

VIDYA PRASARAK MANDAL'S
B.N.Bandodkar College of Science,
Thane
NAAC Re-Accredited "A" Grade

PROPOSAL FOR BEST COLLEGE



Vision: Imparting Quality Education in Science.

**Mission: To mould students into rational thinkers,
competent workers and socially aware
citizens.**

Application for Selection of “Best College”

To,
The Vice-Chancellor,
University of Mumbai

Subject : Application for selection of ‘Best College : 2009-2010’

Respected Sir,

I am submitting herewith the following information for the scheme of selecting ‘Best College for the Academic year 2009-2010 for your consideration.

Our College is in Urban Area.

Thanking You,

Yours Faithfully

Dr. (Ms) M.K. Pejaver

Principal

**B. N. Bandodkar College of Science,
Jnandweepa, Chendani
Thane (w) 400601**

29th Sept 2010

Founder member of VPM, Late Dr. V.N.Bedekar



Secured Entrance : Gate 01
B.N.Bandodkar College of Science

Smart card entry:



Solid waste Management



Our Website



1)	Name of the College Address Phone Nos. - Fax e-mail	B.N. Bandodkar College of Science, Jnandweepa, Chendani Thane (w) 400601 022-25336507, 022-25401188 022- 25337672 prinbnb@vpmthane.org URL : www.vpmthane.org
	Name of the Principal - e-mail - Phone Nos. - ®	Dr. (Ms) M.K. Pejaver mkpejaver@vpmthane.org 022-25898300
2)	College is situated in Urban / Rural area : Urban	
3)	Academic Results of final year examinations of the last three years:	

A) RESULTS OF THE LAST 3 YEARS (UG COURSES)

Class and Subject	No. of Students Appeared	No. of Students Passed			Any Special merit
		I Class	II Class	Total	
Academic Year 2007-08					
T.Y.B.Sc. (Chemistry)	99	40	54	94	-
T.Y.B.Sc. (Physics)	32	08	15	25	-
T.Y.B.Sc. (Zoology)	37	18	12	30	1 st & 3 rd Rank in the subject at University
T.Y.B.Sc. (Botany)	08	06	02	08	-
T.Y.B.Sc. (Mathematics)	17	11	05	16	2 nd Rank in the subject at University
T.Y.B.Sc. (Statistics)	29	20	08	28	1st Rank in the subject at University
T.Y.B.Sc. (I.T)	64	31	08	54	-
Total =	286	134	104	255	four

Class and Subject	No. of Students Appeared	No. of Students Passed			Any Special merit
		I Class	II Class	Total	
Academic Year 2008-09					
T.Y.B.Sc. (Chemistry)	98	29	54	84	-
T.Y.B.Sc. (Physics)	42	09	17	27	-
T.Y.B.Sc. (Zoology)	24	11	10	21	-
T.Y.B.Sc. (Botany)	16	15	-	15	-
T.Y.B.Sc. (Mathematics)	24	07	13	21	-
T.Y.B.Sc. (Statistics)	26	10	09	21	-
T.Y.B.Sc. (I.T.)	67	28	16	49	-
Total =	297	109	119	238	-
Academic Year2009-10					
T.Y.B.Sc. (Chemistry)	97	20	41	61	-
T.Y.B.Sc. (Physics)	30	03	10	14	-
T.Y.B.Sc. (Zoology)	14	08	06	14	-
T.Y.B.Sc. (Botany)	17	13	03	16	-
T.Y.B.Sc. (Mathematics)	25	06	15	21	2 nd Rank in the subject at University
T.Y.B.Sc. (Statistics)	18	08	06	14	-
T.Y.B.Sc. (I.T)*	119	45	14	72	-
T.Y.B.Sc. (Biotech)	26	04	13	20	-
Total =	346	107	108	232	one

- In the academic year 2007-08 four of our T. Y. B.Sc. students secured place in the merit list of University of Mumbai in T.Y.B.Sc. Examination held in March 2008.
 - 1) Mr. Milind Kokate stood 3rd rank in the merit list of University of Mumbai and stood 1st in the subject of Statistics in University of Mumbai.
 - 2) Ms. Umalaxmi Birajdar secured 2nd rank in the merit list of Mathematics in University of Mumbai.
 - 3) Mr. Abhishek Rane stood 1st in the merit list of Zoology in University of Mumbai.
 - 4) Ms Sonal Salvi secured 3rd rank in the merit list of Zoology in University of Mumbai.
- In the year 2009-10 Ms Nishigandha Kurhade Secured 2nd rank in the merit list of Mathematics in University of Mumbai.

B) RESULTS OF THE LAST 3 YEARS (PG COURSES)

Class and Subject	No. of Students Appeared	No. of Students Passed			Any Special merit
		I Class	II Class	Total	
Academic Year 2007-08					
M.Sc. (Organic Chemistry)	09	05	03	08	-
M. Sc (Information Technology)	16	10	05	16	-
Total =	25	15	08	24	-
Academic Year 2008-09					
M.Sc. (Organic Chemistry)	08	05	03	08	-
M.Sc. (Information Technology)	13	08	02	10	-
Total =	21	13	05	18	-
Academic Year 2009-10					
M.Sc.(Organic Chemistry)	08	01	04	05	-
M.Sc. (Information Technology)	14	00	08	08	-
Total =	22	01	12	13	-

4) Number of Add-on Courses (Certificate, Diploma, Advanced Level Diploma) introduced by the college :

Part-time Courses Offered			
Name of Certificate Course		Year of Introduction	No. of Students Enrolled in the year 2009-10
1	Certificate Course in Bioinformatics	2007-08	30
2	Certificate Course in Yoga	2007-08	60
3	Certificate Course in Techniques in Molecular Biology	2009-10	36
4	Certificate Course in Personality Development	2009-10	30
5	Certificate Course in Information Technology: What? Why? How?	2009-10	33
Total			189

5)	<p>A copy of the SSR, sent to NAAC : Yes (Year 2003)</p> <p>A copy of the RAR, sent to NAAC : Yes (Year 2009)</p> <p style="text-align: center;"><i>RAR and Post-RAR copies Separately submitted</i></p>
6)	<p>Latest information up to the academic year 2009 – 10 with reference to the parameters suggested by NAAC in the self Study Report manual.</p> <p>Latest information is given in Post RAR report. A brief summary is given below.</p> <p><u>Criterion I – Curricular Aspects</u></p> <p><u>New Courses /Divisions Introduced in year 2009-2010:</u></p> <ul style="list-style-type: none"> ➤ Environmental Science (Applied Component) for T.Y.B.Sc. Biotechnology. ➤ One additional division of T.Y.B.Sc.(I.T.) and of T.Y.B.Sc.(Biotechnology) each. ➤ A division of S.Y.B.Sc. for Microbiology and Computer Science. ➤ A certificate course in Molecular biology for biotech students. From next year, this course will be conducted for students of other subjects. <p><u>Syllabus Change</u></p> <ul style="list-style-type: none"> ➤ In year 2009-10 new syllabus of S.Y.B.Sc for all subjects was implemented. ➤ In year 2010-11 new syllabus for T. Y. B.Sc. in all subjects was introduced. <p><u>Criterion II- Teaching, Learning and Evaluation</u></p> <p>(Data is given for last Three years)</p> <p><i>Number of faculty development programmes availed by teachers: FIP: 01</i></p> <p><u>Courses attended by staffs</u></p> <ul style="list-style-type: none"> ➤ <i>Refresher Courses: 08</i> ➤ <i>Orientation Courses: 05</i> ➤ <i>Other Courses: 08</i> <p><u>Number of seminars, conferences, workshops organized by college:</u></p> <ul style="list-style-type: none"> ➤ National conference:01 ➤ National Seminar: 03 ➤ State Level Seminar:02 ➤ Workshops:12 <p><u>Number of seminars, conferences, workshops attended by faculty members:</u></p> <ul style="list-style-type: none"> ◆ Seminars:85 ◆ Conferences:84 ◆ Workshops:156

	<p><u>Criterion III -Research Consultancy and Extension</u></p> <p>➤ Number of Research Papers published in Journals during the last five years</p> <p>1)International Journal : 20</p> <p>2) National Journal : 27</p> <p>➤ Number of Research Papers Presented:1) International Level: 06</p> <p>2) National Level: 28</p>
	<p><u>Science Square activity:(Mini Research Project)</u></p> <p>We have completed five successful years of our Project “Science Square” and again we find our students participating with renewed vigor into a number of science projects for various competitions and seminars. We have undertaken this task and are continuing with the same, wherein, our students take up different projects and successfully complete the same. Finally, we present these projects in the form of a report. In past 5 years 198 undergraduate students participated and completed 83 research projects that were multidisciplinary. Some projects were presented for competitions; some were presented at national seminars held in different colleges, some were part of funded projects, while some were to create awareness among the students and the public.</p> <p>The projects for the Year 2009-10.</p>

Sr. No.	Name of the project	Class	Subject
1	Human Impact on Biodiversity	SYBSc	Zoology
2	Biological Response to temperature Changes.	SYBSc.	Zoology
3	Effect of Anthropogenic activities on Phytoplankton Diversity of Vaitarna river near Ghodmal, Tal.-Vada, Thane	Ph.D	Zoology
4	Slums in Mumbai	SYBSc.	F.C.
5	Alcohol production from various carbohydrate waste.	SYBSc	Biotech & Micro
6	Biosorption of acidic & basic dyes using ground nut shell.	FYBSc	Biotech & Micro
7	Study of antimicrobial properties of 'Cynodon dactylon'	FYBSc	Biotech & Micro
8	Phytochemical Analysis of Orchid.	SYBSc	Biotech & Micro
9	Ethnomedicinal knowledge of Wada,Thane,Maharashtra.	SYBSc	Biotech & Micro
10	Cross Cultural Ethnobotanical Study of Raigad & Thane District	SYBSc	Biotech & Micro
11	Plant Tissue Culture (Organogenesis) of Rhizophora Species (callus induction)	SYBSc	Biotech & Micro
12	Chemical investigations from Lantana species	SYBSc	Chemistry
13	Introduction of Orchids	PhD	Botany
14	Welcome to the world of orchid mimicry	PhD	Botany
15	Fungal diseases in orchids		Botany
16	Use of orchids by indigenous people of Sahyadri region; Ethnomedicinal Approach.	Ph.D	Botany
17	Jewel Orchid A true gem among the orchids	Ph.D	Botany
18	Hypotonic technology for commercial orchid cultivation	SYBSc.	Botany
19	Orchid insect pests and their management	SYBSc.	Botany

Cultural Events



6)

College school complex : College School - Complex programme: Under this scheme we guide various schools to prepare their science projects for the “Children Science Congress competitions” and to some extent satisfy the thirst of school children to gain more knowledge. We guide the school students for Jr.& Sr. Young Scientist Examinations conducted by Homi Bhabha Centre. Many of these students receive prizes and medals at State & National levels. Our college students actively participate in helping these youngsters. Last year’s theme is continued for academic year 2009-2010, for children science congress and the theme is "Planet Earth: Our Home Explore, Care & Share" and sub themes are Atmosphere, Weather & Climate, Sky and air pollution, Energy , Lithosphere L Soil, Land and Agriculture, Biodiversity , Hydrosphere-Water & Wetlands , Human Influence on Environment .

Following schools approached our college for guidance:

Sr.No.	Name of the School	Topic
1	Peoples’ Education Society English medium school Thane- East .	Mangrove vegetation, Thane (East)
2	Mangala Hindi High school Thane East	Comparative study --Soil analysis
3	Shrirang Vidyalaya Thane (West)	1.Biodiversity of live edges and hedges 2.Riparian vegetation
4	St.Lawrence School, Thane(West)	1.Coral Ecosystem

All projects are selected for district level project presentation.

Criterion IV - Infrastructure and learning resources

- Books added in the library (in last 5 years) : 3,932.
- Total No. Of Books: 21490
- Worth of new equipments purchased (in last 5 years) :
 - i. Aided courses: Rs. 13,26,923/-
 - ii. Un-aided : Rs. 36,19,841/-
- New laboratories in Biotechnology and Microbiology were constructed and all other

laboratories were renovated during the last five years.

- High-Tech Security system at the entrance of Library is installed.

Criterion V- Students' strength (for the year 2009-10)

- Total Students strength : 1218
- New enrolment for Ph.D. : 02
- Results:1) T.Y.B.Sc.-82.17% 2) M.Sc.(Chemistry):100% 3) M.Sc. (I.T.):76.92%

Book Bank facility: Books are given to

- 1) 20 students per year from central library
- 2) 353 students per year from I.T. Library.

Scholarships and Free ships (for the year 2009-10)

Sr. No.	Scholarship / Freeship	No. of Students	Sanctioned Amt. in Rs.	Amt. recd. through Adhoc Amt. in Rs
1	Scholarship	151	16,17,413	9,25,000
2	Freeship	225	20,45,477	18,000
Total		376	36,62,890	9,43,000

Alumni Association (Anubandh)

The College has established an Alumni Association as per suggestion of NAAC. It enables past students to maintain their links with their alma mater.

- An additional set of journals published by Indian Academy of Science, Bangalore is subscribed from the amount received as donation from past students.
- Our past students Mr. Mayuresh Dhond & Ms. Alpana Gupte have contributed a cash prize to be given as endowment prize for excellence in the Statistics at T.Y.B.Sc.
- A camp (free of charge) about contact lens care was organized by our past students Ms. Shradha Ganu & Mr. Sameer Ganu, proprietor of the shop-“Modern Opticians.” Free trial was given to the students.
- Our Alumni Mr. Viju Mane, who is film director, guides our students for drama competitions.
- For last two years we are conducting interactive sessions between present and past students that have generated a sense of belonging among newer students as well.
- Many faculty members are past students of the college.

A get together of the past students of B.N.Bandodkar college was organized by the Alumni Association of the college on Tuesday 8th December 2009, in the

Thorle Bajirao Peshwe Sabhagriha. A well-known surgeon and our past student Dr. Milind Vaidya was the chief guest. Dr Milind Vaidya talked about neuro surgery.

Alumni – meet of 1984 batch students was arranged on 25th December 2009 in Pantanjali Sabhagruha to celebrate Silver – Jubilli of graduation year. Mr. Girish Tilve, Mr. Nitin Shinde, Mr. Sunder organized this meet. Forty five students actively participated in this meet. Mr Mayuresh Dhond and Ms. Alpana (from USA) were online on video for the interaction throughout the programme. From this group of students a donation of Rs. 60,000/- was given to VPM for giving Endowment Prizes to the toppers at T.Y.B.Sc. class in the subjects Physics, Chemistry, Mathematics, Statistics, Botany and Zoology.

Women Development Cell-(WDC)

- We have an active WDC. Women Development Cell has organized guest lectures on various topics to facilitate women development.

Some noteworthy programmes arranged by WDC in last five years are:

Date	Topic	Guest
12 th January 2005	“Stress Management”	Dr.Mrs. S.A.Singh, Principal VPM Joshi Bedekar College,Thane
18 th July 2006	“Empowered Women”	Dr.Mrs. Nandini Deshmukh, Vice Principal Kirti College,Mumbai.
10 th & 18 th August 2006	“Nutritional Diet”	Dr.Mrs. Chaya Bhadkamkar, Thane.
28 th July 2007	“Pest Control & Hygiene Care”	Dr. Sandhya Mainkar, Head PC & Cannon Hygiene
28 th Nov. 2007	“Women & Law” Sexual harassment at work place & home	Mrs.Srividya Jaykumar, I/C Principal, TMC Law College,Thane
12 th Dec. 2007	“AIDS awareness”	Doctors from Rajiv Gandhi Medical College, Kalwa
10 th Sept. 2008	“Handling Stress in College Life”	Dr. Anuradha. Sovani, Eminent Psychologist and Psychotherapist.
19 th Dec. 2009	“Status Of Women”	Mrs. Mangala Ramesh Padhye, member of ‘Stree Mukti Sangathan’

Criterion VI- Governance And Leadership

- All the heads of the departments, Coordinators of the committees, office superintendent,

	<p>and Vice- Principal are given full freedom to take rational decisions to gear up college functioning.</p> <ul style="list-style-type: none"> ➤ Our management Vidya Prasarak Mandal always encourages the staff and students to implement new ideas. They provide every support for infrastructural development necessary for the new need based courses that have been introduced. ➤ Our Management encourages the staff to attend the Seminars & Conferences and bear the expenses. ➤ To cope up with the modern educational requirements VPM has installed Video Conferencing facility in our college campus. ➤ In the Era of globalization our management has signed MOUs with California University, U.S.A. and Northern college of Applied Arts and Technology, Canada & University of Skovde located at Hogskolevagen, Sweden. Vidya Prasarak Mandal has launched VPM's London Academy of Education & Research in London on 26th May 2009. ➤ The Principal has taken initiative in promoting research culture; this is reflected in the research output in several departments. Several Faculty Members are pursuing research, taking up projects, attending Seminars / Conferences and publishing papers. ➤ In order to develop the college academically, the college management gives a free hand to the Principal and the staff. ➤ All the staff members, teaching as well as non-teaching work very hard to utilize the available resources in the best possible manner and try to achieve excellence. ➤ Many new courses have been started and accordingly infrastructural development is given the preference. ➤ Use of ICT is promoted in administrative work for resource sharing and networking. ➤ Character building of the students is the main agenda of management. Our leadership believes that "intelligence plus character- is the goal of true education." <p><u>Criterion VII-Innovative practices</u></p> <ul style="list-style-type: none"> ➤ Department of Chemistry: All the students of Degree College were with supplied Safety Goggles, Mask and Gloves along with the Laboratory Journals. ➤ Solid waste management: We have started "First Step towards Zero Garbage Institute" programme from Sept. 2009. Two dustbins are kept at various places in the college with marking "WET Garbage" and "DRY Garbage" and we have oriented all staff members
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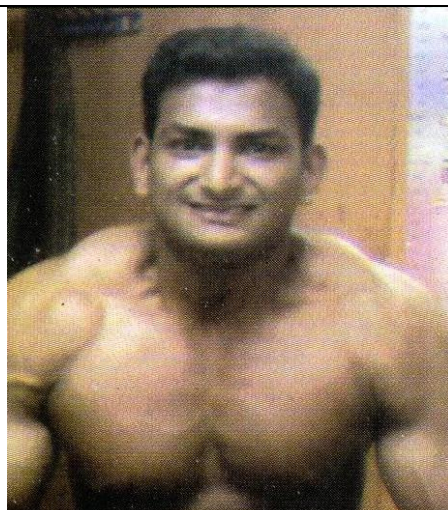
	<p>about segregation of waste. Dry garbage is again sorted and given for recycling processes. The bio-compost bin is constructed for conversion of wet garbage into compost.</p> <ul style="list-style-type: none"> ➤ In the Year 2009-10, “Global Warming” was our theme for our annual social programmes ➤ Our IT students decided to spread the message of “Save Energy and Conserve water” among the students for which they visited each class to orient students. ➤ National Conference on “Intelligent System” on 26th and 27th Nov.2010 is announced. Our I.T. Department is arranging this Conference.
7)	<p>A copy of the Peer Team Report given to the colleges along with a copy, of the NAAC certificate and the score :</p> <p style="text-align: right;">Given in Annexure:1</p>
8)	<p>Information about the dues payable to the University and settlement of accounts, if any.</p> <p>There are dues of Rs. 6,16,000/- (Rupees Six Lakhs Sixteen Thousand only) payable to the University of Mumbai for continuation of recognition in M.Sc. by Research and Ph. D. in the subject of Botany and Zoology.</p> <p>A special committee was appointed by University of Mumbai to inquire and submit the report on this issue. The committee visited our college on 28th August 2010 and the report is awaited.</p>

Sports

Our Toppers



Nikita Bawaskar
Athletics - Second Position



Krupal Kamble
Best Physique - Silver Medal



Kavita Shukla
Yoga - Gold Medal



Sanket Sawant
Athletics
Eighth Rank At National Level

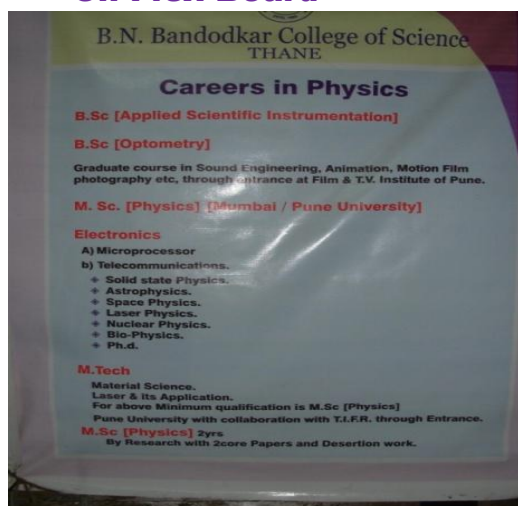
9)	Special merit shown in Sports/Athletic events at University level and above (Zonal/National/International level) by the students of the College in the last three years : (Give details)
	<p>To ensure the persistent overall development of the students during their academic tenure in the college, various Recreational and Leisure Oriented Activities are conducted in the college. These activities involve Literary Events, Dramatics, Fine Arts, Music, Indoor and Outdoor Sports Activities, which are incorporated in our Academic Calendar.</p> <p>The number of students participated in various Inter University/collegiate sports events during last Three years: 210.</p> <p>The achievements of students in the Sports activities during the last Three years : <u>Year 2007-08</u></p> <ol style="list-style-type: none"> 1. <i>Ms Kavita Shukla</i> bagged 1st position in Individual Championship in Yoga at Intercollegiate sports & Tournaments organized by Sports Department University of Mumbai. 2. <i>Ms Kavita Shukla</i> won gold medal in Yoga competition organized by University of Mumbai, held at Pragati college, Dombivli. 3. <i>Mr.Krupal Kamble</i> Secured silver Medal in intercollegiate Best Physique Competition organized by University of Mumbai. 4. Cricket team of our college bagged trophy in intercollegiate competition under the captainship of Mr. Swapnil Ghag 5. <i>Mr.Sanket Sawant</i> secured 8th rank in gymnastics in the competitions held by the University of Mumbai 6. <i>Ms Mayuri Phadtare</i> secured black belt in 12th Maharashtra state Open Karate championship organised by Maharashtra Karate Sports association of Thane. 7. <i>Ms Snehal Sagwekar</i> secured Silver Medal in ‘TAEKWONDO Competition 2007-08’ organized by University of Mumbai.
	<p><u>Year 08-09</u></p> <ol style="list-style-type: none"> 1) Our students participated in intercollegiate competition organized by Dr. D. Y. Patil College and got the prizes <ul style="list-style-type: none"> ➤ <i>Ms. Pradnya Kocharekar & Mr. Shailesh Chakravarty</i> got 1st place in carrom doubles competition. ➤ <i>Ms. Komal Savla</i> got 1st place in carrom singles competition. ➤ <i>Mr. Sonesh Kamble, Mr. Bhushan Prabhu, Mr. Omkar Thorat & Ms Ranjeeta Mawri</i>

	<p>got 1st place in treasure hunt competition.</p> <ul style="list-style-type: none"> ➤ <i>Mr. Anish Kadam</i> 1ST place in Table Tennis (Singles). ➤ <i>Mr. Pratik Sawant</i> 2nd place in Table Tennis (Singles). <p>2) Our students participated in intercollegiate competition organized by SIES College of Commerce & Economics and won prizes</p> <ul style="list-style-type: none"> ➤ <i>Mr. Vishal. Madhavi</i> & <i>Mr. Chirag. Kamble</i> got 1st place & <i>Mr. Ajay Gupta</i> & <i>Mr. Kunal. Naik</i> 2nd place in Carrom doubles Competition. ➤ <i>Mr. Anish Kadam</i> got 1st place & <i>Mr. Pratik Sawant</i> got 2nd place in Table Tennis (Singles) Competition.
	<p><u>Year 2009-10</u></p> <ul style="list-style-type: none"> ➤ Mr. Nikihil. Suvarna secured Silver medal at state level Judo competition organized by Zilla Parishad, Thane ➤ Miss Gayatri Badermena secured Silver medal at state level Judo competition organized by Zilla Parishad, Thane ➤ Miss Srushti Koli secured 4th position at State level in Swimming competition organized by Zilla Parishad, Thane ➤ Mr. Aditya Rawool secured Silver Medal (Mumbai Division) in Yoga Competition organized by Zilla Parishad, Thane ➤ Mr. Mayuresh Pradhan and Mr. Sidhesh Kadam secured Gold medal (District Level) and Bronze medal (Mumbai Division) in Tae Kwon Do, organized by Zilla Parishad, Thane ➤ Mr. Pushkar Ganoo secured Silver medal in Athletics Long Jump organized by Zilla Parishad, Thane ➤ Ms. Apoorva Borde secured 4th position in Sikai Marshal Art organized by Zilla Parishad, Thane
10)	<p>Special merit shown in Cultural Events at University level and above (Zonal / National / International level) by the students of the college in the last three years : (Give details)</p>
	<ul style="list-style-type: none"> ◆ Our students participate in intercollegiate festivals. ◆ Around 1800 students represented our college in various cultural Intercollegiate/ Interuniversity competitions. ◆ Our College was actively involved in the Sesquicentennial celebrations of the University of Mumbai ◆ Zonal cultural events were conducted for Mumbai University in Sesquicentennial celebrations. ◆ The college provides daily allowance and conveyance charges to the students

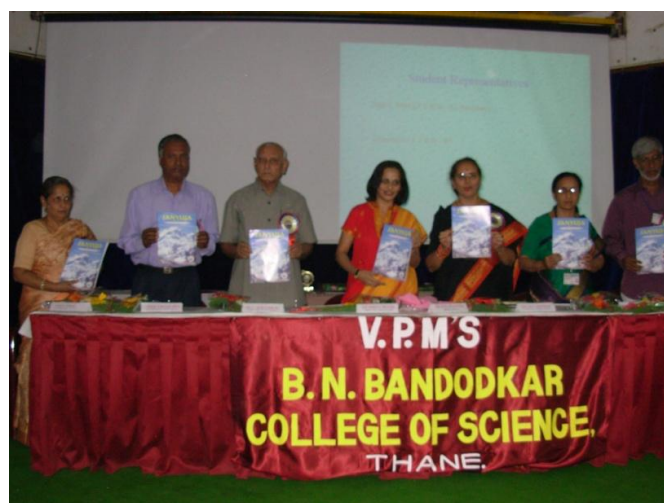
	<p>participating in competitions.</p> <p><u>Year 2007-08</u></p> <p>➤ <i>Ms Vinantee Mhatre</i></p> <ul style="list-style-type: none"> • Secured 1st place in mono acting Group A at inter collegiate cultural competition of Zone IV organized by Department of Students' Welfare, University of Mumbai. She secured 6 prizes in various competitions. • 1st prize in acting in a competition held by Navayuvak Durga Mandal and Gangamai Sugar Industry Ltd. Ghatnandra Dist. Aurangabad. • 1st prize in acting in 55th Drama festival 2007-08 of Maharashtra Kamgar Kalyan Mandal at Lalit Kala Bhavan, Warli Mumbai. • 2nd prize as Best Actress in a zonal competition Kalarag Horizon 08 held by Ramrao Adik Institution of Technology on 29th Feb 2008 and 1st Mar 2008 <p><i>Ms Rufina Rodriues, Ms Harshada Adkar and Mr. Sujit More</i> bagged 1st, 2nd and 3rd prizes respectively in a quiz competition organized by SIES College Mumbai on 27th Nov 2007.</p>
	<p><u>Year 2008-09</u></p> <p>➤ Eighty students from our college participated in the intercollegiate competition festival “Paramount” organized by Dr.D.Y.Patil College, Nerul. Apart from winning many prizes in individual performances, our college also won the “Best College” title for all round performances and for maximum participation. Mr.Pramod Patil from M.Sc. won a round trip air ticket for Bangkok, Thailand</p> <p>➤ Ms.Prachi Ambavane has achieved “Visharad” in Katthak (Classical dance) from Akhil Bharatiya Gandharve Institute. She has given her performances at “Gadkari Rangayatan” Thane and “Brahmin Mahavidyalaya” Thane.</p> <p>➤ Ms.Shruti Shrotri stood 2nd [Runners up] in T-shirt painting competition held at Ruia college Matunga.</p> <p>➤ Mr.Ganesh Kadam and Mr.Kaynath C. stood 3rd in Quiz competition held at R.J.College Ghatkopar.</p> <p>➤ Mr.Swapnil Lambe stood 1st in Rang de Culture competition held at Birla College, Kalyan.</p> <p>➤ Ms. Akshada Koli bagged eleven prizes in various intercollegiate competitions in the year 2008-09.</p> <p>➤ Ms Trupti Kini secured 3rd prize in Inter Collegiate Poetry Recitation Competition held at N.E.S’s Ratnam College Bhandup</p> <p>➤ Ms .Gayatri Oak secured</p>

	<p>i) 1st prize in Inter Collegiate Story Telling Competition held at N.E.S's Ratnam College Bhandup</p> <p>ii) special achievement certificate in Vidyadhar Gokhale Karandak Elocution Competition held by Chaturang Prathisthan</p> <p>➤ Ms Trupti Kini & Ms. Kanchan Lovalekar got the certificate of appreciation in Inter Collegiate Quiz Competition CHAKRAVIEW 2008 at Chetana's College.</p>
	➤
11)	<p>Total No. of confirmed / on probation Teachers : 39</p> <p>No. of confirmed / on probation teacher with Ph.D. : 19</p> <p>No. of confirmed / on probation teacher with NET / SET : 05</p> <p>No. of teaching posts filled with ad-hoc appointments</p> <p>Aided : 09</p> <p>Unaided : 16</p> <p>No. of teaching posts vacant : 08</p> <p>(Data as on 25th Sept 2010)</p>

Career Information On Flex Board



Publication of Magazine "Sanyuja"



12	No. of research projects completed in last three years :(Give title / name of the main researcher / amount received / name of sponsoring agency in case of each project)
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A) No. of University sponsored research projects completed in last three years: Seven

Department	Project Title	Cost Rs.	Duration	In-Charge Staff
Zoology	‘Study of Effect of Water PH on Embryological Development of Daphnia SPP’.	11,000/-	1 Yr	Dr. (Ms.) M.K.Pejaver
Botany	“Conservation of medicinally important Orchids in a Green house from the Western Ghats.”	20,000/-	1 Yr	Dr. (Ms.) M. S. Mulgaonkar
Zoology	“Epidemiological Surveillance of skin diseases among tribal in and around Thane”.	11,000/-	1 Yr	Dr. (Ms.) V.D.Manjramkar
Chemistry	Mechanism action of lanthana against wood destroying agency.	30,000	1 Yr	Dr. (Ms) A. S. Goswami-Giri
Zoology	Bio-compost- “ a Niche for insect diversity”	16,000	1 Yr	Dr.(Ms) M. K. Pejaver
Zoology	“Flora and Vertebrate Fauna of Malwada region in Taluka Vikramgad”	16,000	1 Yr	Dr (Ms.) N. N. Patil
Zoology	“To study the diversity in marine algae and shells found at coast Barshiv village near Alibaug”	20,000	1 Yr	Dr. (Ms)P.N. Kurve

B) No. of UGC sponsored research projects sanctioned in last three years : on going: Three

Department	Project Title	Cost Rs.	Duration	In-Charge Staff
Chemistry	“Separation of endogenous inhibitor , Immobilization and properties of PPO from onion leaves”	11,30,800/-	3 Yrs	Dr. (Ms) A. S. Goswami-Giri
Botany	“Surveillance of habit distribution of medicinally important orchids from Maharastra (Weastern Ghats) with mention to their substance composition and conservation of some rare and endangered orchids in orchidarium.”	4,81,300/-	3 Yrs	Dr. (Ms.) M. S. Mulgaonkar

	Chemistry	“Study of Organic liquid-liquid mixtures of ester in cyclic ethers.”	5,88,000/-	3 Yrs	Dr. M.V. Ratnam	
C) No. of Industry sponsored research projects completed in last three years : One						
	Department	Project Title	Sanctioned by	Cost Rs.	Duration	In-Charge
	Zoology	EIA (Environment Impact Assessment) Project	Conservation Action Trust; Mumbai	130,000/-	2 Yrs	Dr. R. P Athalye

13)	Seminars / Work-shops organized by the college during the last three Years: (Give details)			
Event	Department	Dates	Topic	
2007-08				
2 nd preparatory workshop	Chemistry	27 th July 2007	“Contaminants in Food and Beverages”	
University Level Workshop	Physics	6 th , 7 th , 8 th Sept. 2007	‘New Syllabus for XII Physics’	
University Level Workshop	Zoology	11 th Sept 2007	‘New Syllabus for XII - Bioinformatics.’	
National Seminar	Chemistry	6 th Oct. 2007	“Contaminants in Food and Beverages”	
1 st preparatory workshop	Zoology	16 th Jan. 2008	“Wonderful World of Insects”.	
2008-09				
2 nd preparatory workshop	Zoology	26 th Aug. 2008.	“Wonderful World of Insects”.	
National Seminar	Zoology	3 rd Dec. 2008	“Wonderful World of Insects”.	
2009-2010				
1 st preparatory workshop	Botany	8 th Aug. 2009	"Orchid genetic diversity: Conservation & Commercialization"	
National Seminar	Information Technology	22 nd Aug 2009	New Vistas in Research in Physics	
2 nd preparatory workshop	Botany	26 th Sept 2009	"Orchid genetic diversity: Conservation & Commercialization"	
Workshop		17 th Nov 2009	Intercultural Education	
State Level Seminar	Library	27 th Nov 2009	"Reengineering of Libraries	
National Conference	Botany	11-12 Dec 2009	"Orchid genetic diversity: Conservation & Commercialization"	
Work Shop	Yoga	19 th Feb 2010	Work Shop on Yoga	
Work Shop			New CAS Scheme introduced by UGC	
2010-2011				
1 st preparatory workshop	Information Technology	24 rd July 2010	“Intelligent Systems”	

Work Shop	Physics	7 th August 2010	Workshop on Revised Syllabus in Physics Practical
2 nd preparatory workshop	Information Technology	25 th September 2010	“Intelligent Systems”

14)	<table><tr><td>NAAC Accreditation</td><td>Year - 2003</td><td>Grade B ++</td></tr><tr><td>NAAC Re-Accreditation</td><td>Year - 2010</td><td>Grade A</td></tr></table>	NAAC Accreditation	Year - 2003	Grade B ++	NAAC Re-Accreditation	Year - 2010	Grade A
NAAC Accreditation	Year - 2003	Grade B ++					
NAAC Re-Accreditation	Year - 2010	Grade A					
	<p>Whether the college has established Internal Quality Improvement (Assurance)Cell</p> <p>: Yes</p> <p>If yes, then constitution of the Cell</p> <p>As per NAAC guidelines the IQAC may be constituted in every Institution under the chairmanship of Head of the Institution with Heads of Important academic and administrative units and few teachers and few distinguished educationists/representatives of local committee. In our college from year 2003 after first accreditation, we have constituted QAC –Quality Advisory Committee and IQAC-Internal Quality Assurance Cell.</p> <p>Composition of QAC is as follows.</p> <ul style="list-style-type: none">1) Chairperson: Head of the Institution2) All heads of Departments- 83) Members from Management-24) Nominees from Local society-distinguished Educationists-25) One teacher as coordinator-1 <p>Total members-13</p> <p>Composition of IQAC is as follows.</p> <ul style="list-style-type: none">1) Chairperson: Head of the Institution2) Administrative officer-Office Superintendent-13) Teachers- 114) One teacher as coordinator-1 <p>Total members-14</p>						

15)	<p>Any novel healthy practices adopted by the college in administration, teaching or other academics areas : (Give concise description)</p>
	<p>We always aim at achievements because we know that success follows achievements. The achievements of an organization are the results of the combined efforts of each individual. High achievements always take place in the framework of high expectations. Our leadership</p>

	<p>with help of IQAC and all stakeholders are converting dreams into reality with commitment to values, equality and transparency, self discipline and continuous efforts. Our college is committed to the task of imparting quality education, without losing focus on basic core values laid by NAAC.</p> <p>From the beginning we have the thrust for</p> <ul style="list-style-type: none"> ○ Continuous personal and professional growth. ○ Installing moral values to mould the students into excellent human being. ○ Providing homely environment in the institution. ○ Developing students into socially responsible citizens. ○ Promoting research culture. ○ Providing them access to a comprehensive array of careers in Science ○ Attaining greater heights of glory and excellence in life. <p>To attain this goal we all put incessant and cognizant efforts.</p> <p>Our college is devoted to holistic task of students' intellectual development and their well-groomed personality, for which we adopt healthy practices in administration, teaching and other academic areas.</p> <p>I) <u>ADMINISTRATION, GOVERNANCE AND LEADERSHIP:</u></p> <p>The best practices in Governance and Leadership can be summed up as decentralization of work, participation and transparency in all academic and administrative work, effective resource mobilization, best planning of development strategies, and effective finance allocations by proper budgeting system, and democratic work culture.</p> <ul style="list-style-type: none"> ★ Academic calendar is prepared well in advance and is strictly followed. ★ The academic work including lectures, practicals, tutorials etc. are allocated as per the norms and discussion in departmental meetings. <ol style="list-style-type: none"> i) The co-curricular, extra-curricular and other related work is allocated among the staff by constituting different committees and associations. ii) All the heads of the departments, Coordinators of the committees, office superintendent, and Vice- Principal are given full freedom to take rational decisions to gear up college functioning. <p>II) <u>TEACHING AND LEARNING:</u></p> <p>In teaching learning and evaluation process, our college does deliberate, continuous and cognizant efforts for personality development, value and moral enhancement, keeping students' welfare in mind. This process is aimed at imparting quality education in science and it emphasizes on molding students into socially aware citizens.</p> <ul style="list-style-type: none"> ❖ We use innovative learning methods such as use of OHP, LCD Projector, Slide
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projector, CDs, arrangement of excursions, industrial visits and students' participation in Seminars and Workshops.

- ❖ We have Journal club –where students read and discuss recent research papers.
- ❖ We have Movie club through which educative movies are screened.
- ❖ Every year we organize and conduct Conferences, Seminars and Workshops on subjects of current importance. We encourage our Student to take active part in these activities. Our Student attend these events at free of cost.
- ❖ Students are encouraged for research and teachers guide them for project assignments.

Evaluation: The College has evolved the system of evaluation of teachers and non teaching staff by students by filling in the questionnaire, which enables teachers to develop a sense of accountability, confidence, willingness to receive criticism, non-judgmental attitude, and habit of introspection which leads to improvement in their performance.

- ♣ The feedback from students is taken about teaching-learning process.
- ♣ Review of feedback of students' evaluation of teachers is taken and suggestions are given to the teachers by the Principal.
- ♣ We have self-appraisal system for the teachers, which enable them to recognize their academic standard and engage them in various activities to excel in their academic performance.
- ♣ We have suggestion box facility where suggestions put by students are collected and if required necessary actions are taken.
- ♣ Informal feedback is received from the Alumni when they visit college or through Past students' association "Anubandh"
- ♣ Feedback from parents is obtained during parents' meeting.
- ♣ Frequent parent teacher meetings are organized by each department to discuss various issues regarding student's attendance, discipline, examination pattern, study tours, certificate courses, other facilities and academic performance of T.Y. B. Sc. Students.
- ♣ The meetings with parents of students of F.Y. B.Sc. & S.Y. B.Sc. classes are arranged at the end of the first term.
- ♣ Internal Quality Assurance Cell (IQAC) has been constituted to analyze and monitor the growth and to inspire the faculty members for quality sustenance and enhancement measures.

III) Student Progression and Evaluation:

- ❖ Attendance: Attendance of students is recorded by every teacher for every lecture,

	<p>monthly defaulter list is displayed, students are warned and parents are informed and called for meeting to bring in improvement in the attendance.</p> <ul style="list-style-type: none"> ❖ The students are encouraged by the teachers to participate in teaching-learning process by asking questions in the class. ❖ Regular class tests, terminal and preliminary examinations are conducted. ❖ Students with poor performance in terminal / preliminary examinations are counseled and separate lectures are arranged to bring them in main stream. ❖ We follow the practice of conducting A.T.K.T. examinations in the month of August to improve results and to reduce stress on the student. ❖ We are efficiently applying <u>MENTOR SYSTEM</u> in which a group of 20-25 students is allotted to one teacher and with continuous dialogue; teacher takes care of academic as well as personal grooming of students. ❖ Seminar, Workshop: We arrange National Seminar/State level Seminar every year, and prior to this Seminar two Workshops are arranged to educate the students. ❖ Teachers encourage students to participate in these events. ❖ Our teachers participate in various Seminars/Workshops to update their knowledge. ❖ We publish yearly magazine, which is a good platform for the students to express their views, which also improves their writing skills. ❖ We encourage our students to take research projects in different subjects and compile these projects in the form of “Mini Research Project” ❖ The college offers a large number of subject options at entry level to the students to allow them to fulfill their aspiration and educational requirements <p>⌘ To answer the global requirement, institution has introduced self-finance courses like Information technology, Computer Science, Microbiology, interdisciplinary course like Biotechnology as follows</p> <p>⌘ Post graduation course in the subject I.T. is started from the year 2004-05.</p> <p>⌘ Graduation course in Biotechnology is started in the year 2007-08</p> <p>⌘ Additional division for graduation in I.T. from the year 2007-08 is introduced.</p> <p>⌘ Graduation course in Microbiology and Computer Science is introduced in the year 2008-09</p> <p>⌘ M.Sc. by research in Chemistry is introduced in the year</p> <p>⌘ Ph.D. in Chemistry is started in the year</p> <p>⌘ We had applied for Environmental Science as applied component subject at T.Y.B.Sc. for the academic year 2010-11 and received the permission in July 2010.</p> <p>⌘ We had applied for additional division of Biotechnology and received the permission in</p>
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July 2010.

⌘ We have applied for i) M.Sc. by papers, M.Sc. by Research and Ph.D. in Physics, ii) M.Sc. in Biotechnology iii) B.Sc. in Biochemistry iv) additional divisions for Microbiology and Computer Science for academic year 2011-12.

⌘ The institution has taken the initiative to offer several need based and job oriented courses.

❖ We arrange additional lectures of different personalities from industry and business establishments through various departmental clubs.

❖ We get guidance from QAC members and teachers from VPMs' BRIMS who are associated with industry.

The overall effect of all these teaching-learning strategies has resulted in a remarkable quantitative and qualitative growth in the college academic results of the University examinations in the last five years. The following figures illustrate the point.

✓ The average of the T.Y.B.Sc. Result of the college over last five years is 87% as against the University average result 67.85%. The college result is consistently above the university result by at least 10%.

✓ The percentage of students securing first class is 49.50 % of total number of students passing.

IV) Value Education:

♣ Classes for Yoga and Meditation are organized to enable students to face life with greater calm and composure and to take the right decisions.

♣ The study of Foundation Course is a part of first and second year degree college curriculum. The teachers try to emphasize the importance of values and ways to obey and respect them. Sometimes, they also make use of case study method for the same

♣ Due to purposeful efforts, students have become more conscious about their responsibilities towards social justice, equity and access to higher education. The Indian economy is at a juncture where there is a need for human resource with specialized skills in different fields.

♣ Through various activities of NCC and NSS the process of communal harmony and dedication to nation building has been accelerated.

♣ The college has always been the most important means of transferring the wealth of tradition from one generation to the next. Knowledge is of no value unless it is strongly supported by moral values.

♣ In regular classes or in small gathering like Teachers' day celebration we teach our

students to have contemporary mindset without losing focus on basic core values.

- ♣ The college organizes and celebrates Foundation day, Independence day, Republic day, Hindi day, Sanskrit day, Kranti day, NSS day and Teachers day every year which essentially focuses on protecting and nurturing unified culture and heritage of our country and to inculcate patriotic value and respect for seniors and above all respect for sovereignty of the country.
- ♣ NSS conducts Workshops in which lectures are arranged on social issues, in association with NGO Akshara.
- ♣ NCC conducts lectures on value educations.
- ♣ Through **Ambika Yoga Kutir**, Thane, yoga and meditation classes are conducted in which students' mental and physical abilities are refined.
- ♣ College is associated with Vivekananda Kendra, Thane branch and this institution conducts programmes on moral education in college.
- ♣ College has set up a **Women Development Cell** for the development of personality and courage of girl students of our college.
- 👍 They arrange lectures of eminent personalities. These programmes have not only developed the personality of girls but also imparted lot of information about various areas like laws and regulations relating to women, beauty tips and health and hygiene maintenance etc.
- 👍 Through Women Development Cell lectures are conducted for boys and girls to give moral and value education.
- ♣ The college has different types of linkages with various industries and institutions to enable students to understand real life application of the theoretical framework and to complete their curricula.

IV) Computerization:

Positive change in the mindset and working methods of the faculty and administrative staff with regard to use of ICTs is the prime achievement.

We have made computerization of almost all possible, functional areas of the college administration.

The salient features of our computerization process are -

▪ Admission Process

Whole admission process is computerized from the filling of on line forms, merit list generation for admission of first year students to issuing fee receipts of all students. We give PRN (Permanent Registration Number) and issue a smart card which is used for all

the purposes like entry in campus, library and book lending.

▪ **Accounting Process**

Accounting process of FA pay roll, day to day transactions, monthly statement, periodic reporting and yearly financial statements etc. are fully computerized.

▪ **Office Administration**

All activities such as maintenance of general register, issue of certificates, classification of students etc. are fully computerized using the students' database.

▪ **Examination Process**

All examination process that is prior to commencement of examination, during the course of examination and post examination are fully computerized including the issue of marklist with hologram

▪ **Library**

Accessing periodicals, issuing and receiving of books, search of books on user-specified criteria and various statistical analysis is computerized. Interlinking of all libraries on campus for issuing books is done.

E-Databases like J-STOR, Open Access Database, Manupatra, CMIE and project MUSE databases are available for the students.

▪ **Records**

Records of laboratories, departments, etc. are being fully computerized.

▪ **Internet**

Availability of internet facility for all student and staff at free of cost for all 24 hours through Wi-Fi system in the campus or on computers.

V) Other academic areas.

Globalization is a way of life. The global market demands a global sharing of talent. The consequence is mass customization of talent and education as the number one economic priority for all countries.

- Our College has introduced several innovative courses to keep pace with requirements of market forces.
- Our management has started Foreign Language Center, to teach our students foreign languages such as French, German and Japanese.
- In our campus at VPM's I.T. centre various courses are conducted like CCIT (certificate course in Information Technology), CCP (Certificate course in Computer programming), WPD (certification course in Web- Designing), MSCIT (Maharashtra state certificate course in information Technology) courses are conducted.
- At Advanced study centre, diploma courses in Analytical chemistry, Applied Statistics,

	<p>Horticulture and Regulatory affairs are conducted in the evening.</p> <ul style="list-style-type: none"> ▪ Internet is made available to all students and teachers free of cost. ▪ Campus is connected through Wi-Fi ▪ On the campus there are 5 libraries including our own science college library. These libraries are interconnected by fiber optics. By using the LAN, teachers and students can demand the books from other colleges. ▪ Our library provides the books and information to the educational institutes and teachers around Thane. It is the value added service provided by our library with no extra cost. ▪ To facilitate the fostering of global competencies, we have some excellent new infrastructural facilities like i) Wi-Fi connected campus ii) Video conferencing facility iii) Well equipped laboratories and high tech Computer and Bio-tech laboratories. iv) Use of smart cards v) Computers with free internet facility. ▪ Many renowned firms like ICICI Prudential, Apex, L & T, Patni Computers, Tata Consultancy Services, and WIPRO etc. conduct campus interview through Employment cell and absorb the deserving students regularly. ▪ Students are given incentives in the form of endowment prizes. ▪ Needy students are given books from the book bank. ▪ Several teachers provide financial help to needy students at personal level. <p><u>VI) Safety and security of students:</u></p> <ul style="list-style-type: none"> ▪ In the College, we have integrated the Access Control System with our Entrance Control System i.e. Tripod System & Vehicle Entry Boom Barrier. ▪ Close Circuit Cameras are installed at the entrances in the campus. ▪ All employees' personal information is in application server & also resides on the smart cards used by the students and employees. ▪ For visitors a separate tripod lane has been created. When a visitor reports to the security in-charge, the personal details of the visitor are fed in the database. The security then issues a one day entry card for the college premises. ▪ At our college entrance there are security persons, around the clock, appointed by our management. ▪ Our laboratory staffs look after safety of the labs. ▪ All our laboratories have fire extinguishers. ▪ Inverter facility is available for office, which is useful in situation of load shedding. ▪ All students are covered under group insurance scheme. ▪ College building along with infrastructure is insured. ▪ In chemistry and biotech laboratories gas and water pipeline are installed according to safety norms.
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- Care of costly instruments is taken with annual maintenance contract.

To conclude the best practices adopted towards the students are:

- ◆ Placement cell.
- ◆ Career guidance cell.
- ◆ Supplementary examinations.
- ◆ Extended timings of Gymkhana and Library.
- ◆ Book Bank facility.
- ◆ Scholarships / Freeships Scheme.
- ◆ Students' Welfare Fund.
- ◆ Group Insurance Policy for students.
- ◆ Well equipped Gymkhana with Gymnasium and Auditorium with Video Conferencing facility.
- ◆ Student counseling (Mentor system).
- ◆ Departmental clubs.
- ◆ Students' presentations in various Seminars held every year.
- ◆ Regular parent- teacher-Principal meetings, to improve the attendance and results of students to accelerate the overall progress of college.
- ◆ Vibrant work culture.
- ◆ Holistic and committed approach towards students' progression.
- ◆ Dedicated faculty and family culture.
- ◆ Excellent results.
- ◆ Internal Quality Assurance cell.
- ◆ Promotion of research culture.
- ◆ Extension activities, N.C.C. and N.S.S.

All these activities help in supporting the students in making them good citizens with leadership qualities, which is our ultimate mission.

We have meritorious, commendable and hardworking students, dedicated teachers, sincere administrative staff, and committed management with a large reservoir of goodwill in the society. We endeavor to use all these assets effectively to see that our college succeeds in this age of antagonism and it achieves greater glory in the era of globalization. We make every effort for excellence. Striving for excellence motivates us. Excellence is rare and more over less valued. Our college is determined to turn the institute into a center of educational excellence. We believe that desire is the key to motivation, but it is the determination and a commitment to excellence that will enable us to attain the success we seek.

Alumni Association “Anubandh”



Parents' Meeting



“ Satyanarayan Pooja ”



College School Complex



Library “ Books Exhibition ”



16)	Any other relevant information about the college :
	<p>I) <u>Profile of the college :</u></p> <p>Vidya Prasarak Mandal (VPM) is a well known and premier educational trust in Thane which was established in August 1935. It was the dream of the founder member Late Dr. V. N. Bedekar to create an “Island of Knowledge” (<i>‘Jnanadweepa’</i>) in Thane and with singular zeal, and unconditional support from his colleagues, a seedling grew into a tree. The then Chief Minister of Goa, Hon. Shri Dayanand (Bhauasaheb) Bandodkar gave a generous donation of Rs. 3,20,000 / - for the construction of the Science college building. The college was to be named after his father as “Balkrishna Naik Bandodkar College of Science” B.N.Bandodkar college of Science was established in 1969 under the management of VPM., Thane, on a 13 acres piece of land which was marshy, muddy area inundated by water of the nearby Thane creek. Initially our college was affiliated to Pune University. Presently our college is affiliated to University of Mumbai and recognized by UGC under 2(f) & 12 (B).</p> <p>Late Dr. V. N. Bedekar, founder member of VPM had great foresight for the young generation of developing Thane city and aware of the need of education to turn these youth into good citizens of India. Our institute has great legacy of <i>Gyan-Tapasvi</i> Dr. V. N. Bedekar. Continuing his legacy the present leadership of Dr. Vijay Bedekar, chairman of VPM and Principal Dr. (Mrs.) M. K. Pejaver provide clear vision and mission to the institution.</p> <p>Our Management believes that coming together is a beginning; keeping together is progress; and working together is success. The management’s policy is to encourage the autonomy of intellect. Our Principal believes that; “Trust men and they will be true to you; treat them greatly and they will show themselves great.” Realizing that “a successful team is a group of many hands but of one mind” our Principal plays a very crucial role while leading the institute.</p> <p>Our college is taking conscious and continuous efforts for skill development of students. The institute and management are focusing on all round development of students and quality enhancement of teachers. We work hard to identify our strengths and weaknesses in teaching-learning process. By taking remedial actions on weaknesses and improving quality of teachers and students, our institute is emerging as a centre of excellence. The management has left no stone unturned for providing excellent infrastructural facilities to our college in order that students are able to compete at the global level and excel.</p> <p>Keeping in view the needs of the research and business world, along with the needs of society at large, college offers new courses that have international value and demand. Serving for the cause of social justice, ensuring equity and increasing access to higher education are few ways</p>

	<p>by which our institute is trying to contribute to the National development. Our main aim is to mould our students to become socially aware citizens, so we plan the activities to help our students to become self-reliant, bold, and capable to meet the future challenges. Hence our efforts are always student centric to improve their all-round personality as they grow to become future citizens of India.</p> <p>Speedy developments at the global level demand the development of skills, competency and knowledge among students at par with their counter parts elsewhere. In the light of this situation we equip our students to achieve core competencies in a variety of fields to face the global requirements</p> <p>Although the academic progress is crucial to the success of students, skills become relevant and effective tools of power when they are accompanied by a comprehensive value based additions in the individual. The main objective of education is to inculcate the right values together with knowledge, among students so as to cultivate a spirit of co-operation, selflessness and mutual understanding, as they are the future Nation builders. Our college is devoted to this holistic task of imbibing values together with knowledge. We believe that desire is the key to motivation but it is the determination and a commitment that will enable us to attain the success we seek.</p> <p>Our leadership believes that “Your brain has a capacity for learning that is virtually limitless which makes every human a potential genius.” Hence our institute continuously encourages its staff to undertake research projects, consultancy work, publications in academic journals and participation in professional programmes. “Research is to see what everybody else has seen and to think what nobody else has thought.” Hence theoretical and practical findings through research are utilized for dissemination of knowledge that is beneficial for the society in particular and nation at large.</p> <p>In view of the expanding global developments, our teachers constantly update their skills so that they can initiate students to new and unexplored avenues and help them realize their potential. The management is aware of our perspective and vision and ever ready to motivate the stake holders to face the challenges.</p> <p>In such a supportive background students are inevitably drawn in to strive for unparalleled excellence. Hence we can proudly say that we have been successful in good measure in extending our horizons and we will continue to work ceaselessly towards excellence.</p> <p>We nurture aspirations and facilitate unlimited learning to realize individual potential and growth. We will continue to achieve and maintain environment of excellence and growth with optimal utilization of resources. Our credo will always be excellence through innovation, compassion, ethical values and teamwork.</p>
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II) Salient features of college

- 13.5 acres campus area.
- Entry in college campus on Smart Card.
- Only Science College in Mumbai University.
- Excellent academic results. Toppers in Mumbai University subject list and general merit list.
- Passing percentage about 80%, and percentage of First class about 40%.
- Modernized Library with OPAC and Online journals. All dealings of library on Smart Card.
- Total number of books in the library: 21490 and Five paid databases.
- Eighty Four research papers(in last 5 years) in National /International journals published.
- Eleven major/minor research projects funded by University/UGC.
- Organized Seventeen Seminars/workshops/conferences in last 5 yrs (University/National).
- Consultancy on Environmental Impact Assessment and other Ecological studies is offered by Zoology Department.
- Twenty two Ph.D. and Fourteen M.Phil.degree holders and Nine NET/SET.
- Sixty four Mini research projects by 148 UG students through “Science Square”
- Modernized and well equipped laboratories: 13 for UG and PG and 2 for research.
- Wi-Fi campus and free internet facility to all students and staff.
- 172 Computers including 3 Laptops and 133 desktop and 36 Thin client, 9 printers.6 scanners, 4 LCD projectors, 2 OHPs.
- Six auditoriums on campus and “Patanjali Sabhagruha” with Video Conferencing facility in college.
- “Patanjali Yoga Center” with capacity of 60 persons.
- Seminar Hall with audio-video facility.
- Clean and airy canteen providing hygienic food.
- Gymkhana with well-equipped Gymnasium.
- Zero Garbage System (Bio-Compost).

III) Outstanding features of the college

- Affluent physical infrastructure.
- Wi-Fi campus with free internet facility for students and staff.
- Photocopying facility centre and 5 PCO's for the students.
- Active website of International standard which is updated regularly.
- Airy class rooms, spacious and well equipped laboratories, library with spacious reading rooms.
- Well equipped Gymkhana with Gymnasium. .
- Sufficient clean and spacious toilet blocks for girls and boys on each floor.
- Spacious common room for girls.
- Vehicle parking area for staff.
- Intercom system to each section of the college.
- Office, library and examination work automation.
- Auditorium with video conferencing facility.
- Reprographic facility in the office and library for the staff.
- Highly co-operative and bouncy environment for workshop / seminar / conference / project / presentation / group discussion.
- Scholarships / Freeships / concessions / awards for the students.
- Campus interview facility for students.
- Excellent P.G. centre in Science. M.Sc. in Chemistry, I.T. M.Sc. by research in Botany, Zoology and Chemistry and Ph.D. Programmes in Botany, Chemistry, and Zoology.
- PCP (Personnel Contact Program) centre for Institute of Distance & Open learning from University of Mumbai
- Centre for B.L.I.Sc., M.L.I.Sc. and Diploma in journalism of YCMOU.
- Foreign language centre by management in the campus offering certificate Courses in Japanese, French and German.
- VPM's I.T. centre, offering CCIT, (Certificate Course in Information Technology), CCP (Certificate Course in Computer programming), WPD (Certification course in Web- Designing), MSCIT (Maharashtra State Certificate Course in Information Technology)
- Advanced Study Centre offering industry oriented diploma courses in Analytical chemistry, Applied Statistics, Horticulture and Regulatory affairs.
- Mentor system.

	<ul style="list-style-type: none"> ▪ Use of modern teaching aids. ▪ Frequent industrial tours and Study tours. ▪ Industrial training programmes. ▪ An active Alumni Association. ▪ Participation in intercollegiate competitions. ▪ Organization and maximum participation in seminars / workshops / conference / symposium. ▪ Highly qualified, devoted and committed faculty. ▪ Many staff members work as members of syllabi reformation and designing committee. ▪ Various committees and departmental associations. ▪ Development of research culture among the students and staff. ▪ Students' Mini Research projects are compiled in booklet. ▪ College annual magazine 'Sanyuja' for the development of skills in the students. ▪ Extended hours for Library. (07.00 AM TO 08.00 PM) And remaining open on Sundays and holidays. ▪ Five paid databases namely J-STOR, Pro-Quest, CMIE, Manupatra and Art Stor.in the library ▪ Well planned and dedicated social activities by N.S.S. and N.C.C. ▪ Obstacle training facility for NCC cadets. ▪ Linkages with national / academic / research organizations as well as with N.G.O.s and G.O.s. ▪ Incentives and recognition to outstanding students in academics, sports, cultural, N.S.S. and N.C.C. ▪ Evaluation system for teaching and non-teaching staff. ▪ Effective linkage with students and parents. ▪ Received grant of Rs. 10.00000 from UGC under the scheme of "Basic Scientific Research." ▪ Putting incessant and cognizant efforts for attaining greater heights of glory and excellence.
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Library with computer section



Well equipped Gymkhana



Biotechnology Laboratory



Administrative Office



	<p>IV) <u>Infrastructure</u> :</p> <ul style="list-style-type: none"> ➤ We have integrated the Access Control System with our Entrance Control System. Smart cards are provided to all students and staff members. ➤ In the campus we have Photocopying facility centre and 5 PCO's for the students. ➤ Our entire Campus is Wi-Fi .
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PARTICULARS	DETAILS
Campus Area	13 Acres
Common playground	8394 Sq.m
Common canteen	400 Sq.m
No. of Auditoriums in the campus	6
Our college	
Total Constructed Area	5920 Sq m
Lecture halls	19
No. of Labs	15
No. Of HOD Cabins	10
Library Space	359 Sq m
Auditorium	165 Sq.m
Common Staff room 1. Ground Floor 2. Second floor	635 sq.ft
Ladies room	386 sq.ft
Non teaching staff room	44 sq.ft.
Open air stage	1253 Sq. ft.
Gymkhana space	125 Sq m.
Office space	290 Sq. m.
Yoga area	175 Sq. m.
Desktops/laptops	155+2+22 [#]
# thin clients	

V) Features of Laboratories

Sr. No.	Department	Area in Sq.m	Location	Equipments
1	Chemistry	604	Ground Fl	Electronic balance, Muffle furnace, Ultrasonic Interferometer, UV Visible Spectrophotometer.
2	Microbiology	134	Ground FL	Autoclave, Hot air oven, Incubator, Distillation unit, Calorimeter(digital) (battery operated), pH meter
3	Physics	425.2	Ist FL	Spectrometer, Microscopes, Telescope, Oscillators, Cathode Ray Oscilloscope. scanner
4	Mathematics & Statistics	110	Ist FL	Computers(5), Scientific Calculators(50) Scanner, Printer
5	Information Technology	172	Ist FL	Kits and Simulator Software. 68 computers,
6	Zoology	425.2	IInd FL	Binocular Microscope, Medical Microscope with inclined tube, Electrophoresis Unit, pH meter Spectrophotometer and Research Microscope
7	Botany	180	IInd FL	Colorimeter, water bath, laminar flow, magnetic stirrer, water distillation plant, incubator, digital balance, centrifuge, pH meter
8	Bio Technology	88.4	IInd FL	Autoclave, Hot air oven, Incubator, Distillation unit, Colorimeter(digital)(battery operated), pH meter, Rotary shaker.
9	Computer Science	75.4	IInd FL	38 Computers
10	Library	425.2	IIIrd FL	19583 Library Books 17 Journals 5 paid data bases
11	Administrative office	343.2	Ist FL	22 thin client 5 desktop pcs 3 laptops 3 printers 1 photocopy Machine

VI) Recognition of the Teachers

A) At International level

1. Dr.N.S.Tekale:

- i. Invited to deliver a lecture on “Eye care services to Malnourished Tribal Children In Tribal Belt of Western Part of India- Success story” at Unite for Sight’s Conference at Stanford University, USA on 14-15 April 2007.
- ii. Invited as a speaker in meeting of WHO “First Global Forum On Human Resources for Health” held in Kampala Uganda between March 2-7, March 2008.
- iii. Invited as a member of “Global Forum for health Research” to read a paper on Introduction of food Voucher concept to eradicate the malnutrition among tribal children.” at Beijing, People’s Republic of China, from 29th October to 3rd November 2007.

2. Dr.(Mrs) M.S.Mulgaokar

Elected as fellow of “Mendelian Academy of Science” from The Mendelian Society of India a wing of IFTDO, USA

3. Dr. V. M. Jamdhade

Editor-in- Chief of International Journal BIONANNOFRONTIER

B) At National level

1. Dr. (Mrs.) M. K. Pejaver

- i. Was conferred the fellowship in recognition of outstanding contribution towards advancement of aquatic Biology by Indian Association of Aquatic Biology.
- ii. Selected as Member of Advisory committee on Non- conservation Energy Resources by Government of India.

2. Dr.(Mrs) M.S.Mulgaokar

Awarded “Certificate of Appreciation” from Orchid Society of India

3. Dr. M. J. Kolet

Was awarded the service medal from the Government of India for his service as NCC officer

4. Dr.(Mrs) P.N.Kurve

Received ‘Certificate of Appreciation’ from Department of Science and Technology Government of India for guiding students at National Level for Children Science Congress.

5. Mr. N. D. Mandge

- i. Selected as Secretary of “Akhil Bhartiya Marathi Vidnyan Parishad.
- ii. Elected as `Director, The Thane Janata Sahakari Bank Ltd. in Jan 2010 for the period of five years.
- iii. Chairman, Ethics Committee, Koushalya Medical Foundation Trust, Hospital.

C) Awards and Honours

Name of the Faculty	Name of the Department	Details of Awards Received
Prin. Dr (Mrs) M.K.Pejaver	Zoology	“Thane Gaurav Puraskar” awarded by Thane Municipal Corporation.
Dr. (Ms.) M. S. Mulgaonkar	Botany	i) Certificate of appreciation from the Orchid Society of India. ii) Fellow of Mendellian academy of Science
Dr.R. P. Athalye	Zoology	Director Genetal’s Batton of Honour for being Best all-round cadet(1 st rank) in PRCN/SD/93 at OTS Kamptee.
Dr. M. J. Kolet	Botany	i). GOI NCC 7 years long service medal ii.) Special award by DY. DG. NCC iii) GOI NCC 12 years long service medal
Mr. P. G. Bamane	Chemistry	Manav Seva Puraskar for Social Service
Ms.M.T..Wankhede	Mathematics	i. “Mahatma Jyotiba Fule Shiksha Award” for ideal teacher ii. “Waman Dada Kardak Award” as Adarsh Gungaurav Puraskar
Dr. (Ms) P. N. Kurve	Zoology	Certificate of Appreciation from Dept. of Science & Tech. GOI
Mr. Abhijeet A. Kale	I.T.	Technical Advisor for publishing Maharashtra State Gazzate on Net
Dr. G.T. Dabhade	Botany	“Mayor’s Award of Thane”
Ex. Principal C. G. Patil	Physics	“P. Savalaram Award” from Thane Muncipal Corporation

Dr.Moses Kolet
12 Years NCC Long
Service Medal being
awarded to Capt.



Dr. Nagesh Tekale
Member Of “Global
Forum for Health
Research”
Invited as a Speaker by
WHO &
Stanford University

Principal Dr. (Mrs) M.K.Pejaver
Thane Gaurav Puraskar awarded by Thane
Municipal Corporation

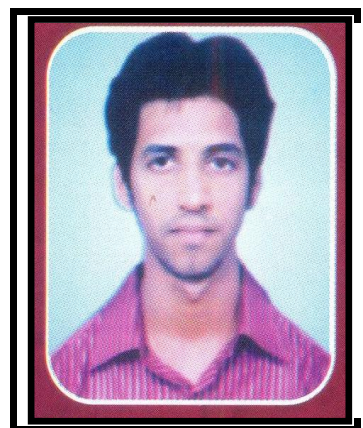


**Dr.(Mrs)
M.S.Mulgaonka
r**
Certificate of
appreciation from
the Orchid Society
of India
And
Fellow of Medellin
academy of Science

Mr.Milind Kokate T.Y.B.Sc
2007 – 2008
First in Statistics in Mumbai
University and Second position in
General Merit List, Mumbai University



Abhishek Rane T.Y.B.Sc. Zoology
2007 – 2008
First in Zoology in Mumbai University



Miss Umalakshami Birasdar
2007 -2008
Second in Mathematics ,Mumbai
University



Ms Nishigandha Kurhade
2009 – 2010
11th in IIT JAM
Second in Mathematics ,Mumbai
University



VII) Achievements in Academics :

Degree College Rank Holders

Sr. No.	Name	Subject	Year	Subject Toppers in University	University Rank in General Merit List
1	Shri Arvind Naik	B.Sc. Degree	1974	1 st	1 st University (Pune)
2	Ms. Rohini Rajwade	Physics	1995	1 st	6 th rank
3	Ms Manali Wagh	Statistics	1997	1 st	6 th rank
4	Ms. Rashmi Sawant	Zoology	1998	1 st	6 th rank
5	Ms. Prajakta Sarang	Chemistry	2000	1 st	1 st rank
6	Shri Mandar Khasnis	Mathematics	2001	1 st	6 th rank
7	Shri Sandeep Sawant	Statistics	2002	1 st	6 th rank
8	Ms. Pranali Gaonkar	Zoology	2004	1 st	2 nd
9	Shri. Milind Kokate	Statistics	2008	1 st	2 nd
9	Ms.Umalakhmi	Mathematics	2008	2 nd	-
10	Shri Abhishek Rane	Zoology	2008	1 st	-
11	Ms. Sonal Salvi	Zoology	2008	3 rd	-
12	Ms Nishigandha Kurhade	Mathematics	2010	2 nd	-

Ms Nishigandha Kurhade **bagged 11th rank in IIT JAM exam. held in April 2010.**

VIII) Collaborative Activities – Joint programmes conducted with NGO's for three years

Sr.No	Date	Name of Programme	NGO/GO
2007-08			
1	18 th June 07	Disaster Management Workshop	TMC,Thane
2	03 rd July 07	Felicitation Programme; Marathi Bhasha Parishad	Marathi Vigyan Parishad
3	06 th July 07	Cultural exchange Seminar	Akshara
4	31 st July 07	Workshop on Blood Donation	NSS Cell,Mumbai
5	01 st August 07	VPM Foundation day	VPM
6	05,12,15,19 th Aug 07	Mass Tree Plantation	Hariyali
7	06 th Aug 07	Peace march, Hiroshima day	Sarvodaya Mandal,Ghatkopar
8	08-12 Aug 07	Personality Development	Akshara
9	09Aug 07	Nirdhar Darshan Rally	Akshara
10	09 Aug 07	Rally and Exhibition on War Weapons	TMC,Thane
11	11 th Aug 07	Hariyali Presentation	Hariyali
12	14 th Aug 07	Independence day Celebration by selling of Flags made by Hitech Foundation	Hitech Foundation
13	23 rd Aug 07	Exposure visit by Akshara	Akshara
14	23 rd Aug 08	Blood Donation Drive	Lions club, Kanjurmarg
15	22 nd Sept 07	Workshop on Life skill Education	Akshara
16	22 nd Aug 07	Exposure visit by Akshara	Akshara
17	23 rd Aug 07	Exposure visit by Akshara	Akshara
18	23 rd Sept.07	Seminar on Gandhian Ideals	Sarvodaya Mandal,Ghatkopar
19	02 nd Oct 07	Gandhi Peace March Rally	Sarvodaya Mandal,Ghatkopar
20	23 rd Aug 07	Exposure visit by Akshara	Akshara
21	04 th Oct 07	Seminar on Environment Action Plan, Thane city	TMC,Thane
22	18-27 Oct 07	NSS Special Camp (YFRR)	Shantivan
23	30 th Oct 07	Workshop on Personality Development by Akshara	Akshara
24	20 th Nov 07	Workshop on Non violence by Akshara	Akshara
25	20 th Nov 07	Opening helpline for women by Akshara	Akshara
26	01 st Dec 07	AIDS Awareness rally	NACO,Thane
27	01 st Dec 07	Street Play on Women's Harassment by Akshara	Akshara
28	12 th Dec 07	AIDS Awareness seminar	NACO,Thane
29	18 th Dec 07 to 12 th Jan 08	Workshop on Journalism By Akshara	Akshara
30	30 th Jan 08	Film and Slide show by Akshara	Akshara
31	30 th Jan 08	Rally on Gandhiji's 50 th Birth Anniversary	Sarvodaya Mandal,Ghatkopar

2008-09			
1	22, 29 June, 6,13,20,27 July,10 Aug 08	Tree Plantation, Dindeshwar,Thane	Hariyali
2	14 Th Aug 08	Independence day Celebration by selling of Flags made by Hitech Foundation	Hitech Foundation
3	28 Th Aug 08	Blood Donation Drive	Lions club, Kanjurmarg
4	02 Th Oct 08	Gandhi Peace March	Sarvodaya Mandal,Ghatkopar
5	Sept. 08	Ganapati Idol Immersion	Enviro – Vigil
6	16 Th Oct to 25 Th Oct 08	Development in Shantivan	Shantivan
7	01 st Dec. 08	AIDS Awareness Rally	NACO,Thane
8	12 Th Dec 08	Peace Rally	Sarvodaya Mandal,Ghatkopar
2009-10			
1	14 th JUNE 2009 to Nov.09	Saplings preparation and post plantation care activities conducted through trekking at Kasarvadavali and Kajupada, Ghodbunder, Thane was conducted on every Sundays	Hariyali
2	20 th September 09 & 27 th September 09	Watershed development project studied at Bhavale Lonad forest at Bhiwandi	Hariyali
3	10 th – 11 th July2009	Seminar on Vasundhara Bachao, Gadakari Rangayatan, Thane.	Hariyali
4	12 th August 09	Yuvak Melava at Civil Hospital, Thane.	NACO,Thane
5	01 st October 09	AIDS Awareness Rally arranged at Civil Hospital, Thane.	NACO,Thane
6	02 nd October 09:	Gandhi Peace March – The rally held on International Day of Non – Violence at Azad Maidan, Churchgate,	Sarvodaya Mandal,Ghatkopar
7	15 th October 09	Peace Rally was conducted at Somaiya College, Vidya Vihar	Sarvodaya Mandal,Ghatkopar
8	16 th January 2010	Inter Collegiate Workshop on Scientific Point of View & Youth by Dr. Narendra Dabholkar, Director (MANS) & AIDS Awareness Workshop by Dr. Aasha Hedge, Programme Officer, Thnae (NACO).	MANS, NACO
9	15 th Sept.09	Blood Donation camp	Lions club, Kanjurmarg
10	23 rd October to 25 th October 2009	03 Days Seminar was arranged on Gender Equality	Akshara
11	09 th November 09:	Exposure Rally, Govandi.	Akshara
12	15 th November 09	Seminar on “Life Reborn” – Dwij Puraskar, Gadkari Auditorium, Thane.	IPH,Thane
13	25 th December 09 to 31 st December 09	WAPHE NURSERY, SHAHAPUR, ASANGAON from 25 th December 09 to 31 st December 09. Project: Butterfly Garden	Hariyali

IX) Number of students participating / engaged in Social Service / Extension work other than N.S.S. over the past 3 years

Sr. No.	Name of Activity	Number of students 2007-08	Number of students 2008-09	Number of students 2009-10
1	Blood donation	15	15	15
2	Pulse polio immunization programme	17	12	15
3	World AIDS day	50	50	50
4	Tree plantation programmes	30	35	30
5	Students training project in assistance with Jidnyasa Trust Thane	05	05	05
6	Rally to pay homage to Martyrs of 26/11 terrorist attack	50	--	--
7	Youth against terrorism Rally	---	50	---
8	Service in NGO Sobati “Organization looking after Handicapped children.”	---	06	05
9	Traffic control week		50	
Total		167	223	120

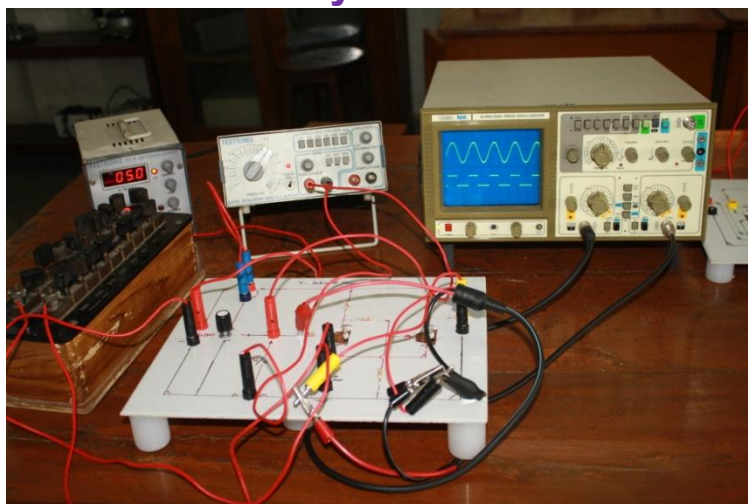
X) Research Activity**A) Teachers approved as Research Supervisors**

Sr. No.	Name Of Guide/ Department	Ph.D.	M.Phil.	M.Sc. (Research)	Priority Areas For Research
1	Dr. Ms.M.K.Pejaver Zoology	✓	✓	✓	Environmental studies, Toxicology, Limnology Biodiversity and Entemology..
2	Dr. R.P.Athalye Zoology	✓	✓	✓	Environmental studies, (creeks, river, lake) Insects & Polychaete toxonomy, Benthic study. Physiology
3	Dr. Ms.N.N.Patil Zoology	✓	✓	✓	Environmental studies & Fishery
4	Dr.Ms.S.V.Mahajan Zoology	✓	✓	✓	Environmental studies & Toxicology
5	Dr.Ms.M.S. Mulgaonkar/ Botany	✓	✓	✓	Orchids & Pharmacogonsy
6	Dr. M.J.Kolet Botany	✓	✓	✓	Mycology and Environmental biotechnology
7	Dr. Mrs.M.Saha Botany	✓	✓	✓	Plant tissue culture and Environmental biotechnology
8	Dr.M.N.Nyayate Physics	✓	✓	✓	Atomic, nuclear and solid state physics
9	Dr.A.N.Bedekar Chemistry	✓	✓	✓	Bio-organic and Analatical Chemistry
10	Dr.M.V.Rathnam Chemistry	✓	✓	✓	Thermodynamics
11	Dr.Mrs.A.S.Goaswami- Giri/ Chemistry	--	✓	✓	Organic and Bio Chemistry, Natural Products

Workshop for teachers On “Inter-Cultural Education”



Preparation : Workshop for teachers on Revised T.Y.B.Sc. Physics Syllabus



N.S.S. Activity



A) Research papers presented by Faculty at International level

Sr. No	Faculty	Title	Event	Date
2007-08				
1	Ms. Rani Singh	Conservation of Medicinal Plants of Thane District, India.	Ethnobiological Conference, Arkansas Fayetteville, Arkansas, USA	15-20 April 2008
2008-09				
2	Ms. Rani Singh	The conservation strategies for endangered medicinal plants used by tribals in central India	1 st International Medicinal and Aromatic Plants Conference on Culinary Herbs, organized by AUISHS, Turkey	29 th Apr - 4 th May 2009
2009-10				
3	Dr (Mrs) Anita S. Goswami-Giri and Neha A. Sawant	Endogenous Inhibitor of Onion Leaves PPO.	46 th Annual Convention of Chemists & International	2 nd -6 th Dec 2009
4	Sindhu V. Tayade, Poornima S. Gaikwad, Ashwini Pawar and Anita S. Goswami-Giri	Cyclic Compound from Solanum xanthocarpum L. and Argemone Mexicana L.	Conference on Recent Trends in Chemical Sciences, VIT University, Vellore	2 nd -6 th Dec 2009
5	Dr (Mrs) M.K. Pejaver	Brain, Mind and Consciousness- an evolutionary approach	International Seminar on Brain, Mind and Consciousness VPM's Joshi Bedekar College	14-15 Jan 2010
6	L.S. Ravangave, A.G. Gachhe, R.V. Kathare, B.S. Munde, <u>V.M. Jamdhade</u> and B.H. Pawar	Study of Nutrient Deficiency and Pigment Analysis Using Absorption and Synchronous Luminescence Spectroscopy	International Conference on 'Lasers and Advanced Materials ICLAM- 2010 organized by Dept of Physics MES Garware College Pune	6-8 Mar 2010

B) Research papers presented by faculty at National level

Sr. No	Faculty	Title	Event	Date
2007-08				
1	Dr. Moses Kolet	A Brief Review of Mycotoxins in Foods with Special Reference to Aflatoxins	Seminar on ‘Contaminants in and Beverages’ B.N. Bandodkar College of Science	6 th October 2007
2	Sameer Surve and Dr.(Mrs.) M.S. Mulgaonkar	Medicinally Important Orchids of Sahyadri Region.	National Conference on Orchids. Central College Campus, Bangalore	10-12 Apr 2008
2008-09				
3	Dr. Moses Kolet	Studies on Insects Encountered During Compost Preparation, with Special Reference to Fly Breeding Menace	Seminar on Wonderful World of Insects. B.N. Banddodkar College of Science, Thane	3 rd Dec 2008
4	Dr (Ms) M.K. Pejaver and Ms Gayatri Sagade	Study of diversity of Macro-fauna from the household biocompost.	Seminar on Wonderful World of Insects. B.N. Banddodkar College of Science, Thane	3 rd Dec 2008
5	Dr (Ms) Poonam Kurve and Dr Amol Patwardhan	Preliminary study of Butterfly diversity from Thane city and forest around Thane, Maharashtra.	Seminar on Wonderful World of Insects. B.N. Banddodkar College of Science, Thane	3 rd Dec 2008
6	Dr R.P. Athalye and Dr Amol Patwardhan	Genera of Click Beetles (Coleoptera : Elateridae) from Maharashtra.	Seminar on Wonderful World of Insects. B.N. Banddodkar College of Science, Thane	3 rd Dec 2008
7	Ms Rani Singh and Dr. N.S. Tekale	Status of Medicinal Plants used by Bhil-bhilas tribe in Jhabua District of Madhya Pradesh.	National Conference on Biodiversity, Sustainable Development and Human Welfare Ghogrey Science College, Dhule, MS, India	10-11 Jan 2009

2009- 10				
8	Dr.(Mrs) M.K.Pejaver	Effect of Urbanization on Algal Biodiversity	UGC Sponsored National Conference on Climatic Change and Challenges in Biodiversity Conservation. Fergusson College, Pune.	11-12 Dec 2009
9	Dr. R.P. Athalye	Effect of Anthropogenic Activities on Phytoplankton Diversity of Vaitarna River near Ghodmal, Tal. Vada, Thane.	UGC Sponsored National Conference on Climatic Change and Challenges in Biodiversity Conservation. Fergusson College Pune	11-12 Dec 2009
10	Snehal B. Sonparate and Dr. Moses Kolet	Orchid Genetic Diversity and Fungal Endophytes: A Brief Review.	UGC Sponsored National Conference on ‘ Orchid Genetic Diversity: Conservation and Commercialization	11-12 Dec 2009
11	Dr (Mrs) M.S. Mulgaonkar and Sameer Surve	Palynological Observations under SEM of some Corticolous Orchids from the Western Ghats	UGC Sponsored National Conference on ‘ Orchid Genetic Diversity: Conservation and Commercialization	11-12 Dec 2009
12	Dr (Mrs) M.S. Mulgaonkar	Use of Orchids by Indigenous People of Sahyadri Region: ethno medical approach.	UGC Sponsored National Conference on ‘ Orchid Genetic Diversity: Conservation and Commercialization	11-12 Dec 2009
13	Dr (Mrs) M.S. Mulgaonkar and Ashwini Apte	Cultivation and Commercial Aspects of Orchids with Emphasis on Vanilla	UGC Sponsored National Conference on ‘ Orchid Genetic Diversity: Conservation and Commercialization	11-12 Dec 2009
14	Dr (Mrs) M.S. Mulgaonkar	Some Observations on the Pollinia of the Three Species of Corticolous Orchids of the genus Aeries Lour under SEM	UGC Sponsored National Conference on ‘ Orchid Genetic Diversity: Conservation and Commercialization	11-12 Dec 2009
15	Dr (Mrs) M.S. Mulgaonkar and Sameer Surve	Introduction of Orchids	UGC Sponsored National Conference on ‘ Orchid Genetic	11-12 Dec 2009

			Diversity: Conservation and Commercialization	
16	Ms. S.V. Raut	Orchids of Medicinal Importance	UGC Sponsored National Conference on ' Orchid Genetic Diversity: Conservation and Commercialization	11-12 Dec 2009
17	Ms. S.V. Raut	Hybrids of Orchid	National Conf. on Orchid Genetic Diversity:Conservation and Commercialization	11-12 Dec 2009
18	Dr.(Mrs) M.K.Pejaver	Conservation of Lakes and Rain Water	National level Conference on Impact of Urbanization on Lake Ecosystem Vikas Night College of Arts, Science and Commerce, Vikhroli, Mumbai	21 Dec 2009
19	Dr.(Mrs) M.K.Pejaver	Monitoring Water Quality for the Development of Fisheries in Deharang Reservoir, Panvel, Maharashtra.	20 th All India Congress of Zoology. National Seminar on Bioresources & its management for food, livelihood & environmental security & National Helminthological Congress	29-31 Dec 2009
20	Snehal B. Sonparate and Dr. Moses Kolet	Studies on the Biodiversity of Endophytes from Two Grasses of Mumbai Region in Western India	UGC Sponsored National Seminar on Fungal Biotechnology by Mithibai College	7-9 Jan 2010
21	Phirke S.S., Saha, M. and Naresh Chandra	<i>In vitro</i> callus induction from leaf explants of <i>Lawsonia inermis</i> L. used as herbal dye.	National Conference on 'Recent Advances in Plant Sciences organized by Padmashri Vikhe Patil College, Pravaranagar, Maharashtra	15-17 Feb 2010
22	Dr (Mrs)M.S. Mulgaonkar	A Glimpse to the World of Orchids	UGC and SRTMU Nanded Sponsored National Conference	20- 21 Feb 2010

			on 'Recent Trends in Plant Sciences for Rural Development	
23	Sameer N Surve and Dr (Mrs) M. S. Mulgaonkar	Ecology of Epiphytic Orchids of Western Ghat of Maharashtra	National Conference on ' Orchids: Systematic and Diversity Analysis For Conservation and Sustainable Utilization organized by The Orchid Society of India, Chandigarh.	19-21 Mar 2010
24	Matil Sanghamitra R. , Shraddha V. Raut and M. S. Mulgaonkar	Study on Medicinally Important Orchids from Thane District	National Conference on ' Orchids: Systematic and Diversity Analysis For Conservation and Sustainable Utilization organized by The Orchid Society of India, Chandigarh.	19-21 Mar 2010
25	Dr. Moses Kolet	Studies on the Usage of some Novel Carrier Materials for the Development of Starter Cultures of Cellulolytic Fungal Inoculum for Composting of Plant Residues.	National Seminar on Vermitechnology, Use of Biofertilizers and Solid Waste Recycling For Sustainable Rural Development organized by The Gandhigram Rural Institute- Deemed University, Tamil Nadu.	23-24 Mar 2010
26	Dr. R.P. Athalye	Need to Collaborate with Yoga Training Institutions	National Level Conference on Role of NGOs & Youth in Social Transformation	27 Mar 2010
27	Dr. Moses Kolet	The National Cadet Corps and Yoga as Valuable Instruments of Transformation	National Level Conference on Role of NGOs & Youth in Social Transformation	27 Mar 2010
28	Matil Sanghamitra, R., Shraddha V. Raut and Dr(Ms) M. S. Mulgaonkar	Orchid Conservation- A Need of Today	National Conference on Plant Biodiversity organized by Yashvantrao Chavan Institute of Science, Satara, Maharashtra	23-24 Apr 2010

D) Research papers published by teachers in Refereed Journals over past 3 years

i) International Journals :

Sr. No.	Description
1.	Anita Goswami-Giri (2007) "Effect of Biomedical waste Ash on growth and yield of Fenugreek and Mustard." Bionano Frontier, 1: 64-66.
2.	M.S. Mulagonkar (2007) "SEM study on the observation of pollinia of two terricolous orchids from Maharashtra." Int. J. Mendel, 24 (1-2): 55-56.
3.	M. Saha (2007) " <i>In vitro</i> propagation of precociously germinated seedlings of <i>Carica papaya</i> L. variety Madhubindu." Bionano Frontier, 1 (1): 55-59.
4.	Vaishali Somani and Madhuri Pejaver (2007) "Evaluation of Pollution in the Lake Masunda, Thane, Maharashtra." J. Ecobiol, 20(2): 163-166.
5.	Nayana Raut, Milan Gholba and Madhuri Pejaver (2007) "Cluster Analysis of Phytoplankton from the lakes of Thane." Maharashtra J. Ecobiol, 20(2): 101-105.
6.	Nayana Raut, Milan Gholba and Madhuri Pejaver (2007) "Response of Phytoplankton of Thane Lakes (Maharashtra) to Physico-chemical parameters." J. Ecobiol, 21(3): 209-216.
7.	V.M. Jamdhade (2007) "Studies on Seed Mycoflora of Green gram and Black Gram." Bionano Frontier, 1(2): 137-139.
8.	M.K. Pejaver and Sampada Ketkar (2008) "Comparative Study of effect of three different types of food on population density of freshwater rotifer <i>Monostyla</i> sp." Aquatic Ecology, 1: 148-156.
9.	M.V. Rathnam , Rajeev Kumar R. Singh and M. S. Kumar (2008) "Excess Volumes of Binary Solutions of Methyl Formate, Ethyl Formate, Propyl Formate and Benzyl Acetate with Bromo-, Chloro-, and Nitrobenzenes at (303.15, 308.15, and 313.15) K." J. Chem. Engineering Data, 53: 265 -270.
10.	Amol Patwardhan and R.P. Athalye (2008) "A New Species of <i>Xanthopenthes fleutiaux</i> 1928 from Maharashtra, India (Coleoptera: Elateridae)." Genus, 19 (4): 675-678.
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24)	M. V. Ratnam "Physical Properties of Binary Mixtures of Ethyl Formate with Benzene, Isopropyl benzene, Isobutyl Benzene, and Butyl benzene" at (303.15,308.15, and313.15)K with Kirti Jain andManapragada S. S. Kumar. Journal of Chemical Engg.2010 pp a-e(Received in 2010)
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Total papers published in last 3 years : 47

NAAC Peer Team Visit: 21 -23 January 2010



Annexure I

NAAC CERTIFICATE



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Vidya Prasarak Mandal's
B. N. Bandodkar College of Science
Thane, affiliated to University of Mumbai, Maharashtra as*

Accredited
at the B⁺⁺ level.

Date : September 16, 2003



Director

1. This certification is valid for a period of Five years with effect from September 16, 2003.

2. An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C⁺ grade, 65-70 - C⁺⁺ grade, 70-75 - B grade, 75-80 - B⁺ grade, 80-85 - B⁺⁺ grade, 85-90 - A grade, 90-95 - A⁺ grade, 95-100 - A⁺⁺ grade (upper limits exclusive).

NAAC REACCREDITATION CERTIFICATE



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
Ministry of Human Resource Development, Government of India
P. O. Box 1075, Nagarbhavi, Bangalore-560 072, India.
Phone: +91-80-23005100, 23210261 - 65, Fax: +91-80-23210268/23210270

Provisional Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Vidya Prasarak Mandal's
B. N. Bandodkar College of Science
Inanadweep, Chendani, Thane, affiliated to University of Mumbai, Maharashtra as
Accredited
with CGPA of 3.04 on four point scale
at A grade
valid up to March 27, 2015*

EC/PCRAR/52/005

EC Date : March 28, 2010

Harman
Director

**Peer Team Report on Institutional Accreditation
of
B. N. Bandodkar College of Science, Thane
Maharashtra**

Section I: General	
1. Name & Address of the Institution	B.N. Bandodkar College of Science, Jnanadweepa, College Campus Near Cidco Bus Stop, Thane-400601 (Maharashtra)
2. Year of Establishment	01.06.1969
3. Current Academic Activities at the Institution (Numbers): (2008-09)	
• Faculties/ Schools:	10
• Departments/ Centres:	P.G. = 02, U.G. = 08, M.Sc. Research = 3, Ph. D. = 3
• Programmes/ Courses offered:	
• Permanent Faculty Members:	35 (19 Male, 16 Female)
• Permanent Support Staff:	56
• Students	1245 (U.G. = 1162, P.G. = 61, Ph.D. = 22)
4. Three major features in the Institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> • The college offers Science based courses only. • The college has very good physical infrastructure. • The college has very good ICT facilities for teachers and students.
5. Date of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	21 st – 23 rd January, 2010.
6. Composition of the Peer Team which undertook the on-site visit:	
• Chairman:	Prof. R.S. Bawa. Former Registrar & Professor, Punjab School of Economics, Guru Nanak Dev University, Amritsar – 143005 (PUNJAB).
• Member/ Co-ordinator:	Dr. Udayan Chandra Sarkar, Principal, Banwarilal Bhalotial College, Asansol, P.O. Ushagram – 713303 Distt. Burdwan, (W.B.)
• Member	Prof. D. Chandra Shekhra Reddy, Prof. of Zoology, Department of Zoology, Sri. Venkateshwara University, Tirupati – 517502 (A.P.)
• NAAC Coordinator:	Dr. Ganesh Hegde, Assistant Advisor, (NAAC), Nagarbhavi, Bangalore – 560072

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R. Bawa

Section II: Criterion Wise Analysis	
2.1 Curricular Aspects:	
2.1.1. Curricular Design & Development	<ul style="list-style-type: none"> • The vision and mission of the college are clearly defined and are visible in the courses being offered. • Syllabi are framed by the University but the college gives feedback to the BOS about revision of the syllabi.
2.1.2. Academic Flexibility	<ul style="list-style-type: none"> • The choice of courses is as per the prescribed syllabi. • Limited academic flexibility is available for the students except that the foundation course contains a few interdisciplinary topics. • The college may offer more Add-on and interdisciplinary courses.
2.1.3. Feedback on Curriculum	<ul style="list-style-type: none"> • The feedback on curriculum is mainly informal. • A formal mechanism for feedback may be a better option.
2.1.4. Curriculum Update	<ul style="list-style-type: none"> • Curriculum is updated as per the policy of the university. • The College faculty plays a role in updating the curriculum when involved as members of BOS or Curriculum Revision Committee.
2.1.5. Best Practices in Curricular Aspects (if any):	<ul style="list-style-type: none"> • Meetings with students council are held to get feedback on curriculum. • The college management has started courses in foreign language.

2.2 Teaching –Learning & Evaluation	
2.2.1. Admission Process and Student Profile	<ul style="list-style-type: none"> • The admission is based on merit in the qualifying examination only. • The admission process is transparent and based on wide publicity. • The fee structure and admission procedure is clearly shown in the college prospectus and website.

2.2.2. Catering to the Diverse Needs:	<ul style="list-style-type: none"> • Student's knowledge levels and needs are known through informal discussions. • Students are given guidance for further studies and competitive examinations. • Each teacher acts as a mentor to about 25 students allotted to him / her. • A formal mechanism to identify the slow learners who need remedial coaching may be a better option.
2.2.3. Teaching Learning Process	<ul style="list-style-type: none"> • Teaching is mostly based on lecture method. Sometimes LCD Projectors, OHP etc. are used. • Departmental libraries need to be strengthened particularly in the PG Departments.
2.2.4. Teacher Quality	<ul style="list-style-type: none"> • Some departments have good number of Ph.D. and M.Phil. teachers. • Many faculty members have attended Conferences, Seminars etc. • More teachers need to improve their qualifications.
2.2.5. Evaluation Process and Reforms:	<ul style="list-style-type: none"> • The process of examinations and evaluation is notified well in advance. • Evaluation is done as per University guidelines.
2.2.6. Best Practices in Teaching-Learning and Evaluation	<ul style="list-style-type: none"> • Students are encouraged and motivated to excel. • The college has introduced new courses like Biotechnology, Microbiology and Computer Science at UG level, I.T. at PG level and Ph. D. in Chemistry. • Efforts are made to inculcate moral and social values through extension lectures, Yoga classes etc.

R. Y. Lawa

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2.3 Research, Consultancy & Extension:	
2.3.1. Promotion of Research	<ul style="list-style-type: none"> • The College has constituted a Research Committee to promote Research. • Students are encouraged to undertake small research projects. • Some of the teachers have got grants for research projects from outside agencies. • More teachers need to procure research projects and grants.
2.3.2. Research and Publication Output	<ul style="list-style-type: none"> • The faculty has published one book and 35 papers in International and 29 in National Journals in the last five years. • Some of the teachers are recognized as research guides and a few are guiding research. • More teachers need to do research and publish research papers.
2.3.3. Consultancy	<ul style="list-style-type: none"> • Expertise for consultancy available in the college is publicized only during meetings etc. • A formal mechanism to promote consultancy may be required.
2.3.4. Extension Activities	<ul style="list-style-type: none"> • Extension activities are mainly undertaken through NSS and NCC. • Also awareness Programmes are organized in collaboration with some NGOs. • More social activities in the neighborhood may be undertaken.
2.3.5. Collaborations	<ul style="list-style-type: none"> • The college is undertaking extension work in collaboration with some NGOs. • More collaborative work can help the cause of research and extension.
2.3.6. Best Practices in Research Consultancy and Extension	<ul style="list-style-type: none"> • Students are encouraged to undertake minor research projects. • The faculty and the students undertake some extension work.

R. Gaur

2.4 Infrastructure and Learning Resources	
2.4.1. Physical Facilities	<ul style="list-style-type: none"> • The college has very good physical infrastructure for teaching • The college has good indoor facilities for sports and co-curricular activities.
2.4.2. Maintenance of Infrastructure	<ul style="list-style-type: none"> • Maintenance of infrastructure is very good. • The heads of departments ensure maintenance of laboratories etc. • Maintenance contracts are signed for costly equipments.
2.4.3. Library as a learning Resource	<ul style="list-style-type: none"> • The college maintains a very good library and its functioning is fully computerized. • About Rs. 12 Lacs have been spent on books and journals in the last five years. • Entry to the library as also issue and return of books is through smart cards. • Book bank facility is available to the students.
2.4.4. ICT as Learning Resources	<ul style="list-style-type: none"> • College campus has optical fiber based LAN and Wi-Fi facility. • The college has good number of PC's, Servers and relevant software. • ICT facilities are available to the students and teachers free of cost.
2.4.5. Other facilities	<ul style="list-style-type: none"> • The college has provision to provide first aid facilities in all the departments. • The college has a gymkhana with indoor games and fitness facilities. • Counseling and Placement Cells may be further strengthened.
2.4.6. Best practices in the development of Infrastructure and learning resources	<ul style="list-style-type: none"> • Video conferencing facility is available. • Smart Cards are used by students and faculty members for entry to the campus. • Maintenance of infrastructure is very good.

R. Y. Sawane

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2.5 Student Support and Progression	
2.5.1. Student Progression	<ul style="list-style-type: none"> • Some academic distinctions have been achieved by the students. • Many students are going in for higher studies. • Employment and counseling cells may be further strengthened.
2.5.2. Student Support	<ul style="list-style-type: none"> • The college publishes its updated prospectus and College magazine every year. Website is also updated regularly. • Group Insurance scheme is available for the students. • Financial support for the needy may be ensured. • Women development cell may be made more active.
2.5.3. Student Activities	<ul style="list-style-type: none"> • Students are participating mainly in indoor sports and co-curricular activities. • Student feedback on syllabi is obtained from outgoing students only. • Alumni association of the college may be activated.
2.5.4. Best practices in Student Support and Progression (if any):	<ul style="list-style-type: none"> • Mentor system for student counseling is in place. • Student visits to industry and research institutes are regularly organized. • Endowment Scholarships have been instituted to encourage brilliant students and recently alumni association has also added to this activity.
2.6 Governance and Leadership	
2.6.1. Institutional Vision and Leadership	<ul style="list-style-type: none"> • The vision of the institution is well defined. • Academic leadership is provided by the Principal as also faculty members. • The management is proactive and encourages various developmental activities in the college.
2.6.2. Organizational Arrangements	<ul style="list-style-type: none"> • The college management is very well organized. • A number of Committees have been constituted to decentralize the decision making. • Quality Advisory Committee has been constituted along with IQAC.

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R. D. Dama

2.6.3. Strategy Development and Deployment:	<ul style="list-style-type: none"> • Strategic decisions are taken by LMC, QAC and IQAC. • A few interdepartmental activities are organized to provide interdisciplinary knowledge. • Various important academic activities are planned well in advance.
2.6.4. Human Resource Management	<ul style="list-style-type: none"> • Teacher's performance is evaluated through self-appraisal and student evaluation once in two years. • Faculty is provided with ICT facilities. • More teachers need to be encouraged to improve their qualifications and soft skills.
2.6.5. Financial Management and Resource Mobilization	<ul style="list-style-type: none"> • The college has obtained some grants for seminars etc. from various funding agencies and the University. • College has started self-financing courses. • The college accounts are regularly audited.
2.6.6. Best practices in Governance and Leadership (if any):	<ul style="list-style-type: none"> • The management takes active interest in all activities of the college. • Powers and responsibilities are delegated for better coordination in the college administration. • The college trust runs some courses on its own.

2.7 Innovative Practices	
2.7.1. Internal Quality Assurance System	<ul style="list-style-type: none"> • The college encourages its students to undertake research projects. • The IQAC may undertake regular internal quality audit of various departments and administration of the college. • Annual Reports of Internal Audit may be compiled and discussed with all concerned for implementation of the recommendations.
2.7.2. Inclusive Practices	<ul style="list-style-type: none"> • Reservation policy of the University is followed in students' admission to give opportunity to weaker sections of the society. • The college provides special facilities for female students and has set up a Women Development Cell.

2.7.3. Stakeholder Relationship	<ul style="list-style-type: none"> • The college obtains feedback from various stake holders during meetings etc. informally. • A number of community development and awareness Programmes are organized through NSS and NCC. • The college may create a mechanism for strengthening formal relationship with stake holders.
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Section III: OVERALL ANALYSIS	
1. Institutional Strengths	<ul style="list-style-type: none"> • The college is totally devoted to Science education. • The college has very good infrastructural facilities. • The college provides very good ICT facilities to its teachers and students. • The courses being offered by the college are modern and relevant. • Teacher student relations are based on compassion and commitment. • Students are encouraged to undertake research projects. • The relations between management, Principal and faculty are very cordial and healthy.
2. Institutional Weaknesses	<ul style="list-style-type: none"> • The number of courses and options are limited. • Number of major research projects obtained by the faculty is very few. • Number of teachers having Ph.D. degree is less considering college being a Science college. • The number of conferences, workshops etc. organized by the college needs to be enhanced. • Participation and achievements in sports and co-curricular activities needs improvement.

R. Lawe

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3 Institutional Opportunities	<ul style="list-style-type: none"> • The college can develop into a good centre for Science education in the State. • The department of Bio-technology can be further developed to include Bio-informatics and Biochemistry at UG level and also at P.G. level. • College can perform better in the field of research. • The college can become socially more relevant by reaching out to the deprived sections of the society in the neighboring areas. • The college can organize more Seminars / Conferences / Workshops for faculty improvement.
4. Institutional Challenges	<ul style="list-style-type: none"> • The college needs to provide more funds for research promotion. • The college may be required to add more P.G. courses. • The college needs to undertake more social extension work as also consultancy. • The college has to formalize a mechanism for feedback from stake holders. • Student support services need to be institutionalized.

R. Hava

Section IV: Recommendations for Quality enhancement of the Institution

- The college can add more courses like Bio-informatics, Biochemistry, Food Technology, Clinical Nutrition, Microbial and Fermentation Technology etc. at the U.G. level.
- The college can also introduce MCA, M.Sc.(Bio-Technology), Bio-informatics etc. at the P.G. level.
- The college may start more short term vocational and add on courses based on expertise available in the departments.
- The college needs to organize more Seminars, Conferences etc. to give exposure to its faculty and students.
- The faculty may try to get more major research projects from outside funding agencies.
- The college should encourage the students to actively participate in sports and co-curricular activities to enhance achievements in these areas.
- The college may provide facilities like Health Centre and improve the functioning of other student oriented services.
- Alumni Association has to be made more active and participative in college development.
- The college may setup a formal mechanism to obtain feedback from various stake holders and analysis of the same for further development.
- The college may provide hostel facilities for male and female students.

I agree with the observations of the Peer Team as mentioned in this report.

Date: 23rd January, 2010.
Place: Thane



M. K. Pejaver
23.1.10
(Dr. Mrs. M. K. Pejaver)
Principal
Signature of the Head of the Institution
Principal
B. N. Bandodkar College of Science
Thane (W) - 400 601,
Seal of the Institution

Signatures of the Peer Team Members:

Name of Peer Team member	Designation
Prof. R.S. Bawa	Chairman
Dr. Udayan Chandra Sarkar	Member Coordinator
Prof. D. Chandra Shekhara Reddy	Member

Signature with date
R. Bawa
23.1.2010

U. Chandra Sarkar
23.01.2010
D. Chandra Shekhara Reddy
23/1/2010

Place: B. N. Bandodkar College of Science, Thane, Maharashtra
Date: 23rd January, 2010.

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29th Sept 2010

Dr. (Ms) M.K. Pejaver
Principal

B.N. Bandodkar College of Science,
Jnandweepa, Chendani
Thane (w) 400601

NCC Training



Yoga Exercises

