



Vidya Prasarak Mandal's

B.N.BANDODKAR COLLEGE OF SCIENCE, THANE

NAAC Reaccredited 'A' Third Cycle

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

FIST 'O' Level Grant, 2012

DBT Star College Scheme, 2015-16

College for Potential Excellence, 2016-17

Annual Quality Assurance Report (AQAR)

For the Year 2016-17



Vidya Prasarak Mandal's

Tel. No. : 022-2533 6507
Fax : 022-2533 7672

B. N. BANDODKAR COLLEGE OF SCIENCE

'Jnandweep' Chendani, Thane - 400 601.
NAAC Reaccredited 'A' Grade
Best College Award (University of Mumbai)

Selected
FIST O Level
DBT Star College Scheme
College for Potential Excellence

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

Website : <http://www.vpmthane.org>
Email : prinbnb@vpmthane.org
bnb@vpmthane.org

Principal
Reader, Head
Dept. of Zoology

Ref. No. BSC / 2150

Date :
Date: 26/09/2017

To,

The Director,

National Assessment and Accreditation Council,

Bangalore.

Subject: Submission of AQAR for the year 2016-17 by email.

Sir,

We are enclosing herewith AQAR for the year 2016-17 with track ID MHCOGN 10460

Kindly acknowledge.

Thanking you.

Yours Truly,

Principal,

VPM's B. N. Bandodkar College of Science,
Thane, Maharashtra.



INDEX

Sr.No.	Description	Page No.
	Cover Page	i
	Covering letter	ii
	Index	iii
Part – A		
1.	Details of the Institution	1-3
2.	IQAC Composition and Activities	4-5
Part – B		
3.	Criterion – I: Curricular Aspects	6
4.	Criterion – II: Teaching, Learning and Evaluation	7-10
5.	Criterion – III: Research, Consultancy and Extension	11-14
6.	Criterion – IV: Infrastructure and Learning Resources	15-16
7.	Criterion – V: Student Support and Progression	17-21
8.	Criterion – VI: Governance, Leadership and Management	22-26
9.	Criterion – VII: Innovations and Best Practices	27-30
Annexures		
10.	Copy of Academic calendar Annexure i	Page i-iii
11.	Action Plan Report Annexure ii	Page iv-xiv
12.	Feedback Analysis Annexure iii	Page xv-xx
13.	Best Practice-1 Annexure iv-a	Page xxi
14.	Best Practice-2 Annexure iv-b	Page xxii -xxiii

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 Jnanadweepa, 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 022-25336507
- Name of the Head of the Institution Dr. (Mrs) M.K. Pejaver
- Tel. No. with STD Code 022-25401188
- Mobile 9004690471
- Name of the IQAC Co-ordinator Dr.(Mrs) A.S.Goswami-Giri
- Mobile 09967899417
- IQAC e-mail address asgoswamigiri@vpmthane.org ; anitagoswamigiri@gmail.com
- 1.3** NAAC Track ID MH CO GN 10460
- 1.4** NAAC Executive Committee EC/SC/10/A&A/5.3 dated 15th November 2015
- No. & Date**
- 1.5** Website address <http://www.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
3	3 rd Cycle	A	3.21	2015	14 th November 2020

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

1.8 AQAR for the year 2016-17

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

AQAR-2015-16 dated 03.09.2016

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 (eg. AICTE, BCI, MCI, PCI, NCI) Yes ☐ No ☒

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 (for the Colleges) University of Mumbai

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 C-CPE

DST Star Scheme UGC-CE

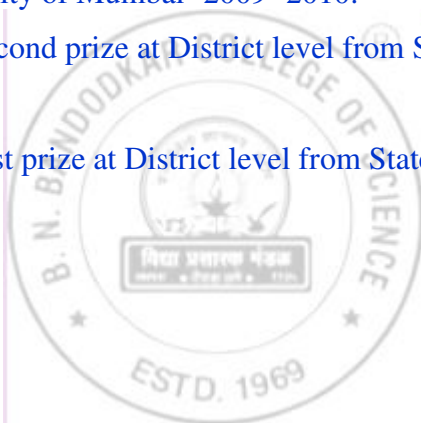
UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes

UGC-COP Programmes

Any other (*Specify*)

1. RBNQA commendation Certificate- 2014
2. Best College University of Mumbai -2009- 2010.
3. Jagar Janivancha- Second prize at District level from State Government of Maharashtra 2012-13.
4. 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	12
2.11	No. of meetings with various stakeholders :	02
2.12	Has IQAC received any funding from UGC during the year? If yes, mention the amount	No

2.13 Seminars and Conferences (only quality related)**(i)** No. of Seminars/Conferences/ Workshops/Symposia organized by the IQACTotal Nos. International National State Institution Level ☒**(ii)** Themes : Work shop on -**i)** Role of IQAC and Moral Responsibility of Staff members**ii)** New API/CAS system, Documentation Record and PBAS-API.

2.14 Significant Activities and contributions made by IQAC:

i) Modified format for examination bill Remuneration.

ii) Designed new Feedback form for parents.

iii) Updated College prospectus.

I. Workshops and Seminars

i) Workshop on Use of computers to maintain data for Laboratory assistants.

II. Strengthening Data collection

i) Orientation of Departmental non teaching staff.

ii) Collection of data to calculate student's satisfaction from T.Y. students and its analysis.

iii) Orientation of Office Staff.

III. Initiation of various programmes

i) Continuous Strengthening of the Research activity.

ii) New additions in value added and skill development courses/workshops.

iii) Regular Life skills sessions for T.Y. B.Sc. Students by the Counsellor.

iv) Research Scholar programme for UG students continued.

v) Conducting various activities under "Jagar Janivancha" campaign started by Govt. of Maharashtra.

vi) Orientation for staff and students regarding examination rules and regulations for new recruits.

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.

i) Copy of Academic Calendar for year 2016-17 is given in Annexure –i

ii) 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

i) To conduct workshops on MOOC and use it in teaching.

ii) To strengthen research activity and increase the no of publications in reputed journals.

iii) To improve Mathematics and physics results.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes -2016-17

Level of Programme	Number of existing programmes		Number of Programmes added	Number of self-Financing Programmes	Number of Value added/ career Oriented Programmes
Ph. D.	5		--	2	--
P.G.	11		--	6	--
U.G.	13		--	5	--
Interdisciplinary				02	
P.G. Diploma	--		--	--	
Certificate	--		--	--	22
Others YCMOU	Degree	Certificate	--	--	--
	02	01			
Total	32		--	15	22

Innovative	Optional subject: NCC introduced as a option for Foundation Course 2016-17 for S.Y.B.Sc
------------	---

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options Following the University of Mumbai norms.

(ii) Pattern of programmes:

Pattern	Number of programmes	
Semester	13 UG and 6 PG Univ.	
Trimester	--	
Annual	Degree	Certificate
	02	01

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 – Implemented as per University guideline for F.Y.B.Sc .

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	35	12+1	19	In process.	1
Unaided	3	03	-	-	-

2.2 No. of Permanent faculty with Ph.D.: 16**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	-	12	-	-	-	2	-	-	-	14
Unaided	54	-	-	-	-	-	-	-	54	-

2.4 No. of Guest and Visiting faculty and Temporary faculty – 38

Visiting faculty : 11 for PG courses.

Temporary faculty Aided courses : 35

Temporary faculty Un-Aided courses : 19

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	42	20	06
Presented papers	14	09	06
Resource Persons	01	01	Nil

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

- i) Use of ICT
- ii) Conducting seminars/group discussions/question-answer sessions for students
- iii) Showing subject related movies.
- iv) Uploading study material/ Question banks/question papers on Digital repository
- v) Lecture series by young scientists
- vi) Conducting science festivals/exhibitions/poster presentation
- vii) Peer guidance for competitive examinations
- viii) Use of Origami and Experimental Demo in teaching
- ix) Use of natural surroundings in the campus for lectures and practicals

2.7 Total No. of actual teaching days during this academic year: 187

- 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
- One staff member is member of Board of Studies
 - Three staff members are member of syllabus committee
- 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: **B.Sc.**

Grade	O	A	B	C	D	E	F	Total Pass	Total Appeared	Pending Result	Absent	Copy Case	Passing Percentage
Biochem	1	4	6	0	0	0	0	11	11	-	-	-	100.00
Biotech	3	18	11	11	0	0	5	43	49	1	-	-	87.76
Botany	2	9	2	0	0	0	2	13	16	1	-	-	81.25
Chemistry	5	44	25	9	0	0	11	83	102	8	-	-	81.37
Computer Sci.	0	7	9	5	3	1	11	25	38	2	-	-	65.79
Human Science	0	3	1	0	0	0	0	4	4	-	-	-	100.00
Maths	4	11	1	0	0	0	25	16	41	-	-	-	39.02
Micro Biology	2	7	4	0	1	0	5	14	20	1	-	-	70.00
Physics	0	6	13	5	2	0	25	26	52	-	-	1	50.00
Stats	6	16	9	4	4	0	4	39	43	-	-	-	90.70
Zoology	3	18	9	3	0	0	1	33	36	2	-	-	91.67
IT	0	33	29	18	5	0	30	85	115	-	1	-	73.91
Total	26	176	119	55	15	1	119	392	527	15	1	1	74.38

Note *- Percentage may vary depending on pending result.

Title of the Programme: M.Sc.

Grade	O	A	B	C	D	E	F	Total Pass	Total Appeared	Passing Percentage
Chemistry	2	3	4	0	0	0	0	9	9	100.00
Environmental Science	0	13	2	0	0	0	2	15	18	83.33
Physics	0	6	10	1	0	0	2	17	19	89.47
IT	0	4	7	6	0	0	3	17	20	85.00
Total	2	26	23	7	0	0	7	58	66	87.88

Title of the Programme: YCMOU Courses

Title of the Programme	Total no. of students appeared	Total Pass %
B.L.I. Sc.	29	86.20
M.L.I. Sc.	25	88

Note *-Diploma in Mass communication and Journalism course was not conducted as per UGC norms.

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

The IQAC monitoring of the teaching learning process is done through internal academic audit

- i) The review of teaching learning plan
- ii) Feedback from students and parents and its' analysis
- iii) Departmental reports
- iv) API and Self Appraisal Forms
- v) Attendance committee reports
- vi) Internal audit on the basis of departmental reports, feedback analysis
- vii) Analysis report is discussed with Principal and recommendations for improvement are given by Principal and IQAC coordinator to the respective Heads/In charge.
- viii) SWOC analysis

2.13 Initiatives undertaken towards faculty development:

Faculty / Staff Development Programmes		Number of faculty benefitted
Refresher courses		Nil
UGC – Faculty Improvement Programme		Nil
HRD programmes : Research Methodology Course for teaching staff		23
Orientation programmes		Nil
Faculty exchange programme		Nil
Staff training conducted by the university		Nil
Staff training conducted by other institutions		Nil
Summer / Winter schools, Workshops, etc.		
1.	One day workshop by IQAC on “Role of IQAC and moral responsibility of staff” on 6 th April, 2017	11
2.	One day workshop by Research Committee on “Future Research Challenges – Department wise Scenario” on 7 th April 2017	40
3.	One day workshop by IQAC on “Documentation record and PBAS-API” on 8 th April 2017	30
Others		Nil

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	15	04	-	14
Technical Staff	30	19	-	30

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

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

- i) Dynamic and active Research Committee
- ii) Initiated yearly organization of International conference/Seminar /workshops.
- iii) Inspiring the faculty members and students to participate/present paper at National and International level.
- iv) Promote faculty to apply Minor and Major Research Projects.
- v) Promote faculty for consultancy.
- vi) Implement the idea of research in students through Mini research project.
- vii) Procured opportunities to staff and students for publication of online journal J-BNB
- viii) Motivate UG students to participate in Research Scholar programme, Science Square Projects and DBT star Project.
- ix) Creation of research aptitude.
- x) Promotes Patent publication.
- xi) Conducted workshop for teachers on, "Future research challenges and department wise scenario.
- xii) Conducted workshop for teachers on 'Research Methodology'.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	01	Nil	-
Outlay in Rs. Lakhs	21,56300	2,93000	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	-	-	03
Outlay in Rs. Lakhs	55000/-	-	-	-

3.4 Details on research publications.

	International	National	Others
Peer Review Journals	09	07	-
Non-Peer Review Journals	Nil	Nil	-
e-Journals	-	12	-
Conference proceedings	18	-	-

3.5 Details on Impact factor of publications.

Range	Average	h-index	Nos. in SCOPUS
1.19 to 5.719	3.45	2	1

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 in lacks	Received in lacks
Major projects	3	UGC	21,56,300/-	21,56,300
Minor Projects	1	University of Mumbai	0.55,000/-	55,000/-
DBT STAR	1	DBT	2,00000/-	-
CPE		DST	1,00,0000/-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	1	Mangrove Foundation	2,93,000/-	2,93,000/-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	01	DBT STAR	10000/-	10000
Any other(Specify)	01	Science Square Project	As per requirement	-
	01	Research Scholar Program	As per requirement	-
Total			1,27,14300	27,14,300

3.7 No. of books published i) With ISBN No. **04**

ii) Chapters in Edited Books - Nil

iii) Without ISBN No. Nil

3.8 No. of University Departments receiving funds from

UGC-SAP

CAS

DST-FIST

DPE

DBT Scheme/funds

N.A.

3.9 For colleges

Autonomy

CPE ☒

DBT Star Scheme ☒

INSPIRE

☐

DST-FIST

Any Other (specify

☐

3.10 Revenue generated through consultancy : Rs.3400/-

3.11 No. of Conferences organized by the Institution

Level	International	National	State	University
Number	01	Nil	Nil	-
Sponsoring agencies	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons: =14

As expert : 05 As Chairperson: 05 As resource person : 04

3.13 No. of collaborations

International National Any other

3.14 No. of linkages created during this year - 14**3.15 Total budget for research for current year in lakhs :**

From Funding agency : University of Mumbai : 0.55

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

Total

3.16 No. of patents received this year :

Type of Patent		Number
National	Applied	Nil
	Granted	01
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
23	4	10	07	02	-	-

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 : 03****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

COLLEGE : 1770

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

University level State level National level International level

College level : 12

3.25 No. of Extension activities organized :

University forum College forum

NCC NSS DLLE DBT star WDC

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

- i) Environment awareness camps
- ii) Organised annually Medical camps for staff
- iii) Women empowerment programmes were arranged through WDC.
- iv) Programme was arranged on Drawing and painting arts (Warly) through DLLE.
- v) Workshops on Life Skills conducted for students through Counselling Cell.
- vi) Tree plantations programmes were arranged through NSS and NCC.
- vii) Blood donation camp through NSS/NCC
- viii) Assisted to Sobati- School for blind and mentally challenged children.
- ix) Note Book and Clothes donation camps through NSS for Adivasi School Children
- x) College- School complex laboratory visit for inculcation of research aptitude among school level student in and around Thane city.
- xi) NSS Residential Camp at Mann ashram shala.
- xii) Gender Sensitization and social awareness programmes through Jaagar janivancha
- xiii) Orientations of the woman legal right through WDC and DLLE
- xiv) Various value added workshops conducted through departmental club.
- xv) Public Lectures/Colloquium regularly conducted in keeping with the College's vision and mission of Social Commitment,

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	21	--	--	21
Seminar Halls	02	--	--	02
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.		76	College	171
		21	UGC	
		73	STAR	
Value of the equipment purchased during the year (Rs. in Lakhs)		470491/-	College	1595920/-
		165018/-	UGC	
		960411/-	Star	

4.2 Computerization of administration and library;

- For Library Automation Open Source Koha Software initiated.
- Digital Repository is updated frequently.
- Continued the practice of Communication via webmail and Social media.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value in Rs.	No.	Value in Rs.	No.	Value in Rs.
Text Books	5739	514651	298	37322	6037	551973
Reference Books	22012	7350283	980	677054	22992	8064659
e-Books	8100 + from N-List	Paid By Mgmt	-	-	8100+ from N-List	Paid By Mgmt
Journals	42	55300	-	-	42	55300
e-Journals	6000+	Paid By Mgmt			6000+	Paid By Mgmt
Digital Database	4	Paid By Mgmt			4	Paid By Mgmt
CD & Video	582		02	-	584	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others laptops
Existing	212	06	2mbps	All pcs in all departments, Library, Admin office	07	01	12	12
Added	20		2mbps	-		-	-	01
Total	232	06	2 lines of 2mbps		07	01	13	13

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

- i) Workshop on Use of Chemdraw Ultra Software for staff and students
- ii) Workshop on 3D Printing Technology for staff and students
- iii) Orientation lectures "How to access online Databases" for staff and students
- iv) Certificate course in bioinformatics for students
- v) Certificate Course in Basics of R Software for students.

4.6 Amount spent on maintenance in lakhs

- i) ICT : Rs 1,28,205/-
- ii) Campus Infrastructure and facilities: Rs. 25,30,973/-
- iii) Equipments : Rs.4,95,384/-
- iv) Others : Building Rent : 8,16,252/-

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

- i) Orientation lecture by Principal for all the students ,
- ii) Orientation session by examination committee to newly recruited staff members, for about rules and regulations of examinations and paper assessment.
- iii) Orientation by librarian for facilities available for the students,
- iv) Orientation to library staff, administrative staff, departmental staff.
- v) Orientation to all committee heads, coordinators.
- vi) Regular Council of students.
- vii) Implementation of Mentor system at classroom level.
- viii) Lecture series on environmental issues.
- ix) Various new activities like Rakshabandhan, skill development were introduced.

5.2 Efforts made by the institution for tracking the progression

- i) Audit of individual departments was conducted for the academic and infrastructural growth.
- ii) Audit of NSS, NCC, DLLE, Cultural, WDC, Gymkhana committees were carried out.
- iii) Audit of Examination, Research, Science square and School college complex committee were carried out.
- iv) Audit of Administration in the office was also carried out.
- v) Meetings with HODs and in charge of departments were conducted frequently.
- vi) Meetings with Committee Co-coordinators were conducted frequently.
- vii) Data was collected from Third Year B.Sc students to calculate “Student Satisfaction Index”; the data was further statistically analysed.
- viii) Parent Teacher meeting conducted in each individual department per semester.

5.3 (a) Total Number of students

UG	PG	Ph. D.	PG Diploma	YCMOU
1668	144	32	103	62

(b) No. of students outside the state 05(c) No. of international students NI

Men

No	%
752	41.50

Women

No	%
1060	58.50

Enrolment under University of Mumbai

Year	General	SC	ST	DT/NT/VJ	OBC/SBC	Physically Challenged	Total
2015-2016	980	201	51	89	416	-	1737
2016-2017	795	195	69	105	648	-	1812

Demand ratio (no. of applications/no. of seats)

Drop out ratio

F.Y. B.Sc. (aided) : 2.60 F.Y. B.Sc. (unaided) : 4.33

F.Y. I.T. : 10.4

< 0.5**5.4 Details of student support mechanism for coaching for competitive examinations (If any)**

- i) Coaching for all India level (subject related) competitive examinations was given by Biotechnology and Microbiology departments.
- ii) Chemistry department organised workshop on Preparation for NET/SET examinations.
- iii) Facility to subscribe for competitive examinations magazines like CSR, Spardha Pariksha.
- iv) Provided book facility for different examinations like NET/ SET/ GATE/ GMAT/ CSAT.
- v) Conducted preparatory sessions for competitive examinations.

No. of students beneficiaries: 156**5.5 No. of students qualified in these examinations**

NET	SET/SLET	GATE	CAT
IAS/IPS etc --	State PSC --	UPSC --	Others 10

5.6 Details of student counselling and career guidance

The primary problems for which students came for counselling during year 2016-17 were- career guidance, study related difficulties, difficulty in managing anger, inability to manage time effectively, barriers in communication and family issues. Along with the students, teaching and non teaching staff also availed the services.

Total 126 cases were accounted in this academic year which includes 42 follow up cases of last academic year. Parents of the students were called when their support was needed.

- The cases in which parental support was needed the parents were called and were informed 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:

126

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
04	268	78	85

5.8 Details of gender sensitization programmes.

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

Gender sensitization programs focus on creating gender sensitivity among people by raising awareness about gender equality concerns. This could be achieved by conducting various sensitization workshop, programs etc.

Sr. No.	Name of the Activity	Guest & Designation	Date & Duration	Purpose of Visit	Number of Participants
1.	Women Health and Skin care	Mrs.Kiran Shah and Ms. Namita Deviga (Beauty Therapist)	20.1.2017 11.00 to 1.30 pm, Venue: Patanjali Auditorium	Talk and demo on skin care	Teaching and Non-teaching staff-12 Students-107
2.	Seminar on PCOS	Dr. Shalaka Bahadkar, Gynecologist.	24.9.2016 10.15 to 12.15 pm, Venue: Patanjali Auditorium	Talk on Health awareness in girl students and PCOS	Teaching and Non-teaching staff-11 Students-144
3.	Universal Brotherhood Day	Mrs. Seema Nitsure and Mrs. Surabhi Joshi (Members of Swami Vivekananda Kendra, Thane)	16.9.2016 10.00 am to 11.30 am, Venue: Patanjali Auditorium	To conduct workshop on "Universal Brotherhood Day"	Teaching staff-7 Students-85
4.	Health Issues of women	Dr. Arvinda Rajan, Senior Research Officer, TIFR-Colaba Mumbai	09.2.2017 11.15 to 1.15 pm, Venue: Seminar Room	Awareness about women health and cancer	Teachers-12
5.	Women and to be a woman	Dr. Shakuntala Singh, Principal, VPM's Joshi-Bedekar College of Arts and Commerce.	23.2.2017 11.30 to 1.00pm, Venue: Patanjali Auditorium	To deliver a talk on the topic "Women and to be a woman"	Teaching and Non-teaching staff-23 Students-37
6.	Dignity and Obscene (Shil-Ashleel)	Dr.Madhuri Pejaver, Principal, VPM's B.N.Bandodkar College of Science, Thane	08 march 2017 Venue: Patanjali Auditorium	Discussion on the topic Sheel-Ashleel	Teaching , Non teaching and office staff-25

5.9 Students Activities

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

State/ University level **137** National level **02** International level **01**

No. of students participated in cultural events

State/ University level

60

National level

-

International level

--

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

Sports : State/University level**01**

National level

02

International level

01**Cultural:** State/University level**-**

National level

-

International level

-**5.10 Scholarships and Financial Support**

	Number of students	Amount in Rs.
Financial support from institution		302251
Financial support from government	269	39,83,537
Financial support from other sources	-	-
Number of students who received International/ National recognitions	02 (Microbiology Dept)	300 Euro (Rs. 22803)

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:- 12**

Tree Plantation	Selling flags made by blind students.
Blood Donation Drive.	Volunteering in Andhashraddha Nirmulan rally
Selling Rakhis to support mentally and physically challenged	Organising program on the occasion of Gandhi Jayanti.
Blood Donors Brigade "Red Brigade"	Volunteering to help in Ganapati Visarjan from the locality.
'Energy Audit and Conservation'.	Celebrating Indian Constitution day.
Collection & distribution of clothes, school stationery and grocery to students of Maan Ashramshala.	Celebrating Yuva Day.

5.13 Major grievances of students (if any) redressed : None

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:

- i) Arranged workshop/ Seminars/Conferences in various subjects.
- ii) Conducted Bridge Courses + Remedial lectures.
- iii) Conduced Enrichment Courses.
- iv) Promoted teachers to participate in various curriculum based programmes /courses.
- v) Conducted certificate courses for the students benefit.
- vi) Management arranged popular lecturers/ talks of Stalwarts/Foreign Scientist for students and faculty.

6.3.2 Teaching and Learning:

- i) Orientation lectures for students on available online databases.
- ii) Monitoring of teaching – learning process through student's feedback.
- iii) Records of tests and feedback properly maintained.
- iv) Ensures proper learning facilities.
- v) Use of ICT technique in teaching
- vi) Digital Repository / web OPAC,
- vii) Free internet facility for all students and staff members.
- viii) Project based learning through Science Square, Research Scholar Programme and DBT Star Scheme for UG students.
- ix) Industrial visit, excursions, project exhibitions, model based teaching, poster presentations.
- x) Data collection based on survey and Statistical analysis.

6.3.3 Examination and Evaluation:

- i) Orientation lecture for new students.
- ii) Orientation for newly recruited staff members about supervision and Evaluation work.

6.3.4 Research and Development

- i) Orientation lectures for teachers on available online databases on our College portal.
- ii) Mini research projects given to interested students.
- iii) Teaching staff members encouraged to undertake research
- iv) Continued Research Scholar Programme
- v) Continued Annual publication College Journal with ISSN name e- J-BNB.
- vi) Promoted faculty to participate in Paper presentations at various conferences by granting them duty leave.
- vii) Encouraged Paper publications in high impact factor journals.
- viii) Encouraged students for writing reports and research papers.
- ix) Organised International Annual conference and two preparatory workshops.
- x) Encouraged students to present their research work in Conferences/Seminars
- xi) Encouraged students to publish their research work in online journal J-BNB
- xii) Guidance given to the students to participate in various International Competitions.
- xiii) Management arranged a course on Research Methodology for teaching Staff.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- i) To promote cashless economy, our management has initiated Debit card as I card for students.
- ii) Provision made for purchase of recent reference books and peer reviewed indexed journals for the students and teachers.
- iii) ICT used efficiently and effectively for the Library automation.
- iv) Provision made for staff and students to get acquainted with library databases.
- v) Addition of study material in digital repository.
- vi) Addition of Basic instruments through DBT Star Scheme.
- vii) Interdepartmental sharing of instruments and facilities.
- viii) Regular maintenance of College Katta, A.C. laboratories, Botanical /Medicinal garden, Butterfly Garden.
- ix) Computers added through Star College Scheme.
- x) VPMs Intercollegiate Library Facility available for staff members.
- xi) Photo copy centre, Canteen, and PCOs facilities provided by management
- xii) Solar energy charging points made available for teachers.
- xiii) Obstacle wall for NCC Cadets.

6.3.6 Human Resource Management

- i) Orientation and Guidance given to newly appointed non-teaching staff.
- ii) Sharing of staff expertise for internal departmental activities.
- iii) Achievement of teaching and non-teaching staff is appreciated.
- iv) According to the capacity, interest and expertise of staffs, Committees are allotted.
- v) Suggestion box is kept and suggestions from all stakeholders are considered for improvement.
- vi) Regular meetings are held with HOD, in-charge and Principal for democratic discussion regarding innovative planning and implementation.
- vii) Assistance extended by departments for various programs and activities.

6.3.7 Faculty and Staff recruitment :

- i) Staff recruitments are as per the rules set by Govt. of Maharashtra and University of Mumbai.
- ii) Temporary staff appointed by management.
- iii) Staff for unaided section is appointed by management.

6.3.8 Industry Interaction / Collaboration:

- i) Eminent personalities from industry interacted with students through the departmental clubs activities.
- ii) Employment cell invites renowned companies for campus placements.
- iii) Collaboration with HOPE, Hariyali, Jidnyasa TERI, SACCON, WWF SREERAM, NASS, IAAB, TMC, ZP etc.

6.3.9 Admission of Students:

- i) Merit based On-line admissions are given to the students as per the rules and regulations governed by the Government of Maharashtra and University of Mumbai.
- ii) Help desk is available for all students during May vacation till the admission process ends.
- iii) Subject wise Flex boards and Flyers were displayed throughout the year.
- iv) Detailed prospectus available on website which gives information regarding different courses, fees structure, cancellation process etc.
- v) For diploma courses the norms laid down by VPM are followed.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Duty leave given to attend seminar/ conferences/ workshops/ • FIP program • 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. • RO water facility available • Medical health camp • Awareness lectures for physical & mental health and wealth • Counseling services
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. • The non-teaching staffs of the chemistry department are provided with gloves and safety goggles. • RO water facility available • Awareness lectures for physical & mental health and wealth • Counseling services
Students	<ul style="list-style-type: none"> • Facility to pay the fees in instalments • Group Insurance, • Book bank facility, • TA/ DA are paid to the students for participation in extracurricular activities. • Earn-Learn scheme for needy students. • Free Yoga classes. • Facility to attend workshops & conferences organized by College. • RO water facility available. • Concessions in travelling. • Well equipped ladies room. • Counseling and mentoring services.

6.5 Total corpus fund Generated fees collection: **Rs 3,37,88,884/-**

Aided sections Rs. 43,52,629/-

Unaided - Rs 2,94,36,255/-

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	.	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 meeting was arranged on 07 April 2017.
- ii) Lectures by few alumni members were planned for guiding present students.

6.12 Activities and support from the Parent – Teacher Association:

- i) To get timely feedback from parents, Open door policies were maintained.
- ii) Regular meetings were planned under mentor system for the students and feedback given to the parents.
- iii) Parents meeting held per semester for TY BSc students.
- iv) 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.
- iv) Workshop on skills and value developments
- v) Workshop on documentation

6.14 Initiatives taken by the institution to make the campus eco-friendly.

- i) Paper shredder.
- ii) Bio-composting for green waste.
- iii) Bio- compost bins are provided to every department .
- iv) Segregation of waste.
- v) Placard on Energy Conservation.
- vi) Tree plantation .
- vii) Vermi- composting for canteen waste.
- viii) Lectures by experts are arranged.
- ix) Vertical Garden, Butterfly Garden.
- x) Identification and naming of the plants of VPM campus.
- xi) Mock-Drill was conducted by Thane police for safety measure in emergency.

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) Lecture series by young scientists.
- ii) Peer guidance for the students regarding competitive exam preparation.
- iii) Plantation activity by dignitaries visiting the College.
- iv) Various lectures arranged through Research Scholar and DBT star Scheme Program for UG students.
- v) Formal feed- back session meeting for constant improvisation in hosting international conference.
- vi) Awareness program on Laboratory safety before practicals.

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

Major actions

- i) Two days International Conference on emerging technologies for sustainable agriculture was organized on 6th 7th January 2017 by department of Biotechnology and Microbiology. Two preconference workshops and a special preconference lecture series were also hosted.
- ii) As intended, a number of certificate courses were organized by various departments.
- iii) Campus interview was organized through Placement cell.
- iv) Environmental awareness lecture series was conducted with 'Hope' and Rotary club of Thane, by department of zoology and environmental science.
- v) E- waste collection drive was successfully organized
- vi) Research methodology course was organized by management for faculty development.
- vii) Projects were undertaken by various department faculty to find the solutions for various environmental problems.
- viii) Activities like Cultural, Sports, Literary association, NSS, NCC, Departmental clubs, WDC, DLLE, Jagar Janivancha were conducted as per schedule.
- ix) Sixth volume of e-JBNB was published.
- x) Department wise planning and execution of activities were analyzed by IQAC at the end of the year.

7.3 Give two Best Practices of the institution.

- i) Late Dr. V. N. Bedekar memorial Colloquium lecture series --**Annexure iv- a**
- ii) E-Waste Collection Drive **Annexure iv b**

7.4 Contribution to environmental awareness / protection.

- i. Students of department of Botany are maintaining exclusive plant nursery
- ii. Initiative has been taken to get the trees planted in the campus by renowned personalities who visit the college.
- iii. Plantation projects have been taken up by NSS students.
- iv. The College regularly organized lectures on environmental issues
- v. Energy Conservation, Efforts for Carbon Neutrality, Hazardous Waste Management are the issues that are taken up to design the research projects
- vi. Conscious efforts are made in conservation of water, energy and available natural recourses.
- vii. E-waste management, old cloths collection drive through environment dept and NSS and NCC.

7.5 Whether environmental audit was conducted? No.**7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)**

STRENGTH	
Resourceful Management and Proactive Principal	Free access to Journals and databases.
Transparent and democratic decision making process	Free yoga classes for staff and students
Experienced and dedicated teaching staff and support staff	Student feedback analyzed and used for improvement in all processes
Cordial relationship among all the stakeholders	Student centric approach- open door policy.
Active IQAC committee	Student welfare and student support schemes
Socially Active teachers working with various NGOs for the betterment of the society.	Research aptitude is inculcated among the ne schools-college students.
Strategic location with good academic infrastructure and ambience	Students are sensitised about the needs of soc and our Goal of achieving the vision and miss is realised.
Best college award from UOM	Optimum utilization of resources
DBT Star Scheme continued in Botany, Chemistry ,Physics and Zoology departments	Representation of faculty members in Board of Studies and syllabus committee contributing to curriculum design
Recipient of 'O' level FIST from DST	Secured and eco-friendly campus.
Recipient of CPE from UGC	Wi-Fi campus and free internet service to all.
Array of courses available.	Canteen and photocopying facility on campus
Teaching aids for ICT enabled teaching	
WEAKNESS	
Limited role permitted in syllabus framing Space constraint	First generation learners, limitations in creati awareness for implementing value added cou
OPPORTUNITIES	

To strengthen Alumni association	To have more activities through WDC.
To strengthen linkages with industries.	To conduct job oriented certificate and diploma courses.
Streamlining collaborations and consultancy	To have more research projects and publications.
To streamline activities of placement cell.	
CHALLENGES	
Students are from vernacular medium.	Generation of resources for up gradation of infrastructure.
Catering to diverse needs of students within a class space constraint	To motivate students to participate in various extracurricular activities.
Keeping pace with the rapid changes in higher education.	Due to Govt. controls teachers recruitment is a big challenge.

8 Plans of institution for next year?

- To strengthen alumni association.
- To conduct workshop on ethical issues in education.
- To conduct Green audit of the campus, to implement measures for energy saving.
- To conduct third E- waste collection drive.
- To host Dr. V. N. Bedekar colloquium lecture series for benefit of Staff and students.
- To host International conference through department of Botany.
- To conduct workshop on Scientific English and communication skill.
- To establish linkages with industry to enhance employment opportunities for students.
- To conduct Orientation, refresher course and short term course programs.
- To conduct workshop to receive grants for Major and Minor research projects through various agencies.
- 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 courses
 - iv. Extra coaching for meritorious students.
 - v. Competitive examination guidance for students
 - vi. Excursions/Industrial visits/ Educational Visits to reputed Institutes.
 - vii. Mini research project activity for students

- viii. Hosting international conference.
- ix. School College complex
- x. Value added courses
- xi. Skill development workshops
- xii. Yoga classes.
- xiii. Publishing e- Journal J-BNB
- xiv. Literary association activities.
- xv. Publishing of magazine- Sanyuja
- xvi. Cultural activities
- xvii. Sports activities.
- xviii. Lectures to empower girls through WDC
- xix. Book exhibitions on special days by Library club- Friends of Library.
- xx. DLLE activities
- xxi. NSS activities –Blood donation, Tree plantation,
- xxii. NCC activities.
- xxiii. Orientation lectures for students by Principal.
- xxiv. Orientation of Newly recruited teaching staff
- xxv. Orientation of Newly recruited Laboratory staff.
- xxvi. Orientation to students regarding Library facilities.
- xxvii. Orientation to students regarding new examination pattern.
- xxviii. Life skill sessions by the Counsellor for the Students.
- xxix. Publication of e- magazine- Sanyuja
- xxx. Mentor System
- xxxi. Career orientated lectures through Placement cell.
- xxxii. Parents meetings.
- xxxiii. Alumni meet

Signature:

Name : Dr. Goswami-Giri Anita S.
Co-ordinator,

Internal Quality Assurance Cell



Signature:

Name : Dr. Pejaver Madhuri K.
Chairperson

Internal Quality Assurance Cell

VPM's B.N. Bandodkar College of Science, Thane (w)-1

V. P.M's B. N. Bandodkar College of Science, Thane

Calendar for Academic year 2016 – 2017 / Saur Shake 1938 - 1939

First Term : (6th June – 25th October 2016)

Second Term : (15th Nov. – 30th April 2017)

	JUNE vaishakh/Jeshtha (Shake1938)					JULY Jeshtha/Ashadh(Shake 1938)					AUGUST Ashadh /Shravan (Shake 1938)					SEPTEMBER Shravan/ Bhadrapad (Shake 1938)				
SUN		5	12	19	26	31	3	10	17	24		7	14	21	28		4	11	18	25
MON		6	13	20	27		4	11	18	25	1	8	15	22	29		5	12	19	26
TUE		7	14	21	28		5	12	19	26	2	9	16	23	30		6	13	20	27
WED	1	8	15	22	29		6	13	20	27	3	10	17	24	31		7	14	21	28
THU	2	9	16	23	30		7	14	21	28	4	11	18	25		1	8	15	22	29
FRI	3	10	17	24		1	8	15	22	29	5	12	19	26		2	9	16	23	30
SAT	4	11	18	25		2	9	16	23	30	6	13	20	27		3	10	17	24	31
	6th June - Degree College reopens ,S.Y.B.Sc, T.Y.B.Sc. lectures begin Principal's inaugural lecture for.,S.Y.& T.Y.B.Sc 15th June Junior college reopens 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 3rd week Principal's inaugural lecture for F.Y.B.Sc. NSS –Activity NCC: 1 st year cadet selection Teaching days - 22					1 st week - (cultural- magazine gymkhana, literary committees student's interviews for secretary IQAC meeting 2 nd week –F.Y.J.C.Lectures begin Principal's inaugural lecture(Jr College 11th Std Nature club(zoology)activity Principal-HOD meeting (F.Y.B.Sc. practical batches) 3 rd week- Parents meeting (F.Y.J.C./S.Y.J.C.and S.Y.B.Sc) Biotech-micro club activity 4 th week Essay competition Department-wise parents meeting (T.Y.B.Sc) Maths – Stats club activity Library committee meeting Mentor –distribution of students Last week- First cultural inaugural programme NSS : activity NCC : activity Teaching days - 25 6th July Ramzan Id					1st week- student's council meeting Botany club activity, Chemistry club activity College school Complex activity 2 nd week -Poetry and story writing Recitation Competition Singing competition F.Y.J.C Ist Tutorial 3 rd week - Physics club and IT club activity 20th August 1st workshop International conference “Emerging technologies for sustainable agriculture” Parents meeting of F.Y.J.C. 4 th week Principal-HOD-meeting Last week - Past students- Principal meeting Class test(1st Sem - 3rd Sem S.Y.B.Sc and Vth Sem,T.Y.B.Sc NSS and NCC :Activity Teaching days - 25 15 th Aug - Independence day 17 th Aug - Parsi new year					1 st week IQAC &QAC meeting 1st Sem and 3rd Sem. exam. and Vth Sem practical exam 3 rd week - Debate and Elocution competition 3 rd week -Principal-HOD meeting Women cell activity 4 th week-3 rd cultural programme F.Y.B.Sc parent's meeting Last week- Staff Academy programme Library committee meeting Short excursions(Botany/Zoology) Parents meeting(Defaulter studentsF.Y.S.Y. NSS Foundation Day Teaching days - 19 5 th Sept Ganesh chaturthi 6 th sept to 12Sept 2016 midterm break 12 th Sept Bakri idd 15 th Sept Anant chaturdashi				

VPM's B.N. Bandodkar College of Science, Thane (w)-1

	OCTOBER Ashwin/ Kartik (Shake 1938)					NOVEMBER Kartik /Margashirsh Shake 1938					DECEMBER Margashirsh /Poush Shake 1938					JANUARY Poush/ Magh (Shake 1938)				
SUN	30	2	9	16	23		6	13	20	27		4	11	18	25	1	8	15	22	29
MON	31	3	10	17	24		7	14	21	28		5	12	19	26	2	9	16	23	30
TUE		4	11	18	25	1	8	15	22	29		6	13	20	27	3	10	17	24	31
WED		5	12	19	26	2	9	16	23	30		7	14	21	28	4	11	18	25	
THU		6	13	20	27	3	10	17	24		1	8	15	22	29	5	12	19	26	
FRI		7	14	21	28	4	11	18	25		2	9	16	23	30	6	13	20	27	
SAT	1	8	15	22	29	5	12	19	26		3	10	17	24	31	7	14	21	28	
	<p>1st week: 1stSem F.Y.B.Sc and 3rdSem(S.Y.B.Sc) theory exam. (1st Oct onward) Vth Sem University Practical exam. IQAC Meeting 2nd week:L.M.C.meeting College committee Meetings (Degree &Jr college) Degree &Jr college staff meeting Student council meeting</p> <p>Submission of Theory and pract. Mark list (1Sem.-F.Y.B.Sc.and 3rd sem.-S.Y.B.Sc.)</p> <p>3rd week Principal- HOD meeting</p> <p>NSS and NCC : Activity 25st Oct. 16 End of First Term</p> <p>Teaching Days- 19 2nd Oct- Gandhi Jayanti(Sunday) 11th Oct Dassera 12th Oct – Moharam</p> <p>26th Oct 2016 to 14th Nov 2016 Diwali Vacation</p> <p>Zoology and Botany - long /short excursions</p>					<p>14 th Nov Second term begins (15 Nov 16 to 30 April 17) Jr. college First term Theory Exam.</p> <p>3rd week Principal - HOD meeting</p> <p>Zoology club activity 19th November Second workshop for International conference “Emerging technologies for sustainable agriculture”</p> <p>Parents’ Meeting (Defaulters)</p> <p>Maths and Stats club activity.</p> <p>Last week Fourth Cultural programme Biotech-micro club activity Results - 1Sem.-F.Y.B.Sc.and 3rd sem.-S.Y.B.Sc.)</p> <p>29 &30 Nov. Career Mela for Jr college students</p> <p>NSS and NCC : Activity</p> <p>Teaching Days- 14 14th Nov. Guru Nanak Jayanti</p>					<p>1st week Physics, IT and Chemistry club activity Quiz Competition IQAC Meeting</p> <p>1st & 3rd Dec Career Mela for Degree college students 2nd week Students’ council meeting Fifth cultural programme</p> <p>Botany club activity Poetry Competition 3rd week Women’s cell activity</p> <p>4th week 21-22-23 Dec.Sports Day, Annual / Social Days (Non –Instructional/Teaching days)</p> <p>NSS : Activity NCC : Activity Teaching Days – 15 12th Dec id e milad 25th Dec Christmas 26th Dec -1st Jan 17 Winter Break (Christmas Vacation)</p> <p>Zoology and Botany- long/short excursions</p>					<p>1st week- Inauguration Magazine and Prize distribution ceremony IQAC Meeting 1st week- SYJC Prelim(theory),CET</p> <p>2nd week Principal- HOD meeting 3rd week SYJC Prelim(practical)</p> <p>3rd week class test of 2nd Sem.- F.Y.B.Sc&4th Sem.-S.Y.B.Sc. and VI sem (T.Y.B.Sc.) 6th and 7th January International conference “Emerging technologies for sustainable agriculture”</p> <p>4th week Parents’ Meeting (Defaulter students)</p> <p>Staff Academy programme</p> <p>NSS and NCC: Yuva diwas Swachata Abhiyan and Blood Donation Camp</p> <p>Teaching Days- 25</p> <p>26th Jan 2017 Republic Day</p>				

VPM's B.N. Bhandarkar College of Science, Thane (w)-1

[illegible]

Annexure ii

Sr. No.	Plan of Action	Outcome
1.	Orientation lecture for Students.	Orientation lecture conducted for F.Y.B.Sc on 5 th July 2016. S.Y.B.Sc June 17 and T. Y. B.Sc 2017
2.	Orientation for Laboratory Assistants.	<ol style="list-style-type: none"> 1. Workshop on “Safety in Chemical laboratory” by Chemistry Department on 20th Jun-16 and 23rd Jun-16. 2. Letter and Notice Drafting in English language on 18th July 2016. 3. Cleaning, care & Maintenance of Microscope by Zoology Department on 10th Aug-16.
3.	Orientation for Office Staff for improvement in working system.	Orientation session was conducted individual sections.
4.	To conduct Research methodology course for teaching staff.	Research Methodology course for Batch I was successfully completed and started for Batch II.
5.	Orientation lecture for staff regarding examination rules.	Orientation given by exam coordinator for newly recruited Staff individually regarding examination rules.
6.	Orientation lecture for students regarding examination rules.	Orientation lecture for Students regarding examination rules was conducted in the month of July.
7.	Orientation lecture for students on available online database.	Orientation lecture for F.Y.B.Sc. and M.Sc. Students on available online database was conducted in the month of July.
8.	To give coaching for competitive examination	<ol style="list-style-type: none"> 1. Interactive Session for Competitive Exam Preparation by Department of Biotechnology & Microbiology on 9th July 2016. 2. Application for Doctoral research universities in abroad by Department of EVS and BWMC on 5-Aug-16. 3. “How to prepare for UPSC and MPSC Exam (Lecture)” by Employment Cell on 17-Sep-16.
9.	To conduct International conference on “Emerging Technologies for Sustainable Agriculture” along with preparatory workshops.	<ol style="list-style-type: none"> 1. Pre-conference workshop for International Conference on “Emerging technologies for Sustainable Agriculture” on 20-Aug-16. 2. Pre-conference Workshop for International Conference on “Emerging Technologies for

		<p>Sustainable Agriculture” on 19-Nov-16.</p> <p>3. Pre- conference lecture series for the International conference on ‘Emerging Technologies for sustainable Agriculture’ on 02-Jan-17 and 03-Jan-17.</p> <p>4. International conference on ‘Emerging Technologies for sustainable Agriculture’ on 07 to 8-Jan-17.by biotech and microbiology dept.</p>
10.	To conduct monthly lectures under Late Dr. V.N. Bedekar Colloquium Lecture Series	<p>Lectures were organised on:-</p> <p>1. 27 June 16 on Sindhu Swadhyay Sanstha by Prof Vinayak Dalvi through Zoology Department</p> <p>2. 25-Jul-16 on "Chemistry the Central Science" by Dr. Ravindra G. Deshmukh, Principal at Konkan Gnyanpeeth's, Arts, Science & Commerce College, Karjat through Chemistry department</p> <p>3. 31-Aug-16 on Regenerative Cardiovascular Medicine by Dr. Ankit Chaturvedi (Senior Scientific Researcher, Vivasure Medical Limited, Republic of Ireland) through Botany Department</p> <p>4. 27-Sep-16 on the topic “Energy, Nuclear Energy and Hydrogen Bomb” by Dr. S. B. Kulkarni, Indian Institute of science, Mumbai through Physics department</p> <p>5. 24-Nov-16 on “How to improve API- few suggestions” by Prof. S. B. Deosarkar (Dept. of Electronics and Tele-Communication Engineering, Dr. B. A. Technological University, Lonere) through Chemistry Department</p> <p>6. 5 Dec 16 on "Plant life through Earth's History with special reference to Glossopteris flora of India " by Dr Rajani Tewari</p> <p>7. 14-Jan-17 on “Interesting features of non-linear mechanics” by Senior scientist, CBS Mumbai, Dr. M. N. Nyayate through Physics Department</p> <p>8. 24 Feb 17 on Polycystic Ovary Syndrome by Team of Doctors from Hiranandani Hospital through Zoology department</p> <p>9. 11-Mar-17 on Chemistry In Technology And Fluorescent Material In High-Tech application Lecture by Dr. Vikas S. Padalkar (,Manager,</p>

		Research & Development, NOCIL Limited, Navi Mumbai)by Chemistry 10. 8 th April 2017 on "Foreign Scholarships Dr. Nitin Labane , Asst Professor, Dept of Botany.
11.	To conduct BNB-HOPE Environment Science Lecture Series in collaboration with HOPE	1. Lecture on 'Indian wildlife: A naturalist's perspective' on 30-Jul-16. 2. Lecture on "Life in a metro for a large Carnivore" on 14-Sep-16. 3. Lecture by Pushkar Tambe (Director, Trout7 Consultancy Pvt. Ltd.) on 4-Mar-17.
12.	To conduct Fests / Exhibitions /Competitions through interdepartmental activity.	1. Stats- fest on 6-Aug-16 2. Exhibition on the topic "Realizing Science-Past to Present" by Chemistry Department on 13-Oct-16. 3. Realizing Science from past to present by Zoology dept. 13-Aug-16. 4. "Physics Carnival 2017" was organised from 20 to 21-Jan-17 5. Quiz competition "Mathalete" organized by Mathematics club on 25-Jan-17
13.	To conduct lectures/workshops through IQAC	1. Workshop on "Role of IQAC and Moral Responsibility of Staff members" on 6 th April 2017 2. Workshop on "Documentation Record and PBAS-API" on 8 th April 2017
14.	To conduct various programs through Library Department	On the occasion of Maze Granthalay Granthapeti Exchange programme, lecture were organised on 1. "Experiences in Australia visit" by Dr M. K. Pejaver on 27 th August 2016 2. " Sahityik Gappa" by Dr R. M. Shejwalkar on 7 th January 2017 3. Prem Yog by Mrs Nayana Vaidya on 29 th April 2017
15.	To conduct orientation lectures and Skill development courses for teachers.	One-day workshop on "Future Research Challenges and Department-wise Scenario" was conducted on 7 th April 2017 by Research Committee.
16.	To arrange Life skill session with counsellor.	Monthly life skill sessions for T.Y.B.Sc. and M.Sc. students on personality development were conducted by Counsellor.
17.	To orient students for laboratory safely.	Before practical starts each year FY, SY, TY and MSc students were oriented for laboratory safety by Chemistry Department.

18.	To arrange nature trail/ educational/ Industrial visit	<ol style="list-style-type: none"> 1. A Trail To Sanjay Gandhi National Park At Yeor Hills by Zoology on 4-Apr-17. 2. EVS and BWMC -WWF Workshop II Trail to Sanjay Gandhi National Park 19-Mar-17 3. Educational visit to Enviro-Vigil lab,Thane by Chemistry. 6-Dec-16 4. Industrial visit Century Rayon, Ltd. Shahad, Thane by Chemistry on 8-Dec-16. 5. Industrial visit to IIPSon by Statistics dept.on 9-Dec-16. 6. Study tour to RAC, TIFR, Ooty by Physics on 3rd-9th Jan 2017. 7. Museum visit to Shivaji Maharaj Vastu Sangrahalaya, Mumbai by Zoology on 13-Jan-17. 8. Visit to Bhajanlal Dairy farm and Arnala beach, Vasai by Zoology on 12-Nov-16. 9. Ankur Theme Park, ENVIRO Vigil, Kalwa. by EVS and BWMC on19-Sep-16. 10. Trail to Matheran by Mr. Samrat Godambe (Naturalist, Kanha National Park, MP) By EVS and BWMC on1-Sep-16. 11. Excursion to Velas &Velneswar on EVS and BWMC on 2-Feb-17. 12. WWF Workshop I by EVS and BWMC on1-Feb-17
19.	To conduct value added courses.	<ol style="list-style-type: none"> 1. Workshop on "Food Adulteration" on 2-May-16 by Zoology department. 2. Workshop on "Use of ChemDraw Ultra Software" from 13-Jun-16 to 14-Jun-16 by Chemistry Department. 3. Workshop on 3D Printing Technology on 25-Jun-16 by Physics department. 4. Workshop on "Basic Techniques in Microbiology" from 19-Aug-16 to 20-Aug-16 by Botany Department 5. Four days' Workshop on "Hands-on training of Plant Tissue Culture Techniques" from 2-Nov-16 to 5-Nov-16 by Botany Department. 6. Workshop: Use of pH Meter from 28-Nov-16 to 3-Dec-16 by Botany Department. 7. Two days workshop on "Hands-on training of Plant

		<p>Tissue Culture Techniques” from 14-Jan-17 to 19-Jan-17 by Botany.</p> <p>8. “FOOD ADULTERATION AND QUALITY TESTING” from 6-Feb-17 to 8-Feb-17 by Biochemistry department.</p> <p>9. Workshop: Biodiversity – Life in a metro for a large carnivore’, Zoology by Mr.NikitSurve16-Feb-17.</p> <p>10. Certificate course on “Basic Principles: Preparation and Standardization of Solution” from 7-Feb-17 to 8-Feb-17 by Chemistry Department.</p> <p>11. Workshop on ‘R-software course’ from 23-Apr-17 to 29-Apr-17 by Statistics Department.</p>
20.	To conduct Skill development courses for students.	<p>1. Workshop on communication skills by Physics department on 11-Jun-16.</p> <p>2. Workshop on “Letter and Notice Drafting in English language” by Botany Department on 18-Jul-16</p> <p>3. Workshop on Acting by Cultural Committee on 20-Aug-16.</p> <p>4. Workshop on Art of Fruit-Vegetable Carving by Botany department on 16-Dec-16.</p> <p>5. Workshop on “Basic Techniques in Microbiology” by Botany on 19-Aug-16 to 20-Aug-16.</p> <p>6. Instrument care day By Physics on 2,3-Jan-17</p>
21.	To conduct career guidance lectures for students.	<p>1. Lecture on “What after third year” from Chemistry students on 11-Aug-16.</p> <p>2. Lecture on “Research Aptitude” on 21-Sep-16 by Physics Department.</p> <p>3. Lecture on ‘Career guidance on UPSC and MPSC exams’ on 6-Mar-17.</p>
22.	To arrange diversified lecture to upgrade the students	<p>1. Talk on the book “<i>Aganitachya Antarnagat</i>” by Mathematics on 19-Aug-16.</p> <p>2. Lecture on “Tracks and Signs” by EVS and BWMC on 27-Aug-16.</p> <p>3. Nature Talk: ‘<i>Tracks and Signs in Wildlife</i>’ by Zoology on 27-Aug-16.</p> <p>4. Guest lecture on <i>Happy and high performing college life</i>.by Dr. Sanjeewani Jain, Retired professor from V. G. VAZE College, Mulund. By Physics on 3-Sep-16.</p> <p>5. “<i>Soil analysis Technique</i>” by EVS and BWMC on 21-Oct-16.</p>

		<ol style="list-style-type: none"> 6. Spectroscopic methods for chemical analysis and interpretation of Spectra.by Chemistry on 28-Jan-17. 7. To Know how about the Chemicals” (MSDS) by Chemistry on 2-Sep-16. 8. ‘Power within You’ Statistics on 06/02/17. 9. “Marine Biodiversity along Maharashtra coast” by EVS and BWMC on 16-Feb-17. 10. History of Mathematics” in association with Marathi Vidnyan Parishad, Thane Region. By Mathematics on 10-Feb-17. 11. Film Show: ‘Animals are Wonderful People’ By Zoology on 28-Jan-17.
23.	To conduct Bal Vaignyanik Mahotsav	<p>Bal Vaignyanik Mahotsav 2016-17 activities were conducted on following days:</p> <ol style="list-style-type: none"> 1. 19-Sep-16 by Botany Department 2. 16-Nov-16 by Chemistry Department 3. 20-Dec-16 by Chemistry Department
24.	To conduct activities for awareness of environment related issues.	<ol style="list-style-type: none"> 1. ‘Van Mahostava’ organized jointly by Department of Botany, NCC and NSS on 1-Jul-16. 2. Mangrove Day Program on 27-Jul-16 by EVS and BWMC Departments. 3. Energy and water conservation, Solid waste management Awareness Campaign in College on 1,2,3-Aug-16 by EVS and BWMC Departments. 4. Save electricity program by NSS on 13-Aug-16. 5. Harvesting of Biocompost in Green Acres-II Society on 6-Nov-16 by EVS and BWMC Departments. 6. Lecture on “E-waste Management” on 24-Dec-16 by EVS and BWMC Departments. 7. Green Building Awareness and sustainability workshop on 30-Jan-17 by EVS and BWMC Departments. 8. Solid waste Management on 22-Feb-17 by EVS and BWMC Departments. 9. (Inter Departmental Awareness Programme) Roadmap to Control Addiction by Zoology on 29-Jul-16.
25.	To conduct e-waste collection drive	E-waste collection Drive was conducted on 13-Jan-17.

26.	To arrange Parents meeting department wise	Department wise parents' meetings were conducted.
27.	To conduct various Programs through NSS	<ol style="list-style-type: none"> 1. Blood Donation camp on 12 May, 13 May, 14 June 2016 2. Yoga camp from 15 to 19 June 2016 3. World Yoga Day on 21 June 2016 4. "Mega Tree Plantation Day" on 1-Jul-16 5. Session based on Jagar Janivancha on 10-Aug-16 6. Save electricity program on 13-Aug-16 7. Independence Day Flag hosting on 15-Aug-16 8. After flag hosting a program at GADKARI NATYAGRAH, Thane on 15-Aug-16 9. "Andhshradha Nirmulan" Rally on 21-Aug-16 10. Tiranga March Rally on 22-Aug-16 11. Organ donation campaign on 31-Aug-16 12. NSS FOUNDATION DAY on 24-Sep-16 13. Medical camp on 20-Oct-16 14. Wall painting on 21-Oct-16 15. How To Be A Smart Investor on 21-Oct-16 16. Blood Donation camp on 22-Oct-16 17. "Swach Bharat Abhiyan" on 23-Oct-16 18. Importance Of The Youth on 24-Nov-16 19. Talk on "INDIAN CONSTITUTION DAY" on 26-Nov-16 20. AIDS DAY on 1-Dec-16 21. TB awareness program on 9-Dec-16 22. Human Rights Day on 10-Dec-16 23. Science Exhibition by Marathi Vidnyan Mandal from 16 to 18-Dec-16 24. Residential camp from 25-Dec-16 to 1-Jan-17 25. Road safety awareness orientation on 7-Jan-17 26. YuvaBhasha Sangam on 10-Jan-17 27. Yuva Day on 12-Jan-17 28. E-waste program on 14-Jan-17 29. Blood Donation camp on 18-Jan-17
28.	NCC	<ol style="list-style-type: none"> 1. International Yoga day on 21-Jun-16. 2. Indian Military Academy Attachment Camp from 21-Jun-16 to 2-Jul-16. 3. Independence day parade on 15-Aug-16. 4. Thal Sainik Camp, Delhi from 19-Sep-16 to 30-Sep-

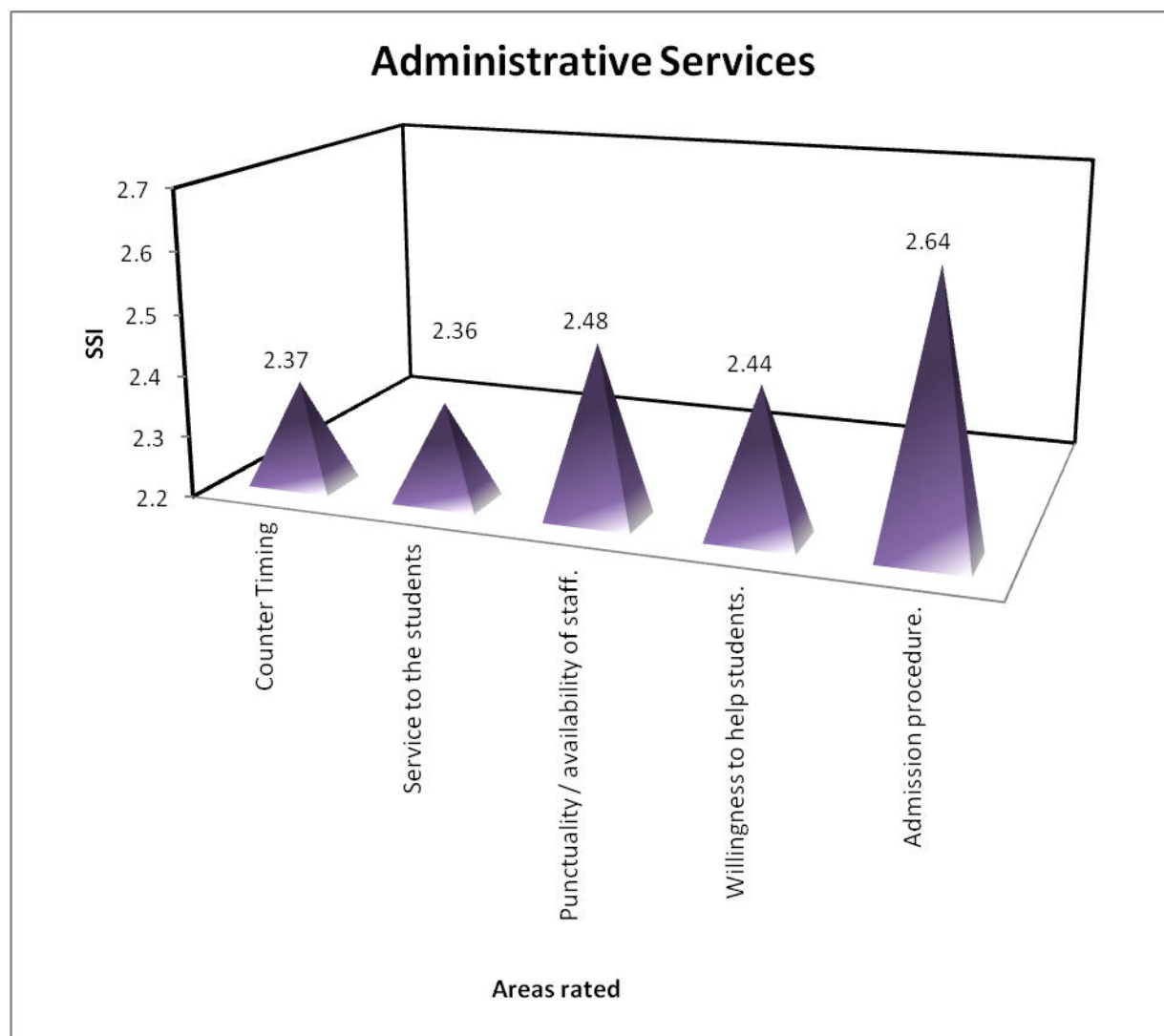
		<p>16.</p> <p>5. Officer's Training Academy Attachment Camp, Kamptee from 17-Oct-16 to 26-Oct-16.</p> <p>6. Aids Awareness campaign on 1-Dec-16</p> <p>7. Marathi Vigyaan Parishad held at Gadakari Auditorium on 16,17,18-Dec-16.</p> <p>8. NCC ARMY BOYS OF ASC THANE UNIT (1 MAH BN) from 25-Dec-16 to 1-Jan-17.</p>
29.	To conduct lectures of eminent persons through departmental clubs.	All the departments have conducted programmes as per schedule given in academic calendar.
30.	To conduct Journal and Movie Club activity	<p>Journal and Movie Club activity was conducted by</p> <p>1. Biochemistry department on 6-Aug-2016, 9-Jan-2016 and 10-Jan-2016.</p> <p>2. Zoology department on 28-Jan-17.</p> <p>3. Biotechnology and microbiology dept. per Sem</p>
31.	WDC	<p>1. Yoga Divas on 2-Jun-16</p> <p>2. Bhartiya Sanskriti Pariksha 2016 on 31-Aug-16 by Swami Vivekananda Kendra, Thane</p> <p>3. Universal Brotherhood Day on 16-Sep-16</p> <p>4. Seminar on PCOS on 24-Sep-16</p> <p>5. Tejomay Kranti Jyoti on 13-Dec-16</p> <p>6. Women Health and Skin care on 20-Jan-17</p> <p>7. Health Issues of women on 9-Feb-17</p> <p>8. Women and to be a women on 23-Feb-17</p> <p>9. Dignity and Obscene on 8-Mar-17</p>
32.	Celebration of Festivals	<p>1. Rakshabandhan by NSS and Cultural on 16-Aug-16</p> <p>2. Teacher's Day by NSS and Cultural on 3-Sep-16</p> <p>3. Ganpati Visarjan by NSS on 15-Sep-16</p> <p>4. Gandhi Jayanti by NSS on 2-Oct-16</p> <p>5. Mangalagour by Cultural on 14-Oct-16</p>
33.	Certificate courses on Yoga.	Four courses were conducted throughout the year.
34.	Activities through DLLE	<p>1. Participated in Intercollegiate festival <u>UDAAN</u> at Bharti Vidyapeeth, New Mumbai on 12-Jan-17 and won 3rd prize for "Deaddiction" SKIT written , directed, acted by DLLE students</p> <p>2. "Health and skin care - a major issue of adolescent" on 20-Jan-17</p> <p>3. Skill development such as painting etc</p>

35.	To conduct various competitions through Literary associations	<ol style="list-style-type: none"> 1. Elocution Competition and Debate on 25-Jun-16 2. Aagarayan (Program on Aagri Poetry) on 29-Jul-16 3. Essay competition through Maharashtra Foundation Ambajogai on 20-Aug-16. 4. Savidhan Diwas Elocution Competition on 26-Nov-16 5. Gandhi Exam through Jain Foundation Jalgoan on 5-Dec-16. 6. Elocution And Debate Competition through Bank of India, Thane on 4-Jan-17. 7. Exhibition, Elocution and Debate through Marathi Vidnyan Parishad, Thane on 13-Feb-17. 8. Marathi Bhasha Diwas on 27-Feb-17. 9. Essay Competition through Thane Nagar Vachan Mandir on 1-Mar-17. 10. World Women's Day on 8-Mar-17 11. National Talent Search Exam EVS through MIFFEE Goa on 9-Mar-17.
36.	To have annual Sport day in last week of December	Organized Annual Sports Day on 21 st December 2016.
37.	To conduct activities through Cultural Association	<ol style="list-style-type: none"> 1. Inauguration of Cultural Association was organised on 27-Aug-16 2. Swami Samarth Sugam Sungeet Competition was organised on 28-Sep-16. 3. Vachana Prerana Diwas on 15-Oct-16 4. Agri Kavi Sammelan (AAGARAYAN) on 30-Nov-16 5. TB Awareness program on 9-Dec-16. 6. Katha-Kathan on 13-Dec-16 7. Treasure Hunt Competition on 18-Dec-16 8. FINE ART - Mehndi, Rangoli, Hair Style, Nail art, Tatto, Flower Veggi art, greeting card making, Love letter writing, Bridal makeup competitions on 19-Dec-16 to 22-Dec-16.
38.	To conduct Annual cultural day	Annual Cultural programme on 23 rd & 24 th December 2016 based on theme SHADES OF INDIA.
39.	To initiate additional measures to inculcate research aptitude and scientific temperament	<ol style="list-style-type: none"> 1. Research Scholar programme is continued from previous year. 2. Science square program continued.

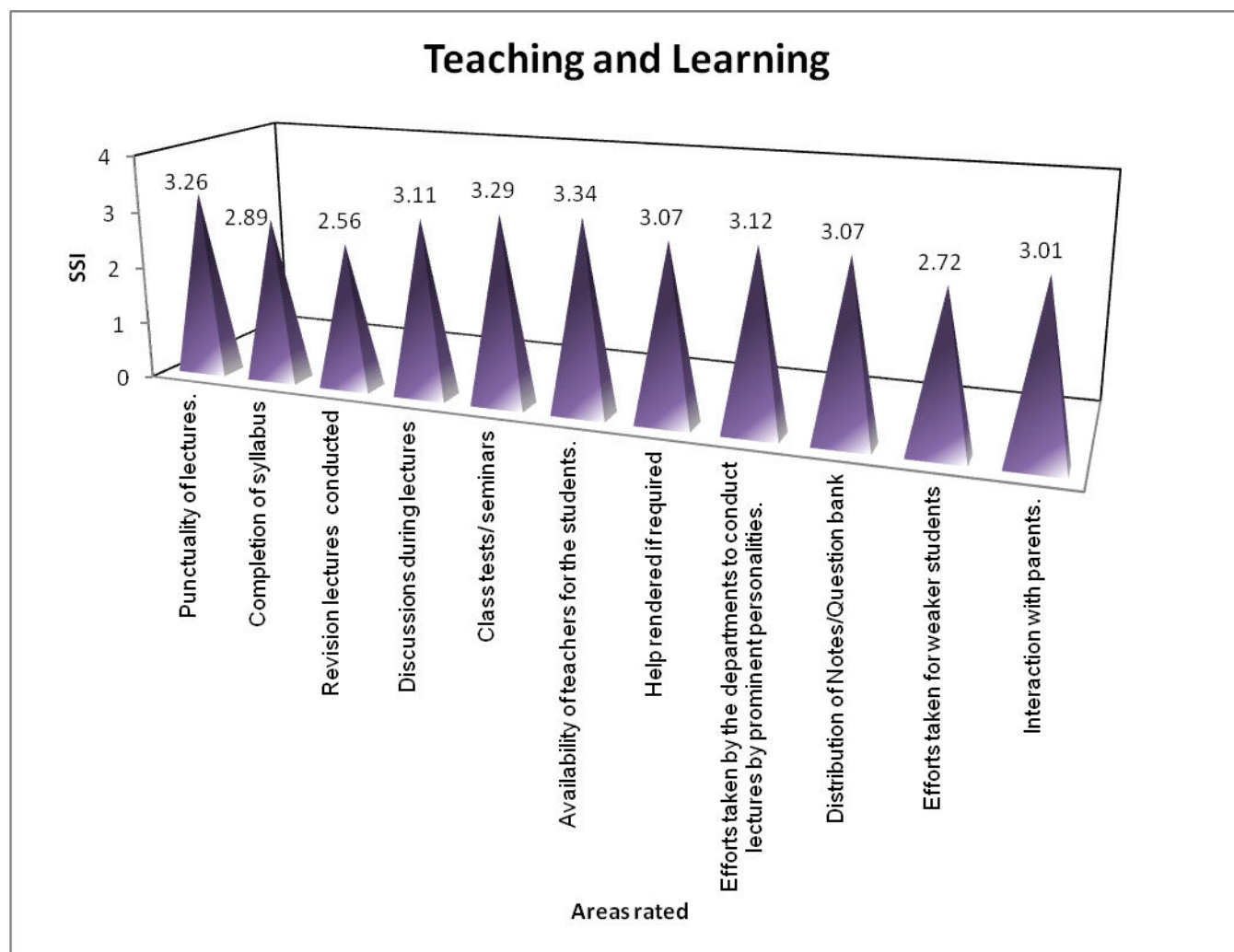
	among students along with personality development by Research committee and science square committee.	3. Demo practicals for school children. 4. National Science Day is celebrated on 28-Feb-2017 with lecture by Eminent Scientist.
40.	To celebrate more days through Friends of Library	Book Exhibition and Poster Display was organized in library on the occasion of: 1. World Environment Day on 5 th June 2016 2. Rajashri Shahu Maharaj Birth Anniversary on 26 th June 2016 3. Lokmanya Tilak Birth Anniversary on 23 rd July 2016 4. Savitribai Phule Birth Anniversary on 3 rd January 2017 5. Swami Vivekananda Birth Anniversary on 11 th January 2017 6. Subhashchandra Bose Birth Anniversary on 23 rd January 2017 7. Chatrapati Shivaji Maharaj Birth Anniversary on 19 th February 2017 8. Swatantryaveer Vinayak Damodar Sawarkar Death Anniversary on 26 th February 2017 9. Marathi Rajbhasha Divas on 27 th February 2017 10. National Science Day on 28 th February 2017
41.	To collect feedback data from students and its analysis by IQAC	Feedback data from students was collected and its analysis was done and measures are taken for improvement.
42.	To strengthen the activities of College School complex and Science square committee	1. Visit of School Student to various departments of College on 24-Nov-16 2. Guidance to School Students for Competitive Examination on 13-Feb-17 3. National Science Day Celebration and Poster Presentation of Mini-Research projects on 28-Feb-17 4. Research Scholar Programme – 2 nd batch Completion
43.	TO strengthen employment cell	Following companies conducted campus interviews: 1. L 7 T InfoTech on 25-Aug-16 2. Cap Gemini on 7-Dec-16 3. Bombay Stock Exchange on 3-Mar-17 4. Precise Company on 20-May-17
44.	Publication of the magazine Sanyuja	Magazine was published on 16 th Feb 2017

45.	Publication of e-journal J-BNB	e-journal J-BNB was published on 28 th Feb 2017
46.	To arrange lecture for all staff regarding health awareness	Free health check up camp was organised for staff members.
47.	To arrange Alumni meet	Guftugu with Eminent Ex-Faculty members & Talented Alumnus by Botany Department on 30-Jul-16.
48.	To arrange Anubandh Alumni meet	On 7 th April 2017 and 6 th May 2017.
49.	DBT Star activities	Various activities were conducted throughout the year under DBT Star Scheme by Physics, Chemistry, Botany and Zoology department which include 20 Guest lectures, 32 Extra practical, 20 Workshops, 7 Study tours, 9 Interdepartmental activities, 22 Projects, 4 Social awareness programs, 3 Faculty improvement programs, 1 Soft skill Development program, 5 Outreach Programs and Physics Carnival.
50.	To perform energy audit and try to reduce consumption of electricity.	Students performed energy audit and try to reduce consumption of electricity
51.	To conduct workshops on MOOC and use it in teaching.	Due to time constraint and human resources not able to performed

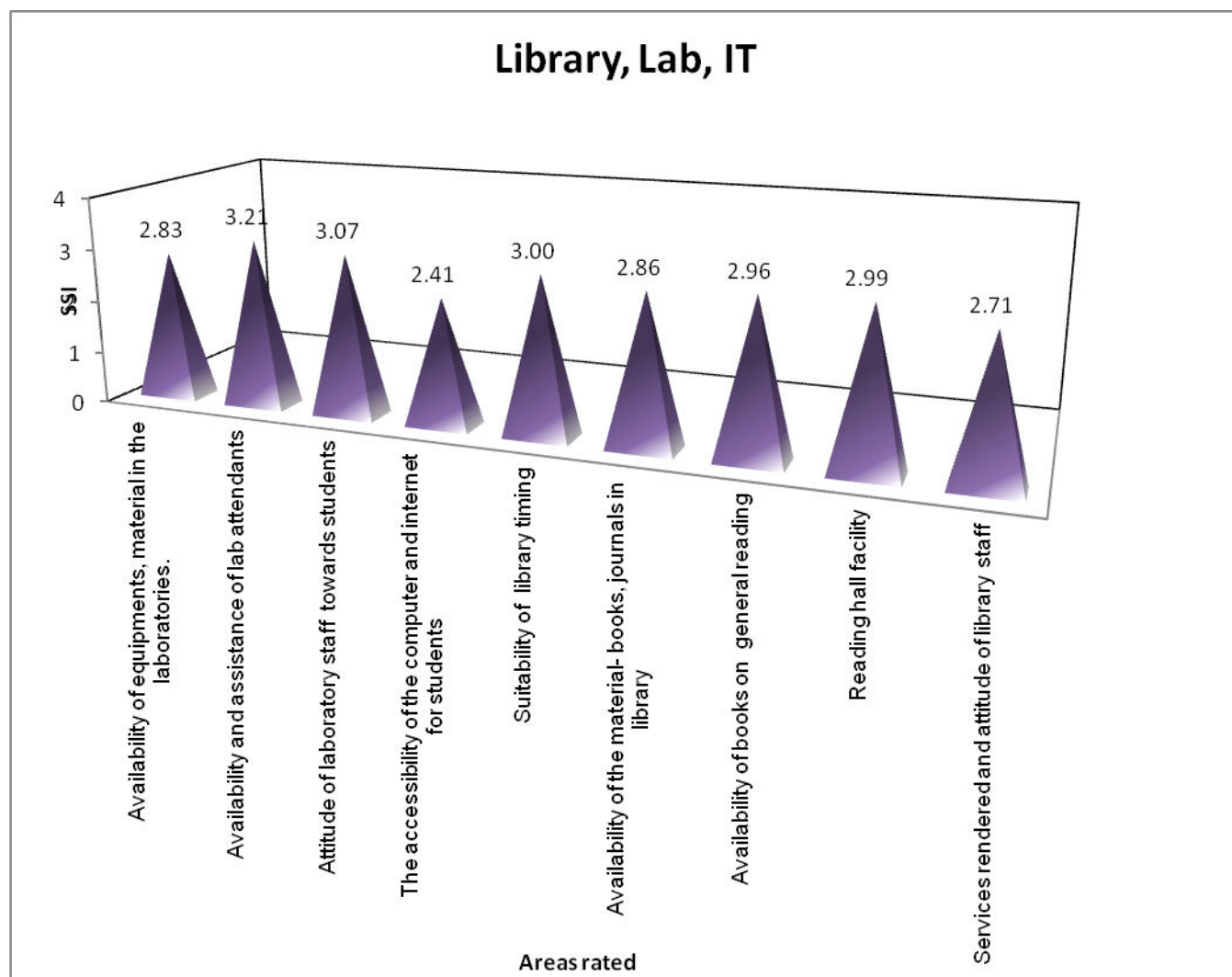
SSI Graphs (2016-2017)



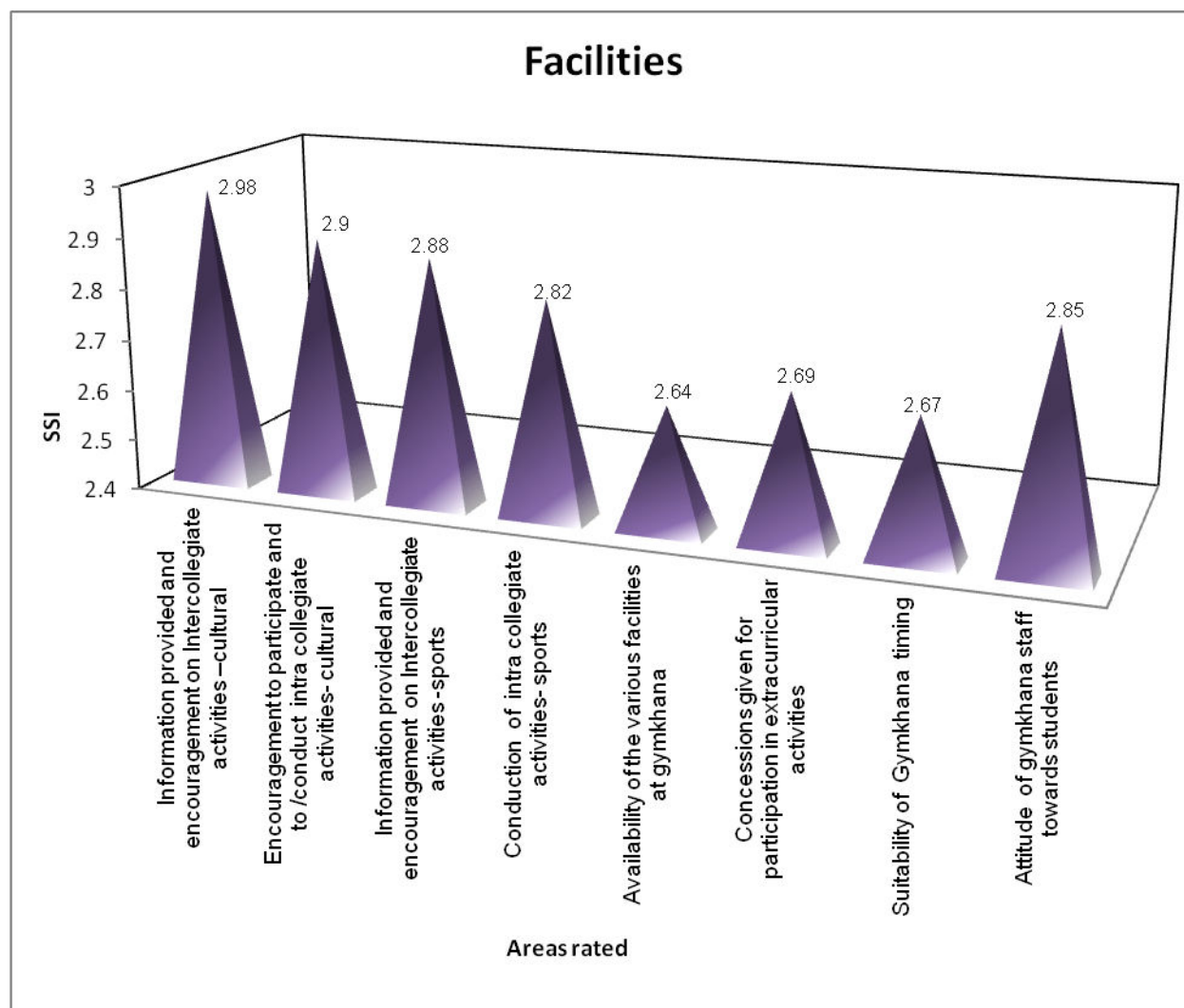
4: Very Good 3: Good 2: Satisfactory 1: Poor



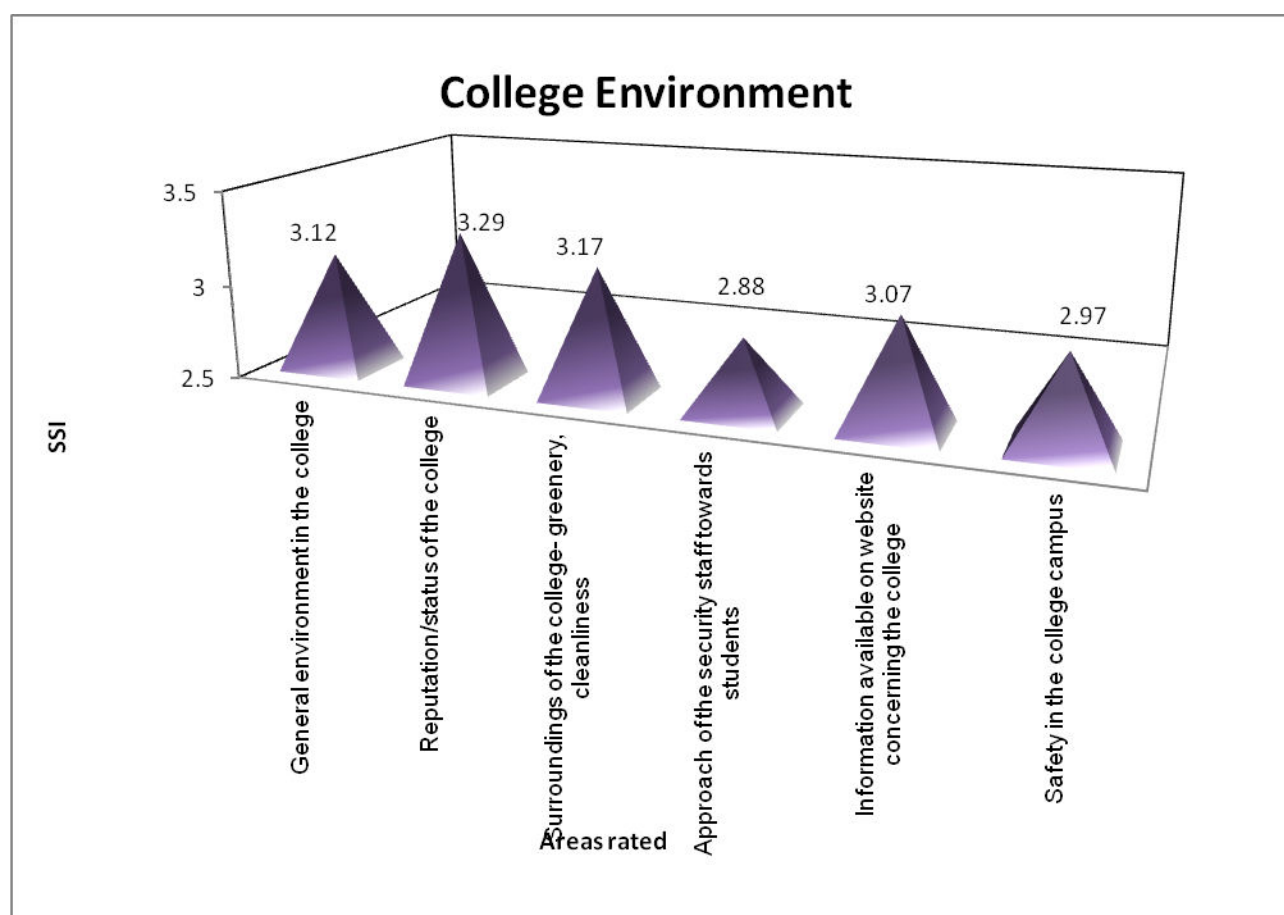
4: Very Good 3: Good 2: Satisfactory 1: Poor



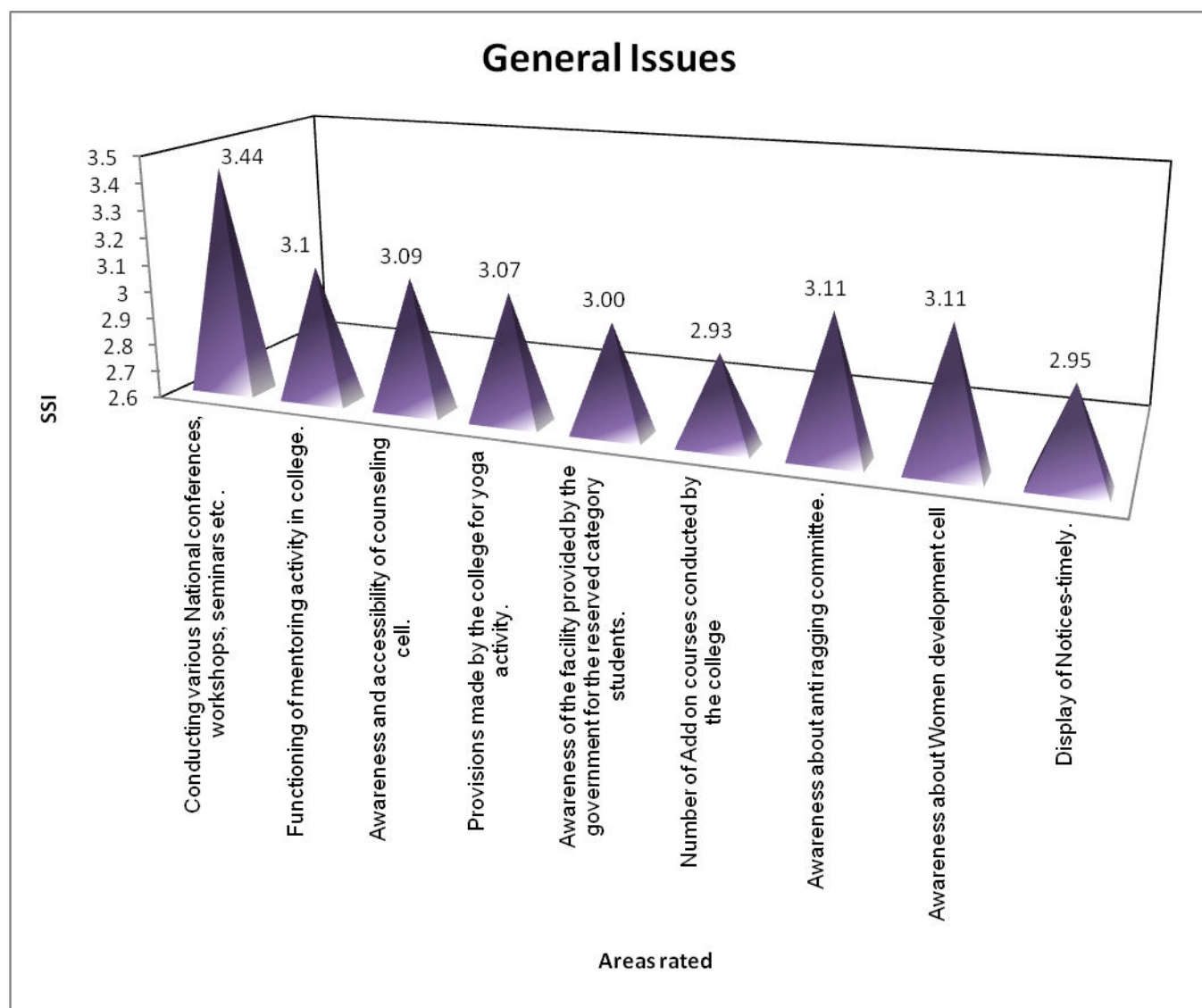
4: Very Good 3: Good 2: Satisfactory 1: Poor



4: Very Good 3: Good 2: Satisfactory 1: Poor



4: Very Good 3: Good 2: Satisfactory 1: Poor



4: Very Good 3: Good 2: Satisfactory 1: Poor

Annexure - iv- a

Best Practice-1

Title: Late Dr. V. N. Bedekar memorial Colloquium lecture series

Context:

Late Dr. V. N. Bedekar was founder member and former Chairman of Vidya Prasarak Mandal who tirelessly worked with a mission to create educational hub in Thane that would provide a quality education for students staying in Thane and around. In memory of him, Since last thirteen years, college management - Vidya Prasarak Mandal annually host a memorial day by organizing a talk by renowned personality. Senior leaders From BNBCS thought of initiating a special lecture series in the name "Late Dr. V. N. Bedekar memorial Colloquium lecture series" to pay tribute to the fond leader, educator like him.

Goal:

To inculcate scientific spirit amongst the students to offer homage to great mentor like Late Dr. V. N. Bedekar and to take ahead the batten- lead by great person like him.

The practice:

Second Saturday of every month was decided to host a Open Lecture Series in "Patanjali", a common auditorium. For the benefit of students and staff, it was thought to be conducted in the format of colloquium, wherein there would be an open informal interaction with the experts about the current developments in particular fields. To have variation and to cater to varied interest of participants, different departments shared the responsibility to host the sessions. The sessions were planned well in advance and notified to students ensuring their participation. The topic - that the resource person would deliver talk on, was also notified using board display, print media. The sessions were video-recorded, in order to create exclusive resource that can be referred by interested students and faculties in future.

Obstacles faced/Problems encountered:

- 1) Hosting the lecture every second Saturday of month was not possible because of unavailability of resource persons and students. Hence flexible format was adopted.
- 2) Participants' number varied because of exam schedules and other academic commitments of students.

Impact of Practice / Evidence of Success:

Through the lecture series, a common platform was offered to industry-academia interactions. Many reputed personalities from varied backgrounds visited college as resource persons. Many of them mentioned that they were fortunate to get the chance to interact with young minds and shared their expertise at this particular platform.

Students got rear chance to update themselves by getting first hand information about current developments happening in various fields of science.

Resources required:

Active involvement of teachers

Infrastructure in the form of auditorium, Good Audio-Visual facility

Enthusiastic students

Annexure - iv- b

Best Practice-2

Title: E-Waste Collection Drive

Context:

Environment degradation is one of the prime concerns of current generation. Delirious effects of uncontrolled human activities on nature are evident. The diverse student backgrounds dictate 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 behaviour consistent with sustainable development ensure effective public participation in ecosystem management. With ever increasing modern telecommunication industry, the earth is burdened with exorbitant amount of E-waste. The problem of disposal of electronic and electrical gadgets that is non biodegradable and has a lot of toxic heavy metal constituents is unique and is to be addressed with top priority.

Goal:

- To promote environmental awareness among the youth – the next generation society;
- 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. Uninterrupted efforts are made to mould students into rational thinkers, and socially aware citizens.

The College consciously made efforts to make genex aware about numerous facts about the environment and related issues. Through, environmental science department e-waste collection drive was organized. Post graduate students of EVS department, NSS and NCC students functioned as volunteers and facilitators.

Printed notification was issued about the drive to make all students, teachers, non teaching and administrative staff aware about the drive format. The details of the drive were circulated using social media actively by Honorable Principal of the College. The departments were notified to give details about permanently damaged instruments and other electronic gadgets. The e-waste in the form of irreparable laboratory instruments, computers and accessories, damaged telephone instruments etc. was collected from all the departments and College office. The details of the same were kept and maintained with the office staff.

All the staff members and students were also encouraged to deposit the e-waste from their home and neighbourhood.

The total participation from students, teachers, non teaching staff and administrative staff resulted in enormous e-waste collection, proving the benefits of this activity.

Impact of Practice / Evidence of Success:

1. The total of 1895 kg. of e waste was collected in a single day drive by the student volunteers.
2. Environmental awareness among youths/students is been created and efforts are made to reinforce responsible behaviour in them that supports a cleaner living environment, sustainable resources,.
3. Success was observed 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: 100

- Limited time and financial resources available for students for canvassing for the drive.
- Limited sustained manpower

Resources required:

- Effective set up to impart and educate the youth about various sustainability challenges.
- Trained professionals for guiding the students
- Funds to take up the drive more often and on different locations to deal with this burning environmental issue.

