However, the same



could not be implemented on account of the guidelines provided by the Boards of Studies of different subjects, disallowing online tests.

- 2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

The entire examination process is monitored by the examination committee appointed by the Principal and comprising senior teachers.

As mentioned earlier, the evaluation process is strictly followed according to the norms laid down by the Government of Maharashtra and University of Mumbai.

Regular meetings are held by the Principal with the committee to keep track of the evaluation process.

Students doubtful about their results can ask for reevaluation/ verification/ photocopy after paying the requisite fees. This ensures transparency in the evaluation process

- 2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively affected the system

Formative Assessment

The University of Mumbai introduced the credit system. Under the scheme internals carried 40 marks. The distribution of marks is as follows:

- | | |
|-------------------------------------|----------|
| 1) Class Test | 10 marks |
| 2) Assignment/Project | 20 marks |
| 3) Class Participation & Attendance | 10 marks |

The minimum marks necessary for passing was 16.

From the academic year 2014-15, 25 marks are allotted to internals. This would include a class test of 20 marks and 5 marks for class attendance and class participation. The minimum passing marks are 10.

Summative Assessment

Under the earlier credit system semester examinations carried 60 marks. The minimum marks for passing was 24 marks. Students who failed in the semester end examination could appear for the additional examination conducted 20 days after the declaration of the official results. From 2014-15, 75 marks will be assigned to semester end examination and minimum passing marks are 30.

Education must develop the best in a student. The proportion of knowledge and skill depends on the stream of education and changes from year to year. The advantages of the system of evaluation are many. Subject related projects gave scope to innovative approaches. The task of gathering extra information fosters reading habits among the students and also helps develop computer awareness among them, as internet usage also had to be made.

The assigning of marks to class participation has led to more inter active lecture sessions. This was far cry from the traditional lecture method of chalk and duster.

- 2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

Under the present system assignments are given to the students and power point presentation is permitted. The teacher gauges the creative and independent thinking of the student and also his overall impression and assigns marks accordingly. In addition marks are also allotted for class participation and attendance, on the basis of the



record of the student maintained by the concerned departments.

Under the new scheme implemented from 2014-15 five marks are allotted for class participation. This not only ensures rigor and transparency in the internal assessment, but also promotes independent learning and communication skills among the students.

- 2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

The system of examination is semester based where there is amalgamation of knowledge and skills. The college strictly follows the credit based system of examination as laid down by the university. Orientation Programs are held for the students by the Principal and the class teachers and the students are enlightened on the scheme, this helps them in the successful attainment of their goals.

- 2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and university level?

The entire examination process is under the surveillance of the examination committee appointed by the Principal, comprising senior staff members. If a student has any grievance with regard to evaluation they can approach the examination committee. On the basis of university guidelines; they have the option of asking for verification, revaluation, or photo copy of the answer book.

The Committee with the help of the college administrative staff makes a list of such cases, category wise and carries on the process.

In addition we have an Unfair means Committee which looks after the malpractices encountered during the conduct of the examination.

2.6 Student Performance and Learning Outcomes

- 2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these? - Yes

At the beginning of every academic year the in the staff meeting the Principal informs the teaching staff about the pattern of evaluation and the examination schedule. The teachers in turn explain the same to the students in their respective classes.

Before the commencement of the First year classes, an orientation program is conducted for students and their parents. The Principal makes them understand the scheme of evaluation and pattern of examination. In addition any changes or additional information received by the university from time to time in the form of circulars is made available to the students, by displaying the same on the notice board.

- 2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of course/program? Provide an analysis of students results achievements (Programs/course wise for last four years) and explain the differences if any and patterns of achievements across the programs/courses offered.



TABLE 11

Year	Course	Class	Gender		Total	Course	Class	Gender		Total
			Female	Male				Female	Male	
2010-11	F.Y.B.Sc.	1st	11	01	12	F.Y.B.COM	1 st	19	17	36
		2 nd	11	20	31		2 nd	51	59	110
		Pass	01	00	01		Pass	18	28	46
		ATKT	05	14	19		ATKT	34	41	75
		Fail	13	25	38		Fail	29	42	71
		Total	41	60	101		Total	151	187	338
	%	56.10	35.00%	43.56%	%	58.28%	55.61%	56.80%		
	S.Y.B.Sc.	1st	05	13	18	S.Y.B.COM	1 st	24	24	48
		2 nd	04	16	20		2 nd	79	42	121
		Pass	00	00	00		Pass	15	17	32
		ATKT	00	01	01		ATKT	29	47	76
		Fail	00	03	03		Fail	11	14	25
		Total	09	33	42		Total	158	144	302
	%	100	87.88%	90.48%	%	74.68%	57.64%	66.56%		
	F.Y.B.A.	1st	04	00	04	M.Sc. I	1 st			--
		2 nd	06	06	12		2 nd			---
		Pass	06	03	09		Pass			03
		ATKT	06	12	18		Fail			10
		Fail	08	15	23		Total			13
		Total	30	36	66					
	%	53.33%	25%	36.36%						
	S.Y.B.A.	1st	00	02	02	M.Sc. II	1 st			02
		2 nd	19	05	24		2 nd			03
		Pass	05	10	15		Pass			--
ATKT		04	05	09	Fail				03	
Fail		05	11	16	Total				08	
Total		33	33	66						
%	72.73%	51.52%	62.12%							
UNAIDED										
F.Y.B.A.F.	1st			46	S.Y.B.A.F.	1 st			49	
	2 nd			05		2 nd			05	
	Pass			02		Pass			02	
	ATKT			04		ATKT			00	
	Fail			03		Fail			01	
	Total			60		Total			57	
%			88.33%	%			98.24%			
F.Y.B.M.S.	1st			33	S.Y.B.M.S.	1 st			28	
	2 nd			06		2 nd			04	
	Pass			01		Pass			00	
	ATKT			21		ATKT			07	
	Fail			03		Fail			04	
	Total			64		Total			43	
%			62.5%	%			74.41%			

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Under the present credit based system internal tests are conducted and assignments/projects are assigned to the students in both the aided (Arts, Science & Commerce streams) and unaided sections. At the end of the Semester, results are displayed on the notice board and individual mark sheets distributed.

We have a Parent Teacher Association. At the meeting, the parents are informed about the performance of their wards. Extra notes/practicals are arranged for the academically weaker students.

On the other hand, the meritorious students are encouraged to pursue higher studies. The college has a number of scholarships/ cash awards facilitated by generous



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		2 nd	06	06	12		2 nd			--
		Pass	06	03	09		Pass			03
		ATKT	06	12	18		Fail			10
		Fail	08	15	23		Total			13
		Total	30	36	66					
		%	53.33%	25%	36.36%					
	S.Y.B.A.	1st	00	02	02	M.Sc. II	1 st			02
		2 nd	19	05	24		2 nd			03
		Pass	05	10	15		Pass			--
ATKT		04	05	09	Fail				03	
Fail		05	11	16	Total				08	
Total		33	33	66						
	%	72.73%	51.52%	62.12%						
UNAIDED										
F.Y.B.A.F.	1st			46	S.Y.B.A.F.	1 st			49	
	2 nd			05		2 nd			05	
	Pass			02		Pass			02	
	ATKT			04		ATKT			00	
	Fail			03		Fail			01	
	Total			60		Total			57	
	%			88.33%	%			98.24%		
F.Y.B.M.S.	1st			33	S.Y.B.M.S.	1 st			28	
	2 nd			06		2 nd			04	
	Pass			01		Pass			00	
	ATKT			21		ATKT			07	
	Fail			03		Fail			04	
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We have a Parent Teacher Association. At the meeting, the parents are informed about the performance of their wards. Extra notes/practicals are arranged for the academically weaker students.

On the other hand, the meritorious students are encouraged to pursue higher studies. The college has a number of scholarships/ cash awards facilitated by generous



contribution from our donors/ patrons and even our very own staff members. These are given at the annual prize distribution ceremony in recognition of their performance.

In this context we would like to mention that our student Mr. Dhawnish Shukla stood sixth, among the TYBCom students of the University of Mumbai, who appeared in March 2013 and was felicitated by the Vice chancellor Dr. Velulkar.

- 2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

Awareness is the stepping stone to encouragement. The college has a strong NSS cell. The objective of the NSS is development of personality of students through community service.

The motto of NSS, 'Not Me but You' emphasizes the understanding of the needs of this community in which they work.

The college has a Placement Cell. Our Placement Officer Prof Reshma More looks after this aspect and several of our students have got jobs through on campus interviews.

- 2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

After the declaration of the results a meeting of the Principal's Office is called and the results are analyzed. The Principal at the meeting of the Heads of Departments asks the individual departments to look into their performance.

Departments doing well are praised and asked to keep up the good work. The names of the toppers are displayed on the Notice Board. On the other hand, the non-performing Departments are reprimanded and asked to improve their performance.

While additional reading material is given to the brighter students, extra lectures/practicals are held for the weaker ones.

- 2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

As mentioned earlier the institution analyzes the results and takes necessary measures. While steps are taken to foster the advantages, the college tries to work on its weaknesses so as to minimize their ii-effects.

- 2.6.7 Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes, the teaching –Learning process along with performance evaluation forms the background of any educational institution. Using mathematical terminology, the output of teaching-learning process is a function of inputs, processing and processors. If educational performance is to be considered as output, then students, staff and resources constitute the input.

The examination results portray the academic proficiency of the students. This no doubt can be used as one of the tools. However, our objectives go far beyond.

As our President Munshiji said the objective is building of an all-round personality of a student. Education is both formative as well as informative and in keeping with these practices the college tries to keep pace with the changing economic, social and market scenario. Efforts are being made to nurture an environment of teaching, innovation and creativity among the staff and students.



Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

- 1) The college has been regularly organizing seminars for staff and students at all three levels namely: state, national and international.
- 2) Two international and one national seminar have been on topics related to higher education.
- 3) In the UGC Sponsored National Seminar of August 2013 an inter-college Poster Competition for students was conducted on themes related to higher education such as Reverse Brain Drain, Unemployability of educated Indian Youth, examination system etc.
- 4) In November 2013 an UGC sponsored Seminar "CANTAA 2013" was organized by the Botany and Zoology Departments of the college, drawing an overwhelming response from both teachers and students.
- 5) Our student Mr. Dhawnish Shukla stood sixth at the TYBCom examination conducted by the University of Mumbai in March 2013 and was felicitated by the Vice Chancellor of Mumbai University.
- 6) The college website was developed by our own group of BMS students in February 2012.
- 7) Mr. Suresh Singh Solanki, General Secretary of our college (in the academic year 2012-13), was selected as University Representative on the basis of his Curriculum Vitae.
- 8) The science departments regularly conduct quizzes and exhibitions and nearby school children attend the same.
- 9) An Anti-smoking week was organized by the college in December 2013 to highlight the ill-effects of consuming tobacco.



CRITERION III RESEARCH, CONSULTANCY AND EXTENSION



THE CHEMISTRY RESEARCH LABORATORY HEADED BY DR. S.V.RATHOD.



THE H.O.D. OF ZOOLOGY DR. SHANTAJ DESHBHRATAR IN THE ZOOLOGY RESEARCH LABORATORY.



THE COMPUTER LABORATORY



THE N.S.S. ROOM OF THE COLLEGE AND THE HARD-WORKING N.S.S. PROGRAM OFFICERS AND VOLUNTEERS.





CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

“Bharatiya Shiksha must be formative more than informative and cannot have for its end mere acquisition of knowledge. Its legitimate sphere is not only to develop natural talents but to shape them so as to enable them to absorb and absorb the permanent values of Bharatiya Vidya”

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Yes our college has two recognized Research Laboratories:

- 1) Chemistry Lab (for Ph.D. & M.Sc.) &
- 2) Zoology Lab (for M.Sc.)

3.1.2 Does the institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by a Committee for implementation and their impact.

Yes.

The Research Committee is composed of senior teaching staff that is actively pursuing research.

The following members constitute the Research Committee of the College:

- | | |
|-------------------------------|-----------------------------|
| 1) Dr. (Mrs.) Medha. J. Gupte | I/c Principal & Chairperson |
| 2) Dr. S.V Rathod | Vice Principal & Convener |
| 3) Dr. Shantaj Deshbhratar | Member |
| 4) Prof. (Mrs.) M. Patwardhan | Member |
| 5) Prof. (Mrs.) V. Mallah | Member |
| 6) Dr. Sandip Maind | Member |

Research plays an important role in this competitive world. The Research Committee has been laying emphasis on the need for cultivating and nurturing research culture and has consequently been encouraging staff to undertake research based activities through Paper publication, Paper presentation and Minor and Major Projects. What is heartening to note is that more and more teachers are involved in carrying out such activities.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

Research is being given a lot of importance in recent years by our institution in keeping with the ever changing competitive world. This is facilitated by adequate infrastructure such as well stocked library, equipped laboratories and a computer lab with free internet facility during the working hours of the college. Efforts are being made to implement the assigned projects within the stipulated time period. The college has purchased equipments, updated library facilities and subscribed to Research Journals to keep pace with the changing scenario.

Teachers are encouraged to attend Refresher Courses, Orientation Programs, Seminars/Workshops, present papers, and publish them. Duty leave is granted and the Registration fees are reimbursed.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among the students?

Students are encouraged to undertake research work. Subject related projects and assignments are given with the sole purpose of providing the students an opportunity to gather information, thereby updating their knowledge. Likewise competitions such as poster making and creation of advertisements are held which apart from updating the



students, also lays a platform for the display of skills and talents.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects engaged in individual/collaborative research activity, etc. Some of our faculties are recognized teachers for PhD. and M.Sc. by Research, who guide the students. Several of our teachers have acquired their Doctorate degree while in service. The following two teaching staff members are recognized Research Guides:

- a) Dr. S.V Rathod Chemistry &
- b) Dr. S. Deshbhratar Zoology.

3.1.6 Give details of workshops/training programs/sensitization programs conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students

➤ Seminars

A) Dr. (Mrs.) Medha. J Gupte Head department of Economics and current I/c Principal, with the help of the college staff and students has organized one State level, two National Level and two International Seminars on topics related to education, economics and research as detailed below:

- 1) An ICSSR sponsored State level Seminar on “Maharashtra facing the Sahyadrian Challenge to Prosperity” in September 2005;
- 2) A National level Seminar on “Global Reins in India's Hands by 2020” in September 2006;
- 3) An International Seminar on “Economics of Higher Education Changing Role in the New Global Order” in September 2010;
- 4) An International Seminar on “Symbiosis between Academia and Corporate World” in November 2012; and
- 5) An UGC sponsored National Seminar on “Higher Education – A Directional Impetus” in September 2013.

B) An UGC sponsored National Seminar on “Current and New Trends in Aerobiology and Allergy (CANTAA 2013) was organized by the departments of Botany and Zoology of the college.

3.1.7 Provide details of prioritized research areas and the expertise available with the institution

- 1) Dr. (Mrs.) Medha. J Gupte – Economics (specifically International Economics), and Higher Education
- 2) Dr. S.V Rathod – Chemistry
- 3) Dr. S. Deshbhratar – Zoology

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The college has been organizing a number of seminars, and several researchers of eminence have been actively participating in them, thus providing the staff and students an opportunity to interact with the dignitaries. This list includes renowned personalities like Padma Vibhushan Awardee Dr. Anil Kakodkar, Padma Bhushan Awardee Dr. B.M Hegde, Dr. J. Tilak from NUEPA New Delhi, Dr. Chandrahas Deshpande from MEDC, Dr. Abhay Pethe, Dr. Dolly Sunny & Dr. Ajit Karnik from Department of Economics University of Mumbai, Dr. Vibhuti Patel from SNTD Women's University, Mr. Venkatramani from TCS, Dr. Sunil Patil from Symbiosis Pune, Dr. Wankhede from TISS, Dr. ST Tilak from Pune Dr. Jogdand, Dr. Abid Munshi, Dr. Ramchandra Rao, Dr. Rajan Velulkar Vice Chancellor University of Mumbai, Dr. Rajpal Hande Director BCUD University of Mumbai etc.



International Scholars such as Dr. Kishore Kulkarni from Metropolitan College, Denver, USA

and Dr. Justin Paul Faculty University of Washington, USA, have also participated in the seminars.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

NA

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

The college authorities are taking a number of steps to generate a sense of awareness among the staff and students. Students are given assignments and projects, which helps in initiating and transferring the research process.

3.2 **Resource Mobilization for Research**

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

So far no provision has been made in the budget for research. However, the college pays the registration fees of teachers/students who attend and present papers at seminars/workshops/conferences are

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount dispersed and the percentage of the faculty that have availed the facility in the last four years?

Ours is an aided college and therefore does not provide seed money to the faculty for research. The college helps in the disbursement process when it comes to getting the amount sanctioned by the UGC for FIP, Minor and Major Research Projects etc.

The following table illustrates the expenses borne by the college in the last five years on research related activities

TABLE 12
Expenditure in Rupees

YEAR	REGISTRATION	WORKSHOPS	ORIENTATION & REFRESHER
2009-10	9630	7140	6950
2010-11	15150	5800	1000
2011-12	12775	3580	2500
2012-13	13300	3580	2500
2013-14	15000	8325	1000



3.2.3 What are the financial provisions made available to support student research projects by students?

NA

3.2.4 How does the various departments/units/ staff of the institutes interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing inter-disciplinary research.

Many of the college staff are carrying on Research Projects in inter-disciplinary areas. Combined Minor Projects are conducted by colleagues from different departments of the Science stream such as Botany, Chemistry and Physics.

Likewise joint Papers have been submitted at Conferences, Examples are one Paper by Dr. Sandip Maind of Chemistry Department and Prof Suraj Gajbhiye of Botany Department. Similarly joint paper has been presented by Prof Manjusha Patwardhan from the Sociology Department and Prof Rina Dhonde of the Psychology Department.

3.2.5 How does the institution ensure optimum use of various equipments and research facilities of the institution by its staff and students?

The college library, situated on the first floor of the college new building has a collection of a wide variety of books, journals and periodicals. It provides the right conducive environment for smooth conduct of research, of learning resources, specialized reading etc. The college has already spent Rupees 10 Lakhs on purchase of hardware and software for the benefit of staff and students. This exposes them to new technologies. The science departments are well-equipped for conduct of research. General research facilities are available to the arts and commerce faculties also.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details

NA

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

Our college by itself does not provide funds to those undertaking research, but it helps the research scholars in speedy disbursement of funds.

TABLE 13

Nature of the Project	Duration Year from to	Title of the project	Name of the funding agency	Total Sanctioned	Grant Received	Total Grant received till date
Minor Projects						
1)	September 2011- October 2012	Biosorption of heavy metals (Zn (II) and Cu(II) from aqueous solutions using plant waste materials: equilibrium and Kinetic studies	University of Mumbai	25,000/-	25,000/-	25,000/-



2)	February 2012- January 2014	Biosorption of heavy metals (Pb(II), As(III), Cd(II) and Cr(VI) from aqueous solutions using plant waste materials: equilibrium and Kinetic studies	UGC, New Delhi			
Major Projects						
Interdisciplinary projects						
Industry						

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The college has two fully equipped Research Labs in the premises

- The Chemistry Research Lab on the ground floor of the college main building and
- The Zoology Lab on the third floor

In addition the college has a well - equipped library and computer lab. This makes way for a conducive environment for conducting research.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in new and emerging areas of research?

While a new Chemistry Research lab was started in 2011, the erstwhile Research Lab of Zoology which was dormant for several years, was revived and extension given in 2012.

Accordingly the college has made available all the requisite modified infrastructure and the related facilities in the new and emerging areas of research.

The college has a well - equipped library with reading room facility to encourage the researchers to indulge in pro - active learning. The Computer Laboratory, which provides free internet facilities to students and staff, also provides access to the recent developments in the field of Research.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes' what are the instruments/facilities created during the last four years.

No

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/ other research laboratories?

Some of the teachers of our college have used the equipments/labs of institutes such as TIFR, UDTC, IIT (Mumbai), University of Mumbai to carry on their research work. In



addition the permission is granted to students and research scholars to use the college laboratories after fulfilling the necessary formalities.

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers

The college has a well-stocked library equipped with modern catalog and e-journal facilities. The library has a collection of 26255 books. The composition of journals is as follows:

- 1) National Journals: 25
- 2) International Journal: 1
- 3) Online Journals: 6000 e-journals and 97000 e-books

Accommodation (area available):

Lower Level: 2240 sq. ft.

Upper Level: 1120 sq. ft.

Reading Area for students: 1120sq. ft.

Reference Section: 1120 sq. ft.

Magazine Section: No separate Section

Digital Library: There is no separate Digital Library. Our college, however, is a member of INFLIBNET

Information & Library Network Centre: A subscription fee of Rupees 5000/- is paid by the college.

3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

While there are no collaborations with other Research institutes, the essential facilities are provided by the college. They include:

- ◆ Laboratories: Zoology, Botany, Chemistry, Physics, Mathematics;
- ◆ Library & E-Library
- ◆ Computers: 31 working computers with internet facility
- ◆ Instruments are shown department wise:

1) Department of Chemistry

Flame Photo meter, BOD Incubator, Colorimeter, Spectrophotometer, pH meter, Electric Conducto meter, Digital Balance, shaker etc.

2) Department of Physics

He-Ne Laser, Hall Effect measurement kit, Thomson CRT for elm of cathode rays, Oscilloscopes, High temperature Furnace.

3) Department of Biology (Botany and Zoology)

Phase contrast Microscope, Binocular Microscope, Flame Photo meter, BOD Incubator, Colorimeter, Spectrophotometer, pH meter, Laminar Airflow, Centrifugation Machine, Oven, Two Refrigerators, Digital Balance, shaker, Microscopic Camera, etc.

Seminar Hall: Absent due to lack of space. It is proposed to have one in the near future.

Auditorium: A renovated Bhavan's Auditorium is made available to the college for seminars/conferences and other college functions.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- ❖ Patents obtained and filed (Attached in **Annexure 1**)



- ❖ Original Research Contributing to product improvement
NA
- ❖ Research studies or surveys benefitting the community or improving the services
NA
- ❖ Research inputs contributing to new initiatives and social development
- ❖ NA

3.4.2 Does the institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication
No

3.4.3 Give details of the publications by the faculty and students:

(Attached in **Annexure 2**)

- ❖ Publication per faculty
- ❖ Number of papers published by faculty and students in peer reviewed journals (national/international)
- ❖ Number of publications listed in International Database (for Eg; Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host etc.)
- ❖ Monographs
- ❖ Chapter in Books
- ❖ Books Edited
- ❖ Books with ISBN/ISSN numbers with details of publishers
- ❖ Citation Index
- ❖ SNIP
- ❖ SJR
- ❖ Impact of factor
- ❖ h-index

3.4.4 Provide details (if any) of

- ❖ research awards received by the faculty : NA
- ❖ recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

❖ **TABLE 14**

Sr. No	Name of the staff	Recognition	Name of the agency
1.	Dr. S.V Rathod	MSc (by research) & Ph.D. (Organic Chemistry)	University of Mumbai JITU Rajasthan
2.	Dr. Shantaj Deshbhratar	MSc (by research and Ph.D.) in Zoology	University of Mumbai JITU Rajasthan
3.	Dr.(Mrs.) Chayya Dixit	MSc (by papers) (Analytical Chemistry)	University of Mumbai
4.	Dr. Veena Joshi	MSc (by Papers) (Physics)	University of Mumbai
5.	Dr. Sandip Maind	MSc (by Papers/ by Research) (Physical Chemistry)	University of Mumbai



- ❖ incentives given to faculty for receiving state, national and international recognitions for recognitions for research contributions.

3.5 Consultancy

- 3.5.1 Give details of the systems and strategies for establishing institute-industry interface?
NA
- 3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?
NA
- 3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?
NA
- 3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last few years.
NA
- 3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?
No Revenue is generated

3.6 Extension Activities and Institutional Social Responsibility (ISR)

- 3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

Bhavan's Somani College has a strong NSS unit. The objective of NSS is development of personality of students through community service. The motto of the NSS is 'Not me but you', which emphasizes the understanding of the needs of the community in which they work. This is inclusive of:

- ✓ Development among themselves a sense of social and civic responsibility
 - ✓ Application of their knowledge to finding practical solutions to both individual and community problems
 - ✓ Development of competence, requiring group-living and sharing responsibilities
 - ✓ Gaining skills in mobilizing community participation
 - ✓ Acquisition of Leadership Qualities and Democratic Attitudes
 - ✓ Development of capacities for meeting emergencies and disasters
 - ✓ Practice of National Integration.
- 3.6.2 What is the Institutional mechanism to track students' involvement in various social movements/activities which promote citizenship rules?

The college NSS Unit is looked after by two Program Officers, who monitor the involvement and duties performed by students. Students are divided into groups where a group leader keeps a check on the students and presents a Report to the Program Officers, who after scrutiny only certify the completion of the requisite 120 hours of social service, which is attested by the Principal, before being forwarded to the University.

In addition the Students' Council of the College also organizes several community related activities. The General Secretary of the College looks after these activities and reports about the same to both the Principal and the Teacher Representative in the Council.

We would like to mention here that a Project 'SWACHATA –RBI (November 2014-June 2015) was proposed by the Governor of RBI Dr. Rajan & Deputy Governor Mr. H.R. Khan at Mussoorie Conference. As part of this Campaign, 6 NSS students of our college participated in the same.



3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The goals and objectives of the institution are clearly laid down in the college Prospectus, which is distributed along with the admission forms to those seeking admission to the college. Detailed below is the list of stakeholders:

Students:

Students form the life and soul of any educational institution and our college is no exception to the same. There is a Students' Council comprising both teaching staff and students. The Council is an intermediary between the college authorities and the students. In addition we have a grievance box kept in the library; here students are free to put forth their grievances. The authorities in turn try to solve the same in an amicable way.

Parents:

The college has a Parent-teacher association. It provides the basis for interaction between the parents and the teachers. Various aspects such as attendance, performance and problems are discussed at such meetings.

A number of industrial visits, educational trips and excursions are arranged. The consent of the parents is essential before taking their wards on such tours.

Staff:

Regular staff meetings are held throughout the year and the Staff Academy is a meeting ground for all the teachers, accompanied by talks, games, felicitations and lunches at the end of each academic term.

Alumni

The college has an Alumni Association. Meetings are regularly held not only among the members of the association but also with the current batch of students. Lectures are arranged and programs chalked out to highlight and focus on enhancing the image of the institution

3.6.4 How does the institution plan and organize its extension and outreach programs?

Providing the budgetary details for last four years, list the major extension and outreach programs and their impact on the overall development of students.

The college has a strong NSS unit who has been attempting to imbibe community development and other social goals among the students. Every year the Program officers personally move from class to class providing the students first-hand information on the Motto and Vision of NSS Program and motivating students to enroll for NSS Programs. The response of the students is overwhelming, only demonstrating the basic goal – that is one of inculcating social values among the student Volunteers.

TABLE 15
Budgetary allocation to NSS (in Rupees)

Head	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
NSS (Health/ Education/ Environment)	32,400/-	32,400/-	32,400/-	32,400/-	32,400/-



A number of programs have been initiated in the last four years. A few of them are mentioned as detailed below:

1. Awareness Campaign for water borne diseases in July 2011
- 2) Malaria Awareness Campaign in August 2011;
- 3) Distribution of HIV Bands in August 2011;
- 4) Peace Rally in August 2011, where volunteers were sensitized about the disaster in Hiroshima and Nagasaki;
- 5) Blood Donation Drive and Thalassemia check- up are a regular feature being conducted in August 2011 & 2012, in July and August 2013, February 2012, January 2013 & 2014.
- 6) Guru Purnima Celebrations, Independence Day Celebrations, Raksha Bandhan Celebrations, are all a regular feature;
- 7) Helping Mumbai Police and Traffic Police in maintaining Traffic Discipline during the festive seasons of Ganesh Chaturthi;
- 8) Making eco-friendly Ganapatis, Eye Donation Drive, Beach Cleaning Drive, Aids Awareness Drive, Tree Plantation Drive etc;
- 9) Our students were selected to perform street plays on drugs abuse by the Crime Branch- Narcotic Cell of Mumbai Police;
- 10) Our NSS students participated in 'SWACHATA – RBI Project in November 2014.

The Student Council of our college along with the NSS Unit had organized an Anti-Smoking Week in consultation with the college authorities. This included a Poster Competition, Street Play, Mock Parliament and Rally. Over 2000 students including students from all South Mumbai Colleges participated in the Rally. Its impact was such that the shops selling tobacco products in the vicinity of the college downed their shutters and

our students did not hesitate to stop people from smoking during the course of the Rally.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

Awareness is the stepping stone to encouragement. While a general notice is displayed and circulated among the students, the NSS Program Officers move from class to class to explain the aims, objectives and motto of NSS. This is followed by an Orientation Session. Earlier as per Ordinance 0.229A, ten grace marks in the aggregate at the annual examination are given to students who successfully complete the required conditions. This is applicable to NCC/NSS/ Sports and Cultural Activities. Under the new credit based system one credit point is added to the total Credit Grade (CG) in the result. The College Prospectus conveys this fact to the students seeking admission to the institution. This leads to healthy enrolment of students in NCC and NSS.

The objective of the NSS is development of personality of the students through community service. The motto of NSS, 'Not Me but You' emphasizes the understanding of the needs of the community in which they work.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under- privileged and vulnerable sections of society?

In an effort to sensitize the students to the needs of the weaker sections of society and impart a sense of charity a Donation Drive was conducted by the NSS Unit of the college, on 31st January 2012. The volunteers collected donations from the college



students in the form of clothes, toys, books etc.

In August 2012, volunteers collected unused medicines worth 3,000/ or more from their neighbors. These in turn were donated to Charitable Trusts.

In September 2012, Clothes Collection Drive was carried out for victims of Assam Riots. A Clothes Donation Drive was also organized I February 2013, where clothes were distributed among the street children in and around Chowpatty. Residential Camps were organized from 24th November to 30th November 2012 and 6th to 12th November 2013 in Shivbhakta Adivasi Ashramshala for the benefit of the tribal villagers.

The NSS Unit along with The College Women Development Cell organized a Talk on the issue of eve teasing. Posters on 'Save Girl Child' were prepared and displayed during the Program.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution comment on how they complement students' academic learning experience and specify the values and skills inculcated?

The objective of the extension activities is development of personality of the students through community service. This is best reflected in the motto of NSS, 'Not Me but You'. It emphasizes the understanding of the needs of the community in which they work. This implies:

Identification of the needs and problems of the community which may have their involvement:

- Development among themselves a sense of social and civic responsibility;
- Application of their knowledge to finding practical solutions to both individual and community problems;
- Development of competence, requiring group – living and sharing responsibilities;
- Gaining skills in mobilizing community participation;
- Acquisition of Leadership Qualities and Democratic Attitudes;
- Development of capacities for meeting emergencies and disasters and
- Practice of National Integration.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiative of the institution that encourages community participation in activities?

The college has always been encouraging communities to actively participate in extension activities. This is best illustrated by the events given below:

- a) To date four residential camps have been held at Wangni village, where the local youth were involved by our students in NSS activities;
- b) Students participate in social activities like, tree plantation, blood donation, thalassemia checking and environmental related issues;
- c) Anti-smoking Week celebrated to generate an awareness among the community about the ill-effects of smoking;
- d) Seminars, exhibitions, workshops are conducted on community related matters.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for workshop on various outreach and extension activities.

The NSS unit has organized various collaborative activities in association with the following social/ governmental bodies and NGOs:

- i) Nair Hospital;
- ii) Lions Club of Juhu;
- iii) Mumbai Police;



- iv) Mumbai District AIDS control Society;
- v) Hi-Tech Family Enrichment Foundation;
- vi) Yuvak Biradari;
- vii) Gandhi Sarvodaya Mandal;
- viii) Cancer Aid and Research Foundation;
- ix) Tata Memorial Hospital;
- x) Red Ribbon Club.

3.6.10 Give details of the Awards received by the institution for extension activities and/contributions to the social/community development during last four years. Our Volunteer Mr. Ankit Oswal was the Recipient of the best NSS Campaigner in Avhan Camp in 2012. Our student Ms. Mital Panchal was given the best Female NSS Volunteer Award at both the University and District Level for the academic year 2013-14.

3.7 Collaborations

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives – collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Some of the PhD. students who are also Professors, living in far off places and who have enrolled in our college are given the permission to conduct research in their own institutes. This helps in saving time, energy and money.

3.7.2 Provide details on the MOUs/collaborative arrangements (if any) with institutions of national importance /other universities/industries/Corporate (Corporate entities) etc and how they have contributed to the development of the institution.

NA

3.7.3 Give details (if any) on the industry – institution – community interactions that have contributed to the establishment / creation / up-gradation of academic facilities of the institution viz. laboratories/ library/ new technology/ placement services etc.

NA

3.7.4 Highlighting the names of eminent scientists/ participants who contributed to the events, provide details of national and international conferences organized by the college during the last few years

The College has organized a total of 2 National and 2 International Seminars since the academic year 2010-11 as detailed below:

- 1) An International Seminar on “Economics of Higher Education – Changing Role in the New Global Order” in September 2010. The said Seminar was inaugurated by the then Chief Minister of Maharashtra and our alumni Shri Ashokrao Chavan. Shri Jayantrao Patil, Hon Minister for Rural Development, Government of Maharashtra and Guardian Minister of Mumbai was the Guest of Honor. Eminent Academicians such as Dr. Kishore Kulkarni from the University of Denver, USA; Dr J Tilak, Dr. Vibhuti Patel, Dr Dolly Sunny, Dr Deshpande, Dr. J.D Patel actively participated in the Seminar.
- 2) An International Seminar on “Symbiosis between Academia and Corporate World A Step Forward was held in November 2012. Eminent Scientist and Padma Vibhushan Awardee Dr. Anil Kakodkar was the Chief Guest and Shri Jayantrao Patil was the Guest of Honor. The Seminar provided a platform for interaction of views and ideas between Leading Personalities like Dr. Ajit Ranade, Dr J Tilak, Dr Justin Paul from



University of Washington, USA, Dr. J Tilak, and fellow teacher participants and students. Hon Minister for Higher and Technical Education, Government of Maharashtra Shri Rajesh Tope was the Chief Guest at the Valedictory Function.

- 3) An UGC Sponsored National Seminar on “Higher Education A Directional Impetus” in September 2013. The Seminar was inaugurated by Renowned Educationist, Cardiologist, Vice Chancellor of Manipal University and Padma Bhushan Awardee Dr. B.M Hegde. Other dignitaries included Dr. Kulkarni from SITM Pune, Prof Mantri Principal NM College of Commerce and Economics Mumbai, and Prof Wankhede from Tata Institute of Social Sciences Mumbai.

Simultaneously an inter-collegiate Poster Competition was organized, on topics covering sub-themes of the Seminar. Cash Prizes were given to three winners. Students from different colleges in Mumbai participated in the Poster Competition and Seminar.

- 4) An UGC Sponsored National Level “CANTAA 2013” on environmental sciences was organized by the Botany and Zoology Departments of the college. Over 200 Delegates from all over the country participated in the Seminar. The Eminent Guest Speakers enlightened the large audience on topics related to aero-allergens and allergy. The Seminar covered various issues such as impact of air-borne allergies, pollen, spores, bio-pollutants, contamination of agricultural produce etc. The personalities included Dr. S.T Tilak, Dr. Jogdand, Dr. Abid Munshi, Dr. Ramchandra Rao, Dr. Rajan Velulkar and Dr. Rajpal Hande.

3.7.5 How many of the linkages/collaborations have actually resulted in formal MOUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

- | | |
|--|------|
| a) Curriculum development/enrichment | - NA |
| b) Internship/ On- the-job training | - NA |
| c) Summer placement | - NA |
| d) Faculty exchange and professional development | - NA |
| e) Research | - NA |
| f) Consultancy | - NA |
| g) Extension | - NA |
| h) Publication | - NA |
| i) Student Placement | - NA |
| j) Programs | - NA |
| k) Introduction of new courses | |
| a) Mcom (Management); | |
| b) M.Sc. by Research in Chemistry & Zoology; and | |
| c) PhD in Chemistry. | |
| l) Student exchange | - NA |
| m) Any other | - NA |

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations - NA

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include

- 1) The college has made significant improvements in Research based activities ever since the first Peer Team visit in February 2004. This is detailed below:
- a) Two Research laboratories are operational namely The Chemistry Research Lab



- and the Zoology Research Lab;
- b) While Dr. SV Rathod is a recognized Ph.D. Guide, several of our teachers are recognized Post Graduate Teachers;
- c) Dr. Rathod has applied for 16 Patents, Dr. Shantaj Deshbhratar, on the other hand has applied for 1;
- d) Many of our teachers have been invited as Resource Persons, to deliver guest lectures and to orient the students by other colleges in the University;
- e) Our teaching staff have presented papers at conferences and have several publications to their credit;
- f) Minor and Major Research Projects have been and are increasingly been undertaken;
- g) The college has successfully organized two international, three national level and one state level seminars to date.
- h) Ms. Mital Panchal of TYBCom was the recipient of the Best NSS Volunteer Award at the both the district and state level for the academic year 2013-14

Annexure 1.

*Patents obtained and filed (process and product)

Sr. No.	Title of the patent	Name	Reg. No.	Year
1	A Novel process for preparing macrocyclic and macrocyclic aromatic compounds	Dr. S. Rathod	2377/MUM/2010	2010
2	Microwave assisted synthesis of 4-alkylcalix (n) arenes in presence of base		3469/MUM/2010	2010
3	Synthesis of 4-alkylcalix (n) arenes in presence of alumina supported KF under microwave irradiation		3470/MUM/2010	2010
4	Synthesis of 4-tertbutyl calix (n) arenes having phenyl substituent/substituted phenyl on methylene BRI		3471/MUM/2010	2010
5	Microwave enhanced synthesis of 4-4-tertbutyl calix(n) arenes having phenyl substituent/substituted PHEN		3472/MUM/2010	2010
6	Microwave assisted synthesis of 4- 4-tertbutyl calix (n) arenes having phenyl substituents on methylene BR		3473/MUM/2010	2010
7	A novel process for preparing 1,5-cyclooctadienes derivatives		2212/MUM/2010	2010
8	Process for the preparation of active pharmaceutical drug. intermediates.		362/MUM/2011	2011
9	A high-throughput process for the preparation of valsartan and its intermediates		371/MUM/2011	2011
10	Process for the preparation of valsartan and			



	its intermediates	372/MUM/2011	2011
11	A process for the Synthesis of copper (II) perchlorate Schiff's base complex from 4-Bromo-(2-carboxyphenyl)-pyridine-2-yl ethylene amine and 2,2'-Bipyridine and its antibreast cancer activity	1893/MUM/2014	2014
12	A process for the Synthesis of Copper(II) perchlorate Schiff's base complex using 4-Nitro-(2-carboxyphenyl)-pyridine-2-yl ethylene amine and 1,10-Phenanthroline as ligands and its antibreast cancer activity.	1894/MUM/2014	2014
13	A process for the Synthesis of copper (II) perchlorate Schiff's base complex from 4-Bromo-(2-carboxyphenyl)-pyridine-2-yl ethylene amine and 2,2'-Bipyridine and its antibreast cancer activity	1896/MUM/2014	2014
14	A process for the Synthesis of copper (II) tetrafluoroborate Schiff's base complex using 4-Bromo-(2-carboxyphenyl)-pyridine-2-yl ethylene amine and 1,10-Phenanthroline as ligand and its antibreast cancer activity	1954/MUM/2014	2014
15	A process for the Synthesis of Copper(II) tetrafluoroborate Schiff's base complex of 4-Nitro-(2-carboxyphenyl)-pyridine-2-yl ethylene amine and of 1,10-Phenanthroline as ligands and its antibreast cancer activity	1955/MUM/2014	2014
16	A process for the Synthesis of Zinc (II) tetra fluoro borat Schiff's base complex using 4-Bromo-(2-carboxyphenyl)-pyridine-2-yl ethylene amine and 1,10-Phenanthroline as ligands and its antibreast cancer activity	1956/MUM/2014	2014
17	A method of preparation of ZnO nanoparticles by co-precipitation method using black Tiger Prawns (<i>Penaeus monodon</i>) extract Dr. Shantaj Deshbhratar	2422/MUM/2013	2013

Annexure-2

RESEARCH PUBLICATIONS

- (1) **Dr. (Mrs.) Medha Gupte (I/c Principal) Department of Economics**
International Level Publications:
- 1) 'Corporate Social Responsibility And Higher Education With Special Reference To India', dated 21st – 22nd November 2012, for the International Seminar on ‘Symbiosis between Academia and Corporate World – A Step Forward’, published by Hind Yugm, New Delhi 32 with ISBN No. 978-93-81394-40-3
 - 2) 'India is the Fastest Growing Economy – A Myth or a Reality', dated 5 May 2014, published by the International Journal of Research in Humanities, Arts and Literature, IMPACT JOURNAL (IMPACT: IJRHAL); ISSN (Online): 2321-8878 with 1.3648



Impact factor

- 3) 'The concept of Reverse Brain Drain and its relevance to India' dated January 2014, published by Abhinav International Monthly Referred Journal of Research Management & Technology 2320-0073 with 0.0812 (2012) IMPACT FACTOR
 - 4) 'Employability of Indian Educated Youth', dated June 2014, published by Humanities and Social Science Studies from Academy of Social Sciences, Vol. 3 (2)
 - 5) 'Corporate Social Responsibility and its Application to Higher Education in India', dated 22nd March 2014, published by Abhinav-International Monthly Refereed Journal of Research in Management & Technology
 - 6) 'Indian Higher Education under Gats and Globalization', published by International journal (International Journal of Educational Science and Research; ISSN (Print): 2249-6947; E-ISSN: 2249-8052; Impact Factor (JCC): 3.9678; IC value (Index Copernicus): 3.0
 - 7) 'Vulnerability of the Indian Rupee Impact on The Present And Implications For The Future' Published By Humanities And Social Science Studies,
 - 8) 'Financing Of Indian Higher Education- With Special Reference to Five Year Plans' published by Indian Journal of Management National Level Publications:
 - 1) 'Brain drain Reversal in India', dated 11th-12th September 2013, published by Excel India Publisher, New Delhi for UGC Sponsored National Seminar on 'Higher Education- A Directional Impetus
 - 2) 'Ph.D. Thesis Abstract Indian Higher Education under the GATS Umbrella with special reference to Mumbai and SNDT Women's University (1995-2005)' dated 1, January 2014, Journal of Educational Planning and Administration Volume XXVIII
 - 3) 'Impact of Liberalization and Globalization on India's Economic and Social Development', dated 12-13 April 2014, published by UGC Sponsored National Conference on 'Impact of Liberalization, Privatization, Globalization on Socio-economic Development in India' at Vinayakrao Patil Mahavidyalaya, Aurangabad
 - 4) 'Gender Bias in India and Its Relevance to Higher Education', dated Jan-Jun. 2014, published by "Indian Journal of Millennium Development Studies" from Serials Publication
 - 5) 'Global Economic Crisis and Its Impact on the Industrial and Service Sectors in India', published by National Seminar on Economic Slowdown and Challenges before Indian Economy, Organized By Gokhale College, Borivali, Mumbai On Economic Slowdown And Challenges Before Indian Economy
- Seminar Conferences Organized:
- a) A State Level Seminar on "Maharashtra Facing the Sahyadrian Challenge to Prosperity" in 2005;
 - b) A National Level Seminar on "Global Reins in India's Hands by 2020" in September 2006
 - c) An International Seminar on "Economics of Higher Education Changing Role in the New Global Order" in September 2010;
 - d) An International Seminar on "Symbiosis between Academia and Corporate World – A Step Forward" in November 2012;
 - e) An UGC Sponsored National Seminar on "Higher Education – A Directional Impetus" in September 2013.
- Books Published:
- 1) Advanced Economic Theory, for TYBA Semester V for University of Mumbai, published by Himalaya Publication, India (2014)
 - 2) Chief Editor of Publication with ISBN Number on "Symbiosis of Academia and Corporate World" on the occasion of the International Seminar of Bhavan's College Chowpatty, November 2012



- 3) Chief Editor with ISBN Number on "Higher Education – A Directional Impetus" on the occasion of the UGC sponsored National Seminar organized by Bhavan's College, Chowpatty, in September 2013
- 2) **Dr. (Mrs.) Veena Joshi (Department of Physics)**
1. "A structural electrical and magnetic study of Li-Ti substituted soft barium hexa ferrite" National Seminar on recent trends in physics-2010 (NSRTRIP-2010), December (2010).
 2. "Synthesis and Magnetic properties of Ba_{0.5} (Li-Fe) 0.25TiO₃ perovskite" UGC sponsored National conference on Recent trends in Material Research, January (2011).
 3. "Phase Transformation in new Barium substituted spinels and Investigation of dielectric and magnetic variation" UGC sponsored National conference on Recent trends in Material Research, January (2011).
 4. "Corporate social responsibility and higher education" at International conference Symbiosis between academician and corporate world-a step forward organized by Bhavans H. Somani College, Mumbai, on 21st-22nd November, 2012.
 5. "Reverse Brain Drain in Indian Perspective", proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 82.(ISBN: 978-93-82880-56-1)
 6. "Monitoring quality in higher education using teacher evaluation", proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 126.(ISBN: 978-93-82880-56-1)
- List of publications in National/International Journals:
1. The effect of Dopants on Soft Barium Hexaferrite, Indian J. Pure and Applied Physics, (2009).
 2. Effect of phases of TiO₂ and Li as substituents on BaFe₁₂O₁₉-a comparative study, Int. J. Chem and Phy Sci., special issue, 49-55, 2014 (ISSN2319-6602).
- 3) **Dr. S. V. Rathod (Department of Chemistry)**
1. A new synthesis of 1,5 cyclooctadienes by a domino reaction by Dr. S.V Rathod & M.M.V Ramana, State level UGC sponsored conference-Recent advances in chemistry held on 19th-20th February- 2010 at kalina campus of university of Mumbai, Mumbai.
 2. Oxidative fragmentation of 1,5-cyclooctadiene derivatives:-A new entry into 16-and 20-membered macro cycles paper presented by S.V.Rathod & M.M.V.Ramana in 17th international conference on Expanding Horizons in Chemical and Biological sciences: Innovations crossroads (ISCBC-2012)21st-24th January, 2012.
 3. Oxidative fragmentation of 1,5-cyclooctadienederivative:a new entry into 14-membered macrocycle related to cembranoid group of diterpenoi by S. V. Rathod & M. M. V.Ramana in 99th Indian Science Congress-2012 at Bhubaneswar.
 4. Synthesis characterization and anticancer activity of 2-Methyl-3-(1-pyridin-2-ylethylamino)-(3H)-one, schiffs Base Ligand, 1, 10 Phenanthroliene and its copper (II) complexes by Smita Giri and Shrimant V.Rathod at International symposium on Chemistry and Chemical Biology of Natural Product at Hyderabad during 2nd to 4th August 2012.
 5. Empowerment and Higher Education by Smita Giri and Shrimant V.Rathod at International conference Symbiosis between academician and corporate world-a step forward organized by Bhavans H. Somani College, Mumbai, on 21st-22nd November 2012.
 6. Glimpses of Impact of higher education on middle class working women by Smita Giri, Shrimant V. Rathod at International conference Symbiosis between academician and corporate world-a step forward organized by Bhavans H. Somani



- College, Mumbai, on 21st -22nd November 2012.
7. ESR, Spectral and Antimicrobial study of copper (II) chloride complex of 2-methyl-3-(1-pyridine-2-yl-ethylideneamino)-3h-quinazolin-4-one schiffs base mixed with 1,10-phenanthroline by Smita Giri, Shrimant V. Rathod at 4th Interdisciplinary Symposium on Materials Chemistry ISMC-2012.
 8. Biosorption of copper (II) from aqueous solution by corn cobs, by Sandip D. Maind, Shrimant V. Rathod and Satish A. Bhalerao, proc. International Conference-IIInd World Congress for Man & Nature-2012 (WCMANU) on Global change: Impact on biodiversity, culture & technology, Nagpur (Maharashtra), November (2012), page 33.
 9. Phytochemical analysis of Mithi Patti (*Scoparia dulcis* Linn.) by Shrimant V. Rathod, Sandip D. Maind and Smita Giri, proc. UGC-SAP, DST-PURSE Sponsored National Conference on "Challenges and Opportunities in Life sciences (COLS-2013)" February (2013), page 90.
 10. Phytochemical and Ethanobotanical study of karanj (*Pongamia Pinnate kijelia*) by Smita Giri, Shrimant V. Rathod and Sandip D. Maind, proc. UGC-SAP, DST-PURSE Sponsored National Conference on "Challenges and Opportunities in Life sciences (COLS-2013)" February (2013), page 28.
 11. An eco-friendly technology for removal of copper (II) ions from aqueous solutions using mosses (*Semibarbula orientalis* (web.) Wijk. & Marg.) : Studies on adsorption isotherms by Sandip D. Maind, Shrimant V. Rathod, Suraj P. Gajbhiye, Vijay K. Hile and Satish A. Bhalerao, proc. 1st International Conference on Prospects & Challenges in Biotechnology & Printing and Packing Industry (Biopack)-2013 Navi Mumbai (Maharashtra), February-March (2013), page 51.
 12. Kinetic modeling and thermodynamic studies on biosorption of iron (II) ions from aqueous solutions by corn cobs (*Zea mays* Linn.) for industrial waste water management strategy by Sandip D. Maind, Shrimant V. Rathod, Smita Giri and Satish A. Bhalerao, proc. 1st International Conference on Prospects & Challenges in Biotechnology & Printing and Packing Industry (Biopack)-2013 Navi Mumbai (Maharashtra), February-March (2013), page 52.
 13. Biosorption of heavy metals (Cu(II), Fe(II) and Zn(II)) from aqueous solution using plant waste material: equilibrium and kinetic studies by Shrimant V. Rathod and Sandip D. Maind, proc. 1st Minor Research Project Evaluation Meet-2013, Mumbai (Maharashtra) March (2013), Project No. Chemistry-117.
 14. Employability of Indian Youth: A positive scenario towards developing India! 'Net Survey' by Smita S. Giri, Shrimant V. Rathod, Sandip D. Maind and R. N. Pattanshetti, proc. UGC sponsored National Seminar on Higher Education- A directional impetus - 2013, Mumbai (Maharashtra), September (2013), page 47-51. (ISBN: 978-93-82880-56-1)
 15. Red carpet for Intellectuals from India- a travel from brain drain to brain gains for brain circulation by Smita Giri, Shrimant V. Rathod, Chitra Rajurkar and Sadanand Chitanis, proc. UGC sponsored National Seminar on Higher Education- A directional impetus - 2013, Mumbai (Maharashtra), September (2013), (ISBN:978-93-82880-56-1)
 16. Quality of higher education in India effect of invisible factors controlling the quality of teaching” organized by R.N Pattanshetti, Suman Buwa, Shrimant V. Rathod and Smita Giri, proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), (ISBN:978-93-82880-56-1)
 17. Prevalence of allergic respiratory diseases due to climate change and air pollution in Sindhudurg district by Smita Giri, S. V. Rathod, Prashant Kulkarni, Asha Rokade and Sangita A. Jadhav at the UGC sponsored National conference on “Concepts and New Trends in Aerobiology and Allergy (CANTAA-2013) organized by Bhavans H. Somani College, Chowpatty, Mumbai, 29th and 30th November-2013.



18. First priority of India nanotechnology-Smart technology to overcome food allergies by providing food safety by Smita Giri S. V. Rathod, Prashant Kulkarni and Pratiksha P. Savant at the UGC sponsored National conference on "Concepts and New Trends in Aerobiology and Allergy (CANTAA-2013) organized by Bhavans H. Somani College, Chowpatty, Mumbai, 29th and 30th November-2013.
 19. Synthesis and antifungal studies of Cu(II) complexes of (2-carboxyphenyl)-Pyridine-2-yl ethylene amine and 4-Nitro-(2-carboxyphenyl)-Pyridine-2-yl ethylene amine by Smita S. Giri, Prashant D. Kulkarni, Shrimant V. Rathod and Sandip D. Maind, proc. 3rd International Science Congress on Innovation with Global Responsibility Coimbatore (Tamil Nadu), December (2013), page 124. (ISBN: 978-93-83520-24-4)
 20. Green Chemistry for sustainable development by Sandip D. Maind, Shrimant V. Rathod and Satish A. Bhalerao, proc. An international conference on Chemistry cutting edge: nano, green and beyond, Mumbai (Maharashtra), January (2014), page 97.
 21. Comparative study of microwave induced synthesis and characterization of biological active mixed ligand copper chloride complexes prepared by "(2-carboxyphenyl)-pyridine-2-ylethyleneamine and 1, 10-phenanthroline; 5-no2 -(2-carboxyphenyl)-pyridine-2-ylethyleneamine and 1, 10-phenanthroline!" by S.V.Rathod, Smita S.Giri, Prashant D. Kulkarni, proc. An international conference on Chemistry cutting edge: nano, green and beyond, Mumbai (Maharashtra), January (2014).
 22. Synthesis and anticancer studies of Cu (II) Complexes Of 4 - Halo-(2-carboxyphenyl)-pyridine-2-yl ethylene amine by Smita S. Giri, S.V.Rathod and A.B. Gadakari, International Conference on Advanced and Applied Material Science (ICAAMS-2014) organized by Shikshan Prasarak Mandal's Gopal Krishna Gokhale College, Kolhapur on 15th&16th January 2014.
 23. Planning for Sustainable water solutions, ground water management of Hassure Budruk village under Chikotrae dam area through equality principal : case study by Smita S. Giri and Shrimant V. Rathod in International Conference on Integrated Water, Wastewater and Isotope Hydrology Vol-1(IC-WWISH-2013) Organized by Civil Engineering Department, UVCE, Bangalore University, Bangalore on Jun 2013, (ISBN:978-93-5097-895-5).
- List of Publications in National/ International Journals:
3. Biosorption of copper (II) from aqueous solution by corn cobs by S. D. Maind, S. V. Rathod and S. A. Bhalerao, J. Biological and Physical sciences 1(4)(2012) 111-115. (ISSN: 2319-636X)
 4. Biosorption of copper (II) ions from aqueous solutions using moss (*Semibarbula orientalis* (web.) Wijk. & Marg.) by S. D. Maind, Shrimant V. Rathod, Suraj P. Gajbhiye, Vijay K. Hile and Satish A. Bhalerao, Int. J. Environ. Sci. 1(4)(2012) 402-414. (ISSN: 2249-2127)
 5. Batch adsorption studies on removal of Fe(II) ions from aqueous solutions by corn cobs (*Zea mays* Linn.) by S. D. Maind, Shrimant V. Rathod and S. A. Bhalerao, Int. J. Chem. 2(1)(2013) 136-148. (ISSN: 2249-2119)
 6. A short synthesis of 1,5-cyclooctadiene macrocycles by M. M. V. Ramana, Shrimant V. Rathod, M. S. Raje and M. Jaiswar, Journal of Chemical and Pharmaceutical Research, 2013, 5(4):138-142. (ISSN, 0975-7384, CODEN (USA): JCPRC5).
 7. A short synthesis of 1,5-cyclooctadiene macrocycles: A new entry in to 14- membered macrocycle M. M. V. Ramana, Shrimant V. Rathod, M. S. Raje and M. Jaiswar, Journal of Chemical and Pharmaceutical Research, 2013, 5(4):143-148. (ISSN, 0975-7384, CODEN (USA): JCPRC5).
 8. Synthesis, Spectral Characterization and Antimicrobial Studies of Copper (II) Complexes containing Mixed Ligands, Schiff bases and 1, 10-Phenanthroline by Smita S. Giri, Shrimant V. Rathod and Sandip D. Maind, Synthesis and Reactivity in Inorganic,



- Metal-Organic, and Nano-Metal Chemistry (under peer review).
9. Adsorption and desorption studies of cadmium (II) ions from aqueous solutions onto Tur pod (*Cajanus cajan*) by Shrimant V. Rathod, Sandip D. Maind, Haresh Pansare and Satish A. Bhalerao, *Bionano Frontier J.* (accepted). (ISSN: 0974-0678).
- (4) **Smt. P.A. Merchant (Department of Accountancy)**
1. "Componentization of assets-A new approach to Depreciation (IAS 16)" International Seminar on International financial reporting standards –challenges before Indian Accountants and Companies, organized by Gogate Joglekar college, Ratnagiri, November (2010).
- (5) **Dr. Shantaj Deshbhratar (Department of Zoology)**
1. "Ultrastructural investigations on the interhaemal membrane of the micro chiropteran vespertilionid bat-*Scotophilus heathi* during varied stages of gestation" National symposium on Comparative Endocrinology and Reproductive Physiology: Current Advances, organized by Institute of science, Mumbai, December (2009).
 2. "Ultrastructure of placenta in the thyropteridac bat, *Tylonycteris pachypus*" National symposium on Comparative Endocrinology and Reproductive Physiology: Current Advances, organized by Institute of science, Mumbai, December (2009).
 3. "Electron-microscopic studies on the development of interhaemal membrane of the Vespertilionid bat *Scotophilus heathi* during early and full term stages of Pregnancy" UGC sponsored Seminar on Recent trends and Innovations in Zoology, C.K.T. College, New Panvel, December (2010).
 4. "Comparative fine structure of Lactotrophs in some mammals during late pregnancy" UGC sponsored Seminar on Recent trends and Innovations in Zoology, C.K.T. College, New Panvel, December (2010).
 5. "Effect of Steroid combinations on the body weight and weight of epididymis in male rats" UGC sponsored Seminar on Recent trends and Innovations in Zoology, C.K.T. College, New Panvel, December (2010).
 6. "Elaborative electro-microscopic studies on the interhaemal membrane of the short-nosed fruit bat *Cynopterus sphinx gangeticus* during early and full term stages of pregnancy" UGC sponsored National Conference on current trends in Biological sciences, R.K.T. College, Mumbai, January (2011).
 7. "A comparative account of electro microscopic studies on the interhaemal membrane at different developing stages in the Micro chiropteran vespertilionid bat, *scotophilus heathi* and mega-chiropteran Pteropodidae bat, *Cynopterus Sphinx gangeticus*" UGC sponsored National Seminar: Vision-2025-Technological developments in Biological sciences, Patkar-Varde College, January (2011).
 8. "Effect of anti-cancer drug Etoposide (VP-16) on the male reproductive organs of the male white rat, UGC sponsored International symposium on Current Trends in Endocrine and Reproductive Health, Mysore University, Mysore, February (2011).
 9. "Effect of Gossypol on male rats (Albino Wistar) Body weight, Epididymis weight and ultra-structure of epididymis" UGC sponsored International symposium on Current Trends in Endocrine and Reproductive Health, Mysore University, Mysore, February (2011).
 10. "Ultra - structural revelations on the interhemal membrane of the Mega-chiropteran. Pterodidae bat, *Cynopterus-sphinx gangetics* during different stages of development" UGC sponsored International symposium on Current Trends in Endocrine and Reproductive Health, Mysore University, Mysore, February (2011).
 11. "Studies of the influence of Sildenafil citrate on the reproductive organs of the male albino rat" UGC sponsored International symposium on Current Trends in Endocrine and Reproductive Health, Mysore University, Mysore, February (2011).



12. "Ultrastructure of yolk-sac of term pregnancy in Mega and Micro-chiropteran species: A Comparative study" UGC sponsored International symposium on Current Trends in Endocrine and Reproductive Health, Mysore University, Mysore, February (2011).
13. "Amphibian and Reptilian Diversity of Phansad Wildlife Sanctuary: A report" UGC sponsored National Conference on Synergy of Biosciences at New Era Birla College, Mumbai, February (2011).
14. "The Innate and Intuitive sense of Sudden Climate Changes and Natural Disasters as Observed in the Indian flying Fox, *Pteropus giganteus*" International Conference on Sustainable Environment: Eco revolution 2011, Aurangabad, February (2011).
15. "Roost Composition and Fidelity in Indian Flying Fox-*Pteropus giganteus* –in Riparian Ecosystem of Mahad, Maharashtra" National Conference on A review on Indian Biodiversity and its Conservation at Parbhani, December (2011).
16. "Analysis of certain parameters of the waters of Nirmal Sarovar (Lake) Vasai, Thane, Maharashtra" International Conference, organized by NAAS, Mumbai, September (2012).
17. "Present investigation on a few specific parameters of Nirmal Lake water, Vasai, Maharashtra, India" 2nd International science Congress (ISC-2012), Vrindavan, December (2012).
18. "Analysis of certain selected parameters of the waters of Kala Talao, Kalyan, Maharashtra, India, International Conference SWRDM-2012 at Shivaji university Kolhapur, December (2012).

List of publications in National/International Journals:

1. Present investigation on a few specific parameters of Nirmal Lake water, Vasai, Maharashtra, India, Research J. Recent Sciences (2012), (ISSN 2277-2502).
2. Creatures of Night, Bionano frontier (2012)

(6) Dr. V.K. Hile (Department of Botany)

1. "Analysis of certain select parameters of the waters of Kala Talao, Kalyan, Maharashtra, India, International Conference SWRDM-2012 at Shivaji university Kolhapur, December (2012).
2. "Present investigation on a few specific parameters of Nirmal Lake water, Vasai, Maharashtra, India, 2nd International science Congress (ISC-2012), Vrindavan, December (2012).

List of publications in National/International Journals:

1. *Garceckea Phascooides* from Thal Ghat in the western Ghats, Indian J. Applied and Pure Biology Vol 24, (2009).
2. Biosorption of copper (II) ions from aqueous solution by moss (*Semibarbula orientalis*) (web) Wijk and Marg. J. Environmental Sciences Vol 1 (4) (2012), 408-420 (ISSN 2249-2127).
3. Present investigation on a few specific parameters of Nirmal Lake water, Vasai, Maharashtra, India, Research J. Recent Sciences (2012), (ISSN 2277-2502).
4. Assessment of biodeteriogens of intramural environment of Kanheri Caves by Satnam Sing Sohal, S.A. Bhalerao and V.K. Hile, Int. J. of Life Sciences, Special Issue A(1)(2013) 1-4. (ISSN: 2320-7817)
5. Recent studies on the biodiversity of snakes in Palghar region, Thane, Maharashtra, India by S.R. Raut, S.M. Deshbhratar, J.A. Mahaley, V.K. Hile, A.J. Singh and G. Mehta, Advances in Applied Science Research, 5 (2), 373-381, 2014 (ISSN: 0976-8610)

(7) Smt. Veena Shinde-Deore (Department of Mathematics)

1. "Prime Labeling and Sequential Labeling of Corona graph $C_n * K$," National Seminar on Aspects of Mathematics, organized by Jhunjunwala College, Ghatkopar, Mumbai, December (2012).
2. "H-cordial Labeling and Even- vertex Graceful Labeling of Coronagraph $C_n * K$," International Conference, organized by V.V.P. engineering College, Rajkot, Gujarat, December (2012).
3. Game Theoretical approach to Oligopoly: Two person zero-sum Game, Saddle Point and



Mixed strategies” Proc. UGC sponsored national seminar on A mathematical and advanced approach to microeconomics: demand analysis and market structure, (2012).

List of publications in National/International Journals:

1. Application of ICT in Higher Education-a Case Study, J. Shishan-Samvedan (2012) 34-39. (ISSN 2248-972).
 2. Flow-chart and pictorial representation of proof of minimal 2-equitability of Corona Graph $C_{2n} \circ K$,” J. Entire Research vol 4 (4) (2012) 17-25. (ISSN 0975-5020).
 3. Odd Graceful Labeling of Corona Graph $C_n * K$,” Int. J. IJERT vol 1 (8) (2012). (ISSN 2278-0181).
 4. Number theory application in the Gregorian calendar, J. Entire Research vol 5 (2) (2013) 9-12. (ISSN 0975-5020).
 5. Two labeling techniques of Corona Graph $C_n * K$,” Int. J. IJCA vol 64 (12) (2013) 10-13. (ISSN 0975-8887).
- (8) Smt. Manjusha Patwardhan (Department of Sociology)**
1. “The impact of Urbanization on the Institution of Family in India” National Seminar on Impact of Urbanization in India, organized by K.M. Agrawal College, January (2011).
 2. “Impact of Facebook Use on the Psychosocial Well-being of College Students” National Seminar on The role of computer-mediated Communication in Higher Education at Acharya College, Mumbai, December (2011).
 3. “Empowerment of Women –Myth or Reality?” International Seminar on Symbiosis between Academia and the corporate world Organized by Bhavans H. Somani Mumbai, November (2012).
 4. “Downtrodden amongst the Downtrodden Women from Lower Castes” International Conference of Management and Behavioral Sciences (SMBS), Ahmedabad, Gujarat, December (2012).
 5. “Are the Humanities and social sciences dying”, proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 111. (ISBN: 978-93-82880-56-1)
 6. “Portrayal of women in Hindi Cinema””, proc. ICSSR sponsored National Seminar on 100 years of Indian cinema- issues and challenges in retrospection (socio-philosophical perspective), Mumbai (Maharashtra), July (2013), page 111. (ISBN-13 No.978-81-925489-2-0)
- (9) Smt. Priya Mital (Department of Political Science)**
1. “C.S.R. and Primary Education in India” National Seminar on Contextualizing Contours of C.S.R. in a Globalized World, organized by the Faculty of Social work, M.S. University of Baroda, February (2011).
 2. “Higher education and corporate social responsibility: partnership Approach to Address social challenges”, proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 203. (ISBN: 978-93-82880-56-1)
- (10) Smt. Varsha Sonawane (Department of Commerce)**
1. “The impact of Urbanization on the Service Sector” National Seminar on Impact of Urbanization in India, organized by K.M. Agrawal College, January (2011).
 2. “The role of the Public Sector in Globalization” National Seminar, organized by K.B. college, January (2011).
 3. “Developmental role of Public Sector Telephony in India” National Conference on Case Studies and Recent trends in Commerce and Management, organized by All India Social Sciences Research association and Sir M. Visvesvaraya Institute of Management Studies and Research, August (2011).
 4. “Application of ICT in Higher education-A Case Study” International Conference on Emerging Issues and Challenges in Higher Education at J.J.T. University Campus, Rajasthan, November (2011).



5. "Reforms in the Dairy Sector" National Seminar on The Impact of Sectorial Reforms on Trade Commerce and Industry, organized by K.M. Agarwal College, Mumbai, March (2012).
6. Indian Dairy in the World Economic Order" International Seminar on International Economics and Cultural Relations of India, organized by K.M. Agarwal College, Mumbai, March (2012).
7. "Quality of Service of Public Transport in Maharashtra state –A study of MSRTS" 65th all India conference of the Indian Commerce association, organized by K.P.B. Hinduja College of Commerce and Economics, November (2012).
8. "Rising Consumerism in Higher Education" International Seminar on Symbiosis between Academia and the corporate world organized by Bhavans H. Somani Mumbai, November (2012).
9. Changing trends of Advertising in Web-Media" International conference on Global Perspective of Hindi, organized by K.M. Agrawal College, January (2013).

List of publications in National/International Journals:

1. Developmental role of Public Sector Telephony in India, Alchemy in Social Science Research, (2011) (ISBN No. 978-93-81361-34-4).
2. Operational Performance of Maharashtra State Road Transport Corporation (MSRTC), Research Dimension, vol (2), (2011) (ISSN No. 0976-8564).
3. A Study of Financial Soundness of Mahananda Dairy Mumbai, Research Horizons, vol (2), (2012).
4. Emotional Proposition: Effective Mantra for Wooing Consumers, Global J. Finance and Management, vol (4) (3), (2012).

(11) Shri. Suraj Gajbhiye (Department of Botany)

1. "Ashoka (*Saraca indica* L) An excellent medicinal herb" National Conference on the role of chemistry in human health and diseases, organized by Mithibai College, Mumbai, January (2011).
2. "Mycoremediation: Recent Developments and Commercial status" National Symposium on Environmental Innovations for Resource Sustainability, organized by the School of Environmental and Earth Sciences, North Maharashtra University, Jalgaon, January (2011).
3. "Mobile Phone Radiation and Human Health" International Congress of Environmental Research at S.V.N.I.T Surat, December (2011).
4. Assessment of physico-chemical characteristics of industrial waste water from Thane-Belapur MIDC area, Maharashtra, India by Suraj P. Gajbhiye, Sandip D. Maind and Satish. A. Bhalerao, proc. International Conference-IInd World Congress for Man & Nature-2012 (WCMANU) on Global change: Impact on biodiversity, culture & technology, Nagpur (Maharashtra), November (2012), page 32.
5. Seasonal study of physico-chemical parameters of industrial waste water from Thane-Belapur MIDC area, Maharashtra, India by Suraj P. Gajbhiye, Sandip D. maind and Satish A. Bhalerao, proc. 1st International Conference on Prospects & Challenges in Biotechnology & Printing and Packing Industry (Biopack)-2013 Navi Mumbai (Maharashtra), February-March (2013), page 40.

List of publications in National/International Journals:

1. Biosorption of copper (II) ions from aqueous solution by moss (*Semibarbula orientalis*) (web) Wijk and Marg. J. Environmental Sciences, vol 1 (4) (2012), 408-420 (ISSN 2249-2127).
2. *Nyctanthes arbor-tristis* A Herbal Panacea, International J. Pharmaceutical science and Research, vol 3 (8) (2012), 1000-1008 (ISSN 0975-8232).
3. Seasonal variations of physico-chemical profile of industrial waste water from Thane-Belapur MIDC area, Maharashtra State, India by S. G. Gajbhiye, S. D. Maind and S. A. Bhalerao, Int. J. Biotech. Chem. & Environ. Eng. 2(1) (2013) 20-26. (ISSN: 2278-0696)
4. Sensor technology for environmental monitoring: an overview by Jagruti N. Jadhav, Sandip D.



Maind, Suraj P. Gajbhiye and Satish A. Bhalerao, Int. J. of Life Sciences, Special Issue A(1)(2013) 108-114. (ISSN: 2320-7817)

(12) Dr. Sandip Maind (Department of Chemistry)

List of Publications in National/International Conferences:

1. Biosorption of copper (II) from aqueous solution by corn cobs, by Sandip D. Maind, Shrimant V. Rathod and Satish A. Bhalerao, proc. International Conference-IInd World Congress for Man & Nature-2012 (WCMANU) on Global change: Impact on biodiversity, culture & technology, Nagpur (Maharashtra), November (2012), page 33.
2. Assessment of physico-chemical characteristics of industrial waste water from Thane-Belapur MIDC area, Maharashtra, India by Suraj P. Gajbhiye, Sandip D. Maind and Satish A. Bhalerao, proc. International Conference-IInd World Congress for Man & Nature-2012 (WCMANU) on Global change: Impact on biodiversity, culture & technology, Nagpur (Maharashtra), November (2012), page 32.
3. Phytochemical analysis of Mithi Patti (*Scoparia dulcis* Linn.) by Shrimant V. Rathod, Sandip D. Maind and Smita Giri, proc. UGC-SAP, DST-PURSE Sponsored National Conference on "Challenges and Opportunities in Life sciences (COLS-2013)" February (2013), page 90.
4. Phytochemical and Ethanobotanical study of karanj (*Pongamia Pinnate kijelia*) by Smita Giri, Shrimant V. Rathod and Sandip D. Maind, proc. UGC-SAP, DST-PURSE Sponsored National Conference on "Challenges and Opportunities in Life sciences (COLS-2013)" February (2013), page 28.
5. An eco-friendly technology for removal of copper (II) ions from aqueous solutions using mosses (*Semibarbula orientalis* (web.) Wijk. & Marg.) : Studies on adsorption isotherms by Sandip D. Maind, Shrimant V. Rathod, Suraj P. Gajbhiye, Vijay K. Hile and Satish A. Bhalerao, proc. 1st International Conference on Prospects & Challenges in Biotechnology & Printing and Packing Industry (Biopack)-2013 Navi Mumbai (Maharashtra), February-March (2013), page 51.
6. Kinetic modeling and thermodynamic studies on biosorption of iron (II) ions from aqueous solutions by corn cobs (*Zea mays* Linn.) for industrial waste water management strategy by Sandip D. maind, Shrimant V. Rathod, Smita Giri and Satish A. Bhalerao, proc. 1st International Conference on Prospects & Challenges in Biotechnology & Printing and Packing Industry (Biopack)-2013 Navi Mumbai (Maharashtra), February-March (2013), page 52.
7. Seasonal study of physico-chemical parameters of industrial waste water from Thane-Belapur MIDC area, Maharashtra, India by Suraj P. Gajbhiye, Sandip D. maind and Satish A. Bhalerao, proc. 1st International Conference on Prospects & Challenges in Biotechnology & Printing and Packing Industry (Biopack)-2013 Navi Mumbai (Maharashtra), February-March (2013), page 40.
8. Biosorption of heavy metals (Cu(II), Fe(II) and Zn(II)) from aqueous solution using plant waste material: equilibrium and kinetic studies by Shrimant V. Rathod and Sandip D. Maind, proc. 1st Minor Research Project Evaluation Meet-2013, Mumbai (Maharashtra) March (2013), Project No. Chemistry-117.
9. Employability of Indian Youth: A positive scenario towards developing India! 'Net Survey' by Smita S. Giri, Shrimant V. Rathod, Sandip D. Maind and R. N. Pattanshetti, proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 47-51. (ISBN: 978-93-82880-56-1)
10. Sensor technology for environmental monitoring: an overview by Jagruti N. Jadhav, Sandip D. Maind and Satish A. Bhalerao, proc. UGC sponsored National conference on Concepts & New Trends in Aerobiology & Allergy (CANTAA-2013), Mumbai (Maharashtra), November (2013), page 70. (ISSN: 2320-7817)
11. Influence of atmospheric aerosols on health and environment by Amit S. Sharma, Sandip D. Maind, Jai Knox and Satish A. Bhalerao, proc. UGC sponsored National conference on



- Concepts & New Trends in Aerobiology & Allergy (CANTAA-2013), Mumbai (Maharashtra), November (2013), page 71. (ISSN: 2320-7817)
12. Health effects of particulate matter: a review by Anukthi C. Poojari, Sandip D. Maind and Satish A. Bhalerao, proc. UGC sponsored National conference on Concepts & New Trends in Aerobiology & Allergy (CANTAA-2013), Mumbai (Maharashtra), November (2013), page 84. (ISSN: 2320-7817)
 13. Green Chemistry: An important tool in achieving sustainability by Sandip D. Maind and Satish A. Bhalerao, proc. UGC sponsored National seminar on Green chemistry: A route to sustainable development, Mumbai (Maharashtra), December (2013), page 120-126. (ISBN: 978-81-925005-2-2)
 14. Synthesis and antifungal studies of Cu(II) complexes of (2-carboxyphenyl)-Pyridine-2-yl ethylene amine and 4-Nitro-(2-carboxyphenyl)-Pyridine-2-yl ethylene amine by Smita S. Giri, Prashant D. Kulkarni, Shrimant V. Rathod and Sandip D. Maind, proc. 3rd International Science Congress on Innovation with Global Responsibility Coimbatore (Tamil Nadu), December (2013), page 124. (ISBN: 978-93-83520-24-4)
 15. Green Chemistry for sustainable development by Sandip D. Maind, Shrimant V. Rathod and Satish A. Bhalerao, proc. An international conference on Chemistry cutting edge: nano, green and beyond, Mumbai (Maharashtra), January (2014), page 97.
 16. Micro-synthesis & catalytical study by Smita S. Giri, Shrimant V. Rathod, Sandip D. Maind and S. N. Gotpagar, proc. UGC sponsored National conference on Global warming (Climate change), Kadegaon, Sangli (Maharashtra), February (2014), page 127-131. (ISBN: 978-93-5156-228-3)

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1. Forensic application of total reflection X-ray fluorescence spectrometry for elemental characterization of ink samples by S. Dhara, N. L. Misra, S. D. Maind, S. A. Kumar, N. Chattopadhyay and S. K. Aggarwal, Spectrochimica, Acta Part B 65 (2010) 61-66. (Impact Factor: 2.876, ISSN: 0584-8547)
2. Assessment of physico-chemical characteristics of industrial waste water from Thane-Belapur MIDC area, Maharashtra, India by S. G. Gajbhiye, S. D. Maind and S. A. Bhalerao, Bionano Frontier J. 5(2-II) (2012) 43-46. (ISSN: 0974-0678)
3. Biosorption of copper (II) from aqueous solution by corn cobs by S. D. Maind, S. V. Rathod and S. A. Bhalerao, J. Biological and Physical sciences 1(4)(2012) 111-115. (ISSN: 2319-636X)
4. Assessment of physico-chemical characteristics of industrial waste water from Thane-Belapur MIDC area, Maharashtra, India, by S. G. Gajbhiye, S. D. Maind and S. A. Bhalerao, J. Biological and Physical sciences 1 (4)(2012) 107-110. (ISSN: 2319-636X)
5. Biosorption of copper (II) ions from aqueous solutions using moss (*Semibarbula orientalis* (web.) Wijk. & Marg.) by S. D. Maind, Shrimant V. Rathod, Suraj P. Gajbhiye, Vijay K. Hile and Satish A. Bhalerao, Int. J. Environ. Sci. 1(4)(2012) 402-414. (ISSN: 2249-2127)
6. Batch adsorption studies on removal of Fe (II) ions from aqueous solutions by corn cobs (*Zea mays* Linn.) by S. D. Maind, Shrimant V. Rathod and S. A. Bhalerao, Int. J. Chem. 2(1)(2013) 136-148. (ISSN: 2249-2119)
7. Seasonal variations of physico-chemical profile of industrial waste water from Thane-Belapur MIDC area, Maharashtra State, India by S. G. Gajbhiye, S. D. Maind and S. A. Bhalerao, Int. J. Biotech. Chem. & Environ. Eng. 2(1) (2013) 20-26. (ISSN: 2278-0696)
8. Sensor technology for environmental monitoring: an overview by Jagruti N. Jadhav, Sandip D. Maind, Suraj P. Gajbhiye and Satish A. Bhalerao, Int. J. of Life Sciences, Special Issue A(1)(2013) 108-114. (ISSN: 2320-7817)
9. Influence of atmospheric aerosols on health and environment-climate change by Amit S. Sharma, Sandip D. Maind, Tushar Kelkar, Jai Knox and Satish A. Bhalerao, Int. J. of Life Sciences, Special Issue A(1)(2013) 115-120. (ISSN: 2320-7817)
10. Health effects of particulate matter: a review by Anukthi C. Poojari, Sandip D. Maind and Satish



- A. Bhalerao, Int. J. of Life Sciences, Special Issue A(1)(2013) 144-150. (ISSN: 2320-7817)
11. Removal of Fe (II) ions from aqueous solutions using moss (*Semibarbula orientalis* (web.) Wijk. & Marg.) in a batch system by S. D. Maind and Satish A. Bhalerao, Int. J. Biotech. Chem. & Environ. Eng. 2(2) (2013) 26-35. (ISSN: 2278-0696)
 12. Adsorption and desorption studies of cadmium (II) ions from aqueous solutions onto Tur pod (*cajanus cajan*) by Shrimant V. Rathod, Sandip D. Maind, Haresh Pansare and Satish A. Bhalerao, Bionano Frontier J. (accepted). (ISSN: 0974-0678)
- (13) Kum. Reshma More (Department of Accountancy)**
1. "The impact of Urbanization on the Service Sector in India" National Seminar on Impact of Urbanization in India, organized by K.M. Agrawal College, January (2011).
 2. "The role of the Public Sector in Globalization with reference to Telecommunication" National Seminar, organized by K.B. college, January (2011).
 3. "Developmental role of Public Sector Telephony in India" National Conference on Case Studies and Recent trends in Commerce and Management, organized by All India Social Sciences Research association and Sir M. Visvesvaraya Institute of Management Studies and Research, August (2011).
 4. "Quality of Service of Public Transport in Maharashtra state –A study of MSRTS" 65th all India conference of the Indian Commerce association, organized by K.P.B. Hinduja College of Commerce and Economics, November (2012).
 5. "Rising Consumerism in Higher Education" International Seminar on Symbiosis between Academia and the corporate world, organised by Bhavans H. Somani Mumbai, November (2012).
 6. "Effect of Reforms in the Aviation Industry of India" National Seminar on Reforms in India, organized by H.M. college, (2012).
 7. "SWOT Analysis of Higher Education in India" proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), ISBN: 978-93-82880-56-1)
 8. "Implications of the policy in Multi-brand retail in India" National Conference on Foreign Direct Investment in India: opportunities and challenges-, Mumbai, January (2014).
 9. Role of Konkan Railway in Infrastructural development, National Conference on Recent trends in sectorial development and their impact on the Indian economy, Mumbai, February (2014) List of publications in National/International Journals:
 1. Developmental role of Public Sector Telephony in India, *Alchemy in Social Science Research*, (2011) (ISBN No. 978-93-81361-34-4).
 2. Operational reformance of Maharashtra State Road Transport Corporation (MSRTC), *Research Dimension*, vol (2), (2011) (ISSN No. 0976-8564).
 3. A study of quality services provided by MSRTC, *Global J. Management applications.*, vol (3), no 1 (2013) (ISSN No. 2249-345X).
 4. Case study-Financial performances Analysis of Konkan railway corporation, *Research Dimension*, vol (3), issue (4) (2013) (ISSN No. 0976-8564).
 5. A Case study-impact of tourism on socio-economic development of Alibaug area of Raigad district. *Research Dimension*, vol (4), (2013) (ISSN No. 0976-8564).
- (14) Smt. Rina Dhonde-Patel (Department of Psychology)**
1. "The impact of Urbanization on the Structure and Function on Urban Families of India" National Seminar on Impact of Urbanization in India, organized by K.M. Agrawal College, January (2011).
 2. "Impact of Facebook Use on the Psychosocial Well-being of College Students" National Seminar on The role of computer-mediated Communication in Higher Education at Acharya College, Mumbai, December (2011).
 3. "Role of Stakeholders: A Collaborative Approach in Ensuring Mental Health in Higher Education" UGC sponsored National Conference, organized by Gokhale Education Society's



College of Education and Research, Mumbai (2011).

4. "Work Longer, Live Better: Impact of active work and Social life on positive ageing" 26th National Conference on Marathi Manas Shastra Parishad, organised by Chetana's H. College, Mumbai (2011).
5. "Emotional Proposition: Effective Mantra for Wooing Consumers" International Conference on leadership in Business and management for Sustainable Global economy, organized by Krishti Sanskrit, IIT Delhi, November (2012).
6. "Life Kills without Life Skills-A Perspective on Life Skill Development for Positive Youth Development through Co-curricular activities in academic Institutions" 4th International conference on Life Skills, Education, organized jointly by Rajiv Gandhi National Institute for Youth Development, Department of Applied Psychology, University of Mumbai and Karmaveer Bhaurav Patil College, Mumbai, December (2012).
7. "Sports Psychology-an Emerging Field in the Indian Scenario" 6th International Conference on Management and Behavioral Science, December (2012).
8. "Psycho-social Impact of Faculty Crunch on Students in Higher Education with special Reference to Technical works" International Seminar on Symbiosis between Academia and the corporate world, organised by Bhavans H. Somani Mumbai, November (2012).

(15) Dr. (Smt.) Vaishali Dabke (Department of Sanskrit)

1. "Judiciary in Ancient India" National Seminar on Governance in Ancient India, organized jointly by the Department of Sanskrit, University of Mumbai and Observer Research Foundation, Mumbai at Ramakrishna Bajaj Bhavan, Mumbai, December (2010).
2. "Water Management in Kautilya Arthashastra" UGC sponsored state level seminar on water management, organized by R.K.T. College, Mumbai, August (2012).
3. "Use of pollen and various Dhupana and Lepana in Cosmetics in ancient India with special reference to Literature of Kalidasa" proc. UGC sponsored National conference on Concepts & New Trends in Aerobiology & Allergy (CANTAA-2013), Mumbai (Maharashtra), November (2013), page 25. (ISSN: 2320-7817)

(16) Shri. Ashok Ingale (Department of Physics)

1. "Effect of Bismuth doping on B-site on structure and dielectric properties of Barium Ferrous Niobate" proc, National Conference, Amravati, January (2010).
2. "Structure and dielectric nature of new perovskite Barium Ferrous Vanadate" proc, National Conference, Amravati, January (2010).
3. "Influence of Vanadium Doping on structure and dielectric properties of Barium Bismuth Niobate Ceramic" proc. National Conference, Amravati, January (2010).
4. "Influence of Vanadium Doping on structure and transport properties of Barium Bismuth Niobate Ceramic" proc. National Conference, Akola, February (2010).
5. "Effect of Bismuth doping on B-site on structure and transport properties of Barium Ferrous Niobate" proc. National Conference, Akola, February (2010).
6. "Effect of structural and dielectric properties of Barium Bismuth Niobium Vanadate Ceramic on replacement of Nb by V" Proc. National Conference on Recent trends in physics-2010, December (2010).
7. "Structure and dielectric properties of new perovskite Barium Bismuth Vanadate" proc. National Conference on Recent trends in physics-2010, December (2010).
8. Effect of Bismuth doping on B-site on the structure and dielectric properties of Barium Ferrous Niobate" proc. National Conference on Recent trends in physics-2010, December (2010).
9. Effect of vanadium doping on the structural and dielectric properties of Barium Bismuth Niobate" proc. National Conference on Recent trends in physics-2010, December (2010).
10. "Corporate social responsibility and higher education" at International conference Symbiosis between academician and corporate world-a step forward organized by Bhavans H. Somani College, Mumbai, on 21st -22nd November, 2012.
11. "Reverse Brain Drain in Indian Perspective", proc. UGC sponsored National Seminar on



Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 82.(ISBN: 978-93-82880-56-1)

12. "Monitoring quality in higher education using teacher evaluation", proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 126.(ISBN: 978-93-82880-56-1)

(17) Shri. Nitin Sardesai (Department of Physics)

1. "Corporate social responsibility and higher education" at International conference Symbiosis between academician and corporate world-a step forward organized by Bhavans H. Somani College, Mumbai, on 21st -22nd November, 2012.
2. "Reverse Brain Drain in Indian Perspective", proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 82.(ISBN: 978-93-82880-56-1)
3. "Monitoring quality in higher education using teacher evaluation", proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 126.(ISBN: 978-93-82880-56-1)

(18) Shri. Kiran Jadhav (Department of Economics)

1. "Bailout Packages in Indian Economy –Impact on the Future" Seminar on Economic Turmoil-agenda for the future, organised by the Department of Economics and Commerce, Birla College, Mumbai, January (2010).
2. "Global Economic Recession and its impact on empowerment in Indian Industries" National Seminar, organised by the Department of Economics of Sangamner Nagarpalika arts. D.J. malpani Commerce and B.N. Sarda Science College, Sangamner, February (2010).

(19) Dr. (Mrs.) Utkarsha Chavan (Department of Zoology)

1. "Comparative fine structure of Lactotrophs in some mammals during late pregnancy" UGC sponsored Seminar on Recent trends and Innovations in Zoology, C.K.T. College, New Panvel, December (2010).
2. "Electron-microscopic studies on the development of interhaemal membrane of the Vespertilionid bat *Scotophilus heathi* during early and full term stages of Pregnancy" UGC sponsored Seminar on Recent trends and Innovations in Zoology, C.K.T. College, New Panvel, December (2010).
3. "The Innate and Intuitive sense of Sudden Climate Changes and Natural Disasters as Observed in the Indian flying Fox, *Pteropus giganteus*" International Conference on Sustainable Environment: Eco revolution 2011, Aurangabad, February (2011).
4. "A comparative account of electro microscopic studies on the interhaemal membrane at different developing stages in the Micro chiropteran vespertilionid bat, *scotophilus heathi* and mega-chiropteran Pteropodidae bat, *Cynopterus Sphinx gangeticus*" UGC sponsored National Seminar: Vision-2025-Technological developments in Biological sciences, Patkar-Varde College, January (2011).
5. "Elaborative electro-microscopic studies on the interhaemal membrane of the short-nosed fruit bat *Cynopterus sphinx gangeticus* during early and full term stages of pregnancy" UGC sponsored National Conference on current trends in Biological sciences, R.K.T. College, Mumbai, January (2011).
6. "Ultra - structural revelations on the interhemal membrane of the Mega-chiropteran. Pterodidae bat, *Cynopterus-sphinx gangetics* during different stages of development" UGC sponsored International symposium on Current Trends in Endocrine and Reproductive Health, Mysore University, Mysore, February (2011).
7. "Roost Composition and Fidelity in Indian Flying Fox-*Pteropus giganteus* –in Riparian Ecosystem of Mahad, Maharashtra" National Conference on A review on Indian Biodiversity and its Conservation at Parbhani, December (2011).
8. Avifauna of the Riparian Zone of River Savitri at Mahad (Raigad)-A Preliminary Study, UGC sponsored National Seminar on Recent trends in Bioremediation and Biodiversity Conservation,



organized by S.R.M. College Kudal Maharashtra, March (2013).

9. "Use of pollen and various Dhupana and Lepana in Cosmetics in ancient India with special reference to Literature of Kalidasa" proc. UGC sponsored National conference on Concepts & New Trends in Aerobiology & Allergy (CANTAA-2013), Mumbai (Maharashtra), November (2013), page 25. (ISSN: 2320-7817)

List of publications in National/International Journals:

1. Creatures of Night, Bionano frontier (2012)

(20) Dr. (Kum.) Utpala Mody (Department of Philosophy)

1. "Shakti in Jain Philosophy" National seminar, organized by Sathaye college, February (2009).
2. "The concept of mind-The Jaina Perspective" International Seminar on Mind, Brain and Consciousness, organised by Vidya Prasardak Mandal's K.G. Joshi College of arts and N.G. Bedekar College of commerce, Thane, January (2010).
3. "Kolikar Sarvajna Acharya Hemachandraacharya-Trisastishalaka Purush Charitra", Seminar, organized by Shri. Mahavira Jaina Vidhyalaya, Ratlam, January (2010).
4. "Aparigraha: Panacea for the social IIIs of the Present-day World" International seminar, organized jointly by Jaina Academy Educational and Research Centre, The Department of Philosophy, University of Mumbai and K.J. Somaiya Centre for Jaina Studies, Mumbai, February (2010).
5. "Ahimsa, Anekantavade and Aparigraha-Panacea for the IIIs of the Present-day World" International conference on Jainism through the ages-a Historical Perspective, organized by the Directorate of Archaeology and Museums, Government of Karnataka, Mysore, October (2010).
6. "The Nature, Necessity and Rules of Sramansreni, suvraati or Religious Preacher which is a strong chain which links chaturvidha Sangh" Seminar organized by Saurashtra Kesari Pranaguru Jain Philosophical and literary Research centre, at Jain Sahitya Jnana Satra, Mumbai, December (2010).
7. "Yoga-An alternative means of medicine: Its philosophical Perspective" UGC sponsored Interdisciplinary National Seminar on Health Care in India-issues and challenges, organized by the Department of Economics, Philosophy and Sociology of Ramniranjan Jhunjunwala College, Ghatkopar, Mumbai, February (2011).
8. "Keval Jnana-Darshans Sarva Vyapita" Seminar, organised jointly by Shri. Rajasthan Svetamber Murlipujaka Jain Sangh, Thane, Shri. Rishabh Devji Maharaj Jain Temple and Trust and Shree Mahaveer Research Foundation Veeralayam, Pune, November (2012).
9. "Faculty Crunch and Higher Education" International Seminar on Symbiosis between Academia and the corporate world, Organised by Bhavans H. Somani Mumbai, November (2012).
10. "Jaina Raasa Sahitya-Kumarpal Rass" and Jain Patrakartra-Shri. Mohanlal Dalichand Desai" Seminar organized by Shr. Mahavir Jain Vidhyalaya held at Pavapui (Rajasthan) March (2012)
11. "The method and necessity of Spreading Jaina Agamic Literature Worldwide, Seminar, organized by Arham Spiritual Centre-run Saurashtra Kesari Pranaguru Jain Philosophical and Literacy Research Centre, Kalapurnam Tirth, Devlali, Nasik, March (2013).
12. "Quality of Indian Higher Education, proc. UGC sponsored National Seminar on Higher Education- A directional impetus -2013, Mumbai (Maharashtra), September (2013), page 147. (ISBN: 978-93-82880-56-1)
13. "Allergy-allergens, allergic diseases" proc. UGC sponsored National conference on Concepts & New Trends in Aerobiology & Allergy (CANTAA-2013), Mumbai (Maharashtra), November (2013), page 39. (ISSN: 2320-7817)



CRITERION IV INFRASTRUCTURE AND LEARNING RESOURCES



THE COLLEGE LIBRARY.



THE COLLEGE CANTEEN.



THE BOTANICAL GARDEN.



THE ADMINISTRATIVE STAFF IN THE COLLEGE OFFICE.



STUDENTS COMPETING IN A GAME OF CARROM IN THE GYMKHANA.



THE COUNSELLING AND GUIDANCE CENTRE.



CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

“The value of Education lies in cultivating all the faculties of the student and making him fit for the eventualities and relations of life. Unfortunately the Universities lay down the content of our education. We cannot change it by voluntary effort. We can only change its method, spirit and goal.”

4.1 Physical Facilities

4.1.1 What is the policy of the institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

Bhavan's H.S & J.P College has adequate infrastructural facilities. It has spacious classrooms, an excellent library, well-equipped laboratories, including two Research Labs, a Computer Lab with free internet access during the college working hours, Photocopying facility in the college premises, Canteen and Gymkhana facilitating indoor games. However, paucity of space remains a major hurdle and the management periodically reviews the infrastructural facilities. The infrastructural requirements top the agenda discussed at the meetings of the Local Managing Committee and Principal's Office. In fact in view of space constraint the college operates in two Sessions. The timings of the Degree College are 7 10 AM to 15 30 PM and Junior College from 10 50 AM to 17 10 PM.

4.1.2 Detail the facilities available for

- a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

The college has two wings:

- a) The four storied old building which comprises the Principal's Office and the Administrative Office, the Vice Principal's Cabins, the Science as also the Computer Laboratories, the Staff Common Room and the class rooms
- b) The New building has seven floors. It houses the Gandhi Institute of Information Technology, the Library, the Gymkhana and the classrooms.

The college has spacious classrooms which vary in size. While the bigger classrooms are generally reserved for Commerce and Management streams, the smaller ones are used for Arts and Science students. Apart from the Computer Labs audio video facilities can be used in the class rooms.

The science departments have well equipped laboratories with modern and sophisticated instruments and facilities.

The college does not have a Seminar hall of its own. However, the auditorium of the Parent body situated in the adjoining building serves the purpose. The institution is making effort to create one of its own.

A number of plants are maintained in the space between the outer wall of the Chemistry department and the college compound wall. In addition, the college has a botanical garden on the fourth floor terrace of the old building, where a number of medicinal and general plants such as herbs, shrubs, succulent plants, ornamental plants, palms, pteridophytes etc are displayed and this helps in keeping the environment clean.

In addition our institution has two Research Laboratories:

- i) Chemistry Research Lab on the Ground Floor of the College old building. The lab which was started in the academic year 2011-12, very soon gained recognition and affiliation from University of Mumbai, with permission for enrolling 8 students –



(together for M.Sc. & for Ph.D.)

- ii) Zoology Lab on the third floor of the college main building. The lab was affiliated to the University of Mumbai since its inception in 1978. There was a lull in 2004 and the Lab became operational once again from the academic year 2010-11. Both the labs have updated infrastructure, equipments, computer and library facilities for the benefit of the staff and students.
- b) Extra-curricular activities-sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

The college does not have a playground of its own. It utilizes the University Gymkhana/ other nearby grounds for the conduct of Annual Athletic meet.

The college gymkhana is located on the seventh floor of the new building, where indoor games like table-tennis, chess, and carom are played.

Martial Arts classes for equipping female students to be self-defensive are carried out in the gymkhana, which also doubles up as a practice area for drama/dance, as and when the need arises.

Outdoor games are practiced at various grounds, such as: Cricket at Cross Maidan Churchgate, Football at August Kranti Maidan and for other sports like Kabbadi, Kho-kho and basketball, at grounds nearby the college campus are hired.

Bhavan's HS and JP College boasts of a strong NSS unit. The following teachers have been appointed as officers to carry out the NSS activities.

Degree College: Program Officers: Prof (Ms.) Rina Dhonde & Dr. Sandip Maind

Member: Dr. (Mrs.) U Chavan

Junior College: Program Officers: Mr. A Shelke & Ms. J Chowdary

The Bhavan's Auditorium in the adjoining building is generally used for holding of seminars and conduct of events such as Orientation Programmes, College Day and for delivery of important lectures.

The College has a Counseling and Guidance Centre on the second floor of the college main building. Students can make use of this facility for psychological testing and other related matters.

The Principal, Vice Principals and teaching faculty are responsible for nurturing and developing the talents, potential and organizational abilities of the student fraternity so as to promote all round development of the learners.

The Arts, Science and Commerce faculties of the college have various associations. Different activities are conducted by these associations, which are inclusive of guest lectures by eminent speakers, organization of seminars, presentations, debates, elocution competitions, group discussions, exhibitions, industrial visits and educational tours. The chief motive of these activities is laying the platform for the acquisition of requisite skills, leading to overall development of personality of the students.

- 4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/ augmented and the amount spent during the last four years (Enclose Master Plan of the Institution/ campus

Paucity of space is one of the major constraints of our institution. The management periodically reviews the infrastructural facilities. The infrastructural requirements top the agenda discussed at the meetings of the Local Managing Committee and Principal's Office. In fact in view of space constraint the college operates in two Sessions. The timings of the



Degree College are 7:10 AM to 15:30 PM and Junior College from 10:50 AM to 17:10 PM. Master Plan is enclosed (**Annexure 3**)

The institution attempts to make optimal use of the available resources, as detailed below:

- a) It acts as a Centre for the conduct of University Examinations;
- b) Acts as a Centre for staff selection of the office of the Governor of Maharashtra, Maharashtra Public Service Commission, Office of the Joint Director Mumbai Region, etc
- c) Is a regular Centre for the conduct of CA Examinations;
- d) Centre for Staff approval of the Office of the Deputy Director of Higher Education;
- e) Classes for Certificate Course in Astrology, under the auspices of Bharatiya Vidya Bhavan are run in the College premises on Sundays and Holidays;
- f) Our college is the polling centre for elections, under the Malabar Hill/ South Mumbai constituency.

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The college has a special place for the physically challenged students. The railing facility exists at the entrance makes the lift up to the seventh floor accessible to the students. In addition the college strictly adheres to the rule of providing extra time to the handicapped students as stipulated by the University.

4.1.5 Give details of the residential facility and various provisions available within them:

- ◆ Hostel Facility – Accommodation available
- ◆ Recreational facilities, gymnasium, yoga center, etc
- ◆ Computer facility including access to internet in hostel
- ◆ Facilities for medical emergencies
- ◆ Library facility in the hostels
- ◆ Internet and Wi-Fi facility
- ◆ Recreational facility-common room with audio-visual equipments
- ◆ Available residential facility for the staff and occupancy. Constant supply of safe drinking water
- ◆ Security

The college does not have a Hostel of its own. However, the Bhavan's Guest Rooms in the neighboring building are often used to house important Dignitaries.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

The college does not have an official health center though it does maintain first aid kits. Our Alumni Dr. Subodh Sirur is available and attends to the students whenever called. In addition the location of the college is such that it has a number of hospitals in the vicinity. This facilitates immediate medical attention.

4.1.7 Give details of the Common facilities available on the campus – spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

The college has Counseling and Career Guidance Center located on the second floor of the college main building. We also have a canteen located on the ground floor opposite the Gandhi Institute of Computer Technology.

Behind the Staff Common Room there is A Tea Club where the staff members can have their snacks. In addition there is a Reading Room for the Staff on the mezzanine floor



college library. The staff can also enjoy some indoor games in the college Gymkhana. We make available clean drinking water facilities for staff and students. Each floor has aqua guard fitted water coolers, apart from the ones in the staff room, library, general office and Principal's office.

Although we have a well composed Grievance Committee, Women Development Cell (CWDC), Placement Committee due to severe space constraint we are unable to allot Rooms for them. The old computer lab adjoining the Principal's Office and Vice Principal's cabin on the first floor serves as the Examination Room during the time of University examinations, at other times it provides room for discussions and deliberations.

As of now the college does not have a seminar room of its own, although a new one is in the offing. The Bhavan Auditorium in the neighboring building serves the purpose of hosting conferences, seminars and other programs.

4.2 Library as a Learning Resource:

4.2.1 Does the library have an advisory committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes the Library has an advisory committee chaired by the Principal and comprises three staff members and the Librarian.

The following are the members of the present Library Committee:

1. Dr. (Mrs.) Medha. J. Gupte, I/c Principal	Chairperson
2. Dr. (Mrs.) Veena. H. Joshi, Vice Principal	Member
3. Dr. S.V Rathod, Vice Principal	Member
4. Prof (Mrs.) Varsha Mallah	Member
5. Mrs. K. Bindu	Librarian

The Committee is mainly concerned with the planning of the in- house operations of the Library. The committee has made several noteworthy recommendations, many of which have been implemented. These include, up gradation of Library Software installation of OPAC terminal to search the library catalogue, and addition of two Personal Computers to improve the library services. Further the pages of the main menu and contact details of Web-OPAC have been modified to suit the existing library services. Users are now free to search the Library catalogue from any Local Networking Connection within the college. The basic objective here is to make the library student/user friendly.

4.2.2 Provide details of the following:

❖ Total Area of the library (in Sq. Mts.) — Lower level ----2240 Sq. ft.
Upper level ----1120 Sq. ft.

❖ Total seating capacity ---- 100

❖ Working hours (on working days, on holiday, before examination days, during examination days, during vacation)

Monday to Friday 7.00 AM to 5.30 PM

Saturday & During Vacations 9.00 AM to 4.35 PM

The library remains closed during Sundays and public holidays.

❖ Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

The college library is located on the first floor of the college new building. It is composed of two levels as is shown in the Annexure attached.

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading material? Specify the amount spent on procuring new books, journals



and e-resources during the last four years?

As per the recommendations of the library committee budget allocation is made in the annual budget for every department and on this basis various subject books are purchased keeping in mind the requirements furnished by the Heads of different Departments.

The following table gives details

TABLE 16

Library	2010-11		2011-2012		2012-13		2013-14	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text Books	291	31656.00	150	16624	199	24988.00	319	31290.00
Reference Books -----								
Sr. College	217	129128.56	260	132735.90	241	121202.40	170	98589.00
B.M.S.	189	36405.00	190	36431.00	34	27281.75	73	17544.00
B.A.F.	79	9303.00	75	12225.00	12	3672.00	25	2636.00
M.Com.	12	12407.00	----	----	39	13499.75	----	----
Journals/Periodicals								
Sr. College	25	21365.00	27	22239.00	25	22352.00	23	20759.00
B.M.S.	5	3440.00	5	34440	----	----	1	1680.00
B.A.F.	2	2615.00	2	2825.00	1	1260.00	2	3360.00
M.Com.	2	2100.00	----	----	1	1260.00	----	----
E-resources	----	----		5000		5000		5000
-E-Books			55100		76909		97000	
-E-Journals			2100		3828		6000	
Any Other (Specify)								
News Papers---	16	24599.50	16	26297.00	16	29952.50	16	32670.00
Weeklies---	21		21		21		21	0



4.2.4 Provide details of the ICT and other tools deployed to provide maximum access to the library collection

❖ OPAC

As of now one OPAC terminal has been installed at the entrance of the library, to enable searching of books and finding member data base. The library is connected to the Main Computer Laboratory and science departments through LAN. Web OPAC Facility helps in the searching of library database through LAN.

❖ Electronic Resource Management package for e-journals

Adobe Digital Edition is made use of to borrow electronic resources online.

❖ Federated searching tools to select articles in multiple databases

Our college is a subscriber of UGC N-LIST program of INFLIBNET which provides federated searching tools. This facilitates searching of articles in multiple databases.

❖ Library website

The details of the library are provided on the college website. Library WEB-OPAC is modified as per the requirements of the library information and services and the link is provided on the college Website.

❖ In-house/remote access to e-publications

Through N-LIST, the library is providing In-house/ remote access to e-publications.

❖ Library automation

The library has been using SOUL 2.0 software for in house operations. The same has been developed by INFLIBNET, an autonomous institution under UGC, compliant to international standards; for example March 21 bibliographic format. In addition the software supports cataloging of electronic resources and meets the requirements of digital library.

Cataloguing and Circulation is fully automated. The software supports OPAC and Web-OPAC. Soul database can hold the record of 72,533 documents.

As of now five computers including the Server are installed in the library for in-house operations and services. In addition one OPAC terminal has been placed at the entrance of the library for searching the library catalogue.

❖ Total number of computers for public access

One computer has been installed for searching library database

❖ Total number of printers for public access

Currently not available

Internet band width / speed

Institutional Repository

(i) College magazines from 1971 onwards are available in the library for reference.

(ii) College bulletin "PRAYAS" from Vol 1 are available in the library for reference.

❖ Content management system for e-learning

Not available

❖ Participation in Resource sharing network/consortia (like INFLIBNET)

The college is a subscriber of UGC- N- LIST program of INFLIBNET.

4.2.5 Provide details of the following items:

❖ Average number of walk-ins	200-250
❖ Average number of books issued/returned	40
❖ Ratio of library books to students enrolled	1:40
❖ Average number of books added during last three years	596
❖ Average number of login to OPAC	40



- ❖ Average number of login e-resources
- ❖ Average number of e-resources downloaded/printed
- ❖ Number of information literacy training organized Nil
- ❖ Details of "weeding out" of books and other materials

It is a general practice in the college that a list of books, which are outdated and are in unusable condition, is prepared and once permission is sanctioned by the Local Managing Committee of the College, the books are weeded out.

4.2.6 Give details of the specified services provided by the library

- ❖ Manuscripts Nil
- ❖ Reference

Library has a separate collection of reference material. Users are provided with reference services for project work, assignments and for completion of research work.

- ❖ Reprography – this facility is not available in the library, but the college does have a Photocopying on the Ground floor of the college main building and the same is outsourced.
- ❖ ILL (Inter Library Loan Service) Nil
- ❖ Information deployment and notification

The Library Notice Board at the entrance of the college library notifies the users about the various issues and activities of the library.

- ❖ Download Nil
- ❖ Printing Nil
- ❖ Reading list/Bibliographic compilation

A Reading list of new arrivals is displayed on the library notice board.

- ❖ In-house/remote access to e-resources
The access to N-List is user name/password enabled and it provides in-house remote access to e-resources.
- ❖ User Orientation and awareness
Students offering Mathematics, Political Science and Botany have been given an orientation in library awareness. This gives them a general awareness of the library collection and resources. The college proposes to extend the same to other subjects. In addition personal attention is given to students who are unable to search the catalog through OPAC.
- ❖ Assistance in searching databases.
The library assists the users in searching library database such as catalogue and membership status.
- ❖ INFLIBNET/IUC facilities
Our college is a subscriber of UGC-N-List program of INFLIBNET.

4.2.7 Enumerate on the support provided by the library staff to the students and teachers of the college

- (i) The library follows the system of closed access to students and open access to the teachers. The library staff always helps locate books from the shelves.
- (ii) Further the staff at the counter helps in maintaining silence and discipline in the library.
- (iii) Our library has a collection of books relating to competitive examinations. The same are made available to the users at the counter.
- (iv) In addition Book Bank facility is being provided to students belonging to economically backward classes. Students can avail of this scheme which permits lending throughout the academic year. The books in turn have to be returned at the end of the term end examination. A meager sum of Rupees 150 is charged for the use of these books.
- (v) Both old college and university examination question papers are maintained by the



library and the same is made available to the staff and students for ready reference.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details

At present the library is not providing any special facilities for the visually/physically challenged persons.

4.2.9 Does the library get the feedback from its users? If Yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Library forms are distributed and the filled up forms are collected from the users. They are analyzed with the intention of improving the library facilities.

Besides a verbal feedback is regularly sought from the staff and students and efforts are made to work on the weaknesses.

4.3 IT Infrastructure

4.3.1 Give details on the computing facility available (hardware and software) at the institution

- ◆ Number of computers with Configuration (provide
- ◆ actual number with exact configuration of each available system)
- a) Intel Premium IV 3.0GHz (HT)
25 Nos,
with 865 GV Motherboard, 1 GB RAM, 40GB Hard Disk, 15th
Monitor, Key Board, Mouse
- b) Intel Pentium IV 3.0GHz (HT), with 865 GV Motherboard, 1.44
MB FDD, Combo Drive, 1 GB RAM, 80GB Hard Disk, 15th
Monitor, **08 Nos.**
- c) Pentium IV Core to Duo 2.93GHz, Asus Motherboard, 250GB
Hard Disk, 1 GB RAM, 16.5" LCD Monitor, Keyboard Mouse. **03 Nos**
- d) Pentium IV Core to Duo 2.93GHz, Asus Motherboard, 320GB
Hard Disk, 2 GB RAM, 16.5" LG LCD Monitor, Keyboard, Mouse, **01 Nos**
- e) Premium IV Core to Duo 2.93GHz. Asus Motherboard, 320GB Hard Disk, 2 GB
RAM, 16.5" LG LCD Monitor, Keyboard, Mouse, Sony DVD Writer **01 No**
- f) Premium IV Core to Duo 2.93GHz. Asus Motherboard, 320GB Hard Disk, 2 GB
RAM, 16.5" LG LCD Monitor, Keyboard, Mouse, **01 Nos**
- g) Pentium IV Core to Duo 2.93GHz. Asus Motherboard, 320GB Hard Disk, 2 GB RAM,
16.5" LG LCD Monitor, Keyboard, Mouse, **01 Nos**
- h) Pentium IV Core to Duo 2.93GHz. Asus Motherboard, 320GB Hard Disk, 2 GB RAM,
16.5" LG LCD Monitor, Keyboard, Mouse, **02 Nos**
- i) Core i3 (2nd Generation CPU with Asus H61 motherboard, 2GB RAM, 500 GB Hard
Disk, DVD writer, Keyboard, Mouse 16" LG TFT Monitor **02 Nos**
- j) ACER LAPTOP----- ACER 5753 **01 Nos**
- k) Core i3 CPU with 4GB RAM, 500 GB Hard Disk 14" LED Screen, LAPTOP **01 Nos**
- l) Intel i3 CPU with intel motherboard, 500 GB Hard Disk 4 GB RAM, LG DVD writer,
18.5" LCD Monitor, Keyboard Mouse **01 Nos**
- j) Intel i3 CPU with intel motherboard, 500 GB Hard Disk 4 GB RAM, LG DVD writer,
18.5" LCD Monitor, Keyboard Mouse **01 Nos**
- k) Intel i3 CPU with intel motherboard, 500 GB Hard Disk 4 GB RAM, LG DVD writer,
18.5" LCD Monitor, Keyboard Mouse **01 Nos**
- l) Intel i3 CPU with intel motherboard, 500 GB Hard Disk 4 GB RAM, LG DVD writer,
18.5" LCD Monitor, Keyboard Mouse **01 Nos**
- m) ACER Laptop --- Core i3 CPU, 4 GB RAM, 500GB Hard Disk, Windows, 7, original
01 Nos



- n) Intel core i3 (3rd Generation), Gigabyte H61 Motherboard, 4 GB RAM, 500GB, Hard Disk, LG DVD Writer, 18.5" LCD Monitor, Keyboard, Mouse **03 Nos**
- o) Intel core i3 (3rd Generation), Gigabyte H61 Motherboard, 4 GB RAM, 500GB, Hard Disk, LG DVD Writer, 18.5" LCD Monitor, Keyboard, Mouse **03 Nos**

- ◆ Computer-student ratio 1:6
- ◆ Stand - alone facility Yes there is one Stand - alone computer which is exclusively used for examination purposes. Reliance Communication device is used for internet access.
- ◆ LAN facility All the college computers have LAN facility
- ◆ Wi-Fi facility We do not have Wi-Fi facility
- ◆ Licensed software

The following License Software are used

- 1) Tally Multi Users
- 2) MS-Office 2003 Student-Teacher Edition 3 Users
- 3) Quick Heal Total Security 10+5 Users

- ◆ Number of nodes/computers with Internet facility
All the computers have internet facility
- ◆ Any other

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus

The college has a well - equipped computer laboratory. Internet facility is made available to the staff and students free of charge during the working hours of the college.

Our college has the locational advantage of the existence of the Gandhi Institute within the college premises. The option of short term courses facilitates generation of computer awareness among the staff and students.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The college plans to upgrade its IT infrastructure and associated facilities as given below:

- i) Providing LCD facility for effective teaching;
- ii) Acquisition of Propriety software to enhance advanced knowledge in IT;
- iii) Purchasing of additional computers, according to the requirements. In this context we would like to mention the 15 Computers which we received from the Gandhi Institute of Computer Technology;
- iv) New softwares are installed as per the requirements.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (year wise for the last four years)

TABLE 17

FACILITY/ YEAR->	2010-11	2011-12	2012-13	2013-14
Office Equipment/furniture	82525.00	47207.00	95933.00	97058.00
Lab Equipment aided	25875.00	27300.00	27300.00	75516.00
Computers	23875.00	69900.00	60200.00	
Gymkhana	152885.0 0	230342.0 0	129956.0 0	175843.0 0
Water Coolers				



Description	2009-10	2010-11	2011-12	2012-13	2013-14
Furniture	100000.00	100000.00	100000.00	100000.00	100000.00
Lab Equipment	25000.00	25000.00	30000.00	40000.00	30000.00
Computers		100000.00	125000.00	50000.00	100000.00
Gymkhana	189000.00	200000.00	200000.00	200000.00	200000.00
Water Coolers				201000.00	
Pest Control/Rodent Control					41573.00
Fire Control					9090.00
Cleaning of Storage Tank					5000.00

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by staff and students?

ICT facilities are available for use by the staff and the students. To encourage computer awareness among staff and students an air-conditioned computer lab with free internet facility during the working hours is made readily available.

The college has a full time lab technician who looks after the ICT resources of the college. They are ably aided by a few teaching faculty who provide guidance on installation of new technology in keeping with the current trend.

Several administrative procedures such as admission work, generation of fee receipts, online enrolment, generation of salary slips and PF Statements are computerized.

Practical Sessions for the TY B.com, TY B.Sc. (Physics), TY BA. (Economics) as also for the unaided courses are conducted in the Computer lab. Power Point Presentations can be arranged in the Computer Lab and Classrooms.

As of now we 3 LCD Projectors, 2 Laptops, 3 Overhead Projectors, 1 Slide Projector is available in the college for the benefit of the staff.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching – learning resources, independent learning spaces etc) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

The following softwares have been installed for the benefit of students

1. MS Office;
2. Turbo C;
3. My SQL
4. Tally;
5. Visual Studio and
6. Oracle



4.3.7 Does the institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

No

4.4 Maintenance and Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

TABLE 18

a.	Building
b.	Furniture
c.	Equipment
d.	Computers
e.	Vehicles
f.	Any other

	2009-10	2010-11	2011-12	2012-13	2013-14
1. Furniture	1,00,000	1,00,000	1,00,000	1,00,000	1,00,000
2. Equipment	25,000	25,000	30,000	40,000	30,000
3. Computers		1,25,000	1,25,000	50,000	1,00,000
4. Repairs and Maintenance					

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructural facilities and equipment of the college?

- Regular cleaning of the premises and infrastructure is carried out by Class IV employees appointed for the purpose;
- The maintenance and repair of the premises, infrastructure, instruments/equipment is systematically carried out by the college;
- Computers and electronic devices are regularly maintained by the computer lab attendant and the lab technicians. In case of a major problem the mechanics are contacted
- The services of the staff having basic knowledge is used for minor repairs and emergencies such as fixation of fans, replacement of fuses etc.
- The college administrative staff under the guidance of the Registrar looks after the maintenance of the general office equipments such as repair of lift, Pest control, regular cleaning of water tanks, taking stock of the fans and tube lights in the class-rooms, refilling of fire extinguishers etc.



- f) The librarian assisted by the library staff looks after the maintenance of the library and library books. Stock taking is done at regular intervals. Internal stock verification and audit is carried on annually in all laboratories, NSS, Gymkhana and general office.

4.4.3 How and with what frequency does the institution take up calibration and other precision measures for the equipment/instruments?

Calibration of the laboratory equipment is done by the staff prior to the commencement of the Practical examination and is used thereafter till the end of the Semester. Standard methods are used for calibration of instruments.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc?)

Our college has adequate infrastructure with all the essential facilities and amenities.

Three storage tanks are located on the top most floor of the building.

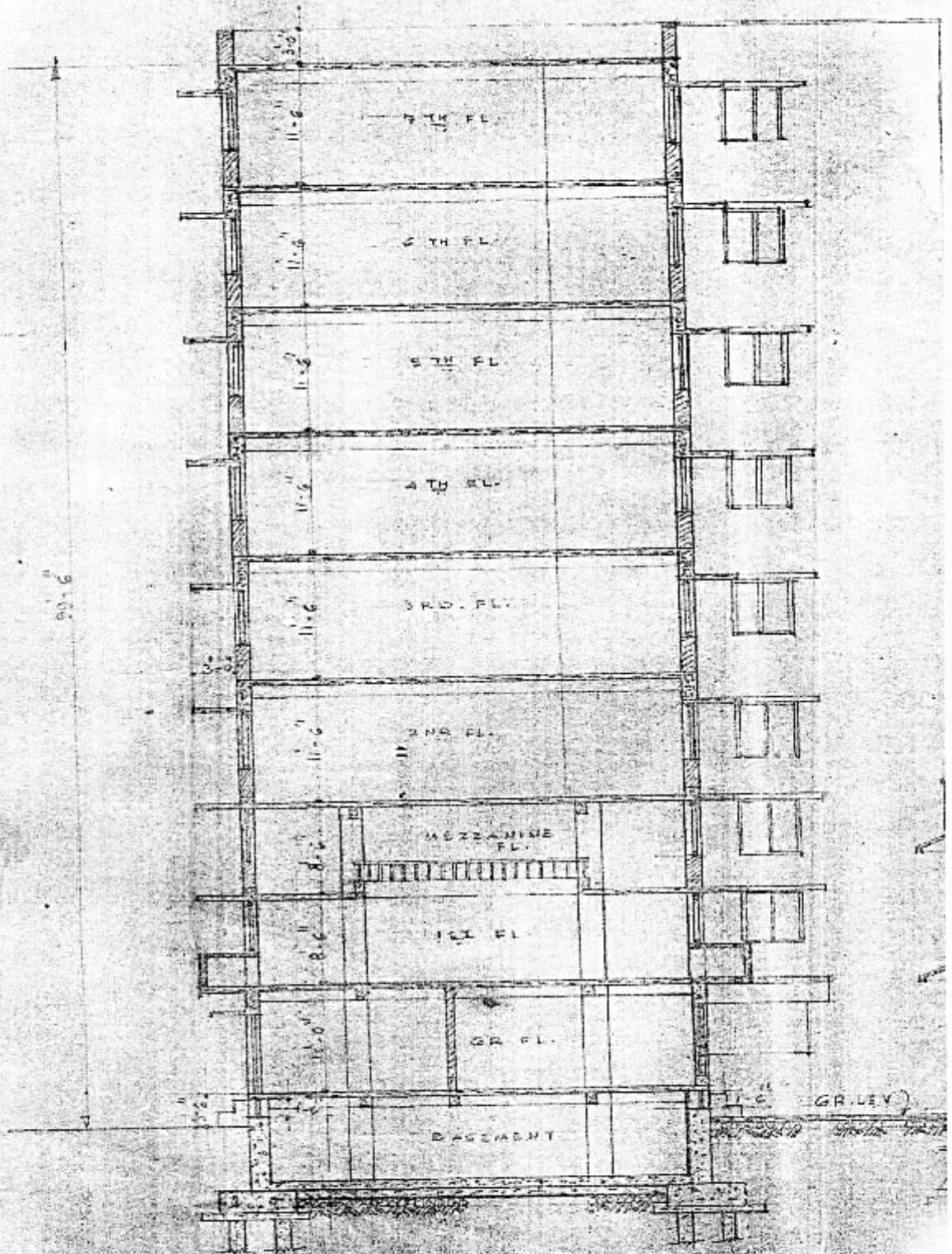
Water coolers have been installed on every floor, few departments, Principal's Office administrative office and in the Staff Common Room, thereby ensuring supply of clean water. We also have a power backup in case of an emergency.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

- 1) Our college is located in South Mumbai, very close to the famous Girgaum Chowpatty;
- 2) One of the older institutions of University of Mumbai, the college has accessibility to both Grant Road and Charni Road stations on the Western Railway local line;
- 3) The college is also well connected to various B.E.S.T routes;
- 4) The college is situated close to Grant Road Fire Brigade, Gamdevi Police station and Dalvi Hospital;
- 5) The close proximity to the Hanging Gardens and Kamala Nehru Park enables the collection of floral specimen for practicals, lecture demonstrations and for college exam preparations;
- 6) Space paucity is one of our severe constraints, but we still manage to run different courses by working in shifts; The Junior College working from 10 50 AM to 5 10 PM and Degree College from 7 00 AM to 3 30 PM.
- 7) On Sundays the college premises are used for conducting Astrology Classes under Bharatiya Vidya Bhavan and the college acts as a centre for conducting various exams conducted by the state Governor's office, office of the Joint Director of Higher Education Mumbai Region, Mumbai Police, Maharashtra Public Services etc
- 8) Catering as it does to the students of South Mumbai's lower and middle income groups, the college is vibrant with student activity throughout the year.
- 9) Martial Arts classes by our own Alumni have been started for the self-defence of our female students.
- 10) OPAC terminal has been installed at the entrance of the library to facilitate searching of library catalogue. Adobe Digital Edition is made to borrow electronic resources online. Our college is a subscriber of UGC N-List Program which provides federated searching tools.

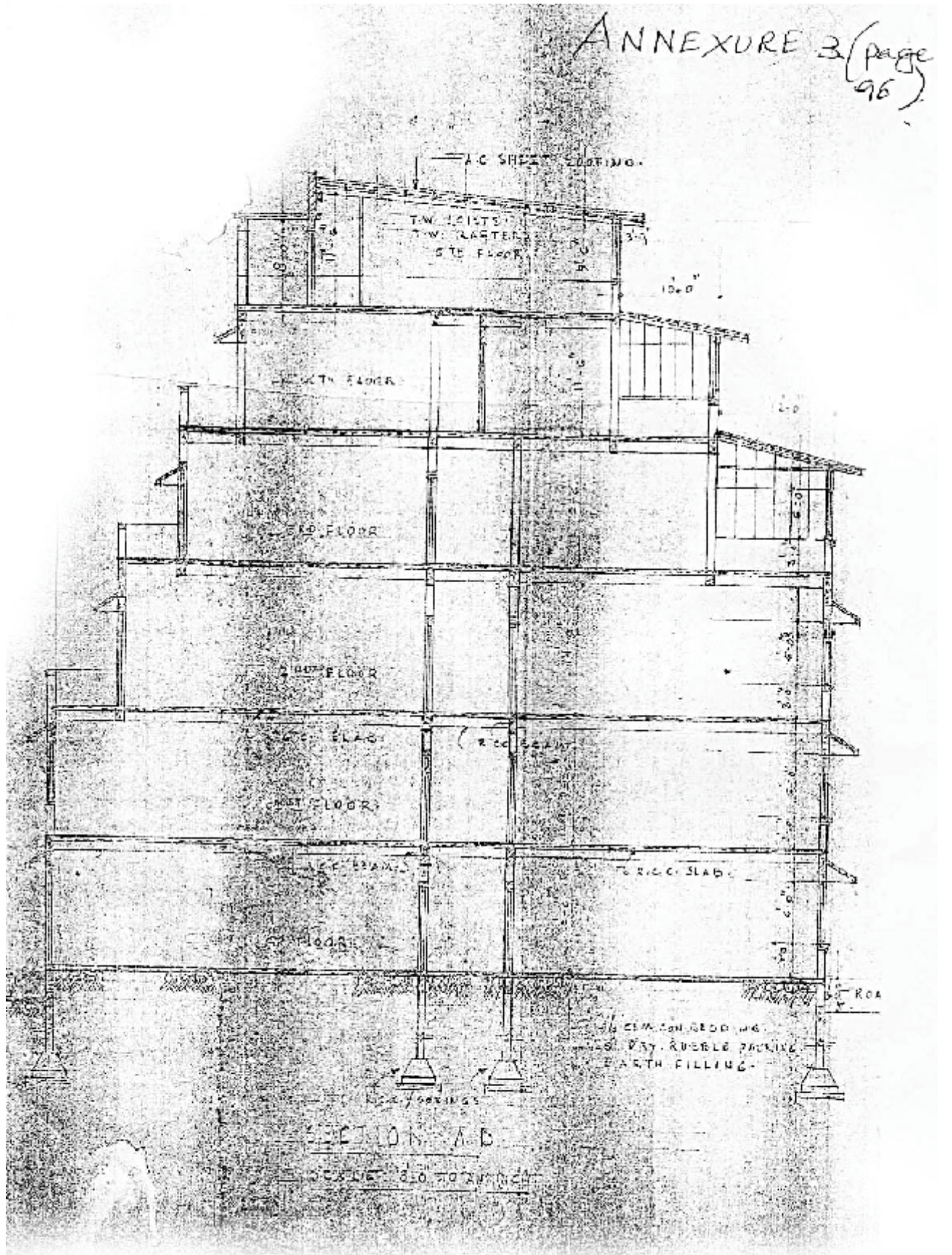


Annexure 3 : Master Plan





Annexure 3 : Master Plan





CRITERION V STUDENT SUPPORT AND PROGRESSION



THE ANTISMOKING RALLY CONDUCTED BY THE COLLEGE.



THE MOCK PARLIAMENT CONDUCTED BY THE STUDENTS.



OUR ALUMNUS MR. AJAY KANERKAR IMPARTING SELF-DEFENSE TRAINING TO STUDENTS.



STUDENTS COMPETING IN A RACE AT THE ANNUAL ATHLETIC MEET.



OUR ALUMNI ASSOCIATION MEMBERS MR. RUPEN DOSHI (LEFT) AND MR. ASHISH ATHALYE (RIGHT) ADDRESSING STUDENTS DURING THE EVENT 'ICE - BREAKER'.



CRITERION V: STUDENT SUPPORT AND PARTICIPATION

To teach the students, while equipping him with every kind of scientific & technical training

- a) not to sacrifice an ancient form or attitude to an unreasoning passion for change;*
- b) not to retain a form or attitude which is in the light of modern needs can be replaced by another form or attitude which is truer and more effective;*
- c) to capture the spirit afresh for each generation to present it to the world;*

Memorandum of Association

Kulapati Dr. K.M. Munshi had this to say about Indian Education -----

“Indian Education must prepare men and women fit for their task. It must make them Bharatiya, in spirit and outlook, true to the Motherland, striving ceaselessly for the integration of their own personality and prepared for the day when the world would learn from them the rudiments of the Supreme Act of life – energy taught by the Masters.”

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes' what is the information provided to students through these documents and how does the institution ensure its commitment and accountability

The college annually publishes its Prospectus and the same is distributed among the students seeking admission to the college along with the admission form.

Beginning with Bhavan's Prayers, the Prospectus briefly mentions the teachings of Munshiji and provides general information of the college. In addition the prospectus mentions the courses offered, the general rules and regulations, the Scholarships and Freeships awarded, the scheme of examinations, the syllabi for the self-financing courses, the fee structure for both the aided as well as unaided and the procedure for refund of fees. The college has been relentlessly striving to fulfill the objectives and goals as laid down in the prospectus.

5.1.2 Specify the type, number and amount of institutional scholarships/Freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The Government of India has initiated scholarships/Freeships for students belonging to SC, ST, OBC, VJNT, SBC categories. The college provides assistance and guidance to all students belonging to these categories by facilitating the filling of E-Scholarship forms. The scholarship amount is directly deposited in the students' Personal Bank Account.

In addition to Government Scholarships and Freeships, our trustees, NGOs, Ex-staff Members and current staff provide financial aid to both the needy as also to the students who are toppers in their academic career.

In all there are 69 scholarships/prizes. Enclosed herewith is the criteria laid down for giving prizes.



TABLE 19
Category wise no. of students provided with Freeship for the year 2009-10

2009-10					
Sr. No.	Caste	Freeship			College Fees Amt. Rs.
		Male	Female	Total	
1	SC	43	71	114	3,75,227
2	OBC	38	32	70	1,36,605
3	SBC	2	09	11	63,840
4	VJ/NT	11	12	23	45839
5	ST	NIL	NIL	NIL	NIL
	Total	94	124	218	6,21,511
2010-11					
Sr. No.	Caste	Freeship			College Fees Amt. Rs.
		Male	Female	Total	
1	SC	66	72	138	5,49,742
2	OBC	31	28	59	1,51,673
3	SBC	01	03	04	62,970
4	VJ/NT	06	12	18	74,753
5	ST	--	--	--	NIL
	Total	104	115	219	8,39,138
2011-12					
Sr. No.	Caste	Freeship			College Fees Amt. Rs.
		Male	Female	Total	
1	SC	34	41	75	4,16,641
2	OBC	16	19	35	1,06,651
3	SBC	02	04	06	53096
4	VJ/NT	04	05	09	16991
5	ST	01	Zero	01	13,835
	Total	57	69	126	3,37,214
2012-13					
Sr. No.	Caste	Freeship			College Fees Amt. Rs.
		Male	Female	Total	
1	SC	51	39	90	3,78,840
2	OBC	19	20	39	1,05,763
3	SBC	03	04	07	41,172
4	VJ/NT	03	10	13	61,365
5	ST	--	--	--	--
	Total	76	73	149	5,87,140



Categorywise No. of Students provided with Scholarship for the year

2009-10							
Sr. No.	Caste	Scholarship			Student maintenance amount	College Fees Amt	Gross Amt Sanctioned
		Male	Female	Total			
1	SC	10	32	42	72210	209912	282122
2	OBC	42	55	97	76350	483891	560241
3	SBC	14	11	25	18120	185502	203622
4	VJ/NT	10	27	37	32850	160331	193181
5	ST	--	--	--	--	--	--
	Total	76	125	201	199530	1039636	1239166
2010-11							
Sr. No.	Caste	Scholarship			Student maintenance amount	College Fees Amt	Gross Amt Sanctioned
		Male	Female	Total			
1	SC	26	34	60	106005	281598	387603
2	OBC	67	48	115	95085	622152	717237
3	SBC	12	20	32	23280	230022	253302
4	VJ/NT	24	14	38	33492	153659	187151
5	ST	--	--	--	--	--	--
	Total	129	116	245	257862	1287431	1545293
2011-12							
Sr. No.	Caste	Scholarship			Student maintenance amount	College Fees Amt	Gross Amt Sanctioned
		Male	Female	Total			
1	SC	34	42	76	247210	384241	631451
2	OBC	53	36	89	133400	376904	510304
3	SBC	4	18	22	35340	178551	213891
4	VJ/NT	14	07	21	27980	105358	133338
5	ST	--	--	--	--	--	--
	Total	105	103	208	443930	1045054	1488984
2012-13							
Sr. No.	Caste	Scholarship			Student maintenance amount	College Fees Amt	Gross Amt Sanctioned
		Male	Female	Total			



5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?

TABLE 20

YEAR	Percentage of students getting financial assistance from state, central government and other national agencies
2009-10	23.30
2010-11	27.59
2011-12	20.42
2012-13	23.01
2013-14	22.08

5.1.4 What are the specific support services/facilities available for

- ✓ Students from SC/ST, OBC and economically weaker sections.
While giving admissions to students belonging to SC, ST, OBC, VJNT and SBC categories, the college strictly adheres to the norms (quota) stipulated by the Government of Maharashtra and University of Mumbai. Scholarships are given to the above mentioned classes as per the Government guidelines.
There is a Scholarship Committee which looks after the granting of Scholarships to students who are economically backward. In addition to income, weightage is also given to academic performance.
We can detail these Scholarships as follows:
 - a) An NGO Bharatiya Stree Seva Sangh had given financial aid to the tune of Rupees 5000/- each to three students in 2009-10 and five students in 2010-11 and 2011-12;
 - b) Three students are given a Cash prize of Rupees 1500/- each in memory of our deceased ex-staff member Dr. M.M Katre;
 - c) Many of our staff teaching and non-teaching also pay the tuition fees of deserving poor students.
- ✓ Students with physical disabilities
Students with physical disabilities occupy an important place in the college functioning. Railing facilities are provided at the entrance which in turn is directly accessible to the lift.
They are also given extra time and other facilities as per the norms laid down by the University of Mumbai.
- ✓ Overseas students - Nil
- ✓ Students to participate in various competitions/ National and International
Apart from providing the participants with free costume/kit and other financial resources, students are given concessions in attendance of lectures/tutorials and practicals.
Further students who miss the regular examinations are given a chance to appear for additional examinations.
- ✓ Medical assistance to students, health centre, health insurance etc
The college has a first aid kit kept in the NSS Room, Laboratories and Gymkhana. Even though we do not have a Regular Doctor our Alumni Dr. Sirur is always willing to render his services as the situation demands.
The college has an active NSS unit who regularly organizes Blood Donation drive in collaboration with Government hospitals.



In addition, free Thalassemia and medical check-up is arranged for staff and students.

- ✓ Organizing coaching classes for competitive exams
Though officially no coaching classes are conducted, the Professors of the college provide the students with the relevant material in the form of References and educational sites.
- ✓ Skill development (spoken English, computer literacy etc)
The location of the renowned Bharatiya Vidya Bhavan's Gandhi Institute in the college premises helps generate a sense of computer awareness among staff and students.
- ✓ Support for 'slow learners'
Extra lectures/practicals are arranged for the weaker students
- ✓ Exposures of students to other institution of higher learning/corporate/business house etc.
Students are always encouraged to participate in events organized by other institutions. In addition industrial visits and educational tours are arranged for students, this provides them adequate exposure to the work –culture of corporate and business houses.
- ✓ Publication of student magazines

The college regularly brings out the college magazine on an annual basis, with literary contribution from staff and students in English, Hindi, Marathi and Gujarati. In addition the magazine encompasses the calendar of event, activities of the associations, felicitations and obituaries.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

Officially no schemes/methods are made available, but from time to time our teachers have always been emphasizing the importance of creativity and innovative ideas among the students, to inculcate in them entrepreneurial skills. We always realize that it is vital to develop the overall personality of a student. In fact one of our alumni Mr. Salil Chaturvedi heads the Pantaloon's Chain.

Personality development programs and Career guidance lectures are regularly arranged. Some of our alumni who have excelled in cultural events help the current students in dance and dramas, which has an impact in the long run.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debates and discussions, cultural activities etc

The college has a very strong cultural background. We pride ourselves in possessing students with innate talents. The cultural Committee under the able guidance of our teacher co-ordinator Prof Manjusha Patwardhan, with support from the authorities, encourage students to participate in several intra-college and inter-collegiate events. This provides them just the right opportunity to hone their skills and display their capabilities.

Kalashree the intra college cultural festival is held in the months of December/January every year. The items covered under the event range from salad making, treasure hunt, Mehendi, nail art, to singing and dancing. Apart from helping in removing the imminent stage fear, it provides an opportunity to the participants to enthrall the omnipresent audience with their display.

We are very happy and proud to say that our college has been an Alma Mater to renowned TV and Film personalities such as Laxmikant Berde, Mahesh Manjrekar, Swaroop Sampat, Bhushan Kadu, Pallavi Patil, Vaibhav Ghuge, Sameer Khandekar, Rahul Mukherjee etc.

Likewise the Sports Committee under the Chairmanship of Prof Ashok Ingle and Teacher in Physical Education Mr. Gaikwad see to it that students participate in all sports events organized by both the college and by outside authorities.

Students who participate in sports activities are provided with kit, T shirts and special diet. They are given a daily allowance of Rupees 100/- per student. In case of competitions outside Mumbai,



Travelling Allowance is also provided.

The College has a number of associations who regularly organize events, quizzes, debates, discussions, exhibitions, seminars to develop the all - round personality of the students.

❖ Additional academic support, flexibility in examinations

Extra lectures / practicals are arranged for students who have missed them on account of their participation in competitions. As regards examinations if they miss them on genuine grounds, they are permitted to appear for additional examinations

Earlier as per Ordinance 0.229A, ten grace marks in the aggregate at the annual examination are given to students who successfully complete the required conditions. This is applicable to NCC/NSS/ Sports and Cultural Activities. Under the new credit based system one credit point is added to the total Credit Grade (CG) in the result.

A report on the sports, cultural, extension activities is published in VIVASVAN – the college magazine published every year.

Special dietary requirements, sports uniform and materials, Medals and trophies are given to outstanding sportsmen.

Free kit and T Shirts are made available to the sportsmen.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, ATE/CAT/GRE/ TOFEL/ GMAT/ State services, Defence, Civil Services etc.

Keeping in mind the fact that most of these are qualifying exams for postgraduate studies the college does not maintain any official record. Several of the students appearing for these exams contact their teachers informal for guidance and direction.

These students approach the college for getting transfer/migration/transcript certificates if required. Recommendation letters are also given for joining higher educational institutes, but no authentic record on the exact number of students appearing for the said exams is maintained.

Post graduate students are encouraged to appear and clear NET/SET examinations. On 23rd August, four Mcom students were sent for a seminar on how to clear NET/SET examinations conducted by

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

The College has a Counseling and Guidance Centre which looks into the problems of psycho-social and personal nature. The college has a number of institutions who along with certain institutes arrange for lectures on career guidance. In addition the College Professors are always there to provide advice on matters which are academic in nature.

Psychological testing has been carried out for Career Guidance as detailed below

TABLE 21

YEAR	No of students who have undergone testing
2009-2010	19
2010-2011	15 (Individual Counseling) 15 (Group Counseling)
2011-2012	05 (Individual Counseling) 25 (Group) (Intelligence Testing)
2012-13	10 (Individual) 10 (Group) Personality Testing
2013-14	12 (Individual)



Ex-students of the college also avail of the counseling facilities.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes the college has Placement Cell. The details of the Cell are given below

TABLE 22

Details of Campus Placement :- (2009-2011 to 2013-2014)

		On Campus			Off Campus	
Sr. No	No of Organizations Visited	No of Students Selected	No of Students Placed		No of Students selected	No of Students placed
	Academic Year 2009 - 2010					
1.	WOLF PACK NETWORK	100				
2.	Career Launcher	300				
	Academic Year 2010-11					
1.	Burzin R Daruwalla				07	
2.	Kraft Educational Services	300				
	Academic Year 2011-12					
1.	International School of Management & Technology	150				
	Academic Year 2012-13					
1.	Career Consulting Organization	300	160			
	Academic Year 2013-14					
1.	Inventys Research Company Pvt. Ltd				05	
2.	Inventys by Chemistry Department	40		02		



- 5.1.10 Does the institution have a student grievance redressal cell? If 'yes', list (if any) the grievances reported and redressed during the last four years.
 Yes the college has a grievance redressal cell, which looks into the grievances of staff and students as and when complaints are received from the students. The matter is treated as urgent and decisions taken and accordingly expedited.
 Yes two cases of sexual harassment were reported by the students. The college took strict action and the concerned teachers lost their jobs.
- 5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?
 Our college has a strong CWDC (College Women Development Cell). It is composed of the Principal (Chairperson), two other lady and one gent (belonging to Reserve Category) teaching staff members, one lady from the non-teaching staff belonging to reserve category, one representative of NGO and one lady student representative, as per the norms laid down by the University of Mumbai.
 The grievances are forwarded to the CWDC, who carefully scrutinize the cases and make the recommendations to the Principal for further action. Further the recommendations are sent by the Principal to the management for final decision. The CWDC conducts an awareness program to enlighten the students on issues pertaining to gender. In 2011-12 Advocate Nausheen Yousuf, Advocate for Women's Rights and Head Domestic Violence Unit, Majlis Law, a well-known NGO, was invited to deliver a lecture on 'Women and Law'. She spoke of the legal provisions of women with regard to various types of violence against them. This could include domestic violence, rape, eve-teasing and sexual harassment in the workplace. In 2012-13 the CWDC invited Women's Activist Ms. Anagha Sarpodar (then Research Scholar at TISS), to address the students on the issue of 'Sexual Harassment at Workplace'.
 In the academic year 2013-14 several of our staff and students' participated in seminars/workshops organized by University Women Development Cell in collaboration with different colleges of the University.
 Staff and students, also attended two such workshops at KC College, Churchgate and NM College, Vile Parle. In addition students of our college participated in Poster Making Competitions organized by MD College Parel and NM College Vile Parle.
- 5.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?
 Yes the college has an anti-ragging committee. To date no case of ragging has been reported.
- 5.13 Enumerate the welfare schemes made available to the students by the institution.
- Free internet access during the working hours of the college;
 - Photo copy facility within the college premises;
 - Installation of water coolers with purifiers on each floor of the college building;
 - A well-stocked library with a wide variety of books ranging from subject related ones to those dealing with real life skills, personality development career guidance and character formation. Book Bank facility available in the library is an advantage for the economically backward classes;



- e) The college gymkhana is well-equipped for indoor games;
- f) The existence of the canteen on the ground floor makes snacks and lunch available to the students at subsidized rates;
- g) Railing facility at the entrance with direct access to the lift is a big bonus for the handicapped students;
- h) Since the academic year 2014-15, Martial Arts has been started for self-defence of girl students;
- i) The college has a Counseling and Guidance Centre, under the care of a qualified Counselor for the benefit of the students.

5.14 Does the institution have a registered Alumni Association? If 'yes' what are its activities and major contributions for institutional, academic and infrastructure development?
Yes the college has a registered Alumni Association. Members of the association conduct various productive activities like motivational speeches to the present lot of students, conducting Martial Arts classes, looking after Placement, choreographing college events, script writing, directing plays etc.

The Alumni Association of the college conducted an event "Ice-Breaker" on 19th July 2014. The Program saw a motivational speech being delivered by our alumni, current Vice President (Internal Auditing) of Kotak Mahindra Bank, Shri Aashish Athalye via power point presentation. He lay emphasis on the role of hard work, thinking out of the box and specializing in one's area of interest while pursuing one's academic and professional goals.

This inspirational lecture was followed by a debate conducted by our alumni Shri Rupen Doshi, CEO of Futuretech India Ltd, on "Western Culture ki jai?". This session witnessed

a

lot of inter active participation and prizes for the 'Best Male' and 'Best Female' Participants' was given away by I/c Principal Dr. Medha. J. Gupte.

A member of the Alumni Association, Shri Ajay Kanerkar spoke of the importance of martial arts as a self-defensive technique in today's modern world. He spelt out the details of the Program which would be conducted free of cost for girl students and staff during the working hours of the college.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches)? highlight the trends observed.

Student Progression	%
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Employed	
Campus Selection	
Other than campus recruitment	



We are very happy to say that many of our students have pursued and are pursuing higher studies. However, no official data have been maintained by the college.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the colleges of the affiliating university within the city/district.

TABLE 24
AIDED COURSES

CLASS	YEAR	TOTAL NUMBER OF STUDENTS	GRADE O	GRADE A	GRADE B	GRADE C	GRADE D	GRADE E
FYBCOM	2011-12	336	-	4%	13%	21%	11%	1%
	2012-13	328	1%	7%	13%	10%	2%	1%
	2013-14	321	1%	13%	13%	11%	13%	2%
FYBA	2011-12	70	1%	4%	6%	10%	10%	2%
	2012-13	75	-	6%	8%	13%	13%	-
	2013-14	43	5%	-	5%	23%	16%	14%
FYB.Sc.	2011-12	54	4%	13%	7%	9%	2%	-
	2012-13	48	4%	31%	10%	4%	6%	2%
	2013-14	57	2%	16%	14%	25%	7%	-
SYBCOM	2011-12	300	27% (First Class - Semester System not applicable)	44% (Second Class)	3% (Pass Class)			
	2012-13	291	2%	19%	19%	20%	8%	1%
	2013-14	283	2%	14%	18%	27%	28%	3%
SYBA	2011-12	50	6% (First Class)	32% (Second Class)	30% (Pass Class)			
	2012-13	38	-	13%	21%	24%	13%	
	2013-14	47	-	4%	11%	21%	7%	-
SYBSC	2011-12	62	21% (First Class)	32% (Second Class)	03% (Pass Class)			
	2012-	49	6%	39%	27%	2%	-	-



TABLE 25
UNAIDED COURSES

FYBMS	2011-12	63	6%	22%	13%	2%	-	-
	2012-13	60	2%	15%	15%	2%	-	-
	2013-14	56	2%	4%	20%	29%	29%	4%
SYBMS	2011-12	60	55%	20%	10%	5%	3%	-
	2012-13	60	7%	32%	17%	15%	2%	2%
	2013-14	55	2%	4%	20%	29%	29%	4%
TYBMS	2011-12	42	26%	25%	2%	-	-	14%
	2012-13	56	53%	14%	-	-	-	11%
	2013-14	55	-	24%	35%	12%	-	-
FYBCOM(Accounting & Finance)	2011-12	58	9%	53%	16%	9%	-	-
	2012-13	54	2%	56%	24%	2%	-	-
	2013-14	59	14%	32%	27%	7%	9%	-
SYBCOM (A&F)	2011-12	59	78%	7%	7%	2%	-	-
	2012-13	53	8%	49%	15%	10%	-	-
	2013-14	55	11%	31%	30%	13%	5%	-
TYBCOM(A&F)	2011-12	58	86%	3%	-	-	-	8%
	2012-13	56	78%	5%	4%	-	-	9%
	2013-14	52	1%	55%	23%	02%	02%	-



5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The teachers regularly advice the students about the future career options in each stream of study and thereby encourage them to pursue higher education.

Employment notices sent by various organizations are prominently displayed on the notice boards. Very often lectures of guest speakers are arranged related to future careers and employment opportunities in various fields.

The Placement Cell of the College tries to arrange for recruitment of the students. Since the last few years, the Chemistry Department has also been arranging for Career Guidance and Placement.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out? Extra lectures and practicals are arranged for students who are weak in studies and extra notes are provided. As for students who are thinking of dropping out, they are counseled along with their parents and matters are sorted out.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to the students. Provide details of participation and program schedule

The related activities are enlisted below:

SPORTS and GAMES

The Annual Athletic Meet for the **year 2009-10** was held on at the University Sports Ground on. Students and teachers attended in large numbers. The events covered included running, discuss throw, javelin throw, high jump, long jump etc. A staff race for males and females was also arranged.

Mr. Suvarna Makaranda stood third at the inter-university Power Lifting Competition, up to 100 kgs in inter-collegiate competition organized by University of Mumbai.

Shri Prathamesh More won the second place in inter-collegiate competition organized by University of Mumbai. He was selected in the University team and represented the University at the inter-university tournament played in Rajasthan.

Shri Vishal Bhayaje and Shri Mohit Mhatre won the Best Batsman and Best Bowler prize respectively at an inter-collegiate cricket match.

While the intra-college tournaments for table tennis, chess and badminton were held in the first term, the carom tournament was held in the second term.

In the **year 2010-11** the Annual Athletic meet was held on 29th January 2011 at Wilson College Gymkhana Ground. A number of events as mentioned earlier were covered and a good response was got from the students.

The indoor games' schedule followed the same as 2009-10. Mr. Makranda Suvarna bagged the bagged the first prize in the 110 weight category in the inter-collegiate competition of the University.

Mr. Kirakula Dinesh won the second prize in the Monsoon Marathon Inter-collegiate completion held at Jaihind College, Mumbai. Mr. Ritesh Kadam and Mr. Vishal Bhaiyja won the Best Batsman and Best Bowler awards at inter-collegiate cricket matches of the University of Mumbai.

In 2011-12 the Annual Athletic Meet was held on 10th January 2012, at the University Sports Ground. An heartening fact was that our student Mr. Makaranda Suvarna participated in the 2011 Asia power lifting championship which was held in Kobe city, Japan, from 5th to 9th December 2011. He competed in the 120 kg class and one the third



prize with a lift of 265 kg in squat event

Mr. Suvarna was also the recipient of first prize in the 110 kg weight category in the inter-collegiate competition of University of Mumbai.

The college cricket team reached the quarter finals of the inter-college cricket tournament of the university.

The annual athletic meet for the year 2012-13 was held at Wilson college gymkhana on 14th January 2013, where a number of events were held. Our cricket team reached the semi-finals and Mr. Kaustubh Bhotre and Mr. Sarvesh Bhatkar won the Best Batsman and Best Bowler at the inter-collegiate cricket competition.

In 2013-14 Mr. Ronit Jadhav and Mr. Mehboob Shaikh won the 'Best Batsman' and 'Best Bowler Awards at the inter-collegiate cricket tournament.

CULTURAL and EXTRA CURRICULAR ACTIVITIES

Along with academics we always encourage our students to participate in cultural and extra-curricular activities, and we are proud to say that our students both past and present have been excelling on the cultural front.

Students regularly participate in Youth Festival and College Events organized by St Xavier's College, NM College, Bhavan's College, Andheri, KC College, Maharashtra College, HR College, IIT Mumbai etc.

Enlisted below are the achievements of the students in the last three years: **2011-12**

1. At the Youth Festival organized by the University of Mumbai we secured in the final round the second prize in Mime and third prize in Mono-acting.
2. At the Malhar festival organized by St Xavier's College we won the second prize in Bollywood Dance.
3. In the festival Kiran organized by KC College we secured the first prize in Bollywood Dance.
4. At Octave of HR College we won the first prize in Bollywood Dance.
5. As regards the festivals of Hinduja College we won the first prize in Bollywood dancing in Nexus and the first prize in Group dance at Aaroha (NSS activity)
- 6) First Prize was received in group dance in the competition arranged by Maharashtra College.
- 7) First prize in Bollywood Dancing was also received at the event of Elphinstone College.
- 8) The college was the recipient of the third prize for group dancing at Mood Indigo arranged by IIT Mumbai.

2012-13

- 1) At the Youth festival organized by University of Mumbai we received in the final round
 - a) Third Prize –Best Actor in the one-act Marathi Play
 - b) Consolation prize in Mime
 - c) Second Prize in Hindi skit.
2. At BM Ruia college Light vocal singing we received the first and second prizes along with the Rotating Trophy.

2013-14

- 1) At the Youth festival we received:
 - a) Second Prize in the one-hand Hindi play
 - b) First Prize in the Best Actor Award.

5.3.2 Further the details of major student achievements in co-curricular, extracurricular and



cultural activities at different levels: University/State/ Zonal/National/ International etc. for the previous four years.

Our BMS student Mr. Suresh Singh Solanki, General Secretary of the college was selected as University Representative, Mumbai Region on the basis of his CV.

Our NSS Volunteer Ms. Mital Panchal won the best NSS Volunteer Award (female) at the district as well as national level.

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The college takes a strong note of the feedback from its alumni and in rare cases their employers. Efforts are made to work on the positive suggestions and thereby attempt to enhance the quality of the institution.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine and other materials? List the publications/materials brought out by students during the four academic sessions.

Students have been regularly contributing to Vivasvan, the college magazine which is brought out every year.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The college has a Student Council, which is constituted according to the norms stipulated by the University of Mumbai. While the Principal or Head of the institution is the Chairperson, the Council has a Staff Representative, NSS Program officer, Teacher in charge of Sports, 2 Lady Representatives, one NSS representative; one Cultural representative, one Sports representative and various class representatives who are the toppers in their respective classes. The reservation criterion is also adhered to.

The Council is an intermediary between the students and the college authorities. The Council organizes various programs and days. It helps solve the grievances of the students and thereby contributes to the overall development of the institution.

The following was the constitution of the Student Council for the academic year 2013-14

- 1) Dr. (Mrs.) Medha. J. Gupte Chairperson
- 2) Dr. (Mrs.) Veena. H. Joshi Staff Representative
- 3) Prof (Ms.) Rina Dhonde NSS Program Officer
- 4) Mr. A.S. Gaikwad Teacher In charge of Physical Education
- 5) Ms. Heril Gala Secretary of the Council
- 6) i) Ms. Heril Gala Lady Representative
- ii) Ms. Suvarna Ahire Lady Representative
- 7) Student Representatives for following activities:
 - a) Mr. Chetan Gavane NSS
 - b) Mr. Sanjay Parghi Cultural
 - c) Mr. Kaustubh Bothare Sports
 - 8) Class Representatives
 - a) Mr. Avdhoot Desai FYBA
 - b) Ms. Nikita Bapodara FYB.Sc.
 - c) Mr. Yash Jariwala FYB.com.
 - d) Ms. Salomi Sankpadar SYBA.
 - e) Ms. Purna Sansare SYBsc.
 - f) Mr. Santosh Gupta SYB.com.
 - g) Ms. Rohini Shaikh TYBA.



h) Mr. Munshi Ismail	T.Y.B.Sc.
i) Ms. Oshin Jiwarak	T.Y.B.Com.
j) Ms. Vaibhavi Shirke	F.Y.B.Com.(Accounting & Finance)
k) Mr. Rajan Singh	S.Y.B.Com.(Accounting & Finance)
l) Ms. Charmi Shah	T.Y.B.Com. (Accounting & Finance)
m) Mr. Samer Maurya	F.Y.B.M.S.
n) Ms. Urvi Gala	S.Y.B.M.S.
o) Mr. Sharad Podalkar	T.Y.B.M.S.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

1) Student Council;

This body mainly acts as a liaison between the authorities and the students. It also helps in planning out and organizing days and events of the college.

2) College Women Development Cell;

It aims at creating awareness among girl students about their rights and the need to initiate measures to ensure their safety. It also collaborates with different NGOs to arrange lectures on themes related to gender issues.

3) NSS.

This is a body whose objective is development of personality of the students through community service. This is best reflected in the motto of NSS, 'Not Me but You'. It emphasizes the understanding of the needs of the community in which they work.

The college has a strong NSS Unit which has been organizing a number of social service programs such as Blood donation drive, Thalassaemia checkup, anti-addiction drive, awareness of water borne diseases, tree plantation project, road safety awareness, disaster management, etc.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the institution?

The college has an Alumni association who regularly meet to chalk out programs and scheme of action in consultation with the college authorities. A number of schemes and projects are carried out with the objective of improving the image of the college.

Any other information regarding Student Support and Participation which the college would like to include.

- 1) The college has been an Alma Mater for students who have excelled in all walks of life, be it academics, political, mass media or corporate. Eminent personalities like Shri Ashokrao Chavan, Shri Murali Deora, Shri DP Sawant, Shri Latif Sheikh, Shri MN Welling, Dr.(Mrs.) Harsha Mehta, Shri Laxmikant Berde, Shri Mahesh Manjrekar, Ms. Swaroop Sampat, Shri Rahul Mukherjee, Shri Vaibhav Ghuge, Ms. Pallavi Patil, Mr. Aashish Athalye are all our alumni;
- 2) The college has a number of Scholarships & Awards, been given by the past and the present staff.
- 3) The college students have won a number of prizes in Academics/ Cultural/Sports fields' at all levels be it inter-college, state or national levels.
- 4) The college is very sensitive to the problems of women and has supported the weaker sex on several issues.



CRITERION VI GOVERNANCE, LEADERSHIP AND MANAGEMENT





CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

“The re-integration of Bharatiya Vidya, which is the primary objective of Bharatiya Shiksha can only be attained through a study of forces, movements, motives, ideas, forms and art of creative life energy through which it has expressed itself in different ages as a single continuous process”.

Kulapati Dr. K.M. Munshi

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for future etc.?

Bhavan's Hazarimal Somani College of Arts & Science, and Shri Jayaramdas Patel College of Commerce & Management Studies, falls under the umbrella of the prestigious Bharatiya Vidya Bhavan, an internationally acclaimed institution, having its spread both within the country and outside, and therefore reminisces with pride on the teachings and principles of its Founder President Kulapati Dr. K.M. Munshi.

True knowledge demands an alert curiosity. Our vision is to help students to be educable rather than educated. We should have a well-integrated personality which can learn and adapt itself to ever changing environment.

As the scriptures rightly say:

'Where there is no vision, the people shall perish'

VASUDHAVA KUTUMBAKAM

'The World is one Family'

Our motto is:

Aa No Bhadraah kratavo yantu vishwatah

“Let Noble Thoughts Prevail”

The Mission Statement of the College is:

'AMRUTAM TU VIDYA'

-

“KNOWLEDGE IS NECTAR”

This appears on the Emblem at the entrance, as well as in all our college documents.

The goals and objectives emphasize the building of an all- round personality of the student.

This will carry him from the cradle to the grave. It will provide him with the fundamentals of education; build a strong foundation with ethical, cultural, spiritual & literary values. Thus he will be educated and trained so as to survive in the world with its rapidly changing technology.

At the entry level, in the Principal's Address, the students and their parents are given a full background of Munshiji's teachings, as also the goals and objectives of the institution. A series of cultural events are organized throughout the year and at every event, be it intra-college, inter-college, state level, national level or international level, the Bhavan's Prayers, encompassing the objectives, are recited before the commencement of any function.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

With adequate support from the management, the Principal and the faculty make optimum efforts to design and implement the plans and policies, for enhancing the quality of the institution.

6.1.3 What is the involvement of the leadership in ensuring:

- ♦ The policy statements and action plans for fulfillment of the stated mission
The college management relentlessly strives towards fulfilling the goals and objectives laid down by our Founder President Dr. K.M. Munshi and thereby keep the candle lit by Munshiji



alive.

- ◆ Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

An Academic Calendar is prepared at the commencement of the year by the members of the Principal's Office. A meeting of the Heads of Departments is called and they are asked to implement the same. Accordingly, the course of action is prepared by each department and efforts made to implement the same to the maximum possible extent.

- ◆ Interaction with stakeholders
Regular programs and meetings are held among all the stakeholders – the students (past & present), parents and staff.

- ◆ Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

Regular meetings are held with the management, members of the Principal's Office and other stakeholders to take stock of the current situation and the requirements for the future. Accordingly a Perspective Plan is designed and worked out to enhance the quality of the institution and the teaching pedagogy.

- ◆ Reinforcing the culture of excellence

The college firmly believes that it is vital to develop academic excellence without in any hampering our rich cultural heritage. As Munshiji said Bharatiya Shiksha must stimulate the student's power of expression both written and oral at every stage, in accordance with the highest possible ideals. This would lead both the students' and the institution to higher heights.

- ◆ Champion organizational change

In keeping with the current trend the college, adapts itself to the changing scenario by initiating organizational changes in keeping as per the needs of the hour.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation

Apart from the IQAC the college has a number of committees, including the Local Management Committee, to monitor and evaluate policies related to their arena. These Committees recommend a number of measures and wherever feasible the college has not hesitated in implementing the same.

6.1.5 Give details of the academic leadership provided to the faculty by the top management

The college management encourages the staff to regularly organize debates, seminars, quiz competitions, poster making etc. They are persuaded to attend seminars, conferences, publish and present papers, undertake research projects, conduct industrial visits and educational excursions and most importantly attend refresher courses and orientation programs.

6.1.6 How does the college groom leadership at various levels?

Our students both in the Junior and Senior College are encouraged to participate in curricular and co-curricular activities such as seminars, debates, quizzes, poster making, singing, dancing etc. Each event has group leader. Besides the NSS Volunteers and members of the Students' Council regularly organize programs related to community service. All this makes way for future leadership. We may add that our Alumni Shri Murali Deora (ex-Union Minister), Shri Ashok Chavan (ex-Chief Minister of Maharashtra), and Shri D.P Sawant (ex- Minister of State for Higher & Technical Education, Government of Maharashtra) are well known Political Leaders.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

NA

6.18 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management

The Principal is the overall in charge of the college, (both teaching and non-teaching). She is ably assisted by two Vice Principals with respect to the teaching staff and by the Registrar in



case of the non-teaching staff.

The college has a number of committees and associations and it is seen to it that every staff is involved in at least one committee/ association if not more, with specific tasks laid down. This not only instills a sense of responsibility and involvement among the staff, but also helps in participative management. Staff are also encouraged to organize/attend seminars and conferences thereby honing their organizational skills.

The existence of student bodies like the Students' Council provides an opportunity for providing leadership qualities at the grass root level.

6.2 Strategy Development and Deployment

6.2.1 Does the institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed? Teaching Plans are prepared by respective Departments and departmental meetings called to oversee the completion of syllabus. In fact the college has proposed to informally start academic auditing from this academic year to assess and evaluate the quality of the institution.

There are a number of committees and associations which have been formed. The activities of the associations provide a platform for bringing out the innate talents of students, which in the long run help in developing the overall personality of the students.

Mention must be made here of our customary intra-college festival 'KALASHREE' which concentrates on finer arts and helps hone the abilities and capabilities of our talented group of students.

6.2.2 Does the institute have a perspective plan for development? If so give the aspects considered for inclusion in the plan.

Regular meetings of the Principal's office are held to take stock of the situation and plan out the future course of action. Likewise at the meetings of the Local Management Committee, where representatives of management are also present, important issues plaguing the college particularly paucity of space and outdated infrastructure, are discussed and measures suggested.

The aspects considered for inclusion are renovating laboratories, further equipping the college library, creation of additional classrooms, upgrading computer technology, fostering the already existing research culture etc.,

6.2.3 Describe the internal organizational structure and decision making processes

The college administration is well-planned out and is efficiently managed. At the apex of the organization structure is the Governing Body, basically consisting of Representatives of the Management. Next in line is the Principal who also happens to be the Ex-Officio Member of the Governing Body.

The Principal is assisted by 2 Vice Principals of the Degree College. In addition the college has a Junior college, which has a Vice Principal & Supervisor. The latter help the Principal in the functioning of the Junior College.

At the next level we have the Heads of various Departments who form a core component of the organization structure. They act as a vital link between the teaching staff, the Principal and the Vice Principals. They provide valuable feedback at the grass root level.

Parallel to the teaching staff team, we also have the Library staff and the non-teaching staff. The head of the non-teaching staff is the Registrar, who is in charge of general administration. He is ably assisted by the Superintendent, Head Clerk, Junior and Senior Clerks, assistants and attendants.

The organizational structure is depicted through the accompanying chart (**Annexure 4**)

The Principal is further assisted by a number of statutory and non-statutory committees as follows:

- 1) Local Managing Committee;
- 2) Principal's Office;
- 3) College Women Development Cell (CWDC);



- 4) Anti Ragging Committee;
- 5) Special Cell;
- 6) Grievance Committee;
- 7) Examination Committee;
- 8) Unfair Means Inquiry Committee;
- 9) Students' Council;
- 10) NSS;
- 11) Attendance Committee;;
- 12) Gymkhana Committee;
- 13) IQAC;
- 14) Research Committee;
- 15) Alumni Association;
- 16) Parent Teacher Association;
- 17) UGC XIIth Plan Committee.

NON-STATUTORY

1. Discipline Committee;
2. Magazine Committee;
3. Cultural Activities Committee, including College Day Committee;
4. Prize Distribution Committee;
5. Library Committee;
6. Purchase Committee

To broaden the outlook of the students and nurture their talents, the college has various associations. The associations in turn encourage the participation of students in co-curricular activities. In addition we have a 'Staff Academy' for our teaching staff. Half yearly lunches and arrangement of guest lectures and entertainment programs, apart from facilitating greater interaction between the college teaching fraternity, also helps in widening and updating the knowledge and skills of the teachers. In addition the Academy also serves as a platform for felicitation of retiring staff members.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

♦ Teaching & Learning

The college authorities relentlessly strive towards ensuring an effective teaching learning process by:

- 1) Recruiting qualified and competent staff, while taking cognizance of the Reservation Quota;
- 2) Providing excellent library facilities;
- 3) Equipping the students with laboratory facilities;
- 4) Making provision for free internet access during the working hours of the college;
- 5) Encouraging staff and students to attend/organize workshops and seminars and conferences and publish papers;
- 6) Developing a Research Culture through establishment of Research Labs and encouraging teachers to undertake research projects;
- 7) Conducting periodical tests and assignments as per the stipulations to assess and evaluate the students' understanding of the subject.

♦ Research & Development

Every effort is made to inculcate and imbibe research oriented approach via the following ways:

- 1) 2 Research Laboratories in the subjects of Chemistry and Zoology are operational in the college;
- 2) Teachers are encouraged to pursue research by helping in getting FIP Leave sanctioned. Several teachers have availed of this leave to complete their Doctoral Program;



- 3) Dr S.V Rathod has applied for 16 Patents and Dr.S Deshbhratar has applied for 1 Patent
- 4) The college offers MSc. and PhD in Chemistry and M.Sc. in Zoology by Research;
- 5) Professors are encouraged to undertake Minor and Major Research Projects.
- 6) Teachers regularly attend/organize workshops, seminars, conferences etc and present and publish papers.

◆ Community engagement

Community Services of the college is generally performed through the NSS unit. The college is fortunate to have a very strong NSS unit. The objective of the NSS is development of personality of the students through community service. The motto of NSS, 'Not Me but You' emphasizes the understanding of the needs of the community in which they work. In an effort to sensitize the students to the needs of the weaker sections of society and impart a sense of charity a Donation Drive was conducted by the NSS Unit of the college, on 31st January 2012. The volunteers collected donations from the college students in the form of clothes, toys, books etc.

In August 2012, volunteers collected unused medicines worth 3,000/ or more from their neighbors. These in turn were donated to Charitable Trusts.

In September 2012, Clothes Collection Drive was carried out for victims of Assam Riots. A Clothes Donation Drive was also organized in February 2013, where clothes were distributed among the street children in and around Chowpatty. Residential Camps were organized from 24th November to 30th November 2012 and from 6th to 12th November 2013 in Shivbhakta Adivasi Ashramshala for the benefit of the tribal villagers.

The NSS Unit along with The College Women Development Cell organized a Talk on the issue of eve teasing. Posters on 'Save Girl Child' were prepared and displayed during the Program.

The Students' Council in collaboration with the NSS Unit and the College authorities organized an Anti – Smoking Week to generate an awareness among the general public about the ill-effects of consumption of tobacco. The program included Poster Competition, Street Play, Mock Parliament and a Massive Rally.

Regular lectures are arranged on Drug addiction, Self- Defence and on Gender related issues. The college with the help of our Alumni has started Martial Arts, with the objective of providing safety measures to the girl students.

Human Resource Management

The institution recruits staff, both teaching and non-teaching as per the guidelines laid down by the University of Mumbai and Government of Maharashtra. Several Committees form an integral part of the functioning of the College. Appointment of staff members on various Committees instills in them a sense of responsibility and goes a long way in contributing to the improvement of the quality of education imparted.

◆ Industry interaction

Industrial visits are regularly arranged for BMS, Bcom (Accounting and Finance), Bcom and B.Sc. students

In addition guest lectures by experts from the corporate world are periodically arranged to keep the students abreast of the current situation.

6.2.5 How does the head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for top management and the stakeholders, to review the activities of the institution?

The Principal duly informs the management about day to day functioning of the college. An annual Report of the college is published in the Bhavan's Journal. The Local Managing Committee has representatives of Management, Teaching and Non-teaching staff. Generally two meetings are held in a year. It provides just the right platform for interaction of views and ideas and discussion of the current college activities and the prospects for the future.

'VIVASVAN' the annual college magazine summarizes the college activities during the related academic year.



- 6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional process?
Regular staff meetings are held by the Principal to discuss important matters and get feedback as per the situation. Various Committees have been formed to ease the institutional process and efforts are made to see that all staff members are appointed on at least one Committee. This creates a feeling of involvement leading to improvement in the performance of the college.
- 6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.
- 6.2.8 Does the affiliating university make a provision for according the status for autonomy to an affiliated institution? If 'yes' what are the efforts made by the institution to obtaining autonomy?
Yes the university has provision for granting autonomous status to colleges. However, we have not applied for autonomy.
- 6.2.9 How does the institution ensure that grievances/ complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?
The college has a Grievance Redressal Cell constituted as per the guidelines laid down by the University of Mumbai. Any complaint is carefully scrutinized by the Committee, a Report is made and the same submitted to the Principal for further necessary action.
In addition the college has a Counseling Centre and a Suggestion Box. The complaints are looked into and remedial action is taken.
- 6.2.10 During the last four year has there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?
Yes earlier Principal Dr(Mrs.)Susy Kuriakose was suspended by the Governing Body on 20th March 2009. An inquiry was instituted and on the basis of the Report Dr. Kuriakose was dismissed from service on 12th July 2011. Consequently she approached the University Tribunal and at present the matter is subjudice.
- 6.2.11 Does the institute have a mechanism for analyzing student feedback on institutional performance? If 'yes' what was the outcome and response of the institution to such effort?
A regular student feedback of the concerned teachers is taken from the students, reports are analyzed and suitable action taken.

6.3 Faculty Empowerment Strategies

- 6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?
Both the teaching and non-teaching staff are always encouraged to enhance the professional competencies. Several of our teachers pursue further studies. They are permitted to attend workshops/seminars and present papers, duty leaves are allotted for the same and registration fees paid by the college.
In this context we would like to mention that Mr. Munde Lab Assistant in the Biology Department of our college has been appointed as an Assistant Professor of Economics in a College, affiliated to the University of Mumbai.
Our institution also facilitates the arrangement of FIP leave for teachers pursuing their Ph.D. Of the teachers who have availed of FIP leave in the last few years, Prof B.H Patil of Marathi Department has completed his Ph.D. and Prof Priya Mital of the Department of Political Science has submitted her thesis.
One of our teaching staff members Prof B.D Ambore from the Chemistry Department is currently on leave for Ph.D. Two other teachers Prof M Patwardhan from the Sociology Department and Prof Varsha Sonawane/ Mallah from the Commerce Department are eagerly awaiting the completion of formalities before proceeding on FIP Leave.
- 6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibilities they perform?
Staff both teaching and non-teaching are always encouraged to attend Seminars, Workshops,



Orientation and Refresher Courses, where duty leave is granted and the registration expenses are borne by the college. Workshops and Seminars are regularly organized by the college. This instills in them a spirit of involvement apart from providing an opportunity to hone their organizational skills.

The extra-curricular achievements of the teachers are noted in their personal files/ service books and self-appraisal forms. This acts as a motivation, because these points are noted when their cases are analyzed for career advancement by external agencies.

- 6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal. At the end of the academic year every teacher submits a Self-appraisal form. This is accompanied by remarks by the heads of the respective departments, which are finally ratified by the Head of the institution.

Confidential Reports are also collected from the Heads of Departments. This helps in taking suitable remedial measures wherever found essential.

- 6.3.4 What is the outcome of the review of the performance appraisal reports by the management and major decision takers? How are they communicated to the appropriate stakeholders?

The self-appraisal reports are placed before the management representatives and a comprehensive action plan is designed and implemented.

At the Local Management Committee Meetings important issues are discussed, such as building renovation, granting fee concessions to wards of staff, improvement of college infrastructure etc. The recommendations are followed on a priority basis.

- 6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such scheme in the last four years?

Being a Grants-in-aid college, the staff members are entitled to medical reimbursement from the Government of Maharashtra. The staff both teaching and non-teaching are covered under the State Government Pension as well as Gratuity Scheme.

On the demise of a staff while in service, the spouse is accommodated in administrative service on compassionate grounds, after seeking appropriate approval from the concerned authorities. This will help meet the financial loss caused by death of the concerned staff.

There is a tea club just behind the staff room on the fourth floor, where a staff is employed to provide tea/coffee facility to the staff at no profit/no loss basis.

Newspapers, both English and Marathi are provided in the library and the Staff Common Room. In addition there is a Reading Room for the staff on the mezzanine floor of the college library.

Newspapers, Magazines, Periodicals, Journals can be provided to them.

Various programs are arranged by the Staff Academy for the benefit of the staff. A one day cricket match between the teaching and the non-teaching staff is now a routine annual affair.

Both the teaching and non-teaching staff of the college arranges a farewell function for those who have retired on super annuation or have taken voluntary retirement. A token of appreciation is given on the occasion, embodying a sense of respect and recognition of the services rendered.

- 6.3.6 What are the measures taken by the institution for attracting and retaining eminent faculty?

The college is firmly grounded on the principles of our Founding President, the illustrious Kulapati Munshiji and therefore relentlessly strives towards maintaining the quality of teaching. Our aim is to take the institution to greater heights. The atmosphere of congenial and favorable teaching environment is best reflected in the fact that many of our current teachers have over 25 years of dedicated service.

The advantage of prime location and sound experience always encourages young talent to join the teaching profession of our college, thereby paving the way for a better future.

6.4 **Financial Management and Resource Mobilization**

- 6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

While the external audit is conducted by an independent firm of Chartered Accountants, an



assessment audit is carried out by the office of the Joint Director of Higher Education Mumbai Region, the state government and by the Accountant General of Central Government (Maharashtra Circle, Mumbai.) The college has successfully completed audit up to 2009-10. We may add here that the audit carried out by the office of the Joint Director of Higher Education, Mumbai Region was successfully conducted in October 2014.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

An annual internal audit is carried out by an independent firm of Chartered Accountants and queries raised are clarified by the concerned staff. Further external audit is conducted by the office of the Joint Director, Mumbai Region and to date no major objections have been raised by the concerned audit officers. Recommendations made by the external officers are dutifully implemented. * The major sources of funding are detailed below:

Aided Section

- ◆ Tuition fees collected from the students;
- ◆ Government grants received through salaries of the teaching and non-teaching staff;
- ◆ Funds from various UGC Schemes.

TABLE 26

Audited data for Income and Expenditure for the last five years – (Aided)

Sr. No	Particulars	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
1.	Total Income	31218453	46120328	49877002	57737416	78450441
2.	Total Expenditure	30581292	43993416	51253559	58260323	79991879
3.	Total Fund Available	637161	2126912	(1376557)	(522907)	(1541438)

Unaided Section

The self-financing Courses are run through fees collected from students.

TABLE 27

Audited data for Income and Expenditure for the last five years – (Un-Aided)

Sr. No	Particulars	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
1.	Total Income	6039980	6054828	5735857	6138248	6023778
2.	Total Expenditure	3072331	5445704	9451184	4945626	4823127
3.	Total Fund Available	2967649	609124	(3715327)	1192622	1200651

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four year and the reserve funds/corpus available with the institution if any.

The college has been having a deficit budget since the last few years. While the non- salary grants have been stopped by the government, the salary grants are only used for payment of salaries. Fees received from the students are used for day to day activities. At times funds from the unaided section are transferred to the aided section to facilitate college functioning.

Audited Income Expenditure Statement for last four years (**Annexure 5**)

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any). The details are displayed in the table given below



TABLE 28

Year	Name of Department	Name of the project	Name of funding Agency	Total Grant Received	Utilization
2009-10	-	-	-	-	-
2010-11	-	-	-	-	-
2011-12	Botany & Zoology	Minor Research	University of Mumbai	15,000	Completed
	Chemistry	Minor Research	University of Mumbai	25,000	Completed
2011-12 & 2012-13 (two years)	Chemistry	Minor Research (2 years)	UGC	1.30.000	Completed
	Botany	Minor Research (2 years)	UGC	1,00,000	Completed
	Botany	Minor Research (2 years)	UGC	1.10,000	Completed
2012-13	Botany-Chemistry	Minor Research	UGC	1,20,000	Completed
2013-14	Economics	National Seminar	UGC	1,00,000	Completed
	Botany & Zoology	National Conference	UGC	1,50,000 (1,12,500 received)	Completed
			NABARD	50,000 (sanction)	Completed

6.5 Internal Quality Assurance System (IQAC)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed to institutionalizing the quality assurance processes?

Yes the college does have an Internal Quality Assurance Committee, formed in March 2005. The Committee in its regular meetings discusses various shortcomings of the college and makes suggestions. The IQAC can be credited with working on the feedback of students, extending internet connections, setting up of Counseling Centre etc.



The IQAC members after the conclusion of their meeting meet the Principal to discuss the deliberations and make efforts to find solutions.

b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

IQAC decisions of improvement in teaching, laying greater emphasis on research, obtaining additional computers, expanding internet facilities have been heeded to by the management/authorities.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Till last academic year, that is 2013-14 no external members were part of the IQAC Committee. However, with the new stipulated composition external members have been co-opted.

d. How do students and alumni contribute to the effective functioning of the IQAC?

We always believe that students constitute the life and blood of any educational institutions and efforts are made to encourage them to contribute to the quality enhancement of the institution. We are very proud to have very innovative and energetic group of students, both past and present, who painstakingly work towards improving the working of the college. While the present students have helped in the launching of the college web-site, organizing events and functions which are related to the current scenario, putting forward positive grievances, the alumni helps in Placement, motivational lectures and organizing debates. This strengthens the smooth functioning of the IQAC.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

There are regular interactions arranged between parents, students and alumni, the outcomes of which are conveyed to the authorities.

The staff are encouraged to improve their quality of teaching, make use of technological aids, organize seminars, debates and competitions, publish papers, conduct research, involve in day to day functioning of the college and gear up for NAAC visits by helping in the compilation of the Assessment Report.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes' give details on its operationalization. The functioning of the college is divided into two branches – teaching and non-teaching. The Principal is the overall in charge of both branches.

The Vice principals along with the Heads of Departments supervise the functioning of teaching, the non-teaching comes under the surveillance of the Registrar who is ably supported by the Superintendent, Head Clerk and other staff.

Representatives of both teaching and non-teaching staff form part of IQAC of the college.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact. Members of the IQAC attend workshops/seminars organized by institutions. The deliberations are conveyed to the staff and changes wherever feasible are implemented informally.

6.5.4 Does the institute undertake Academic Audit or other external review of the academic provisions? If 'yes' how are the outcomes used to improve the institutional activities?



- To date No, but unofficially the process has begun in the year 2014-15.
- 6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?
Every attempt is made to align the internal quality assurance mechanism in keeping with the stipulations laid down by the external authorities. The annual IQAC Report is duly prepared and sent, student feedback taken, alumni and parent teacher meetings held along with some healthy practices.
- 6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?
At the beginning of the academic year the Principal informs the staff about the terms. The heads of different departments then call respective meetings and prepare academic calendars and lecture distribution schedule.
Regular meetings of heads of departments are called by the Principal to review the teaching-learning process and monitor the completion of the syllabus. Class tests, assignments and projects are assigned. In addition seminars, quizzes related to the field of study are organized.
While the brighter students are given additional information, remedial lectures/practicals are held for the weaker ones.
- 6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?
The quality assurance policies are communicated through meetings, display of notices on the notice board, uploading on the website and through interactions with the parents and the alumni.
The Principal updates the management with the functioning of the college. In addition the Local Managing Committee which comprises representatives of both Management and staff provides just the right platform for the interaction of views and ideas and implement schemes for betterment of the college.
- Any other relevant information regarding Governance Leadership and Management which the college would like to include:**
- 1) The college firmly believes in involvement of staff in the functioning of the college. This is revealed when one sees the composition of the various committees. All staff members (permanent and temporary) form a part of at least one college committee;
 - 2) Our institution strictly follows the University guidelines when recruiting staff. We can proudly say that we have filled all the Reserved Posts in the college according to the quotas assigned;
 - 3) One of our lab assistants Mr. Sanjay Munde has been appointed as Assistant Professor in BNN College, Bhivandi,, Mumbai;
 - 4) Efforts are made by the college to retain the competent faculty by involving them in important activities;
 - 5) The college has been an Internal Quality Assessment Cell since 2005.

CRITERION VII INNOVATION AND BEST PRACTICES



'KALASHREE'— OUR ANNUAL EVENT WHICH ENCOURAGES STUDENTS TO SHOWCASE THEIR TALENT. STUDENTS CAN BE SEEN COMPETING IN THE RANGOLI MAKING COMPETITION.



PROF. (MRS.) MANJUSHA PATWARDHAN RECITES THE BHAVAN'S PRAYER – A PRACTICE FOLLOWED AT THE START OF EVERY EVENT.



THE COLLEGE MAINTAINS A WELL-STOCKED LIBRARY TO ENCOURAGE SELF-STUDY AND RESEARCH AMONG THE STUDENTS.



CRITERION VII : INNOVATIONS AND BEST PRACTICES

“The ultimate aim of Bharatiya Shiksha is to teach the younger generations to appreciate and live up to permanent values of Bharatiya Vidya, which flowing from the supreme art of creative life – energy as represented by Shri Ramchandra, Shri Krishna Vyasa Buddha and Mahavira have expressed themselves in modern times in the lives of Shri Ramakrishna Paramahansa, Swami Dayananda Saraswati, Swami Vivekanand, Shri Aurobindo and Mahatma Gandhi”

Ideals of Bharatiya Shiksha

7.1 Environment Consciousness

7.1.1 Does the institute conduct a Green Audit of its campus and facilities?

Located as it is in a sprawling metropolis like Mumbai where educational institutions find it difficult to conduct Green Audit, the college does not conduct a Green Audit. However, regular Awareness Campaigns are organized through NSS, Students' Council and other associations.

7.1.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Energy Conservation

We have well lit spacious classrooms, having the requisite electrical appliances. Care is taken by the students and staff (teaching & non-teaching), to carefully consume electric energy by switching off the fans and lights when not required.

Use of Renewable Energy - NA

Water Harvesting - NA

Check dam Construction - NA

Efforts for Carbon neutrality - NA

Plantation

The college premise is surrounded by a compound wall. A number of plants are maintained in the space between the outer wall of the chemistry department and the college compound wall.

In addition the college has a botanical garden on the fourth floor terrace of the old building where a number of medicinal plants such as Aloe Vera, Tulsi, Neem, Sabjaa, Vinca, Asparagus and ornamental plants like roses are displayed. These plants attract birds and insects such as butterflies, moths, bees, resulting in pollination.

The NSS unit also carries on tree plantation in nearby areas as one of its activities.

Hazardous Waste Management

The science departments of the college ensure that wastes are appropriately treated and disposed. We would like to mention here that the Botany Department carries out vermin-composting to address the problem of solid waste management, which simultaneously provides organic manure to the botanical gardens.

E-Waste Management

The lab technician ensures that the old computer systems are recycled in a proper manner.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

The innovations introduced by the college can be sub-divided as follows:

1. Use of ICT

a) A major step taken by the college was the introduction of online internal test for



students

of unaided section in 2013-14 and was to be extended to the aided section in 2014-15.

However, due to guidelines received from Board of Studies of different subjects, barring the conduct of online tests, the same could not be implemented.

- b) Teachers often give projects/assignments to the students which require surfing of data. The availability of free internet facility during the working hours of the college makes the task easier.
- c) The college administration makes use of MSS's MONIS software for the preparation of salaries of staff and for keeping a track on the fee collection from students. The e-scholarship record makes use of the installed KALP software, while Tally helps accounting tasks.
- d) Our college is a subscriber of UGC N-List Program which provides federated searching tools.

2. Launching of college Website

An encouraging factor is that the college website was launched by our energetic and innovative group of BMS students in February 2012. Making of the website was a project given to the students, which culminated in launching of the website.

3. Others

- a) CCTVs have been installed in the Principal's office, Vice Principal's office (Junior College), Administrative Office, University exam room and in the first floor passage. Apart from providing scope for a general overlook it helps in maintaining discipline.
- b) A Digital Notice Board, installed in 2009, is kept at the main entrance of the college building. It has the advantage of saving paper required in case of important notices.
- c) In keeping with the competitive global environment and the need for research, the college has been taking different steps to foster research. The college today has two Research Laboratories
 - i) Chemistry Research Lab on the Ground Floor of the College old building. The lab which was started in the academic year 2011-12, very soon gained recognition and affiliation from the University of Mumbai, with permission for enrolling 8 students – (together for M.Sc. & for Ph.D.)
 - ii) Zoology Lab on the third floor of the college main building. The lab was affiliated to the University of Mumbai since its inception in 1978. There was a lull in 2004 and the Lab became operational once again from the academic year 2010-11. As regards Patent generation Dr. S.V Rathod has applied for 16 patents and Dr. S. Deshbhratar for 1.
- d) Martial Arts
One of our alumnus Mr. Ajay Kanerkar is conducting Martial Arts classes for the lady students and staff of our college to make them self-defensive in this present world.
- e) Cultural Events
 - i) Our institution conducts flag hoisting ceremony on 15th August (Independence Day), 26th January (Republic Day), & 1st May (Maharashtra Day)
 - ii) The college religiously observes days such as Ambedkar Jayanti, Marathi Bhasha Diwas, etc
 - iii) Guru Purnima, Haldi Kumkum, Women's Day, Ganesh Puja during the Ganapati season, Worship of equipments during Dussera are occasions which are celebrated.
 - iv) The general dress color code is observed during the Navratri Celebrations



generating a sense of festive aura.

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format see page Which have contributed to the achievement of the Institutional Objectives and/or contributed to the quality improvement of the core activities of the college

1. Title of the Practice: Integration of Traditional Values with Contemporary Practices:

2. Goal:

- Bhavan's Hazarimal Somani College of Arts & Science and Jayaramdas Patel College of Commerce and Management Studies falls under the umbrella of Bharatiya Bhavan and reminisces with pride on the principles and teachings of its Founder President Kulapati Dr. K.M Munshi, a Philosopher, an Educationist and a Pioneer in the framing of the Constitution. The teachings of Munshiji form the founding pillars of our institution.
- In Munshiji's own words "Education is at least a potent means of preserving and propagating the best and noblest in our culture and this 'best' and noblest' is nothing but SATYAM SHIVAM SUNDARAM – TRUTH, LOVE & BEAUTY. Education is something more than the academic studies, discipline, knowledge and the ideas contained in the books.

Our college steadfastly tries to follow the sayings in all its activities, thereby attempting to bring a synthesis between curricular and co - curricular activities. Academics is no doubt given top most priority but in no way do we promote it at the cost of our rich cultural heritage.

- According to Munshiji the progressive development of the human personality constitutes the progress. Based on these lines the college organizes a number of events, competitions, seminars and conferences which help in bringing out the innate talents of students, build their personality and nurture and foster leadership qualities among them.

Munshiji lay emphasis on 'formative' education rather than on 'informative' one, creativity, on the development of "Svabhava; his conception of the teacher as an apostle of culture and of the students as an artist in the process of self-sculpture, these are matters worth the careful consideration of all those who have the best interests of Indian education.

- National integration is a well-accepted concept and the college does not discriminate between staff and students on the basis of caste, creed, religion and color. Sarva Dharma Samabhava (All religions are equal) is followed to generate a spirit of oneness, nationalism, patriotism, mutual love and respect for each other.

3. The context

Munshiji's contributions in every field are so stupendous that it becomes very difficult to pen them down. Our college religiously tries to follow his teachings. We try to provide a value-based life through promotion of ethical and spiritual values.

The Bhavan ceaselessly strives to carry forward India's ageless message of Faith, Self-Discipline and Dedication:

SHRADDHA SAMAYAMA

have been repeatedly understood in all its educational and cultural activities: yet simultaneously it has been observed that change is in keeping with the changing laws of life it has been successful in achieving a healthy synthesis between the ancient



cultural values and present scientific ones.

Bhavan's Prayers are recited at the beginning of any college function and a keynote address on Munshiji, Bharatiya Vidya Bhavan and its principles is given by a Representative of Bharatiya Vidya Bhavan on important occasions.

We would like to mention here that in the Arts faculty we have subjects like Sanskrit, Philosophy, and History thereby emphasizing our rich Indian tradition.

THE PRACTICE:

- Bhavan's Prayers are recited at the beginning of any college function;
- Celebration of Ambedkar Jayanti;
- Celebration of Marathi Bhasha Day;
- Satya-Narayan Puja is organized by the non-teaching staff of the college every year;
- Cultural events like Haldi Kumkum, Guru Purnima, 'Women's Day', Teacher's Days are celebrated;
- Just before the commencement of the festive season of Ganesh Chaturthi, Ganapati Puja is celebrated by the Science Departments;
- A day prior to Dussera, worship of equipments is carried on by the Science Departments;
- The NSS unit and the Students' Council of the College carry out a number of events based on need for maintaining clean environment.

Evidence of Success

This practice leads to a healthy environment which is serene and soothing. This provides a ground for bringing together the staff and students on matters which are related to our rich cultural heritage.

Problems Encountered and Resources Required

In this Modern competitive world with its accompanying technological advancement, the mindset of the current generation is changing. The college does continue with the practices as mentioned earlier. The responses of the students are also encouraging. We have to take more stringent steps in the future to sustain these healthy practices.

2. Title of the Practice: Promotion of Research Culture in the Colleges

Goal:

- It is been increasingly realized that research has to be promoted if one has to survive in this competitive world.
- To encourage faculty members to undertake research related activities such as organize/attend seminars, conference and present/publish papers
- To induce teachers to undertake minor/major research projects Research is being given a lot of importance in recent years by our institution in keeping with the ever changing competitive world. This is facilitated by adequate infrastructure such as well stocked library, equipped laboratories and a computer lab with free internet facility during the working hours of the college. Efforts are being made to implement the assigned projects within the stipulated time period. The college has purchased equipments, updated library facilities and subscribed to Research Journals to keep pace with the changing scenario.
- To persuade teachers to improve their qualifications by pursuing MPhil/PhD and other competitive exams.
- To equip the research labs with the requisite technology.

A) Our institution has two Research Laboratories:

I) Chemistry Research Lab on the Ground Floor of the College old building. The lab



which was started in the academic year 2011-12, very soon gained recognition and affiliation from University of Mumbai, with permission for enrolling 8 students – (together for M.Sc. & for Ph.D.)

ii) Zoology Lab on the third floor of the college main building. The lab was affiliated to the University of Mumbai since its inception in 1978. There was a lull in 2004 and the Lab became operational once again from the academic year 2010-11.

Both the labs have updated infrastructure, equipments, computer and library facilities for the benefit of the staff and students.

B) Teachers are encouraged to attend Refresher Courses, Orientation Programs, Seminars/Workshops, present papers, and publish them. Duty leave is granted and the Registration fees are reimbursed.

Students are encouraged to undertake research work. Subject related projects and assignments are given with the sole purpose of providing the students an opportunity to gather information, thereby updating their knowledge. Likewise competitions such as poster making and creation of advertisements are held which apart from updating the students, also lays a platform for the display of skills and talents.

C) To date the college has organized one State Level, three National Level and two International level Seminars on topics related to economics, education, environmental sciences and research.

Eminent Scientists and Distinguished Scholars such as Padma Vibhushan Awardee Dr. Anil Kakodkar, Padma Bhushan Awardee Dr. B.M Hegde, Dr. J. Tilak from NUEPA New Delhi, Dr. Chandrahas Deshpande from MEDC, Dr. Abhay Pethe, Dr. Dolly Sunny, Dr. Ajit Karnik from Department of Economics University of Mumbai, Dr. Vibhuti Patel from SNDT Women's University, Mr. Venkatramani from TCS, Dr. Sunil Patil from Symbiosis Pune and Dr. Wankhede from TISS, Dr. ST Tilak from Pune Dr. Jogdand, Dr. Abid Munshi, Dr. Ramchandra Rao, Dr. Rajan Velulkar Vice Chancellor University of Mumbai, Dr. Rajpal Hande Director BCUD University of Mumbai etc, and International Scholars such as Dr. Kishore Kulkarni from Metropolitan College, Denver, USA and Dr. Justin Paul Faculty University of Washington, USA have visited our college and actively participated in Seminars.

D) The college has a well-stocked library having a wide range of books. The facility of INFLIBNET provides access to several on-line Journals.

OBSTACLES FACED

Free internet access is available during the working hours of the college.

- ◆ The institution has a well-stocked library with special reading facility for the staff
- ◆ The number of PhD Awardees has increased from 4 in 2004 to 11 in 2014 and 7 more are pursuing the same
- ◆ The college helps in the disbursement of funds from the UGC and other like bodies for teachers who are availing of FIP leave and those who have undertaken Minor/Major Research Projects
- ◆ 6 Minor Research Projects are submitted

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

As mentioned earlier paucity of space remains a major hurdle, though every effort is made by the college to accommodate the same. Being a Grants in Aid college financial constraints



POST ACCREDITATION INITIATIVES



THE CHEMISTRY RESEARCH LABORATORY AND THE ZOOLOGY RESEARCH LABORATORY.

PROF. V. SHROTRI INTERACTING WITH PARENTS IN THE P.T.A. MEETING.



VARIOUS STATELEVEL, NATIONAL LEVEL AND INTERNATIONAL SEMINARSHAVE BEEN CONDUCTED IN THE PRESENCE OF ESTEEMED GUESTS LIKE HON.SHRI.AYANTRAO PATIL (LEFT), HON.SHRI.SURESH PRABHU (CENTRE), HON.SHRI. ASHOK CHAVAN (RIGHT).



EMINENTLEADERSIN THE FIELD OF ECONOMICS, EDUCATION, POLITICS AND MEDICINE AND SCIENCE LIKE DR. ANIL KAKODKAR (LEFT), SHRIJAYANTRAO PATIL(CENTRE) AND DRB. M. HEGDE(RIGHT) HAVE GRACED MANY SUCH SEMINARS.



Post Accreditation Initiatives:

The first Peer team visit in February 2004 and their subsequent findings has been an eye-opener in many ways. While our achievements have been lauded, they have also spelt out our shortcomings. The college has tried to work on its weaknesses and carry out a number of initiatives which are detailed below.

Curricular Aspects

- ❖ The college has introduced five new Courses namely:
 - 1) Bcom (Accounting & Finance);
 - 2) Mcom (Management);
 - 3) MSc (by Research) in Chemistry
 - 4) MSC (by Research) in Zoology; and
 - 5) PhD in Chemistry.
- ❖ Lectures and Seminars are arranged relating to the curriculum. An example of this is the Advertisement making Competition organized by the Department of Commerce every year.
- ❖ The Department of Chemistry organized a Workshop on TY Bsc Syllabus in collaboration with the Board of Studies (Chemistry) in March 2013.
- ❖ In March 2014 internal examinations were conducted, for the unaided section, online. The success of the endeavor resulted in the decision of the college authorities to extend this facility to the aided section. However, in view of the guidelines received from the Board of Studies of various subjects barring the same, we could not implement the same.

Teaching- Learning and Evaluation

- ❖ The Board of Studies in Sociology appoints teachers, of colleges affiliated to the University of Mumbai, as members of the Syllabi Committee for Sociology. Prof.(Mrs.) M.Patwardhan, of our college, was accordingly appointed as a member of the Syllabi Committee for Sociology Paper II at the SYBA level for the academic year 2012-13 and TYBA Papers VI and VII for the year 2013-14. In addition several of our teachers, particularly from the Arts and Commerce faculties, are University Paper Setters.
- ❖ The minimum college timings for all faculties, particularly for the Commerce stream, following the earlier Peer team observation, has been extended from 7 10 AM to 12 22 PM. This is in keeping with the UGC requisite time stipulations.
- ❖ While the brilliant students are encouraged to excel in their fields of skills and performance, special attention is paid to the academically weaker and handicapped students. Examples are: 1) Formative Foundation Course for the academically weaker and handicapped students is regularly conducted by the Physics Departments in March/April every year; 2) The Department of Sanskrit prepares the weaker students for the basic Sanskrit exams conducted by Bharatiya Vidya Bhavan.
- ❖ The college arranged an Anti-Smoking Week in December 2012 to highlight the ill-effects of smoking. This was inclusive of Poster Competition, Street Play, Mock Parliament and Massive Rally.
- ❖ A regular teacher feedback is taken. Teachers with poor scores are called by the



Principal and warned that if they do not improve strict action will be taken.

- ❖ The number of teachers holding PhD Degree has increased from 4 to 14, while many are pursuing the same.
- ❖ The college website was developed and launched by our group of energetic and innovative BMS students, without any external help.

Research, Consultancy and Extension

- ❖ Research was one area which was our shortcoming in the first NAAC visit. The college has been giving a lot of importance to research in keeping with the changing competitive world. This can be seen from the following:
 - 1) The College has two Research Laboratories:
 - a) Chemistry Research Laboratory; and
 - b) Zoology Research Laboratory
 - 2) Our teachers are encouraged to organize/attend and present Papers at Seminars/Workshops/Conferences etc.
 - 3) Many of our teachers undertake Minor/Major Research Projects. They also have several Publications (National and International) to their credit.
 - 4) Dr. SV Rathod has applied for 16 Patents and Dr. S Deshbhratar for 1.
 - 5) While Dr. Rathod and Dr. Deshbhratar are recognized PhD Guides, several of our teachers have gained recognition for Post Graduate Teaching.
- ❖ To date the college has organized one State level, three National level and two International Seminars. Three of these have been on the theme of Higher Education.
- ❖ The Science Departments organize Programs like Chemcaster, Biozac, and Quantaziks. Several school children participate in some of them.
- ❖ The College has a strong NSS unit who collaborates with Mumbai Police and other public authorities on community and environment based issues.
- ❖ We have a Counseling and Guidance Cell which looks after issues which are socio/psycho in nature.
- ❖ There is a Placement Cell to take care of on campus recruitment of students.

Infrastructure and Learning Resources

- ❖ The college has a full-fledged Canteen. It serves sumptuous food at subsidized cost to both the staff and the students.
- ❖ Water coolers with filters have been installed on every floor, departments, Principal's office, administrative office and staff common room.
- ❖ The college has a well - stocked library. OPAC terminal has been installed at the entrance of the library to facilitate searching of library catalog. Adobe Digital Edition is made to borrow electronic resources online. Our college is a subscriber of UGC N List Program which provides federated searching tools.

Student Support and Program

- ❖ Our student Mr. Dhavnish Shukla stood sixth at the TYBcom University examinations of March 2013 and was felicitated by the Vice Chancellor of the University of Mumbai.
- ❖ Our General Secretary of the Students' Council Mr. Suresh Singh Solanki was selected as



University Representative for the year 2012-13 on the basis of his Curriculum Vitae.

- ❖ The college has a strong College Women Development Cell (CWDC) which has taken certain stern decisions in the past.
- ❖ We have a registered Alumni Association who has conducted several programs. Notably among them being a motivational lecture by our alumnus Shri Aashish Athalye (Vice President – Internal Auditing, Kotak Mahindra Bank); and a debate arranged by Shri Rupen Doshi on “Western Culture ki Jai?”.
- ❖ Our Alumnus Sri Ajay Kanerkar is conducting Martial Arts Classes for female students and staff to make them self-defensive.
- ❖ The college has a Parent Teacher Association. The topics of discussion are attendance, performance and any related problem.
- ❖ We always pride ourselves in having a group of culturally talented students. 'Kalashree' an intra-college cultural event is annually organized. It provides a platform for our students to display and foster their innate talents.

Governance, Leadership and Management

- ❖ One of our Library Assistants Mr. Sanjay Munde has been appointed as an Assistant Professor in Economics at BNN College, Bhivandi.
- ❖ The college has an operational Internal Quality Assessment Cell since 2005

Innovation and Best Practices

- ❖ Flag hoisting is regularly done on 15th August, 26th January and 1st May (Maharashtra Day);
- ❖ Cultural Days like Ambedkar Jayanti, Marathi Bhasha Day, Haldi Kumkum, Women's Day are celebrated;
- ❖ CCTVs have been installed in the Principal's office, Vice Principal's office, administrative office, exam room and in the first floor passage. This helps maintain discipline while giving an overall outlook.