



Vidya Prasarak Mandal's

B.N.BANDODKAR COLLEGE OF SCIENCE, Thane

NAAC Reaccredited 'A'

University of Mumbai- "Best College Award-2009-10"

Annual Quality Assurance Report (AQAR)

For the Year 2013-14



Vidya Prasarak Mandal's

Tel. No. : 2533 65 07

B. N. BANDODKAR COLLEGE OF SCIENCE

'Jnandweep' Chendani, Thane - 400 601.

NAAC Reaccredited A Grade

Best College Award (University of Mumbai)

DR. (MRS.) M. K. PEJAVER
M. Sc., D.H.E., Ph. D.

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Principal
Reader, Head
(Dept. of Zoology)

Ref. No. BSC / 1569

Date : 22.09.2014

To ,
The Director,
National Assessment and Accreditation Council,
Bangalore.

Sub : Submission of AQAR for the year 2013-14 by email.

Sir,

We are enclosing AQAR for the year 2013-14 with track ID EC/52/RAR/05

Kindly acknowledge.

Thanking you.

Yours truly

Principal,
VPM's B.N. Bandodkar college of science
Thane, Maharashtra.



INDEX

Sr.No.	Description	Page No.
Part – A		
1.	Details of the Institution	4
2.	IQAC Composition and Activities	7
Part – B		
3.	Criterion – I: Curricular Aspects	9
4.	Criterion – II: Teaching, Learning and Evaluation	10
5.	Criterion – III: Research, Consultancy and Extension	13
6.	Criterion – IV: Infrastructure and Learning Resources	17
7.	Criterion – V: Student Support and Progression	20
8.	Criterion – VI: Governance, Leadership and Management	23
9.	Criterion – VII: Innovations and Best Practices	27
Annexure		
10.	Copy of Academic calendar Annexure i	31
11.	Action Plan Report Annexure ii	34
12.	Feedback Analysis Annexure iii	38
13.	Best Practice-1 Annexure iv-a	41
14.	Best Practice-2 Annexure iv-b	43

The Annual Quality Assurance Report (AQAR)

Part – A

1. Details of the Institution

- 1.1 Name of the Institution VPM's B.N. BANDODKAR COLLEGE OF SCIENCE
- 1.2 Address Line 1 Jnandweepa, Near CIDCO bus stop
- Address Line 2 Chendani
- City/Town Thane
- State Maharashtra
- Pin Code 400601
- Institution e-mail address prinbnb@vpmthane.org
- Contact Nos. 022-25401176, 022-25337672 0222533
- Name of the Head of the Institution Dr. (Mrs) M.K. Pejaver
- Tel. No. with STD Code 022-25401188
- Mobile 09004690471
- Name of the IQAC Co-ordinator Prof (Mrs) M.J. Gholba
- Mobile 09869427607
- IQAC e-mail address iqacbnb@vpmthane.org
mjgholba@vpmthane.org
- 1.3 NAAC Track ID MHCOGN10460
- 1.4 NAAC Executive Committee EC/52/RAR/05 dated 28th March 2010
- No. & Date
- 1.5 Website address <http://vpmthane.org/BNB>
- Web-link of the AQAR <http://vpmthane.org/BNB/AQAR.aspx>
- 1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B++	82.5	2003	15 th Sept 2008
2	2 nd Cycle	A	3.04	2010	27 th March 2015

1.7 Date of Establishment of IQAC 14/01/2004
(DD/MM/YYYY)

1.8 AQAR for the year 2013-14

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC.

i. AQAR 2010-11 was submitted by post to NAAC on 18/08/ 2011

ii. AQAR 2011-12 was submitted online to NAAC on 22 / 09 / 2012

iii. AQAR 2012-13 was submitted online to NAAC on 24 / 09 / 2013

1.10 Institutional Status:

University ☐ State ☐ Central ☐ Deemed ☐ Private ☐

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☐ No ☒
(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☒ Rural ☐ Tribal ☐

Financial Status Grant-in-aid ☒ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☒ Totally Self-financing ☐

1.11 Type of Faculty/Programme

Arts ☐ Science ☒ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☐ Health Science ☐ Management ☐
Others (Specify)

1.12 Name of the Affiliating University University Of Mumbai
(for the Colleges)

1.13 Special status conferred by Central/State Government- UGC/CSIR/DST/DBT/ICMR
etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence

N. A.

UGC-CPE

No

DST Star Scheme

Applied

UGC-CE

No

UGC-Special Assistance Programme

No

DST-FIST

"O" Level grant

UGC-Innovative PG programmes

No

UGC-COP Programmes

No

Any other (Specify)

1. Best College University of Mumbai 2009-10
2. Jagar Janivancha Second prize at District level from State Government of Maharashtra 2012-13.
3. Jagar Janivancha First prize at District level from State Government of Maharashtra 2013-14.

2. IQAC Composition and Activities

- 2.1 No. of Teachers 10+ 1 (Principal)
- 2.2 No. of Administrative/ Technical staff 03
- 2.3 No. of students --
- 2.4 No. of Management representatives 02
- 2.5 No. of Alumni 02
- 2.6 No. of any other stakeholder and community representatives 01
- 2.7 No. of Employers/ Industrialists -
- 2.8 No. of other External Experts 01
- 2.9 Total No. of members 20
- 2.10 No. of IQAC meetings held Eight
- 2.11 No. of meetings with various stakeholders : Five
- 2.12 Has IQAC received any funding from UGC during the year? Yes
If yes, mention the amount 3 Lakhs.
- 2.13 Seminars and Conferences (only quality related)
- (i) No. of Seminars/ Conferences/ Workshops/ Symposia organized by the IQAC
- Total Nos. International National State ☒
- Institution Level ☒
- (ii) Themes : 1. Role of IQAC in Quality enhancement
2. Data management
- 2.14 Significant Activities and contributions made by IQAC:
1. Audits
- i. Internal audit- by IQAC and report was submitted to Principal on 1st Aug 2013
- ii. External audit was conducted by Prin Vijay Joshi (K.J. Sommaiya college , Vidyavihar) on 13th Aug 2013.

2. Workshops and Seminars
 - i. Organized a State level workshop on Role of IQAC in quality enhancement.
 - ii. Workshop on Use of computers to maintain data for Laboratory assistants.
3. Strengthening Data collection
 - i. Orientation of Departmental non teaching staff.
 - ii. Collection of online feedback from students of F.Y. and S.Y. classes and its analysis.
 - iii. Collection of data to calculate student's satisfaction from T.Y. students and its analysis.
 - iv. Orientation of Office Staff.
4. Initiation of various programmes
 - i. Strengthening of the Research activity.
 - ii. Initiating value added and skill development courses/workshops.
 - iii. Life skills sessions for T.Y. B.Sc. Students by the Counsellor.
 - iv. Starting Research Scholar programme for UG students.
 - v. Conducting various activities under "Jagar Janivancha" campaign started by Govt. Of Maharashtra.
5. Orientation for staff and students regarding examination rules and regulations.
6. Application to the University of Mumbai for sanction of various new courses at UG and PG level.

2.15 Plan of Action by IQAC/Outcome : The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

1. Copy of Academic Calendar for year 2013-14 is given in Annexure –i
2. Action plan and Outcome given in Annexure ii

2.16 Whether the AQAR was placed in statutory body Yes

✓ Management Syndicate ✓ Student's council

Provide the details of the action taken.

Management approved the report and suggested

- 1) To plan lectures on civic sense.
- 2) To take measures like setting AC temperature to 25°C for energy conservation.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes -2013-14

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	6	-	2	-
PG (5papers+5 Research)	10	-	5	-
UG	11	-	5	-
PG Diploma	-	6	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	9
Others YCMOU	3	-	-	-
Total				

Interdisciplinary	Got sanction to start the course from 2014-15.
Innovative	Research scholar program at college level for UG students.

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	11 UG and 5 PG
Trimester	--
Annual	--

1.3 Feedback from stakeholders* (On all aspects)

Alumni ☒ Parents ☐ Employers ☐ Students ☒

Mode of feedback : Online ☒ Manual ☒

An analysis of the feedback is given in the Annexure-iii

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects - No

1.5 Any new Department/Centre introduced during the year. If yes, give details. No.

Criterion – II**2. Teaching, Learning and Evaluation****2.1 Total No. of permanent faculty**

	Total	Asst. Professors	Associate Professors	Professors	Others
Aided	39	17	22	Waiting for approval from University.	-
Unaided	3	03	-	-	-

2.2 No. of permanent faculty with Ph.D.: 18**2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year**

	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
Aided	17	8	22	-	-	2	-	-	39	8
Unaided	37	-	-	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

Visiting faculty: 57 for PG courses.

Temporary faculty Aided courses: 09

Temporary faculty Un-Aided courses: 37

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	08	40	18
Presented papers	5	10	01
Resource Persons	-	02	0

2.6 Innovative processes adopted by the institution in Teaching and Learning.

1. Use of ICT,
2. Conducting seminars/workshops,
3. Showing subject related movies.
4. Uploading notes/ Question banks/Old question papers on Digital repository.
5. Lecture series by young scientist.

2.7 Total No. of actual teaching days during this academic year: 192

- 2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)
- Photocopy of answer papers on request and revaluation of answer papers,
 - Moderation as per University rules.
 - Online test(By IT department)
- 2.9 No. of faculty members involved in curriculum restructuring/ revision/ syllabus development as member of Board of Study/Faculty/Curriculum Development workshop
- Our principal is Dean of the science faculty, University of Mumbai and members of Academic council.
 - Two staff member are the members of Faculty of Science and four staff members are members of board of studies.
 - Fifteen staff members are the members of Syllabus committee.
 - Seven staff members have attended Curriculum Development workshop.
- 2.10 Average percentage of attendance of students 75%
- 2.11 Course/Programme wise distribution of pass percentage
University of Mumbai

Title of the Programme	Total no. of students appeared	Division						Total Pass %
		O	A	B	C	D	E	
B. Sc.	258	2.33	32.56	29.46	5.04	0.00	0.00	69.38
B. Sc. (I.T.)	117	3.40	27.35	24.70	7.69	1.70	-	64.84
M. Sc. Chem	07	-	14.28	42.86	-	-	-	57.14
M.Sc. Ev.Sc.	20	-	90.0	10.00	-	-	-	100.00
M.Sc. Phy.	08	12.50	50.0	25.00	-	-	-	87.5
M. Sc (I.T.)	18	-	50.00	33.33	5.56	-	-	88.89

YCMOU Courses

Title of the Programme	Total no. of students appeared	Total Pass %
B.L.I. Sc.	36	84.37
M.L.I. Sc.	25	17.65
Diploma in journalism	13	100.00

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes?

The monitoring of the teaching learning process is done through

- The review of teaching learning plan
- By the system of feedback from students and parents and its' analysis.
- Departmental reports.
- API and Self Appraisal Forms
- Attendance committee reports
- Internal audit on the basis of departmental reports, feedback analysis.

Analysis report is discussed with Principal and recommendations for improvement are given by Principal and IQAC coordinator to the respective Heads/In charge.

2.13 Initiatives undertaken towards faculty development:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	03
UGC - Faculty Improvement Programme	NIL
HRD programmes (VPM BRIMS -Rising above and beyond the Excellence)	18
Orientation programmes	01
Faculty exchange programme	Nil
Staff training conducted by the university	NIL
Staff training conducted by other institutions	NIL
Summer / Winter schools, Workshops, etc.	NIL
Short term courses	03
RBNQA - Examiners Course	02
RBNQA - Orientation course	12

2.14 Details of Administrative and Technical staff.

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	10	06	02	06
Technical Staff	39 +5(Lib)	08	07	10

Criterion – III**3. Research, Consultancy and Extension**

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution.

1. Active Research committee.
2. Annual organization of National conference/Seminar /workshops.
3. Motivation to attend /present papers in conferences/ seminars.
4. Encourage faculty to take up Minor and Major Research Projects.
5. Mini research project for students,
6. Publication of online journal J-BNB
7. Introducing Research Scholar programme for UG students.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	3	3	-
Outlay in Rs. Lakhs	-	-	32,31,300	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	4	4	-
Outlay in Rs. Lakhs	-	3,15,000	4,65,000	

3.4 Details on research publications.

	International	National	Others
Peer Review Journals	15	-	
Non-Peer Review Journals		17	
e-Journals		12	
Conference proceedings		8	

3.5 Details on Impact factor of publications.

Range Average h-index Nos. in SCOPUS

- 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations.

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects ongoing	3 years	UGC	10,43,000	10,23,000
Minor Projects ongoing	2 years	UGC	4,65,000	3,15,000
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)	One to One and half year	college	As per requirement.	-
Any other(Specify)				
Total				

- 3.7 No. of books published
- i) With ISBN No. 2
 - ii) Chapters in Edited Books - Nil
 - iii) Without ISBN No. 1

- 3.8 No. of University Departments receiving funds from
- | | | | |
|---------|------------------|----------|--------|
| UGC-SAP | CAS | DST-FIST | } N.A. |
| DPE | DBT Scheme/funds | | |

- 3.9 For colleges

Autonomy CPE DBT Star Scheme Applied

INSPIRE ☒ DST-FIST ☒ Any Other (specify

- 3.10 Revenue generated through consultancy Rs. 6000/-

3.11 No. of conferences Organized by the Institution

Level	International	National	State	University
Number	Nil	One	One	-
Sponsoring agencies	NA	UGC	College	-

3.12 No. of faculty served as experts, chairpersons or resource persons:

As Chairperson: Four

As expert : Five

As resource person : Twelve

3.13 No. of collaborations

International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency :Rs. 13,38,00 from UGC

From Management of University/College :- As per requirement chemicals and lab facilities are provided

Total

3.16 No. of patents received this year :NIL

Type of Patent		Number
National	Applied	Nil
	Granted	
International	Applied	Nil
	Granted	
Commercialised	Applied	Nil
	Granted	

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute

Total	International	National	State	University	Dist	College
02	-	01	-	-	01	-

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution : 02

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)
 JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
 National level International level

3.22 No. of students participated in NCC events:

University level State level
 National level International level

3.23 No. of Awards won in NSS: Nil

3.24 No. of Awards won in NCC: 01

3.25 No. of Extension activities organized

University forum	College forum
NCC <input type="text" value="04"/>	NSS <input type="text" value="28"/> DLLE <input type="text" value="05"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility (Details are included in Annexure ii)

- Programme was arranged on women empowerment through WDC.
- Life Skills conducted for students through Counselling Cell.
- Tree plantations
- Help rendered to Sobati- school for blind and mentally challenged children.
- College School complex
- Camp at Mann ashram shala.
- On Gender Sensitization programme was organized .
- Through Jaagar janivancha many programmes were arranged.
- Survey regarding women's problem is conducted by our DLLE students. During this survey they orient the woman and make them aware about the Law for Woman.

Criterion – IV**4. Infrastructure and Learning Resources****4.1** Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	13.5	--	--	13.5acres
Class rooms	19	--	--	19
Laboratories	20	--	--	20
Seminar Halls	02	--	--	02
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		03	FIST	
Value of the equipment purchased during the year (Rs. in Lakhs)		14,55,961/-	-	

4.2 Computerization of administration and library;

1. Use of Lib-suite software for library automation.
2. Use of D- space software for Digital Repository
3. Use of FA Payroll software for accounts management
4. Biometric Attendance.
5. Closed Circuit Camera surveillance and tracking
6. LAN -Sharing data through computer
7. Communication via webmail.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value in Rs.	No.	Value in Rs.	No.	Value in Rs.
Text Books	5044	434464	61	6517	5105	440981
Reference Books	23338	5581568	1042	697470	24380	6279038
e-Books	8100 + from N-List	Paid By Mgmt	-	-	8100+ from N-List	Paid By Mgmt
Journals	32	51700	-	-	32	51700
e-Journals	8782	Paid By Mgmt			8782	Paid By Mgmt
Digital Database	5	Paid By Mgmt			5	Paid By Mgmt
CD & Video			31	-	31	
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others laptops
Existing	212	6	2mbps	All pcs in all departments, Library, Admin office	07	01	12	11
Added	-	-	2mbps	-		-	-	1
Total	212	6	2 lines of 2mbps		07	01	12	12

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

1. Orientation lectures "How to access online Databases" for staff and students.
2. Training for Laboratory assistants.
3. Course on Basics of R-Programming was conducted for S.Y. B.Sc. Statistics students.
4. Training was given to M.Sc.(E.V. Sc.) Students on data analysis using Excel.
5. Certificate course in bioinformatics was conducted.
6. Movie making workshop was conducted by research committee.
7. Training to students -handling of equipments

4.6 Amount spent on maintenance in lakhs

i) ICT : ICT related maintenance of entire campus is taken care by management appointed staff.

College paid Rs 3, 49,078

ii) Campus Infrastructure and facilities : Maintenance of infrastructure and other facilities on the entire campus is taken care by management appointed staff.

College paid Rs. 8,01,459

iii) Equipments Rs 44,898/-

iv) Others : -

Criterion – V**5. Student Support and Progression****5.1 Contribution of IQAC in enhancing awareness about Student Support Services**

1. Orientation lecture by Principal for all the students ,
2. Orientation session by examination committee to staff members, for about rules and regulations of examinations and paper assessment.
3. Orientation by librarian for facilities available for the students,
4. Orientation to library staff, administrative staff, departmental staff.
5. Orientation to all committee heads, coordinators.

5.2 Efforts made by the institution for tracking the progression

1. Audit of individual departments about academic and infrastructural growth.
2. Audit of NSS/NCC/DLLE/Cultural/Gymkhana committees
3. Committee meetings.
4. HODs meetings.

5.3 (a) Total Number of students

UG	PG	Ph. D.	PG Diploma	YCMOU
1405	123	9	62	40

(b) No. of students outside the state

1

(c) No. of international students Nil

Men

No	%
618	40.03

Women

No	%
926	59.93

Enrolment under University of Mumbai

Year	General	SC	ST	DT/NT/ VJ	OBC/SBC	Physically Challenged	Total
2012-13	854	164	47	57	325	1	1447
2013-14	926	136	44	65	332	1	1544

Demand ratio (no. of applications/no. of seats)**F.Y. B.Sc. (aided) : 2.31****F.Y. B.Sc. (unaided) : 7.75****F.Y. I.T. : 9.49****M.Sc. : 2.26**

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Department of Biotechnology and Microbiology rendered Coaching for all India level (subject related) competitive examinations.
- Chemistry department organised workshop on Preparation for NET/SET examination in the subject of Chemistry.

No. of students beneficiaries: 85

5.5 No. of students qualified in these examinations

NET	SET/SLET	GATE	CAT
IAS/IPS etc	State PSC	UPSC	JNU
--	--	--	02

5.6 Details of student counselling and career guidance

- Total 114 cases were accounted in this academic year which includes 27 follow up cases of last academic year.
- The cases in which parental support was needed the parents were called and were reported about the same.
- To promote mass awareness regarding mental health, life skills sessions were conducted in T.Y. Classes and M. Sc Classes. The life skill sessions this year included assertive communication, self awareness.
- A mass awareness board has been put up on the ground floor where various articles are put up to promote mass mental health awareness

No. of students benefitted: 114

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
10	276	4	8 (Zoology)

5.8 Details of gender sensitization programmes.

- On Gender Sensitization programmes were organized through NSS.
- Lecture on empowerment of women was organised by WDC.

5.9 Students Activities

No. of students participated in Sports, Games and other events

State/ University level

National level

International level

No. of students participated in cultural events

State/ University level

54

National level

--

International level

--

No. of medals / awards won by students in Sports, Games and other events

Sports : State/University level

14

National level

--

International level

--

Cultural: State/University level

--

National level

--

International level

-

5.10 Scholarships and Financial Support

	Number of students	Amount in Rs.
Financial support from institution	2	9,400
Financial support from government	336	43,11,855
Financial support from other sources	05	11,075
Number of students who received International/ National recognitions	02	1,20,000

5.11 Student organised / initiatives

Fairs : State/ University level

--

National level

--

International level

--

Exhibition: State/ University level

--

National level

--

International level

--

5.12 No. of social initiatives undertaken by the students:- 05

1. Tree plantation
2. Volunteers during Ganesh Visarjan
3. Mann Asram Shala
4. Help to Sobati
5. Blood donation
6. Discussion and demonstration of experiments sessions to school children through college school complex.

5.13 Major grievances of students (if any) redressed : One

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: Imparting quality education in science.

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

6.2 Does the Institution has a management Information System : Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development:

- Conducting workshop in different subject
- Bridge Courses + Remedial teaching initiated
- Conducting Enrichment courses
- Encouraging teachers to participate in various curriculum based programmes/courses.
- Institution has started four certificate courses for the students benefit.

6.3.2 Teaching and Learning:

- Monitoring of teaching – learning process through student's feedback.
- Records of tests and feedback properly maintained
- Ensures proper learning facilities.
- Use of ICT. Every department has LCD and Laptop
- Digital Repository / web OPAC,
- Free internet facility for all students and staff

6.3.3 Examination and Evaluation:

- Orientation lecture to students
- Orientation of staff members about supervision and evaluation work.

6.3.4 Research and Development

- Mini research projects for students.
- Motivating to Teaching staff members for Major and minor funded research projects.
- Promoting faculty participation in Paper presentations at various conferences research by granting them leave.
- Encouraging for Paper publications.
- Organised National Annual conference and two preparatory workshops.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Provision of latest collection of reference books and journals to the students and teachers.
- To use ICT efficiently and effectively to manage the Library and information services.
- Orientation session for staff and students about library databases.
- To use the Library space effectively so as to accommodate the growing number of books and readers
- Addition in digital repository
- Interdepartmental sharing of instruments and facilities.

6.3.6 Human Resource Management: According to the need of individual subjects and taking in to consideration the individual workload teaching, nonteaching and technical staff members are recruited. Inter departmental sharing of teaching staff is practiced. According to the capacity, interest and expertization the extracurricular activities are deployed.

6.3.7 Faculty and Staff recruitment :

- Staff recruitments are as per the rules set by Govt. Of Maharashtra and University of Mumbai.
- Temporary staff appointments are done by management
- Staff for unaided section is appointed by management.

6.3.8 Industry Interaction / Collaboration:

- Various departmental clubs regularly host guest lectures by eminent people working in industries.
- Interaction with industrial workforce is facilitated with annual Career Melava.
- Employment cell invites renowned companies for campus placements.

6.3.9 Admission of Students:

According to the rules and regulation of Government of Maharashtra and University of Mumbai, Merit based On-line admissions are given to the students.

For diploma courses the norms led by VPM are followed.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Duty leave to attend seminar/ conferences/ workshops/FIP. • Salary is paid by the management for newly recruited staff till government's approval is received. • VPM's Employees' Co-op. Credit Society. • Free yoga classes.
Non teaching	<ul style="list-style-type: none"> • Duty leave to attend workshops. • Interest free Festival advance is given • VPM's Employees' Co-op. Credit Society. • Free yoga classes. • Uniform is given for unaided class IV employees. • Gum boots and rain coats are given to watchmen. • Gum boots and hand gloves are given to sweeper working for bio compost bin. • The non-teaching staff of the chemistry department are provided with gloves and safety goggles
Students	<ul style="list-style-type: none"> • Facility to pay the fees in instalments • Insurance, • Book bank facility, • TA/ DA are paid to the students for participation in extracurricular activities. • Earn-Learn scheme for some students. • Free yoga classes

6.5 Total corpus fund Generated fees collection : Rs. 2,82,91,640

6.6 Whether annual financial audit has been done Yes

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Experts, Principal of other colleges.	Yes	IQAC
Administrative			Yes	IQAC

6.8 Does the University/ Autonomous College declares results within 30 days NA

- 6.9** What efforts are made by the University/ Autonomous College for Examination Reforms [NA](#)
- 6.10** What efforts are made by the University to promote autonomy in the affiliated/ constituent colleges. [NA](#)
- 6.11** Activities and support from the Alumni Association
- i. Alumni meet 'Anubandha' was held in college auditorium on 11th January 2014.
 - ii. Lectures by few alumni members were planned for guiding present students.
- 6.12** Activities and support from the Parent – Teacher Association:
- i. Open door policies are maintained in the institute to get spontaneous/ timely feedback from parents,
 - ii. Regular meetings are planned for all the students of T. Y. B. Sc. by the departments.
 - iii. Parents meetings for defaulter students is organised which is addressed by Principal, Vice –Principal.
- 6.13** Development programmes for support staff:
- i. Orientation lecture
 - ii. Workshop on computer literacy
 - iii. Yoga classes.
- 6.14** Initiatives taken by the institution to make the campus eco-friendly
- i. Paper shredder
 - ii. Bio-composting for green waste
 - iii. Segregation of waste
 - iv. Placard on Energy Conservation
 - v. Tree plantation
 - vi. Vermi- composting for canteen waste.
 - vii. Lectures by experts are arranged.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- i. Research Scholar Program for UG students.
- ii. Student Self assessment and Teachers Self Assessment form along with API
- iii. Lecture series by young scientists.
- iv. External audit along with internal audit.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year. Details Annexure i

Major actions

- i. Department wise plan of action was decided and accordingly action was taken, report is submitted to IQAC at the end of the year.
- ii. Internal audit was conducted and report was given to Principal on 1st Aug 2013.
- iii. External audit was conducted by Prin Vijay Joshi, Principal of K.J. Sommaiya College, Vidyavihar, on 14th Aug 2013.
- iv. State level workshop on Role of IQAC in Quality enhancement was conducted on 5th Oct 2013.
- v. National conference on Biodiversity: Status and Challenges FAVEO 2013 along with two preparatory were organised as per schedule.
- vi. All activities like cultural, Sports, Literary association, NSS, NCC, Departmental clubs, WDC, DLLE, Jagar Janivancha were conducted as per schedule.
- vii. Value added and skill development courses were conducted.
- viii. Starting of research scholar program.
- ix. Application for approval to start new courses at UG and PG level was submitted to University of Mumbai.

7.3 Give two Best Practices of the institution

Given in Annexure iv- a & b

7.4 Contribution to environmental awareness / protection

- i. Plantation projects,
- ii. Volunteers for promoting SAVE LAKE campaign at the time of Ganesh immersion.
- iii. Implementing energy saving techniques is ensured that the lights and fans are switched off by peons and staff after completion of the last lecture of the day.
- iv. Guest lecture on energy conservation.

7.5 Whether environmental audit was conducted? No.

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strengths:

- Proactive Management and Principal
- Transparent and democratic decision making process
- Experienced and dedicated teaching staff
- Dedicated and experienced support staff
- Cordial relationship among the members of the management, staff, students and parents.
- High success rates in examinations as compared to University results.
- Array of courses available.
- Representation of faculty members in Board of Studies and syllabus committee contributing to curriculum design.
- Motivation for research.
- Free access to Journals and databases.
- Student centric approach- open door policy.
- Student welfare and student support schemes
- Free yoga classes for staff and students
- Excellent infrastructure facilities
- A state of the art library.
- Location of the college is near to Railway station and Bus stand.
- Student feedback analyzed and used for improvement in all processes
- Optimum utilization of resources
- Teaching aids for ICT enabled teaching
- Student-friendly services.
- Secured and eco-friendly campus.
- Wi-Fi campus and free internet service to all.
- Canteen and photocopying facility on campus.
- Active IQAC members.

Weakness:

- Limited role permitted in syllabus framing
- Limitation of space
- Due to the economic background of students, limitations on implementing of value added courses.

Opportunities:

- To strengthen Alumni association
- To strengthen linkages with industries.
- Streamlining collaborations and consultancy
- To be recognised as “College with Potential for Excellence”
- To streamline activities of placement cell.
- To have more activities through WDC.

Challenges:

- Students from vernacular medium.
- Catering to diverse needs of students within a class space constraint
- Keeping pace with the rapid changes in higher education.
- Generation of resources for up gradation of infrastructure.
- To motivate students to participate in various extracurricular activities.

8 Plans of institution for next year

1. To apply for funding under DST star scheme.
2. To apply for Ramakrishna Bajaj National Quality Award.
3. To start new courses
 - i. M. Sc. Biodiversity conservation and Management,
 - ii. B. Sc. Inter disciplinary,
 - iii. B. Sc Human sciences,
 - iv. B. Sc. With NCC as option for FC
4. To submit RAR and go for reaccreditation
5. To conduct Green audit of the campus, to implement measures for energy saving.
6. To conduct National conference on New and Emerging Trends in Bio-informatics and Taxonomy
7. To conduct Environmental awareness programmes through Environmental Science Department.
8. To arrange more programmes through Placement cell.
9. To continue with following activities along with regular scheduled teaching

and examination work.

- i. Departmental club activities.
- ii. Remedial lectures for slow learners.
- iii. Bridge lectures
- iv. Extra coaching for meritorious students.
- v. Excursions/Industrial visits/ Visits to Institutes.
- vi. Mini research project activity for students
- vii. School college complex
- viii. Value added courses
- ix. Skill development workshops
- x. Yoga classes.
- xi. Publishing e- Journal J-BNB
- xii. Literary association activities.
- xiii. Publishing of magazine- Sanyuja
- xiv. Cultural activities.
- xv. Sports activities.
- xvi. Lectures to empower girls through WDC
- xvii. Book exhibitions on special days by Library club- Friends of Library.
- xxviii. DLLE activities
- xix. NSS activities –Blood donation, Tree plantation,
- xx. NCC activities.
- xxi. Orientation lectures for students by Principal.
- xxii. Orientation of Newly recruited teaching staff
- xxiii. Orientation of Newly recruited Laboratory staff.
- xxiv. Orientation to students regarding Library facilities.
- xxv. Orientation to students regarding new examination pattern.
- xxvi. Publication of magazine- Sanyuja
- xxvii. Publication of e-journal J-BNB
- xxviii. Excursions and Industrial visits.
- xxix. Mentor System
- xxx. Career orientated lectures through Placement cell.
- xxxi. Life skill sessions by the Counsellor for the Students.
- xxxii. Alumni meet
- xxxiii. Parents meetings.

Name _____

Name _____

Signature of the Coordinator, IQAC
IQAC

Signature of the Chairperson,

VPM's B.N. Bandodkar college of Science, Thane(w)

Annexure i

B.N.Bandodkar College of Science, Thane

Calendar for Academic year 2013 – 2014 / Saur Shake 1935 - 1936

First Term : (10June – 31 October 13)

Second Term : (25 Nov. 13 – 30th April 14)

	JUNE Vaishakh /Jeshtha / (Shake1935)					JULY Jeshtha /Ashadh (Shake 1935)					AUGUST Ashadh/Shravan (Shake 1935)					SEPTEMBER Shravan/Bhadrapad (Shake 1935)				
SUN	30	2	9	16	23		7	14	21	28		4	11	18	25	1	8	15	22	29
MON		3	10	17	24	1	8	15	22	29		5	12	19	26	2	9	16	23	30
TUE		4	11	18	25	2	9	16	23	30		6	13	20	27	3	10	17	24	31
WED		5	12	19	26	3	10	17	24	31		7	14	21	28	4	11	18	25	
THU		6	13	20	27	4	11	18	25		1	8	15	22	29	5	12	19	26	
FRI		7	14	21	28	5	12	19	26		2	9	16	23	30	6	13	20	27	
SAT	1	8	15	22	29	6	13	20	27		3	10	17	24	31	7	14	21	28	
	10th June - Degree College reopens Principal's inaugural lecture for S.Y.& T.Y.B.Sc S.Y.B.Sc, T.Y.B.Sc. lectures begin 15th June Junior college reopens Principal's inaugural lecture for Jr College. Submission of Departmental reports & Files to IQAC. S.Y.J.C. lectures begin 3 rd week -Principal-HOD meeting (S.Y.B.Sc. and T.Y.B.Sc practical. batches)Selection of students for committees NCC,NSS enrollment S.Y.J.C. practicals begin IQAC meeting Internal audit 19 th June Principal's inaugural lecture for F.Y.B.Sc IQAC – orientation for Lab assistants for data keeping. Certificate course in Yoga(1st) 4 th week-F.Y.B.Sc. lectures begin Principal-staff meeting VPM-HOD meeting. Teaching days - 17					1 st week - Cultural- Magazine Gymkhana, Literary committees student's interviews for secretary IQAC meeting Internal audit report submission. IQAC – 5 days workshop for Lab assistants on computer literacy. Orientation for New staff 2 nd week –F.Y.J.C.Lectures begin Nature club(zoology)activity IT club activity Principal-HOD meeting (F.Y.B.Sc. practical batches F.Y.B.Sc. practicals begin. 3 rd week- Parents meeting (F.Y.J.C./S.Y.J.C.& S.Y.B.Sc) Assignment for (1st , 3rd and 5th sem) 27th July 1st preparatory workshop for Biodiversity conference Zoology Dept. Certificate course in Yoga(2nd) Employment cell Programme 4 th week Essay competition Department-wi parents meeting (T.Y.B.Sc) Maths – Stats club activity Library committee meeting Mentor –distribution for students Last week- First cultural inaugural programme Teaching days - 27					1 st week- Failure & ATKT old course Exam. Student council meeting Botany club activity, Chemistry club activity Trekking activity - College school Complex activity External academic audit IQAC –workshop for office staff. 2 nd week -Poetry and story writing competition Poetry Competition Singing competition F.Y.J.C. 1 st Mid-Term theory exam. S.Y.J.C.1 st CET exam 3 rd week - Physics club and IT club activity Parents meeting of F.Y.J.C. 4 th week - Principal-HOD-meeting Last week - Past students- Alumni Principal meeting Class test (Internal Exam.) (1st , 3rd and 5th sem) Teaching days - 25 9th Aug Ramzan Idd 15th Aug Independence day 28th Aug Janmashthami (optional) 18th Aug Parsi new year (Sunday)					1 st week IQAC &QAC meeting Practical Exam(1 st , 3 rd and 4 th Sem Appl. Component M.Sc - I 2 nd week - Debate and Elocution competition 3 rd week -Principal-HOD meeting F.Y.J.C. first term Pract. Exam. Women cell activity (Lecture-Existing laws related to woman's rights-Woman cell activity) Orientation for New students regarding Examination pattern 4 th week-Third cultural programme Additional Internal Exam. 28th Sept 2nd preparatory workshop for Biodiversity conference (Zoology Dept) Orientation for New staff regarding Examination duties. F.Y.B.Sc parent's meeting Last week-Students / teacher's assessment form submission Staff Academy programme Library committee meeting Short excursions(Botany/Zoology) Teaching days - 25 9th Sept Ganesh chaturthi				

	OCTOBER Bhadrapad/Ashwin (Shake 1935)					NOVEMBER Ashwin /Kartik (Shake 1935)					DECEMBER Kartik /Margashirsh(Shake 1935)					JANUARY Margashirsh /Poush(Shake 1935)				
SUN		6	13	20	27		3	10	17	24	1	8	15	22	29		5	12	19	26
MON		7	14	21	28		4	11	18	25	2	9	16	23	30		6	13	20	27
TUE	1	8	15	22	29		5	12	19	26	3	10	17	24	31		7	14	21	28
WED	2	9	16	23	30		6	13	20	27	4	11	18	25		1	8	15	22	29
THU	3	10	17	24	31		7	14	21	28	5	12	19	26		2	9	16	23	30
FRI	4	11	18	25		1	8	15	22	29	6	13	20	27		3	10	17	24	31
SAT	5	12	19	26		2	9	16	23	30	7	14	21	28		4	11	18	25	

<p>1st week: (1st, 3rd & 5th Ssem) External Theory Exam. IQAC Meeting 2nd week:L.M.C.meeting College committee Meetings(Degree &Jr college). Degree &Jr college .staff meeting VPM – HOD meeting Student council meeting Jr. college First term Theory & Practical exam. 5th Oct State level Seminar by IQAC 3rd week Principal- HOD meeting DLLE Skill development courses. NSS- Skill development courses. Statistics dept- Basics of R programming courses Submission Marklist (1st Sem 3rd sem and 5th Sem) 31Oct. 13 End of First Term Teaching Days-25 Zoology and Botany - long /short excursions 2nd Oct Gandhi Jayanti 13th Oct Dassara(Sunday) 16th Oct Bakri Idd 1st Nov - 24 Nov 2013 Diwali Vacation</p>	<p>25th Nov Second term begins (25Nov 13 to 30 Apr 14) 3rd week Principal - HOD meeting Nature Club Activity) Hiking comm..Activity Certificate course in Yoga(3rd) 4th week Parents' Meeting Defaulters Maths and Stats club activity. Fourth Cultural programme 29 &30 Nov. Biodiversity Conference –Zoology Dept Teaching Days- 6 4th Nov. Diwali Padwa 14th Nov. Moharam 3rd Nov Laxmipujan (Sunday) 17th NovGurunanak Jayanti (Sunday)</p>	<p>1st week Physics, IT and Chemistry club activity Quiz Competition IQAC Meeting 2 & 3 Dec Career Mela for Jr collage students 3 & 4 Dec Career Mela Degree college students DLLE Skill development courses. Certificate course on Personality Development 2nd week Students' council meeting Fifth cultural programme Botany club activity Poetry Competition 3rd week Women's cell activity Assignment(2nd, 4th , 6th Sem) 4th week 21-23-235Dec.Sports Day, Annual / Social Day (Non – Teaching days) Teaching Days – 17 25th Dec 13 -1st Jan 2014 Winter Break (Christmas Vacation Zoology and Botany- long/short excursions.</p>	<p>1st week- Inauguration Magazine and Prize distribution ceremony IQAC Meeting 2nd Midterm for FYJC and repeaters Annual Practical Exam for FYJC 2nd week Principal- HOD meeting 3rd week SYJC Prelim(prac) Class test (2nd, 4th , 6th Sem) Internal Assn.Exam. 4th week Parents' Meeting (Defaulters) 2nd CET and Prelim for S.Y.JC. Staff Academy programme Teaching Days- 26 26th Jan 2014 Republic Day(Sunday)</p>
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VPM's B.N. Bandodkar college of Science, Thane(w)

[illegible]

NSS : Orientation lectures on the topics Disaster Management, Energy Conservation and Audit, e-waste, HIV/AIDS sensitization, Investment ,
Placement cell : Orientation lectures on competitive/ Entrance Exams, Communication Skills.

Annexure ii

Sr. No.	Plan of Action	Achievements
1.	To go For external Audit	Prin Vijay Joshi, K.J. Sommaiya college was invited as an expert for academic audit on 14 th Aug 2013.
2.	Internal Audit	Internal Audit was conducted by IQAC and report was submitted to Principal on 1 st Aug 2013.
3.	Orientation lecture for Students.	Orientation lecture conducted for S.Y.B.Sc. &T.Y.B.Sc on 10 th June 2013 F.Y. B.Sc on 19 th June 2013 M.Sc on 2 nd July 2013
4.	Orientation for Laboratory Assistants and workshop on use of computers for data management	Orientation session was conducted from 1 st July to 5 th July 2013.
5.	Orientation for Office Staff for improvement in working system.	Orientation session was conducted on 15 th Nov 2015.
6.	Orientation for Newly recruited staff by Principal followed by Examination committee to guide them regarding exam system and paper assessment.	Orientation session was conducted 21 st Sept 2013
7.	Orientation lecture for Students regarding examination rules.	24 th and 25 th June 2013
8.	State Level Workshop on Role of IQAC on Quality enhancement.	State level workshop was held on 5 th Oct 2013. Dr B.S. Madhukar, Dr. M.R. Kurup and Prof Venkatramani were the Key speakers.
9.	To conduct National conference on Biodiversity Status and Challenges FAVEO 2013 along with two preparatory workshops.	First preparatory workshop was conducted on 27 th July 2013. Second workshop was arranged on 28 th Sept 2013. National Conference was conducted on November 29-30, 2013.
10.	To conduct orientation lectures and Skill development courses for teachers through Research committee.	A lecture on Patent technology was arranged on 16 th July 2013. Workshop on Movie making was arranged on 18 th Jan 2014.

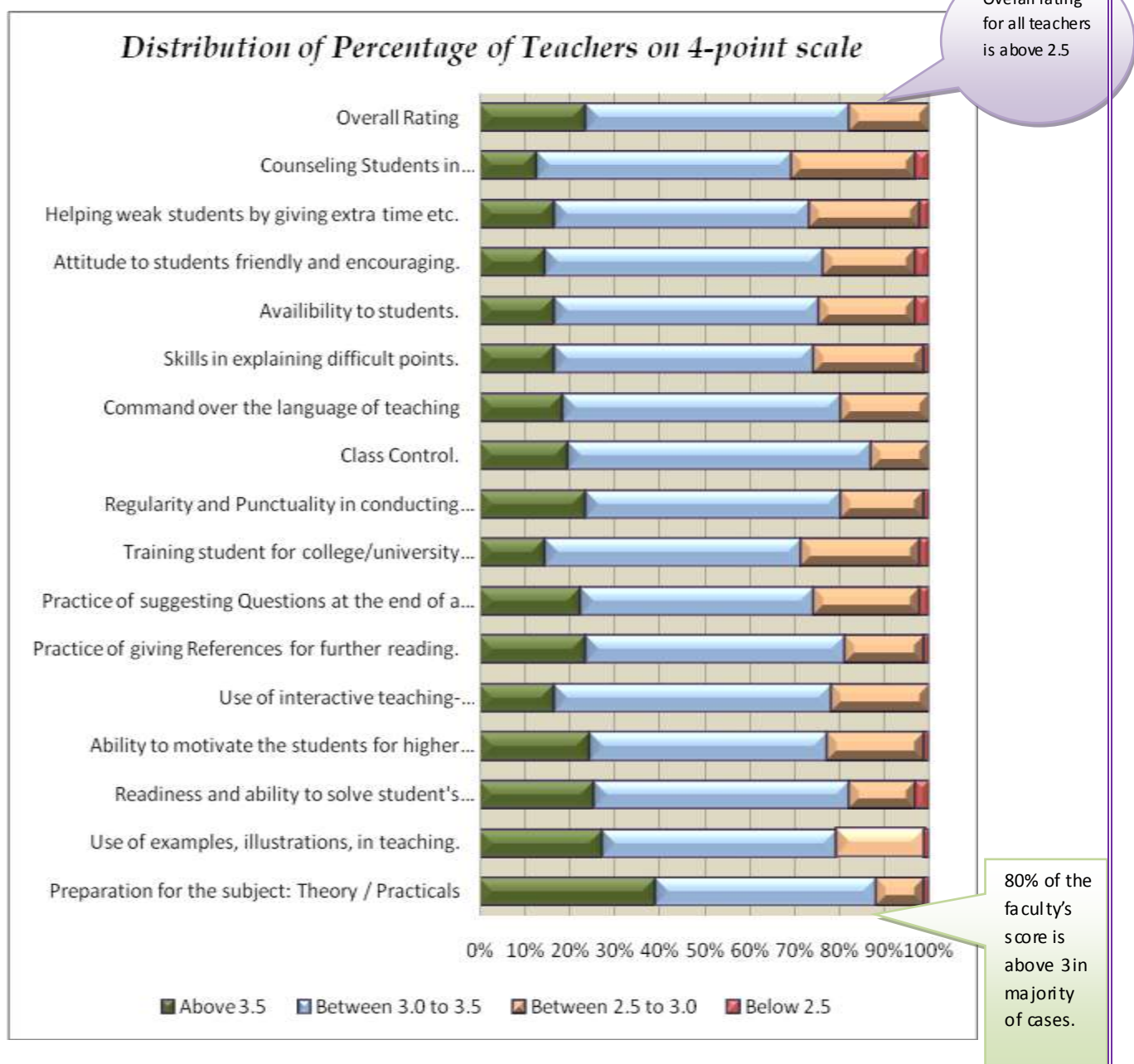
11.	To arrange Life skill session with counsellor.	Lectures were arranged in the month of August for all the TY and MSc students.
12.	To conduct value added courses.	Basics of R programming from 22 nd to 27 th Oct 2013. Personality Development and Leadership 22 nd -29 th Oct. 2013
13.	To conduct Skill development courses for students.	Making of imitation jewellery from 27 th -29 th Oct 2013, Preparation of Instant food and chocolate on 25 th Oct 2013. Workshop on Calligraphy organised on 7 th Dec.2013 Dance Workshop on Hip Hop and Salsa organised on 14 th Dec 2013 Workshop on Drawing organised on 19 th Dec 2013. Lecture on Photography on career on 16 th Jan 2014
14.	To arrange informative lectures about- How to prepare for competitive examination?	On 17 th July lecture was arranged by Department of Biotechnology & Microbiology. On 7 th September 2013 workshop on preparation for NET/SET examination was arranged by Chemistry Department.
15.	To arrange some lectures through research committee.	<ul style="list-style-type: none"> On 16th July 2013 lecture was arranged. Dr. R. T. Sane Director, Guru Nanak Institute of Research and Development, emphasized on National Facilities for Biopharmaceuticals. On 16th July 2013 Dr. Pushpalata Sarjekar , Senior Manager, ARCH Pharmalabs Ltd- gave information about PATENT TECHNOLOGY. On 23rd January, 2014 Prof. Jean Cadet Atomic energy advice, gave in depth information on "Oxidatively generated and photo-induced damage to DNA"
16.	To arrange Hike and trek	122 Students and 12 staff members visited "Matheran on 1 st Sept 2013.
17.	To arrange Parents meeting department wise	Department wise parents meetings were conducted by all departments in the first term
18.	To start activity along with NSS unit to help Sobati School for multiple disabled students, by selling their products.	22000 Rakhis prepared by Sobati children were sold by our NSS volunteers.
19.	To conduct workshops on i. Disaster management ii. Memory techniques iii. Cyber safety awareness- iv. Cancer awareness- v. Smart Investment- vi. Gandhi sanskar	Workshops were conducted i. Disaster management on 11 th 12 th oct ii. Memory techniques 3 Sept iii. Cyber safety awareness- 5 th Sept ,7 th Sept iv. Cancer awareness- 11 th Dec 2013 v. Smart Investment-16 th Aug 2013 vi. Gandhi sanskar- 10 th Oct 2013

20.	To conduct lectures of eminent persons through departmental clubs	All the departments have conducted programmes as per schedule given in academic calendar.
21.	Through WDC lectures on i. Diet and health ii. Woman empowerment.	Through WDC lectures were conducted i. Diet and health on ii. Woman empowerment on
22.	Certificate courses on Yoga.	During the year four courses were conducted. In all
23.	Activities through DLLE on entrepreneur skills.	Earthen pot painting was done by students and pot are sold almost 70 pots are sold of various sizes. Other activities on skill developments were conducted.
24.	To conduct various competitions through Literary associations	Poetry and story writing competition - 10 th Aug 2013 Essay and Story writing on 4 th Sept 2013 Debate & Elocution competition on 5 th Sept 2013
25.	To have annual Sport day in last week of Dec.	Organized Annual Sports Day on 21 st December 2013
26.	To conduct Annual cultural day	Annual Cultural programme on 23 rd & 24 th December 2013
27.	To initiate additional measures to inculcate research aptitude among students along with personality development.	Research Scholar programme started in the month of April 2014.
28.	To celebrate more days through Friends of Library	Book display/poster display were arranged <ul style="list-style-type: none"> • Mahatma Gandhi on 30th Jan 2014 • Savitribai Phule Jayanti, 8th Jan 2014 • Swami Vivekananda Jayanti 11th Jan 2014 • National Science Day 28 Feb 2014 • World Kidney Day - 13 March 2014 • World Sparrow Day - 20 Mar 2014 • World Water Day 21st March 2014 • World Meteorological Day 23th March 2014
29.	To celebrate various Bhasha days like Marathi day, Hindi day, Sanskrit Day	Days were celebrated - Hindi day on 14 th Sept 2013, Sanskrit Day on 9 th Oct 2013 and Marathi Day on -28 th Feb. 2014
30.	To develop web site by assigning work to IT students	Our T.Y. B.Sc. IT students have developed our web site and it is activated from 5 th Sept 2014
31.	To collect feedback data from students and its analysis.	Online feedback data from students was collected and its analysis was done and measures are taken for improvement.
32.	To strength the activity of College School complex.	School children visited our college on 10 th Feb 2014
33.	Publication of the magazine Sanyuja	Magazine was published on 11 th Feb 2014

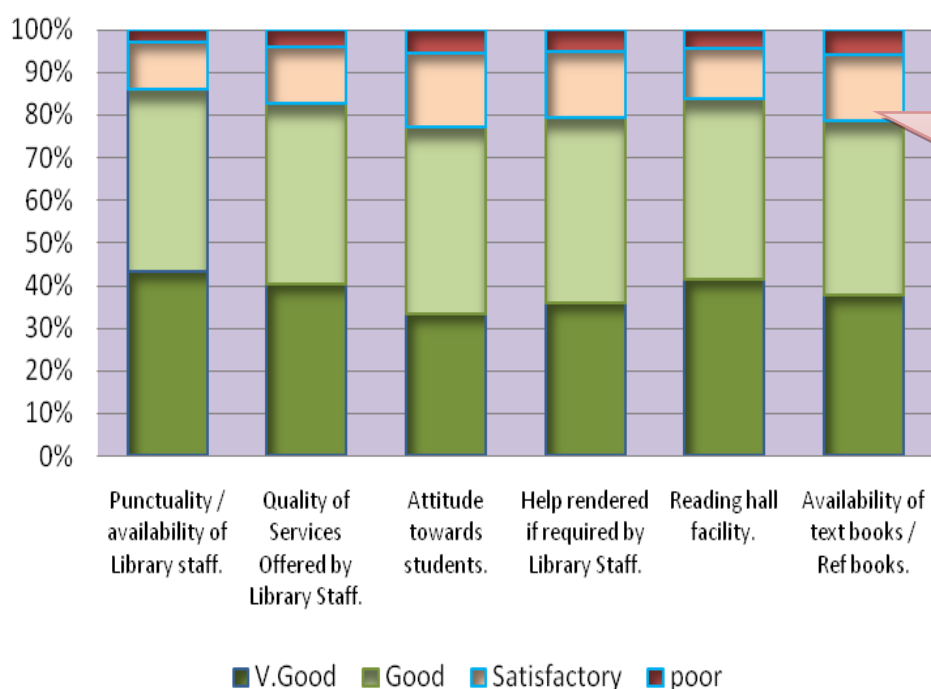
34.	Publication of e-journal J-BNB	e-journal J-BNB was published on 11 th Feb 2014
35.	To arrange Health check up camp for staff.	Health check up camp in collaboration with Fortis hospital was conducted on 1 st March 2014.
36.	To arrange lecture for all staff regarding health awareness	Lecture on Healthy Living by Dr. Pratibha on 1 st March 2014.
37.	To arrange Alumni meet	Anubandha Meet organised by Alumni Association on January 11, 2014
38.	To apply for approval from University to start New courses	<p>Application was submitted to start new courses and got permission</p> <ul style="list-style-type: none"> i. M. Sc. Biodiversity conservation and Management, ii. B. Sc. Inter disciplinary, iii. B.Sc Human sciences, iv. B. Sc. With NCC as option for FC <p>These courses have started from academic year 2014-15.</p>

Annexure-iii

Analysis of the Feedback of UG teachers taken from the students 2013-14

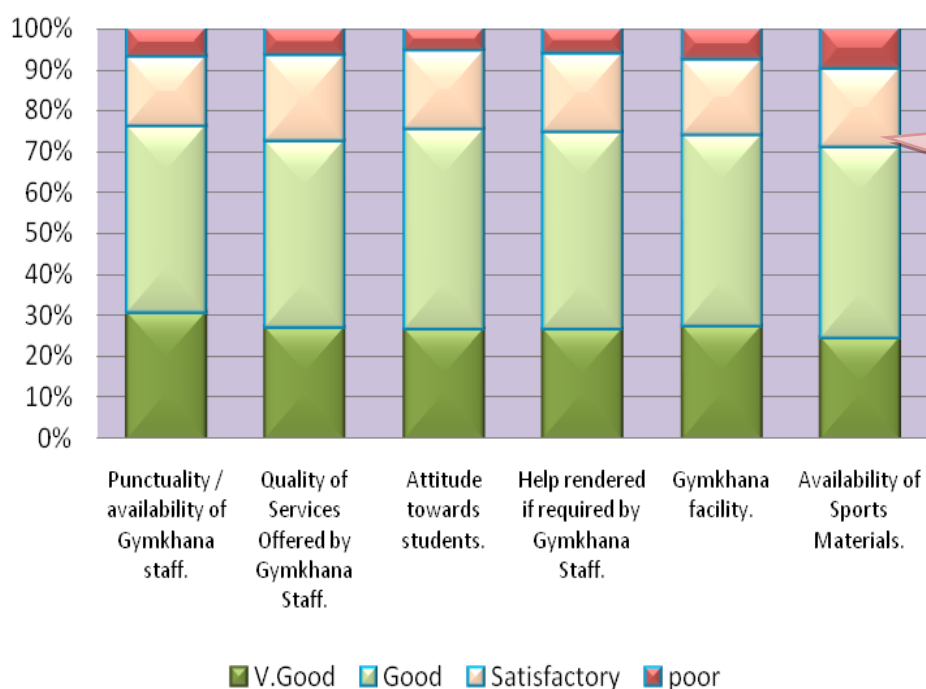


Feedback about Library services

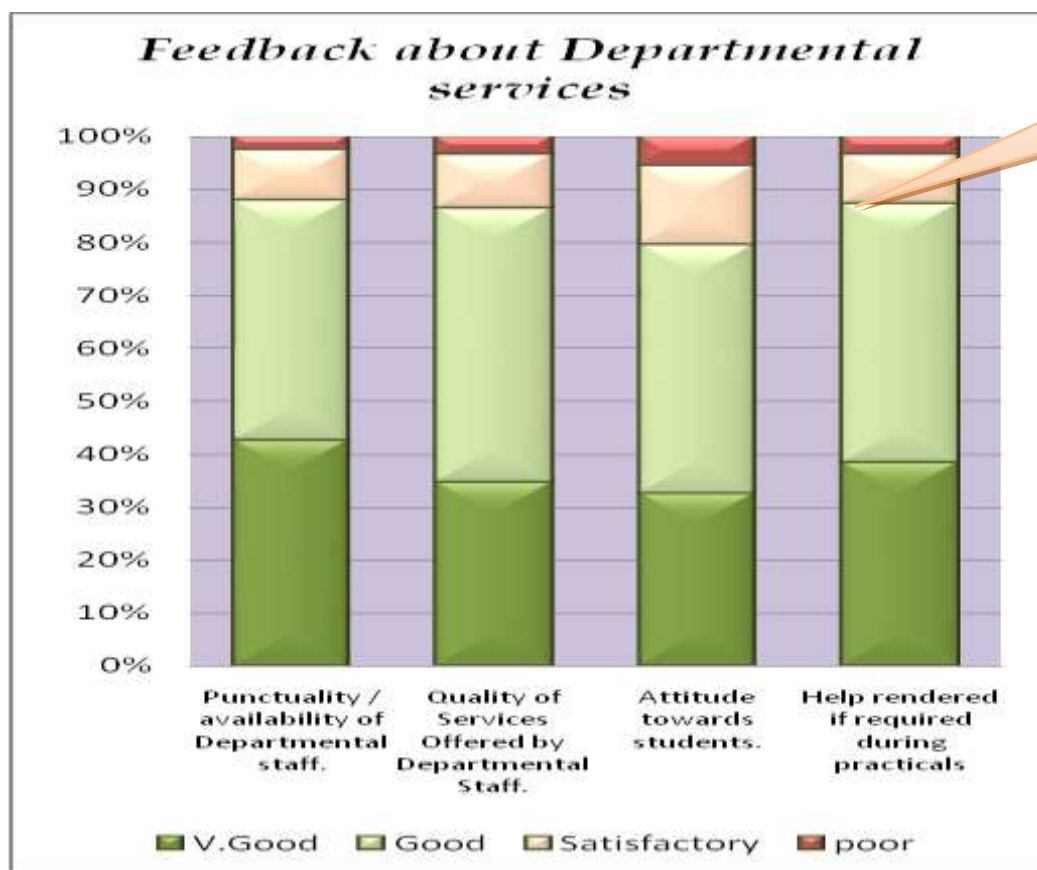


More than 80% students say that services are good in all respects

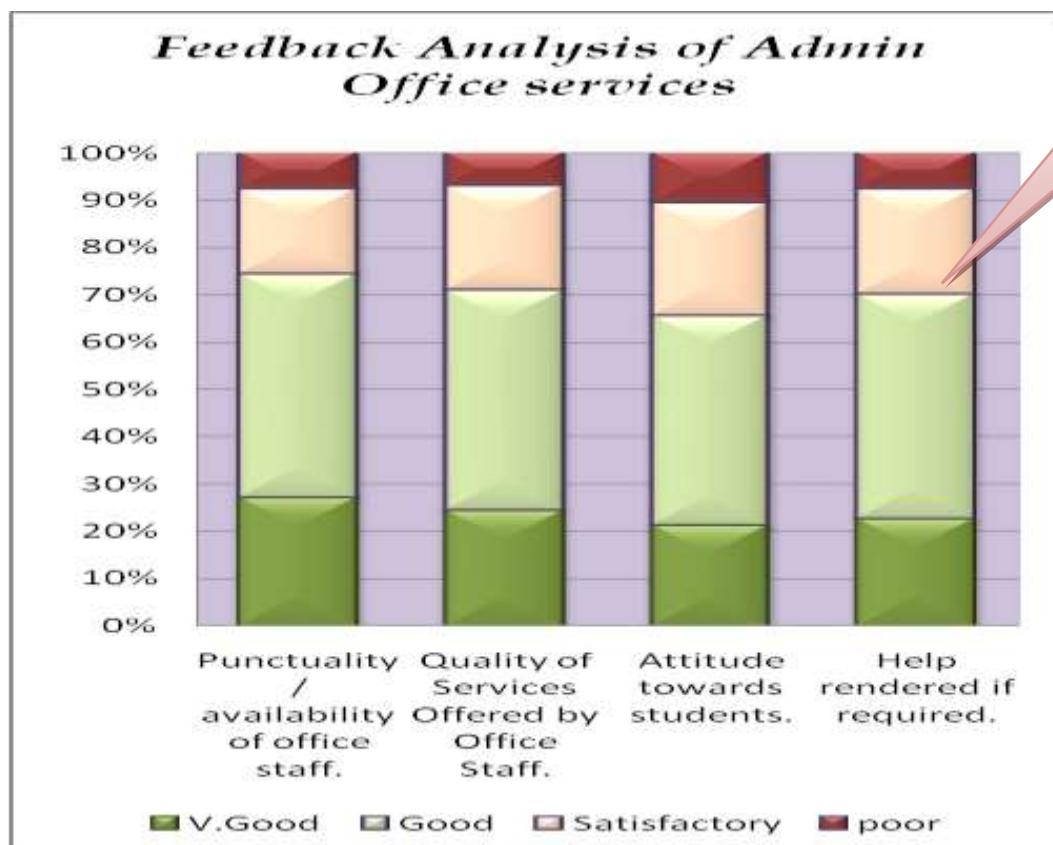
Feedback analysis of Gymkhana



More than 70% students say that services are good in all respects



More than 85 % are satisfied with Departmental services



Nearly 70 % of students are happy with Admin service.

Annexure iv- a

Best Practice

Title: :Annual organization of National conferences with two preparatory workshops

Context:

‘Quality education’ is a key to development and the same in science should lead to generation of knowledgeable, skilled work force who can contribute positively to the technological development of the country.

In India, at undergraduate level, limited knowledge is generally acquired by the students through conventional class room teaching, practicals conducted in laboratories, and with the library reference books. With a vision of providing Quality education in science, Inculcation of scientific temper and spirit of enquiry in students becomes prime focus of the institute. Hence, initiative was taken a decade ago, to conduct National level conferences with two pre conference preparative workshops.

Goal:

To give students an early exposure

To make them familiar with the concepts of scientific data generation, analysis and presentation

To update and upgrade the knowledge in their respective fields

To facilitate the interaction between academia and industry

The practice:

The college has been organizing various national level conferences with a belief that the best and latest academic research would reach the students at undergraduate level. Since 2002, every year one department undertakes the organization of conference on a recent topic in the respective field. The conference enrolment and participation is open for all the students and teachers of the college and also for outsiders. Contributions are also invited from other colleges, universities, innovators, professionals from industries, researchers etc. This provides much required platform for open discussions among the industry and academia.

The announcement of every conference is done one year prior and the events related to the conferences are included in the academic calendar of the college. This helps all interested people plan their activities and help them span all the possibilities of their contribution in the actual conference. The announcement of the conference and related events are also uploaded on college web site. The planned schedule is meticulously followed.

In order to bring the students on the level of knowledge at which they can grasp the concepts and ideas delivered by senior scientists during the actual conference, two preparatory workshops are conducted prior to every conference. These are planned with a gap of approximately 3 months. These workshops are focused on making students aware about basics of research hypothesis, paper and poster presentation. This facilitates the development of students' organizational and oral communication skills and help boost their self-confidence.

These conferences are playing a major role of motivating students as well as faculty to engage more and more in research. And it is proving professionally rewarding experience for the teachers.

Teachers are taking up mini research projects and are giving opportunity for group of students to work on the experiments. The data generated through this is presented during the conference either by students or by guiding faculty.

The certificate of participation and contribution is provided to all students as well as faculty members. The presentations of full paper are published in conference proceedings that are having ISSN numbers. All the proceedings are uploaded on college website making them available for online referencing.

The many benefits of this innovative teaching aid include helping learners improve comprehensive skills, conceptual understanding, and relieving anxiety or boredom by presenting information in a new and exciting way.

Obstacles faced/Problems encountered:

Limited Time and Funds available

Limited motivation and willingness among the students to take interest in the opportunities provided by the college at early stage.

Impact of Practice / Evidence of Success:

- The students who are pursuing higher studies are well versed with research scenario, research methodology and format of publications.
- Conferences are serving as good networking platform for the participants and has helped students to make informed decision about the career.
- Through these conferences we are successful in encouraging open and honest dialogue among the armature researchers, guiding scientists, and industry professionals.
- In spite of time constraints 25 faculties and 35 students have presented papers and every year nearly 20 faculties and 150 students attend in the in-house conferences.

Resources required:

Uninterrupted efforts by faculty

Motivated research minds

Contact Details

Name of the Principal: Dr.(Ms) M.K. Pejaver

Name of the Institution: VPM's B.N. Bandodkar college of Science

City: Thane

Pin Code: 400601

Accredited Status: Reaccredited A grade

Work Phone : 022-25337672

Fax: 022-25337672

Website: www.vpmthane.org

E-mail : prinpnb@vpmthane.org

Annexure iv- b

Best Practice

Title : Initiatives for improving environment consciousness

Context:

Environment degradation and amelioration are of central concern. Delirious effects of uncontrolled human activities on nature are evident. Demographic variables, gender and level of parental education have major influence on extent of environmental concern and behaviour. Hence, the diverse student backgrounds detect the prioritization of environmental education in college environment. Education is critical for promoting sustainable development and improving the capacity of the people to address environment and development issues.

Achieving environmental and ethical awareness, values and attitudes, skills and behavior consistent with sustainable development ensure effective public participation in decision-making

Goal:

- To promote environmental awareness among the youth – the next generation society;
- To use different media including films, audio, visual and print, seminars, workshops, etc. for spreading messages concerning environment and awareness; and
- To mobilize students participation for preservation and conservation of environment.

The practice:

B. N. Bandodkar College of Science is a premier Institution that believes in holistic development of its students and uninterrupted efforts are made to mold students into rational thinkers, and socially aware citizens.

The well maintained green campus of the college itself demonstrates environmental consciousness inculcated. The flora and fauna at the college campus has been well appreciated. The college has built bio-compost bins and the segregated waste is routinely treated to generate valuable compost.

The college is consciously making efforts to make genex aware about numerous facts about the environment and related issues. Through, National Social Service (NSS) tie ups are generated with NGOs like Hariyali, and students' participation is ensured through the guidance of teacher volunteers for tree plantation activities. Interactions with people from these NGOs are motivating for students to engage themselves more and more in such activities that will be beneficial for the entire society.

NSS committee is also working closely with Thane Municipal Corporation to create awareness and team student volunteers conducted 'save lake' drive at the time of Ganesh immersion.

The surveillance is key to track the activities. Through NSS the water and energy audits are conducted by the team. All the instruments especially refrigerators, Air coolers are maintained by trained professionals.

The conference planned in the year 2013-14 was on the theme national conference on biodiversity: status and challenges that made students aware about the unexplored field of environmental sciences and the opportunities of research in the same.

The college is making efforts to restrict use of papers. The general notices are communicated using electronic media. The library automation, permanent registration number system implementation has ensured limited paper use.

With the concept of green chemistry being practiced no hazardous waste is generated.

The practice of greeting Guests with sapling is been meticulously followed during college events.

Department of environment sciences undertakes various projects that would motivate students to work on local environmental issues. The college has planned to conduct the workshop on solid waste management and a series of sessions on Best out of waste.

Impact of Practice / Evidence of Success:

1. Environmental awareness among youths/students is been created and efforts are made to reinforce responsible behavior in them that supports a cleaner living environment, sustainable resources, good public health.
2. By activating and acquainting the students with their natural environment with various methods to sustain it significant empowerment of the environmental capacity of youths have been
3. Through NSS students are working as a team and that has helped us create environmental leaders who would forward their knowledge and behavior to others in their local society.
4. Success was seen in terms of development of environmental skills of youths by imparting them with basic knowledge and experiences needed to support environmental conservation and sustainable resources.

Obstacles faced/Problems encountered:

Limited time available for students 'on field' for such activities.

Limited sustained manpower

Resources required:

Trained professionals for guiding the students

Funds to take up more projects on local environmental issues

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