



**Vidya Prasarak Mandal's**  
**B.N.BANDODKAR COLLEGE OF SCIENCE, THANE**

**NAAC Reaccredited 'A' Third Cycle**

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


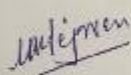

**FIST 'O' Level Grant, 2012**

**DBT Star College Scheme, 2015-16**

**College for Potential Excellence, 2016-17**

**Annual Quality Assurance Report (AQAR)**

**For the Year 2017-18**

	Vidya Prasarak Mandal's	Tel. No. : 022-2533 6507 Fax : 022-2533 7672
<b>B. N. BANDODKAR COLLEGE OF SCIENCE</b>		
'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
<b>DR. (MRS.) M. K. PEJAVER</b> M. Sc., D.H.E., Ph. D.		Website : <a href="http://www.vpmthane.org">http://www.vpmthane.org</a> Email : <a href="mailto:prinbnb@vpmthane.org">prinbnb@vpmthane.org</a> <a href="mailto:bab@vpmthane.org">bab@vpmthane.org</a>
Principal Reader, Head Dept. of Zoology		Ref. No. BSC / 1199 Date: 03/09/2018
<p style="text-align: center;">To,</p> <p style="text-align: center;">The Director,</p> <p style="text-align: center;">National Assessment and Accreditation Council,</p> <p style="text-align: center;">Bangalore.</p> <p style="text-align: center;">Subject: Submission of AQAR for the year 2017-18 by email.</p> <p style="text-align: center;">Sir,</p> <p style="text-align: center;">We are enclosing herewith AQAR for the year 2017-18 with track ID MHCOGN 10460</p> <p style="text-align: center;">Kindly acknowledge.</p> <p style="text-align: center;">Thanking you.</p> <p style="text-align: center;">Yours Truly,</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"> Principal,</div><div style="text-align: center;"></div></div> <p style="text-align: center;">VPM's B. N. Bandodkar College of Science, Thane, Maharashtra.</p>		

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## 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](mailto: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](mailto:asgoswamigiri@vpmthane.org) ;  
[iqacbnb@vpmthane.org](mailto:iqacbnb@vpmthane.org)
- 1.3** NAAC Track ID MH CO GN 10460
- 1.4** NAAC Executive Committee EC/SC/10/A & A/5.3 dated 15<sup>th</sup> 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 <sup>st</sup> Cycle	B++	82.5	2003	15 <sup>th</sup> Sept 2008
2	2 <sup>nd</sup> Cycle	A	3.04	2010	27 <sup>th</sup> March 2015
3	3 <sup>rd</sup> Cycle	A	3.21	2015	14 <sup>th</sup> November 2020

- 1.7** Date of Establishment of IQAC (DD/MM/YYYY) 14/01/2004
- 1.8** AQAR for the year 2017-18
- 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  
AQAR-2016-17 dated 28.09.2017

**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

N. A.

UG C-CPE

YES

DBT Star Scheme

Yes

UGC-CE

No

UGC-Special Assistance Programme

No

DST-FIST

“O” Level

UGC-Innovative PG programmes

No

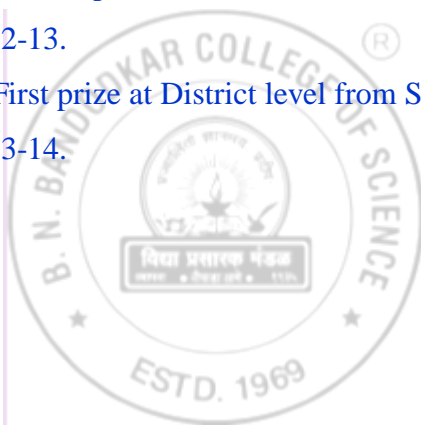
UGC-COP Programmes

No

Any other (Specify)

Yes

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**

<b>2.1</b>	No. of Teachers	<b>07+ 1 (Principal)</b>
<b>2.2</b>	No. of Administrative/Technical staff	<b>07</b>
<b>2.3</b>	No. of students	<b>01</b>
<b>2.4</b>	No. of Management representatives	<b>01</b>
<b>2.5</b>	No. of Alumni	<b>03</b>
<b>2.6</b>	No. of any other stakeholder and community representatives	<b>01</b>
<b>2.7</b>	No. of Employers/ Industrialists	<b>02</b>
<b>2.8</b>	No. of other External Experts	<b>01</b>
<b>2.9</b>	Total No. of members	<b>24</b>
<b>2.10</b>	No. of IQAC meetings held	<b>12</b>
<b>2.11</b>	No. of meetings with various stakeholders :	<b>02</b>
<b>2.12</b>	Has IQAC received any funding from UGC during the year? If yes, mention the amount	<b>No</b>

**2.13 Seminars and Conferences (only quality related)**

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  Date

Institution Level ☒

(ii) Themes :

- i) Work shop on “BNB Edu Tech” for all teaching staff from 18/11/2017 to 26/11/2017
- ii) Work shop/induction program on New NAAC Guideline
  - Orientation for all Nonteaching staff on 6th April 2018.
  - Brain storming session for all teaching staff on 8<sup>th</sup> Nov 2017.

**2.14 Significant Activities and contributions made by IQAC:**

- i) Implemented modified format for examination bill Remuneration.
- ii) Submitted utilization certificate and report of grant received under XII plan vide letter no F76-0424/14 (WRO) (for the year of 2012-13, 2013-14, 2014-15, 2015-16, 2016-17) on 9<sup>th</sup> January 2018.
- iii) Academic Internal Audit 16<sup>th</sup> April 2018
- iv) Administrative audit report for the year 2017 – 2018 on 23<sup>rd</sup> of April 2018
- v) Academic External Audit 24<sup>th</sup> April 2018
- vi) Reform in Dept profiles and audit forms
- vii) Reforms feedback form for students , parents and ex-employee
- viii) Enhanced Publicity of activity in print media
- ix) Updated College prospectus.
- x) Applied for DBT Star for 3 depts.- ( Biochemistry , Biotechnology & Microbiology ,

**xi) Applied for RUSA.2**

**I. Workshops and Seminars**

- i) Workshop on “Paperless Office The need of an Hour & Document Control & Record Management”
- ii) Conducted workshop by IT dept on MOOC

**II. Strengthening Data collection**

- i) Orientation of Departmental non-teaching staff.
- ii) Collection of data to calculate student's satisfaction index 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) Regular Life skills sessions for T.Y. B.Sc. Students by the Counsellor.
- iii) Research Scholar programme for UG students continued.
- iv) Conducting various activities under “Jagar Janivancha” campaign started by Govt. of Maharashtra.
- v) 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 2017-18 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 strengthen research activity and increase the no of publications in reputed journals.
- ii) To improve Mathematics and physics results.
- iii) Preparing students for Olympiad.



## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes -2017-18

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	--
<b>Interdisciplinary</b>			02	
P.G. Diploma	--	--	--	
Certificate	--	--	--	22
Others	-	--	--	--
<b>Total</b>	<b>29</b>	<b>--</b>	<b>15</b>	<b>22</b>

##### 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* ☒

##### 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects – **Implemented as per University guideline for S.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	28	13	13	1	1(lib)
Unaided	3	3	-	-	-

**2.2 No. of Permanent faculty with Ph.D.: 15****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	-	19	-	-	-	-	-	-	-	19
Unaided	55	-	-	-	-	-	-	-	55	-

**2.4 No. of Guest and Visiting faculty and Temporary faculty**

Guest faculty : 08 Visiting faculty : 34

Temporary faculty working in Aided courses : 23

Temporary faculty Un-Aided courses : 32

**2.5 Faculty participation in conferences and symposia:**

No. of Faculty	International level	National level	State level	Others
Attended Seminars/ Workshops	62	06	04	31
Presented papers	23	02	02	00
Resource Persons	00	00	00	24

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

Audio-Visual aids , Group discussions, Experimental demo, Debates and discussion, Field visit, Use of Chem draw software, Seminars by students, Origami, Question and answer sessions, Trials and visit, Extra class test, Doubt solving, Study material distribution and notification through Social messenger group , Sky observation, Research paper review , Question bank, PPT by students and Web support innovative processes adopted by the institution in Teaching and Learning

**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 - **Three staff members are member of syllabus committee**
- 2.10 Average percentage of attendance of students - **78%**
- 2.11 Course/Programme wise distribution of pass percentage **University of Mumbai**  
**Title of the Programme: B.Sc.**

GRADE	O	A	B	C	D	F	AB	TOTAL PASS	TOTAL APPEARED	COPY CASE	Passing Percentage
BIOCHEM	1	8	6	2	-	-	-	17	17	-	100.00
BIOTECH	6	22	6	3	1	9	-	38	42	-	90.48
BOTANY	5	10	2	-	-	-	-	17	17	-	100.00
CHEMISTRY	4	31	28	3	1	18	-	67	85	-	78.82
COMPUTER SCI.	0	8	9	12	-	13	-	29	42	-	69.05
HUMAN SCIENCE	-	1	5	-	-	-	-	6	6	-	100.00
MATHS	2	11	6	1	-	10	-	20	31	1	64.52
MICROBIOLOGY	2	7	7	6	1	4	-	23	27	-	85.19
PHYSICS	5	8	7	2	1	19	-	23	42	-	54.76
STATS	7	15	6	5	1	6	-	34	40	-	85.00
ZOOLOGY	3	14	18	4	-	-	-	39	39	-	100.00
IT	12	57	20	6	-	18	1	95	113		84.07
TOTAL	47	192	120	44	5	97	1	408	501	1	81.44
Total Pass Percentage	11.63	47.52	29.70	10.89	1.24	24.01	0.25				
Total Appeared Percentage	9.38	38.32	23.95	8.78	1.00	19.36	0.20	81.44			

Title of the Programme: **(M.Sc. result awaited)**

Grade	O	A	B	C	D	E	F	Total Pass	Total Appeared	Passing Percentage
Biodiversity & wild Life										
Chemistry										
Environmental Science										
Information Technology										
Physics										
Life conservation and management										
<b>Total</b>										

**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.	
Others: Five days Workshop on “BNB Edu Tech” for teaching and non-teaching staff to create Google forms, Movie making, Ubuntu, Libre Office, Computer troubleshooting, D-space, MOOC and Use of Smart Board.	61

**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	21	09	-	16
Technical Staff	49	21	-	24

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

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

- i) Yearly organization of International Conference since 2015.
- ii) Inspiring the faculty members and students to participate/present paper at National and International level.
- iii) Promote faculty to apply Minor and Major Research Projects.
- iv) Promote faculty for consultancy.
- v) Implement the idea of research in students through Mini research project.
- vi) Opportunities given to staff and students for Research publication in online journal J-BNB
- vii) Motivate UG students to participate in Research Scholar programme, Science Square Projects and DBT STAR College Scheme Project.
- viii) Creation of research aptitude by – 1) celebrating National Science Day, 2) arranging popular lectures.
- ix) Organised talk on Patent Technology.
- x) College- School complex laboratory visit for inculcation of research aptitude among school level student in and around Thane city.

**3.2 Details regarding major projects**

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

**3.3 Details regarding minor projects**

	Completed	Ongoing	Sanctioned	Submitted
Number	01	04	-	-
Outlay in Rs. Lakhs	2,93,000/-	2,29,000/-	-	-

**3.4 Details on research publications.**

	International	National	Others
Peer Review Journals	10	03	-
Non-Peer Review Journals	Nil	Nil	-
e-Journals	-	09	-
Conference proceedings	19	-	-

**3.5 Details on Impact factor of publications.**

Range	Average	h-index	Nos. in SCOPUS
3.7-5.2	4.62	1-12	-

**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	-	-	-	-
Minor Projects	1	University of Mumbai	2,29,000/-	91,600/-
DBT STAR	1	DBT	8,00,000/-	Awaited
CPE		DST	1,00,00,000/-	Awaited
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	01	DBT STAR	5,000/-	5,000/-
Any other(Specify)	01	Science Square Project	As per requirement	-
	01	Research Scholar Program	As per requirement	-
<b>Total</b>			<b>1,10,34,000/-</b>	<b>96,600/-</b>

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

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

- 3.9 For colleges**  
 Autonomy ☐ CPE ☒ DBT Star Scheme ☒  
 INSPIRE ☐ DST-FIST ☒ Any Other (specify) ☐

- 3.10 Revenue generated through consultancy : Rs.18,000/-**

- 3.11 No. of Conferences organized by the Institution**

Level	International	National	State	University
Number	01	Nil	Nil	-
Sponsoring agencies	CSIR, New Delhi	-	-	-

- 3.12 No. of faculty served as experts, chairpersons or resource persons:**  
 As expert : **11** As Chairperson: **11** As resource person : **27**

**3.13 No. of collaborations**

International  National  Any other

**3.14 No. of linkages created during this year – 07****3.15 Total budget for research for current year in lakhs :**

From Funding agency : 5,000/- University of Mumbai : 2,29,000/-  
 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	01
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialized	Applied	Nil
	Granted	Nil

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

Total	International	National	State	University	Dist	College
06	04	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  National level  State level

International level  COLLEGE :

**3.22 No. of students participated in NCC events:**

University level  State level

National level  International level

College level :

**3.23 No. of Awards won in NSS:**University level  State level  National level International level-  College level **3.24 No. of Awards won in NCC**University level  State level  National level International level  College level **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) Start-up skills and entrepreneurship skills development through research oriented activities.
- ii) Environment awareness camps
- iii) Women empowerment programmes such as 'Self Defence for Girl Students' and 'P.C.O.D.' were arranged through IQAC and WDC.
- iv) Tree plantations programmes were arranged through NSS, NCC and DBT STAR College scheme.
- v) Blood donation camp through NSS/NCC.
- vi) Note Book and Clothes donation camps through NSS for Adivasi School Children.
- vii) NSS Residential Camp at Vikramgad, Maan Ashram Shala, Palghar District from 26<sup>th</sup> Dec 2017 to 1<sup>st</sup> Jan. 2018.
- viii) Gender Sensitization and social awareness programmes through Jaagar janivancha
- ix) Orientations of the woman legal right through WDC and DLLE
- x) Various value added workshops conducted through departmental club.
- xi) 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 ( $\geq$ 1-0 lakh) during the current year.		-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)		2,72,312/-	College	2,72,312/-

**4.2 Computerization of administration and library;**

- Regular functioning of library in Open Source Koha Software.
- Digital Repository is updated frequently.
- Continued the practice of Communication via e-mail and Social media.
- Regular functioning of Administration office in FA Pay Roll and student's database.

**4.3 Library services:**

	Existing		Newly added		Total	
	No.	Value in Rs.	No.	Value in Rs.	No.	Value in Rs.
Text Books	6037	551973	205	29050	6242	581023
Reference Books	23062	8064659	666	498894	23728	8563553
e-Books	135809 from N-List	Paid By Mgmt	-	-	135809 from N-List	Paid By Mgmt
Journals	43	59900	-	-	42	59900
e-Journals	6000+ from N-List	Paid By Mgmt			6000+ from N-List	Paid By Mgmt
Digital Database	4	Paid By Mgmt			4	Paid By Mgmt
CD & Video	584		10	-	594	-
Others (specify)	-	-	-	-	-	-

**4.4 Technology up gradation (overall)**

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others Laptops/ Projectors/public announcement system
Existing	232	06	50 mbps	All pcs in all departments, Library, Admin office	07	01	13	13
Added			-	-		-	-	2 / 6 / 1
Total	232	06	50 mbps		07	01	13	15 / 6 / 1

\* Public announcement system is installed with portals in all laboratories and corridors.

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

- i) Five days Workshop on “BNB Edu Tech” for teaching and non-teaching staff to create Google forms, Movie making, Ubuntu, Libre Office, Computer troubleshooting, D-space, MOOC and Use of Smart Board.
- ii) Orientation lectures on “How to access online Databases” for students.

**4.6 Amount spent on maintenance in lakhs**

- i) ICT : Rs 5,68,419/-
- ii) Campus Infrastructure and facilities: Rs. 18,72,285/-
- iii) Equipments : Rs.77,454/-
- 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 about all student support services.
- ii) Orientation session by examination committee to students for about rules and regulations of examinations
- iii) Orientation by librarian for facilities available for the students.
- iv) Unified Placement Cell.

**5.2 Efforts made by the institution for tracking the progression**

- i) External audit was conducted for all departments by external members.
- ii) Internal Audit of individual departments was conducted for the academic and infrastructural growth.
- iii) Internal Audit of NSS, NCC, DLLE, Cultural, WDC, Gymkhana committees were carried out.
- iv) Audit of Examination, Research, Science square and School college complex committee were carried out.
- v) Audit of Administration in the office was also carried out.
- vi) Meetings with HODs and in charge of departments were conducted frequently.
- vii) Meetings with Committee Co-coordinators were conducted frequently.
- viii) Online Feedback Data was collected from Third Year B.Sc. students to calculate “Student Satisfaction Index”
- ix) Parent Teacher meeting conducted in each individual department per semester.
- x) Feedback through Alumni Meeting
- xi) Use of social Media

**5.3 (a) Total Number of students**

UG	PG	Ph. D.	PG Diploma	Total
1715	121	32	60	1928

(b) No. of students outside the state 

14
----

(c) No. of international students 

NIL
-----

Men

No	%
790	36.42%

Women

No	%
1379	63.58%

**Enrolment under University of Mumbai**

Year	General	SC	ST	DT/NT/VJ	OBC/SBC	Physically Challenged	Total
2016-2017	795	195	69	105	648	-	1812
2017 - 2018	1120	189	76	102	441	-	1928

Demand ratio (no. of applications/no. of seats)      Drop out ratio  
 F.Y. B.Sc. (aided) : 4.80      F.Y. B.Sc. (unaided) : 2.47      < 0.5  
 F.Y. I.T. : 18.37

**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 organized workshop on Preparation for NET/SET examinations.
- iii) Provided book facility for different examinations like NET/ SET/ GATE/ GMAT/ CSAT.
- iv) Conducted preparatory sessions for competitive examinations.

**No. of students beneficiaries:** 59

**5.5 No. of students qualified in these examinations**

NET --      SET/SLET 01      GATE 01      CAT --  
 IAS/IPS etc --      State PSC --      UPSC --      Others 09

**5.6 Details of student counselling and career guidance**

Throughout the 2017-18 year, various issues of students were council such as time management, problem in balancing between class and college study, difficulty in recalling the learnt material and parental pressure to study harder. Many of them also came to discuss career related plans and appropriate balance between study for college examinations and study for competitive & entrance examinations.

- Various time management techniques and study skills were discussed with them. Different career options, professions, and preparation (academic, physical, mental & financial) required for the same were discussed with those who came with career related dilemmas.
- Some of the students came with emotional disturbance. They were helped to identify the specific source of stress and exactly how it has been affecting their physical & mental health. Different coping mechanisms were discussed with them e.g. to minimize our distress by modifying our thought, emotions & behaviour and to find practical & realistic solutions to the problems.
- Life skills sessions were conducted for T.Y.B.Sc students. Brief introductory

VPM's B.N. Bandodkar College of Science, Thane(w)-1 sessions were conducted to create awareness about 'the Counselling and counselling cell in the College'. The nature of 'Counselling' and functioning of the 'College Counselling Cell' were explained to the students.

- The posters of motivational quotes have been changed monthly. Articles have been put up on the Counselling Cell Notice Boards.

No. of students benefitted: **21**

#### 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
<b>05</b>	<b>411</b>	<b>143</b>	<b>28</b>

#### 5.8 Details of gender sensitization programmes.

- Gender Sensitization programmes were organized through NSS.
- Lecture on empowerment of women was organized 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.	Workshop on Self-defense	Mr. Sagar Kudtarkar, Mr. Siddhesh Shelke and Ms. Priyanka Bhahadkar from Combat Martial Arts Academy	4 <sup>th</sup> September 2017 at 10.30 am at Patanjali Auditorium	Talk and demo self-defence	Teaching and Non-teaching staff-12 Students-175
2.	Lecture on PCOS	Mrs. Dhumbre	10 <sup>th</sup> March 2018 at 12.30 p.m. at Patanjali Auditorium	Talk on Health awareness in girl students and PCOS	Teaching and Non-teaching staff-07 Students-25
3.	World AIDS Day	NSS	1 <sup>st</sup> Dec, 2017	Rally was organized by Civil Hospital	Around 80 volunteers were actively involved in rally.

**5.9 Students Activities**

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

State/ University level **125** National level **01** International level **00**

No. of students participated in cultural events

State/ University level  National level  International level 

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

**Sports** : State/University level  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	<b>2</b>	<b>10,000</b>
Financial support from government	<b>322</b>	<b>39,78,591</b>
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

**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:- 15**

E-waste collection Drive.	Traffic Awareness Program
Old clothes collection drive	Gandhi Saptah.
Cleanliness drive	Police marathon.
Blood Donors Brigade "Red Brigade"	Celebrating Yuva Day.
Blood Donation Drive	Tree Plantation
Collection & distribution of clothes, school stationery and grocery to students of Maan Ashramshala.	Selling Rakhis to support mentally and physically challenged
World Anti toxic Day.	Volunteering to help in Ganapati Visarjan from the locality.
Raksha bandhan Day was celebrated by tying Rakhis to trees and TMT workers	Raksha bandhan our volunteers sent Rakhi with message to soldiers

**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) Conducted 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 etc.
- 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



#### **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) Celebration National Science Day on 28<sup>th</sup> Feb annually.
- xiv) 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) College campus under CC TV observation
- iv) Two security gates & under observation of security guards.
- v) ICT used efficiently and effectively for the Library automation.
- vi) Provision made for staff and students to get acquainted with library databases.
- vii) Addition of study material in digital repository.
- viii) Addition of Basic instruments through DBT Star Scheme.
- ix) Interdepartmental sharing of instruments and facilities.
- x) Regular maintenance of College Katta, A.C. laboratories, Botanical /Medicinal garden, Butterfly Garden etc..
- xi) Computers added through Star College Scheme.
- xii) VPMs Intercollegiate Library Facility available for staff members.
- xiii) Photo copy centre, Canteen, and PCOs facilities provided by management.



xiv) Solar energy charging points made available for teachers.

xv) 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.

viii) Management emphasizes with shared control orientation and delegation of power and responsibility.

#### **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

##### Common facilities for Teaching and Non-Teaching staff-

- Duty leave given to attend seminar/ conferences/ workshops/
- Two security gates & under observation of security guards.
- Continued teaching staff and nonteaching staff felicitation on his retirement
- Free Yoga classes.
- RO water facility available
- Medical health camp
- VPM's Employees' Co-op. Credit Society.
- Awareness lectures for physical & mental health and wealth
- Annual magazine 'Sanyuja' published by BNB. Serves as platform for expressing hidden literary talents of students and staff from 1976.
- VPM publishes monthly magazine 'Disha' which serves as a platform for sharing expressions of management and VPM staff from 1996.
- Counseling services
- International / National level winner also get felicitated (Teaching, Nonteaching, Students)

<b>Teaching</b>	<ul style="list-style-type: none"> <li>• FIP program</li> <li>• Salary is paid by the management for newly recruited staff till government's approval is received.</li> </ul>
<b>Non teaching</b>	<ul style="list-style-type: none"> <li>• Interest free Festival advance is given.</li> <li>• Uniform is given for unaided class IV employees.</li> <li>• Gum boots and rain coats are given to watchmen.</li> <li>• Gum boots and hand gloves are given to sweeper.</li> <li>• The non-teaching staffs of the chemistry department are provided with gloves and safety goggles.</li> <li>• Awareness lectures for physical &amp; mental health and wealth</li> </ul>
<b>Students</b>	<ul style="list-style-type: none"> <li>• Facility to pay the fees in instalments</li> <li>• Group Insurance,</li> <li>• Book bank facility,</li> <li>• TA/ DA are paid to the students for participation in extracurricular activities.</li> <li>• Earn-Learn scheme for needy students.</li> <li>• Free Yoga classes.</li> </ul>

	<ul style="list-style-type: none"> <li>• Facility to attend workshops &amp; conferences organized by College.</li> <li>• RO water facility available.</li> <li>• Concessions in travelling.</li> <li>• Well equipped ladies room.</li> <li>• Counseling and mentoring services.</li> <li>• International / National level winner also get felicitated</li> </ul>
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6.5 Total corpus fund Generated fees collection: **Rs 3,26,72,505/-**  
 Aided sections **Rs. 45,54,080/-** Unaided – **Rs 2,81,18,425/-**

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	By external members	Yes	IQAC
Administrative	Yes	By external Member	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

- In whole year total 9 Alumni meeting were conducted.
- Lectures by few alumni members were conducted for guiding present students.
- Constitution of Anubandh Alumni association was formed.

6.12 Activities and support from the Parent- Teacher Association:

- To get timely feedback from parents, Open door policies were maintained.
- Regular meetings were planned under mentor system for the students and feedback given to the parents.
- Parents meeting held per semester for BSc students.
- Parents meetings for defaulter students is organized which is addressed by Principal, Vice –Principal.

6.13 Development programmes for support staff:

- Orientation lecture
- Workshop on- Computer literacy , Documentation, Skills and Value developments ,Leave and PF” for all staff , “Laboratory Safety” for our laboratory staff etc
- Organized “Intellectual Mind Lecture” by Mr. Sung Hwan Kim

**iv) 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) 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) Work shop on “BNB Edu Tech” for all teaching staff from 18th Nov. to 25th Nov. 2017.
- ii) Tetra-pack collection system under segregated waste disposal .

**7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year. --- Details given in Annexure ii  
Major actions taken is as follows -**

- i) Alumni association ‘Anubandh’ was constituted and its registration is in process. Meetings were planned and hosted.
- ii) Two days Multidisciplinary International Conference titled “green earth a panoramic view” was hosted by department of Botany. It was held on 12-13 January 2018. Two preconference workshops and a logo competition were also hosted.
- iii) Internal and external audits were conducted by IQAC for all departments and committees.
- iv) For the first time, an administrative audit and a capacity building workshop for administrative office staff was conducted by IQAC.
- v) Number of certificate courses was organized by various departments.
- vi) Campus interviews were organized through unified Placement cell by management.
- vii) Environmental awareness lecture series was conducted with ‘Hope’ and Rotary club of Thane, by department of zoology and environmental science.
- viii) E- waste collection drive -3 was successfully organized
- ix) Old clothes collection drive was successfully conducted and generated fund was donated
- x) Projects were undertaken by various departmental faculties to find the solutions for various environmental problems. One of these projects was qualified for Zonal level at NZ TERI competition, and one project won and selected for district level at AVISHKAAR research convention.
- xi) Activities like Cultural, Sports, Literary association, NSS, NCC; Departmental clubs, WDC, DLLE, Jagar Janivantha were conducted as per schedule.
- xii) Seventh volume of e-JBNB was published.
- xiii) Workshop for all teaching staff for Mentor system On 5<sup>th</sup> April 2018.
- xiv) Department wise planning and execution of activities were analyzed by IQAC at the

xv) The following activities were continued 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

7.3 Give two Best Practices of the institution.

- i) Administrative audit and capacity building workshop for administrative staff.--  
**Annexure iv- a**
- ii) BNB Edu Tech – a five days workshop series for teaching faculties -  
**Annexure iv b**

7.4 Contribution to environmental awareness / protection.

- i. Students of department of Botany set up Botanical garden / medicinal plant garden.
- ii. Continuation of the tree plantation in the campus by invited renowned personalities.
- 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.
- viii. In addition to solid waste management tetra-pack collection system was implemented under waste segregation.
- ix. Measures were taken for energy conservation by Successive replacement of non working bulbs and tube lights with LED lights.

7.5 Whether environmental audit was conducted? **Yes.**

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

<b>STRENGTH</b>	
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 nearby schools-college students.
Strategic location with good academic infrastructure and ambience	Students are sensitised about the needs of society and our Goal of achieving the vision and mission 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	
<b>WEAKNESS</b>	
Limited role permitted in syllabus framing Space constraint	First generation learners, limitations in creating awareness for implementing value added courses.
<b>OPPORTUNITIES</b>	
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.	
<b>CHALLENGES</b>	
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 symposium 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 Zoology.
- 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 on research proposal grants through various agencies.



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

- 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. D.L.E 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

VPM's B. N. Bandodkar College of Science, Thane																							
Calendar for Academic year 2017 – 2018 / Saur Shake 1939 – 1940 First Term : ( 5 <sup>th</sup> June – 16 <sup>th</sup> October 2017)												Second Term : ( 09 <sup>th</sup> Nov2017 – 30 <sup>th</sup> April 2018 )											
JUNE - Jeshtha /Ashadh (Shake1939)						JULY - Ashadh / Shravan (Shake 1939)						AUGUST - Shravan/ Bhadrapad (Shake 1939)						SEPTEMBER-Bhadrapad /Ashwin (Shake1939)					
SUN		4	11	18	25	SUN	30	2	9	16	23	SUN		6	13	20	27	SUN		3	10	17	24
MON		5	12	19	26	MON	31	3	10	17	24	MON		7	14	21	28	MON		4	11	18	25
TUE		6	13	20	27	TUE		4	11	18	25	TUE	1	8	15	22	29	TUE		5	12	19	26
WED		7	14	21	28	WED		5	12	19	26	WED	2	9	16	23	30	WED		6	13	20	27
THU	1	8	15	22	29	THU		6	13	20	27	THU	3	10	17	24	31	THU		7	14	21	28
FRI	2	9	16	23	30	FRI		7	14	21	28	FRI	4	11	18	25		FRI	1	8	15	22	29
SAT	3	10	17	24		SAT	1	8	15	22	29	SAT	5	12	19	26		SAT	2	9	16	23	30
1 <sup>st</sup> WEEK						1 <sup>st</sup> WEEK						1 <sup>st</sup> WEEK						1 <sup>st</sup> WEEK					
SUMMER VACATION						• IQAC & QAC meeting • 2 <sup>nd</sup> and 4 <sup>th</sup> sem additional exam result • WDC activity						• Research committee meeting • Botany club and Chemistry club activity • Trekking activity - Hiking • College school Complex activity • Student's council meeting • Internal exam (T.Y.B.Sc and M.Sc)						IQAC & QAC meeting 1 <sup>st</sup> Sem and 3 <sup>rd</sup> Sem. exam. and V <sup>th</sup> Sem practical exam • WDC activity					
2 <sup>nd</sup> WEEK						2 <sup>nd</sup> WEEK						2 <sup>nd</sup> WEEK						2 <sup>nd</sup> WEEK					
• 05/06/17 Degree College reopens • Principal's inaugural lecture for S.Y.B.Sc. and T.Y.B.Sc - 05/06/17) • S.Y.B.Sc. and T.Y.B.Sc. lectures begins • 10 <sup>th</sup> June Colloquium – Biotech dept						• F.Y.J.C. Lectures begins • Principal's inaugural lecture (Jr College 11 <sup>th</sup> Std) • 08 <sup>th</sup> July Colloquium – Micro dept						• Poetry, story writing, recitation competition • Singing competition- cultural programme • F.Y.J.C 1 <sup>st</sup> Tutorial • ATKT exam (I Sem, II Sem, III Sem , IV Sem) • 12 <sup>th</sup> August Colloquium – EVS dept						• I Sem, III Sem and V Sem practical exam • Debate and Elocution competition • 09 <sup>th</sup> September Colloquium – Human Science /ID • College School Complex activity					
3 <sup>rd</sup> WEEK						3 <sup>rd</sup> WEEK						3 <sup>rd</sup> WEEK						3 <sup>rd</sup> WEEK					
• 15/06/17- Junior college reopens • S.Y.J.C. lectures begin • Principal HOD meeting - (S.Y.B.Sc. & T.Y.B.Sc practical batches)						• Principal-HOD meeting - (F.Y.practical batches) • Biotech-micro club activity • Parents meeting (F.Y. J.C./ S.Y.J.C) • CERTIFICATE COURSE IN YOGA ( 2 <sup>nd</sup> ) • 10 <sup>TH</sup> JULY- 1 <sup>ST</sup> WORKSHOP INTERNATIONAL CONFERENCE						• Principal-HOD-meeting • Physics and IT club activity • –ATKT Practicals • Parents meeting of F.Y.J.C. • Class test( 1 <sup>st</sup> Sem -F.Y.B.Sc.& 3 <sup>rd</sup> Sem- S.Y.B.Sc and V <sup>th</sup> Sem,T.Y.B.Sc						• Principal-HOD meeting • Library committee meeting • cultural programme					
4 <sup>th</sup> WEEK						4 <sup>th</sup> WEEK						4 <sup>th</sup> WEEK						4 <sup>th</sup> WEEK					
• Principal's inaugural lecture for F.Y.B.Sc. • CERTIFICATE COURSE IN YOGA ( 1 <sup>ST</sup> ) • Cultural, Magazine, Gymkhana, Literary committees student's interviews for secretary • NSS – Activity						• Maths – Stats club activity • Department-wise parents meeting (T.Y.B.Sc) • Mentor –distribution of students • NSS – Activity • First cultural inaugural programme						• Excursions(Botany/Zoology)  25 <sup>th</sup> -29 <sup>th</sup> - MID-TERM BREAK						• F.Y.B.Sc parent's meeting • submission of Internal Assessment Marklist (1st Sem.- 3 <sup>rd</sup> Sem. and V <sup>th</sup> Sem • Parents meeting (Defaulter students F.Y./ S.Y. J. C. • NSS – Activity					
5 <sup>th</sup> WEEK						5 <sup>th</sup> WEEK						5 <sup>th</sup> WEEK						5 <sup>th</sup> WEEK					
• NCC: 1 <sup>st</sup> year cadet selection • Additional Exam (practical) 2 <sup>nd</sup> and 4 <sup>th</sup> sem • Star College Scheme Activity						• Zoology club activity • Essay competition • Library committee meeting • NCC – Activity • Star College Scheme Activity						• Past students- Principal meeting • NCC – Activity • NSS – Activity • Star College Scheme Activity						• NSS Foundation Day • NCC – Activity • Star College Scheme Activity					
Teaching days - 22 26 <sup>th</sup> June - Ramzan Id 26 <sup>th</sup> June LIBRARY–Book exhibition and information display – Chatrapati Shahu Maharaj Jayanti						Teaching days - 26 23 <sup>rd</sup> July LIBRARY–Book exhibition and information display – Lokmanya Tilak Jayanti						Teaching days - 21 7 <sup>th</sup> Aug - Bhaubeej 15 <sup>th</sup> Aug -Independence day, 17 <sup>th</sup> Aug - Parsi new year, 25 <sup>th</sup> Aug - Ganesh Chaturthi						Teaching days - 23 2 <sup>nd</sup> Sept - Bakri idd 30 <sup>th</sup> Sept - Dusserra					
EVERY SATURDAY (10:30 – 11:30 A.M.) – ALUMNI -ANUBANDH/PROFESSIONALS GUIDANCE TO T.Y.B.SC. STUDENTS																							

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OCTOBER Ashwin/Kartik (Shake 1939)						NOVEMBER Kartik/Margashirsh (Shake 1939)						DECEMBER Margashirsh /Poush (Shake 1939)						JANUARY Poush/ Magh (Shake 1939)											
SUN	1	8	15	22	29	SUN		5	12	19	26	SUN	31	3	10	17	24	SUN		7	14	21	28						
MON	2	9	16	23	30	MON		6	13	20	27	MON		4	11	18	25	MON	1	8	15	22	29						
TUE	3	10	17	24	31	TUE		7	14	21	28	TUE		5	12	19	26	TUE	2	9	16	23	30						
WED	4	11	18	25		WED	1	8	15	22	29	WED		6	13	20	27	WED	3	10	17	24	31						
THU	5	12	19	26		THU	2	9	16	23	30	THU		7	14	21	28	THU	4	11	18	25							
FRI	6	13	20	27		FRI	3	10	17	24		FRI	1	8	15	22	29	FRI	5	12	19	26							
SAT	7	14	21	28		SAT	4	11	18	25		SAT	2	9	16	23	30	SAT	6	13	20	27							
1 <sup>st</sup> WEEK						1 <sup>st</sup> WEEK						1 <sup>st</sup> WEEK						1 <sup>st</sup> WEEK											
<ul style="list-style-type: none"><li>Research committee meeting</li><li>1<sup>st</sup> Sem F.Y.B.Sc and 3<sup>rd</sup>Sem (S.Y.B.Sc) theory exam.</li><li>( 1<sup>st</sup> Oct onward ) Vth Sem University Practical exam, T.Y.B.Sc Applied Component Theory and Practical exam. M.Sc theory and practical exams</li><li>WDC activity</li></ul>						<ul style="list-style-type: none"><li>1<sup>st</sup> sem and 3<sup>rd</sup> sem exam result</li></ul>						<ul style="list-style-type: none"><li>Research committee meeting</li><li>Quiz Competition</li><li>1<sup>st</sup> &amp; 3<sup>rd</sup> Dec Career Mela for Degree college students</li><li>Cultural programme</li><li>Poetry Competition</li><li>Botany club and Chemistry club activity</li></ul>						<ul style="list-style-type: none"><li>IQAC &amp; QAC meeting</li><li>Inauguration and Prize distribution ceremony</li><li>SYJC Prelim (theory)</li><li>Internal exam (T.Y.B.Sc Sem VI and M.Sc)</li></ul>											
2 <sup>nd</sup> WEEK						2 <sup>nd</sup> WEEK						2 <sup>nd</sup> WEEK						2 <sup>nd</sup> WEEK											
<ul style="list-style-type: none"><li>L.M.C.meeting</li><li>DEGREE &amp; JR COLLEGE STAFF MEETING</li><li>Student council meeting</li><li>Submission of Theory and pract. Mark list (1Sem.-F.Y.B.Sc.and 3<sup>rd</sup> sem.-S.Y.B.Sc.)</li><li>14<sup>th</sup> October Colloquium – Statistic dept</li><li>Jr. college First term Theory Exam</li></ul>						<ul style="list-style-type: none"><li>9<sup>th</sup> Nov Second term begins</li><li>11<sup>TH</sup> NOV- 2<sup>ND</sup> WORKSHOP INTERNATIONAL CONFERENCE (11<sup>th</sup> Nov Colloquium – Botany dept)</li></ul>						<ul style="list-style-type: none"><li>09<sup>th</sup> Dec Colloquium – Maths dept</li><li>Students' council meeting</li><li>Physics and IT club activity</li></ul>						<ul style="list-style-type: none"><li>2<sup>nd</sup> week Principal- HOD meeting</li><li>2<sup>nd</sup> week – ATKT exam (I Sem, II Sem, III Sem ,IV Sem)</li><li>13<sup>th</sup> January Colloquium – Biodiversity dept</li><li>College School Complex activity</li></ul>											
3 <sup>rd</sup> WEEK						3 <sup>rd</sup> WEEK						3 <sup>rd</sup> WEEK						3 <sup>rd</sup> WEEK											
Zoology and Botany - long /short excursions						<ul style="list-style-type: none"><li>Principal-HOD-meeting</li><li>Biotech-micro club activity</li><li>CERTIFICATE COURSE IN YOGA ( 3<sup>rd</sup>)</li><li>Star College Scheme Activity</li></ul>						<ul style="list-style-type: none"><li>Principal-HOD-meeting</li><li>WDC activity</li><li>Star College Scheme Activity</li></ul>						<ul style="list-style-type: none"><li>Principal-HOD-meeting</li><li>3<sup>rd</sup> week class test of 2<sup>nd</sup> Sem.-F.Y.B.Sc&amp;4<sup>th</sup> Sem.- S.Y.B.Sc. and VI sem ( T.Y.B.Sc.)</li><li>3<sup>rd</sup> week SYJC Prelim (practical)</li><li>12<sup>TH</sup> &amp; 13<sup>TH</sup> JAN – INTERNATIONAL CONFERENCE</li></ul>											
4 <sup>th</sup> WEEK						4 <sup>th</sup> WEEK						4 <sup>th</sup> WEEK						4 <sup>th</sup> WEEK											
						<ul style="list-style-type: none"><li>Parents' Meeting (Defaulters)</li><li>Maths and Stats club activity.</li></ul>						<ul style="list-style-type: none"><li>NSS - Activity</li><li>21-22-23 Dec - Sports Day, Annual / Social Days (Non –Instructional/Teaching days)</li></ul>						<ul style="list-style-type: none"><li>NSS – Activity</li><li>Star College Scheme Activity</li></ul>											
5 <sup>th</sup> WEEK						5 <sup>th</sup> WEEK						5 <sup>th</sup> WEEK						5 <sup>th</sup> WEEK											
17 <sup>TH</sup> OCT – 08 <sup>TH</sup> NOV VACATION						<ul style="list-style-type: none"><li>Cultural programme</li><li>Zoology club activity</li><li>Results - 1Sem.-F.Y.B.Sc.and 3<sup>rd</sup> sem.-S.Y.B.Sc.)</li><li>30 Nov. Career Mela for Jr college students</li><li>NSS - Activity</li><li>NCC - Activity</li></ul>						<ul style="list-style-type: none"><li>NCC activity</li><li>Zoology and Botany- long/short excursion</li></ul>						26 <sup>TH</sup> DEC TO 1 <sup>ST</sup> JAN – WINTER BREAK						<ul style="list-style-type: none"><li>4<sup>th</sup> week Parents' Meeting (Defaulter students)</li><li>F. Y. J. C. – Final Practical Exam</li><li>NCC - Activity</li></ul>					
Teaching Days- 12 1 <sup>st</sup> Oct - Moharam (Sunday) 2 <sup>nd</sup> Oct - Gandhi Jayanti 19 <sup>th</sup> Oct - Laxmi puja (Diwali Amavasya) 20 <sup>th</sup> Oct - Balipratipada (Diwali) 14 <sup>th</sup> Oct LIBRARY–Book exhibition and information display – APJ Abdul Kalam Birth Anniversary						Teaching Days- 18 04 <sup>th</sup> Nov - Guru Nanak Jayanti						Teaching Days – 19 01 <sup>st</sup> Dec - id e milad 25 <sup>th</sup> Dec - Christmas						Teaching Days- 25 26 <sup>th</sup> Jan - Republic Day 11 <sup>th</sup> Jan LIBRARY–Book exhibition and information display –Swami Vivekananda Jayanti											
EVERY SATURDAY (10:30 – 11:30 A.M.) – ALUMNI -ANUBANDH/PROFESSIONALS GUIDANCE TO T.Y.B.SC. STUDENTS																													

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FEBRUARY Magh /Phalgun (Shake 1939)						MARCH Phalgun/ Chaitra (Shake 1939-40)						APRIL Chaitra / Vaishakh (Shake 1940)						MAY Vaishakh /Jeshtha (Shake 1940)					
SUN		4	11	18	25	SUN		4	11	18	25	SUN	1	8	15	22	29	SUN		6	13	20	27
MON		5	12	19	26	MON		5	12	19	26	MON	2	9	16	23	30	MON		7	14	21	28
TUE		6	13	20	27	TUE		6	13	20	27	TUE	3	10	17	24		TUE	1	8	15	22	29
WED		7	14	21	28	WED		7	14	21	28	WED	4	11	18	25		WED	2	9	16	23	30
THU	1	8	15	22		THU	1	8	15	22	29	THU	5	12	19	26		THU	3	10	17	24	31
FRI	2	9	16	23		FRI	2	9	16	23	30	FRI	6	13	20	27		FRI	4	11	18	25	
SAT	3	10	17	24		SAT	3	10	17	24	31	SAT	7	14	21	28		SAT	5	12	19	26	
<b>1<sup>st</sup> WEEK</b> • Research committee meeting • WDC activity						<b>1<sup>st</sup> WEEK</b> • IQAC & QAC meeting • Theory Examination of 2 <sup>nd</sup> Sem.-F.Y.B.Sc and 4 <sup>th</sup> Sem -S.Y.B.Sc and VI Sem T.Y.B.Sc and M.Sc						<b>1<sup>st</sup> WEEK</b> •Research committee meeting • L.M.C. Meeting •College committee meeting (degree college • College committee meeting (Junior college) • M.Sc Internal and Practical exam						<b>1<sup>st</sup> WEEK</b> • 1 <sup>st</sup> May Maharashtra day celebration • Last working day for Jr. College • T.Y.B.Sc Admission					
<b>2<sup>nd</sup> WEEK</b> •10 <sup>th</sup> Feb Colloquium –Biochemistry dept						<b>2<sup>nd</sup> WEEK</b> •10 <sup>th</sup> March Colloquium – Chemistry Dept						<b>2<sup>nd</sup> WEEK</b> •14 <sup>th</sup> April Colloquium –Physics dept/Zoology Dept						<b>2<sup>nd</sup> WEEK</b> • 2 <sup>nd</sup> Sem.-F.Y.B.Sc Results					
<b>3<sup>rd</sup> WEEK</b> • Principal-HOD-meeting • Defaulters-Parents' meeting • Practical Examination of 2 <sup>nd</sup> Sem.-F.Y.B. Sc and 4 <sup>th</sup> Sem -S.Y.B.Sc • 3 <sup>rd</sup> week - Practical Examination of 2 <sup>nd</sup> Sem.-F.Y.B.Sc and 4 <sup>th</sup> Sem -S.Y.B.Sc						<b>3<sup>rd</sup> WEEK</b> • Principal-HOD-meeting						<b>3<sup>rd</sup> WEEK</b> • Principal-HOD-meeting • WDC activity • JR. AND DEGREE STAFF MEMBER'S MEETING						<b>3<sup>rd</sup> WEEK</b> • S.Y.B.Sc Admission					
<b>4<sup>th</sup> WEEK</b> • S.Y.J.C. Board Practical Exam. • S.Y.J.C. Board theory Exam. • VI Sem (T.Y.B.Sc Applied Component ) University Theory and Practical exam. • 28 <sup>th</sup> Feb - Internal Assessment Mark list submission of 2 <sup>nd</sup> Sem.-F.Y.B.Sc and 4 <sup>th</sup> Sem -S.Y.B.Sc and VI sem • Students opinion form submission (Degree college) • NSS – Activity • Star College Scheme Activity						<b>4<sup>th</sup> WEEK</b> • FYJC 2 <sup>nd</sup> Term Theory exams • 30 <sup>th</sup> march -Submission of Theory and practical Mark list 2 <sup>nd</sup> Sem.-F.Y.B.Sc and 4 <sup>th</sup> Sem -S.Y.B.Sc • NSS - Activity						<b>4<sup>th</sup> WEEK</b> • 4 <sup>th</sup> Sem -S.Y.B.Sc Results • Additional Theory & Practical Exam for 1 <sup>st</sup> Sem.- F.Y.B.Sc and 3 <sup>rd</sup> Sem -S.Y.B. Sc • Additional.Theory & Practical Exam for 2 <sup>nd</sup> Sem.- F.Y.B.Sc and 4 <sup>th</sup> Sem -S.Y.B.Sc ( In June ) • 24 <sup>th</sup> April 2013 Result of F.Y.J.C. • S.Y.J.C. Admission • NSS – Activity											
<b>5<sup>th</sup> WEEK</b> • NCC – Activity • National Science Day						<b>5<sup>th</sup> WEEK</b> •NCC – Activity •Star College Scheme Activity						<b>5<sup>th</sup> WEEK</b> •NCC – Activity											
Teaching Days – 22 14 <sup>th</sup> Feb - Mahashiv ratri 19 <sup>th</sup> Feb - Chatrapati Shivaji Maharaj Jayanti LIBRARY–Book exhibition and information display on - 26 <sup>th</sup> Feb – Swatantyaveer Sawarkar Death Anniversary 27 <sup>th</sup> Feb –Maeathi Rajbhasha Divas 28 <sup>th</sup> Feb –National Science Day						Teaching Days – Nil /24 3 <sup>rd</sup> March – Holi (second day) 18 <sup>th</sup> March – Gudi padwa 25 <sup>th</sup> March – Ram Navami (Sunday) 30 <sup>th</sup> Mar – Good friday						Teaching Days- Nil 09 <sup>th</sup> April - Mahavir Jayanti 14 <sup>th</sup> April - Ambedkar Jayanti 30 <sup>th</sup> April - End of Second Term						Teaching Days- Nil 1 <sup>st</sup> May – Maharashtra day 22 <sup>nd</sup> May – Buddha Pournima					
EVERY SATURDAY (10:30 – 11:30 A.M.) – ALUMNI -ANUBANDH/PROFESSIONALS GUIDANCE TO T.Y.B.SC. STUDENTS																							

**Annexure ii**

<b>Sr No</b>	<b>Plan of Action</b>	<b>Outcome</b>
1	To conduct Orientation lecture for Students.	<ol style="list-style-type: none"> <li>1. Orientation lecture conducted for S.Y.B.Sc &amp; T.Y.B.Sc was on 5<sup>th</sup> June 2017.</li> <li>2. Inaugural lecture conducted for F.Y.B.Sc on 6<sup>th</sup> July 2017.</li> </ol>
2	To conduct English Communication course for non teaching staff	English Speaking course for non teaching staff was organised in May 2018.
3	To conduct Research methodology course for teaching staff.	Research Methodology course for Batch II was successfully completed.
4	Orientation lecture for staff regarding examination rules.	Orientation given by exam coordinator for newly recruited Staff individually regarding examination rules.
5	Orientation lecture for students regarding examination rules.	Orientation lecture for Students regarding examination rules was conducted in the month of July.
6	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.
7	To arrange Mentor Workshop	Mentor Workshop was held on 5 <sup>th</sup> April 2018.
8	To give coaching for competitive examination	<ol style="list-style-type: none"> <li>1. Interactive Session for Competitive Exam Preparation by Department of Biotechnology &amp; Microbiology on 6<sup>th</sup> June 2017.</li> <li>2. Interactive Session for Competitive Exam Preparation by Department of Biotechnology &amp; Microbiology on 24<sup>th</sup> June 2017.</li> </ol>
9	To conduct International conference on “Green Earth : A Panaromic view” along with preparatory workshops.	<ol style="list-style-type: none"> <li>1. Pre-conference workshop for International Conference on “Green Earth : A Panaromic view” on 10<sup>th</sup> July 2017.</li> <li>2. Pre-conference Workshop for International Conference on “Green Earth : A Panaromic view” on 20-Nov 2017.</li> <li>3. International conference on ‘Green Earth : A Panaromic view’ on 12-13 Jan-18.by botany dept.</li> </ol>
10	To conduct monthly lectures under Late Dr. V.N. Bedekar Colloquium Lecture Series	<ol style="list-style-type: none"> <li>1. Late Dr. V. N. Bedekar memorial colloquium lecture: ‘Career Opportunities in Biological and Chemical Sciences’ by Dr Ajit Datar, Advisor, Shimadzu Corporation on 8<sup>th</sup> July 2017.</li> <li>2. Dr. V. N. Bedekar Colloquium lecture on “Vulnerable Species of Sea Turtle—‘Olive Ridley’s Nesting Parameter’, by Mr. Kaushik Koli was</li> </ol>

		<p>organized on Saturday, 12 th August 2017</p> <ol style="list-style-type: none"> <li>3. Dr.V.N.Bedekar Colloquium Lecture on Life Skills tools by Jessie John was organized on 9<sup>th</sup> Sept 2017.</li> <li>4. Dr.V.N.Bedekar Colloquium Lecture Statistical thinking for 21<sup>st</sup> century by Dr Tapan Khopkar was organized on 21<sup>st</sup> Sept 2017.</li> <li>5. Dr.V.N.Bedekar Colloquium Lecture on Wild Vegetables by Mr Amit Godambe was organized on 25<sup>th</sup> November 2017.</li> <li>6. Dr.V.N.Bedekar Colloquium Lecture on Why mathematics by Dr Ajit Kumar was organized on 9<sup>th</sup> December 2017.</li> <li>7. Dr. V. N. Bedekar Colloquium lecture on 'Ionizing Radiation And Human Health' by Dr. K.B.Sainis,, Shanti Swaroop Bhatnagar Awardee and distinguished scientist and professor , BARC , Mumbai on 10<sup>th</sup> February 2018.</li> <li>8. Dr. V. N. Bedekar Colloquium lecture on 'Human microbiome project &amp; its perspectives' by Dr. Dhiraj Dhotre, on 10<sup>th</sup> February 2018.</li> <li>9. Dr. V. N. Bedekar Colloquium lecture on "Chanakya And Education" on 12<sup>th</sup> March 2018.</li> <li>10. Dr. V. N. Bedekar Memorial Colloquium Lecture on Ecosysstem by Mr. Stalin Dayanand, Director, NGO Vanashakti on 23<sup>rd</sup> March 2018.</li> </ol>
11	To conduct BNB-HOPE Environment Science Lecture Series in collaboration with HOPE	Lecture on 'Dialogues with the Elephants' by Mr. Anand Shinde on 23 rd September 2017.
12	To conduct Fests / Exhibitions /Competitions through interdepartmental activity.	<ol style="list-style-type: none"> <li>1. Stats- fest Sankhyotsav 2k17-18 was organised on 8<sup>th</sup> Sept 2017</li> <li>2. Nav-Sanjeevana: A Tribute To Indian Women Scientists</li> <li>3. Biotechnology and Microbiology department carnival "KIOSK" on 7<sup>th</sup> December 2017.</li> <li>4. Physics Carnival on 17-18 Jan 2018.</li> <li>5. Quiz competition "Mathalete" organized by Mathematics club on 25-Jan-18</li> <li>6. Botany club "SRISHTI" had organized 'Botany-Fest</li> </ol>

		“GENESIS” (The Beginning) 2017-2018’ on 15 <sup>th</sup> February, 2018 for F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. .
13	To conduct lectures/workshops through IQAC	<ol style="list-style-type: none"> <li>1. Brainstorming session for all teaching staff on 11<sup>th</sup> November 2017.</li> <li>2. A five days workshop on “BNB Edu Tech” was held from 18<sup>th</sup> to 25<sup>th</sup> November 2017.</li> </ol>
14	To conduct various programs through Library Department	<p>On the occasion of Maze Granthalay Granthapeti Exchange programme, lecture were organised on</p> <ol style="list-style-type: none"> <li>1. “Book Talk by Mr Ramdas Khare on 9<sup>th</sup> Sept 2017.</li> <li>2. Vachan Prerana Diwas on the occasion of Late Dr A.P.J. Abdul Kalam Birth Anniversary on 14<sup>th</sup> October 2017.</li> <li>3. Kathakathan programme by Mrs Smita Ponkshe on 27<sup>th</sup> January 2018</li> <li>4. Lecture by Mrs Sunita Shejwalkar on Panchamahabhutateel Nisarga on 28<sup>th</sup> April 2018.</li> </ol>
15	To arrange Life skill session with counsellor.	Life skill sessions for T.Y.B.Sc. and M.Sc. students on personality development were conducted by Counsellor.
16	To orient students for laboratory safely.	Before practical starts each year FY, SY, TY and MSc students were oriented for laboratory safety.
17	To arrange nature trail/ educational/ Industrial visit	<ol style="list-style-type: none"> <li>1. One day excursion was arranged to “Coastal and Marine Biodiversity Centre”, Navi Mumbai for M.Sc. Environmental Science and Biodiversity, Wildlife Conservation Management on 25<sup>th</sup> July 2017. Study Tour for TYBSc students to Mahabaleshwer was organised on 6-8 December 2017.</li> <li>2. Two days Field Visit to Kaas Pathar was organised on 7-8 Sept 2017.</li> <li>3. Study Tour for SYBSc students was organised to Pune on 15<sup>th</sup> December 2017.</li> <li>4. Industrial Visit to Mahabaleshwar was organised from 4<sup>th</sup> to 6<sup>th</sup> Jan 2018.</li> <li>5. One day Industrial Visit Indian Rubber Manufacturers Research Association (IRMRA) on 12<sup>th</sup> Jan 18.</li> <li>6. One day Industrial Visit to Silvasa was arranged on 18<sup>th</sup> January 2018.</li> <li>7. Visit to Rajiv Gandhi Zoological Park, Raja Dinkar Kelkar Museum &amp; Saras baug on 30<sup>th</sup> January 2018.</li> <li>8. Visit to Thane Mental Hospital (TYBSc) on 22<sup>nd</sup> Jan 2018.</li> <li>9. An excursion was arranged on 17<sup>th</sup> March 2018 to Yeoor hills for Ethno- botanical studies. The students of M.Sc. in Environmental Science and Biodiversity Wildlife Conservation and Management</li> </ol>



18	To conduct value added courses.	Guest Lecture on 'Insects of Farm Lands' by Krushibhushan Shri. Rajendra Bhatt on 22 Feb 2018.
19	To conduct Skill development courses for students.	<ol style="list-style-type: none"> <li>1. English speaking course for non teaching staff during May 2018 vacation.</li> <li>2. Instrument care day By Physics department.</li> <li>3. Cleaning and maintenance of microscope by zoology dept on 16<sup>th</sup> June 2017.</li> </ol>
20	To conduct career guidance lectures for students.	<ol style="list-style-type: none"> <li>1. Interactive session with Mr Siddhesh Sapre was organised on 15<sup>th</sup> July 17 on MSc Course and opportunities in virology.</li> <li>2. Seminar on "Abroad opportunities for undergraduate students" on 15<sup>th</sup> Jan 2018.</li> </ol>
21	To arrange diversified lecture to upgrade the students	<ol style="list-style-type: none"> <li>1. Workshop on Innovative Learning Resources on 10<sup>th</sup> June 2017.</li> <li>2. Guest Lecture on 'Vulnerable Species of Sea Turtle—Olive Ridley's Nesting Parameter' By Mr. Kaushik Koli on 12<sup>th</sup> August 2017.</li> <li>3. Guest Lecture by Dr. Gaurav Mehta, Postdoctoral Research Associate with Dept. of Radiation Oncology, Rutgers Cancer Institute of New Jersey on "Increasing role of nutrition in the development of lifestyle disease on 14<sup>th</sup> December 2017.</li> <li>4. Guest Lecture on Patent Technology by Prof. (Dr.) M. M. V. Ramana, Professor &amp; Head, Department of Chemistry, University of Mumbai on 16<sup>th</sup> Dec 2017</li> <li>5. 'Intellectual Mind Lecture' by Mr. Sung Hwan Kim, Member, Board of Education, South Korea and Dy. Director-International Mind Education Institute, Korea on 2<sup>nd</sup> Feb 2018.</li> <li>6. Guest Lecture on 'Insects of Farm Lands' by Krushibhushan Shri. Rajendra Bhatt on 22<sup>nd</sup> Feb 2018.</li> <li>7. Science Day Celebrations: Guest Lecture on Advances in NMR Spectroscopy by Padmashree Prof. Dr. R.V. Hosur, Department of Chemical Sciences, TIFR, Mumbai, JC Bose National Fellow and Director, UoM-DAE Centre for Excellence in Basic Sciences on 28<sup>th</sup> Feb 2018.</li> </ol>
22	To conduct Bal Vaidyanyanik Mahotsav	Balvaidyanyanik Mahotsav was conducted on 25 <sup>th</sup> January 2018.
23	To conduct activities for awareness of environment related issues.	<ol style="list-style-type: none"> <li>1. 'Mangrove Day Program on 24<sup>th</sup> -Jul-17 by EVS and BWMC Departments.</li> <li>2. Noise monitoring during Akansha Festival December 2017.</li> </ol>

		<ol style="list-style-type: none"> <li>3. A workshop on Handling of Environment monitoring devices on 22<sup>nd</sup> February 2018.</li> <li>4. A demonstrative lecture on need of Biocomposting and Vermicomposting for VPM's Polytechnic was organised on 23<sup>rd</sup> February 2018.</li> <li>5. An activity on Use of Noise level meter was organised on 15<sup>th</sup> March 2018.</li> <li>6. Lecture on Lunar Eclipse on 31<sup>st</sup> Jan 2018.</li> </ol>
24	To conduct e-waste collection drive	<ol style="list-style-type: none"> <li>1. E-waste collection Drive was conducted on 22<sup>nd</sup> August 2017.</li> <li>2. E-waste collection Drive was conducted on 26<sup>th</sup> Feb 2018.</li> </ol>
25	To arrange Parents meeting department wise	Department wise parents' meetings were conducted.
26	To conduct various Programs through NSS	<ol style="list-style-type: none"> <li>1. Blood Donation camp on 7<sup>th</sup> June 2017.</li> <li>2. Yoga Day Celebration on 21<sup>st</sup> June 2017.</li> <li>3. "Mega Tree Plantation Day" on 1-Jul-16</li> <li>4. Blood Donation Camp was organized by NSS and NCC Unit in collaboration with Oak Blood Bank on 26<sup>th</sup> July 2017.</li> <li>5. Rakshabandhan celebrated on 3<sup>rd</sup> August 2017.</li> <li>6. Cleanliness drive was held on 5<sup>th</sup> -Aug-17</li> <li>7. Independence Day Flag hosting on 15-Aug-17</li> <li>8. NSS volunteers participated in Gauri Visarjan programme on 30<sup>th</sup> Aug 17.</li> <li>9. Students participated in Traffic Awareness Programmes</li> <li>10. NSS FOUNDATION DAY on 24-Sep-17</li> <li>11. NSS volunteers participated in old cloth collection drive on 28<sup>th</sup> Sept 2017.</li> <li>12. Gandhi Saptah was celebrated from 2<sup>nd</sup> October 2017.</li> <li>13. Programme on Gandhian thoughts was organised on 6<sup>th</sup> October 2017.</li> <li>14. NSS volunteers participated in Blood Donation Camp organised by KEM hospital on 31<sup>st</sup> October 2017.</li> <li>15. AIDS DAY on 1-Dec-17</li> <li>16. Oral Health Day on 2<sup>nd</sup> December 2017.</li> <li>17. Residential camp from 26<sup>th</sup> -Dec-17 to 1-Jan-18.</li> <li>18. Yuva Day on 12-Jan-17</li> </ol>
27	NCC	<ol style="list-style-type: none"> <li>1. Annual training camp on 1<sup>st</sup> June 17.</li> <li>2. International Yoga day on 21-Jun-17.</li> <li>3. Mega tree plantation on 1<sup>st</sup> July 17.</li> <li>4. Blood donation camp on 26<sup>th</sup> July 2017.</li> <li>5. Cleanliness drive on 2<sup>nd</sup> week of August.</li> <li>6. YUVA DAY Rally on 12<sup>th</sup> August 17 .</li> </ol>

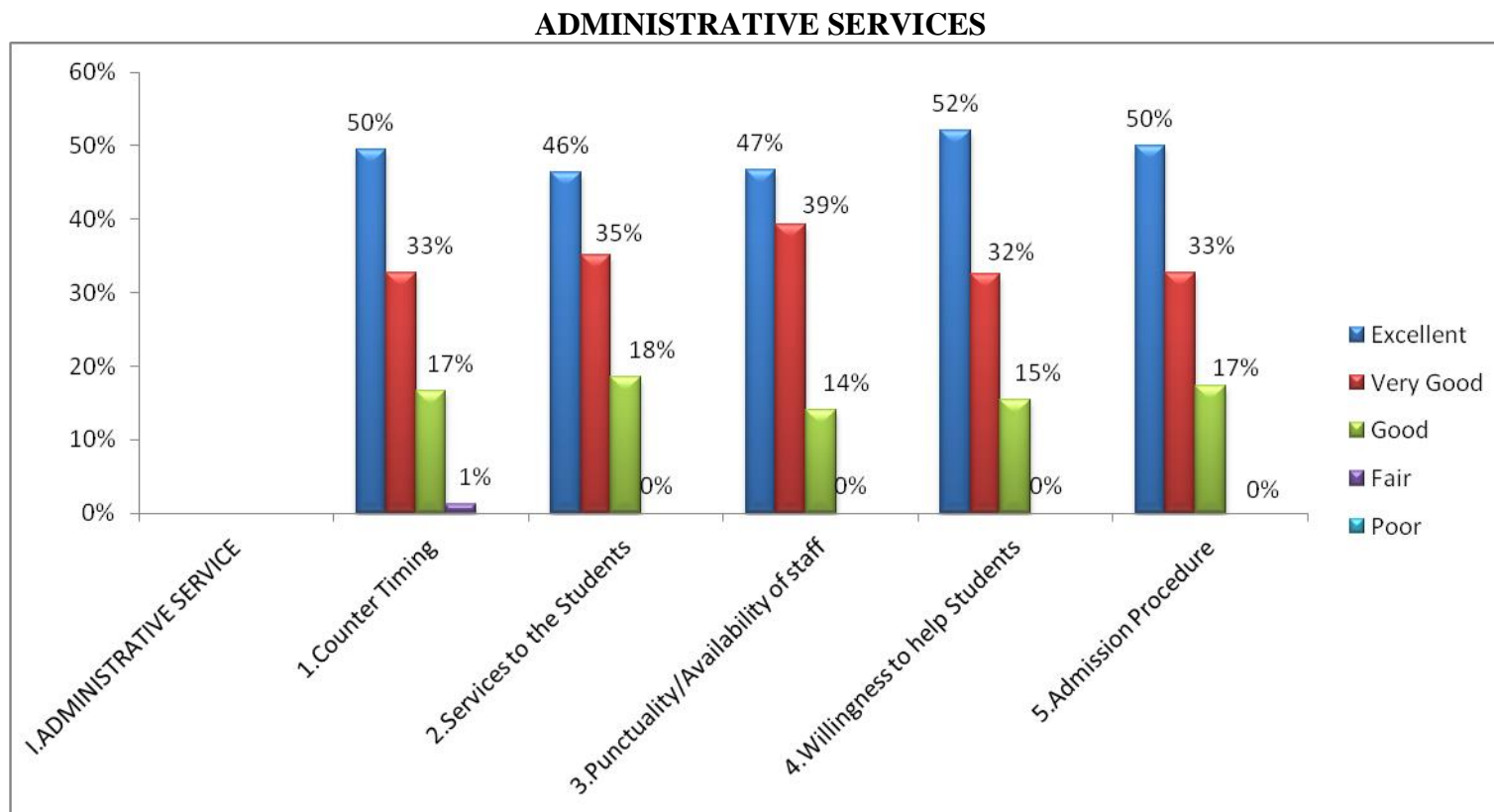


		<b>7.</b> Independence day on 15 <sup>th</sup> August 17. <b>8.</b> Swachata abhiyaan on 1 <sup>st</sup> week of September 17. <b>9.</b> Crowd control for ganesh visarjan in 2 <sup>nd</sup> week of September 17. <b>10.</b> Lecture on defence services on 24 <sup>th</sup> Sept 17. <b>11.</b> Constitution day on 26 <sup>th</sup> November 17. <b>12.</b> AIDS Awareness rally on 1 <sup>st</sup> December 17. <b>13.</b> Ncc adopted village Camp on 3 <sup>rd</sup> week of December 17.
28	To conduct lectures of eminent persons through departmental clubs.	All the departments have conducted programmes as per schedule given in academic calendar.
29	To conduct Journal and Movie Club activity	Journal and Movie Club activity was conducted by <b>1.</b> Biochemistry department on 8-July 2017 and 27-Jan-2018. <b>2.</b> Biotechnology and microbiology dept. on 5-July-17, 12-July-2017, 13-Sept -17, 10-Jan-2018
30	To conduct activities through Women Development Cell	<b>1.</b> Workshop on Self Defence for girl student was held on 4 <sup>th</sup> Sept 2017. <b>2.</b> A lecture on PCOD was organised on 10 <sup>th</sup> March 2018.
31	Celebration of Festivals	<b>1.</b> Rakshabandhan celebrated by NSS volunteers on 3 <sup>rd</sup> August 2017. <b>2.</b> Mangalagour by Cultural association on 18 <sup>th</sup> Aug -17
32	Certificate courses on Yoga.	Four courses were conducted throughout the year.
33	Activities through DLLE	<b>1.</b> Workshop on Entrepreneur Skill Development on 12 <sup>th</sup> Sept 2017.
34	To conduct various competitions through Literary associations	<b>1.</b> Elocution Competition 19 <sup>th</sup> Aug 2017. <b>2.</b> Poetry Competition on 31 <sup>st</sup> Aug 2017 <b>3.</b> Poetry Competition (Poetries in Marathi dialect) on 22 <sup>nd</sup> Feb 2018 <b>4.</b> Poster competition on 27 <sup>th</sup> Feb 2018
35	To have annual Sport day in last week of December	Organized Annual Sports Day on 20 <sup>th</sup> December 2017.
36	To conduct Annual cultural day	Annual Cultural programme on 22 <sup>nd</sup> & 23 <sup>rd</sup> December 2017.
37	To initiate additional measures to inculcate research aptitude and scientific temperament among students along with personality development by Research committee and science square committee.	<b>1.</b> Research Scholar programme is continued from previous year. <b>2.</b> Science square program continued. <b>3.</b> Demo practicals for school children. <b>4.</b> National Science Day is celebrated on 28-Feb-2018 with lecture by Eminent Scientist.

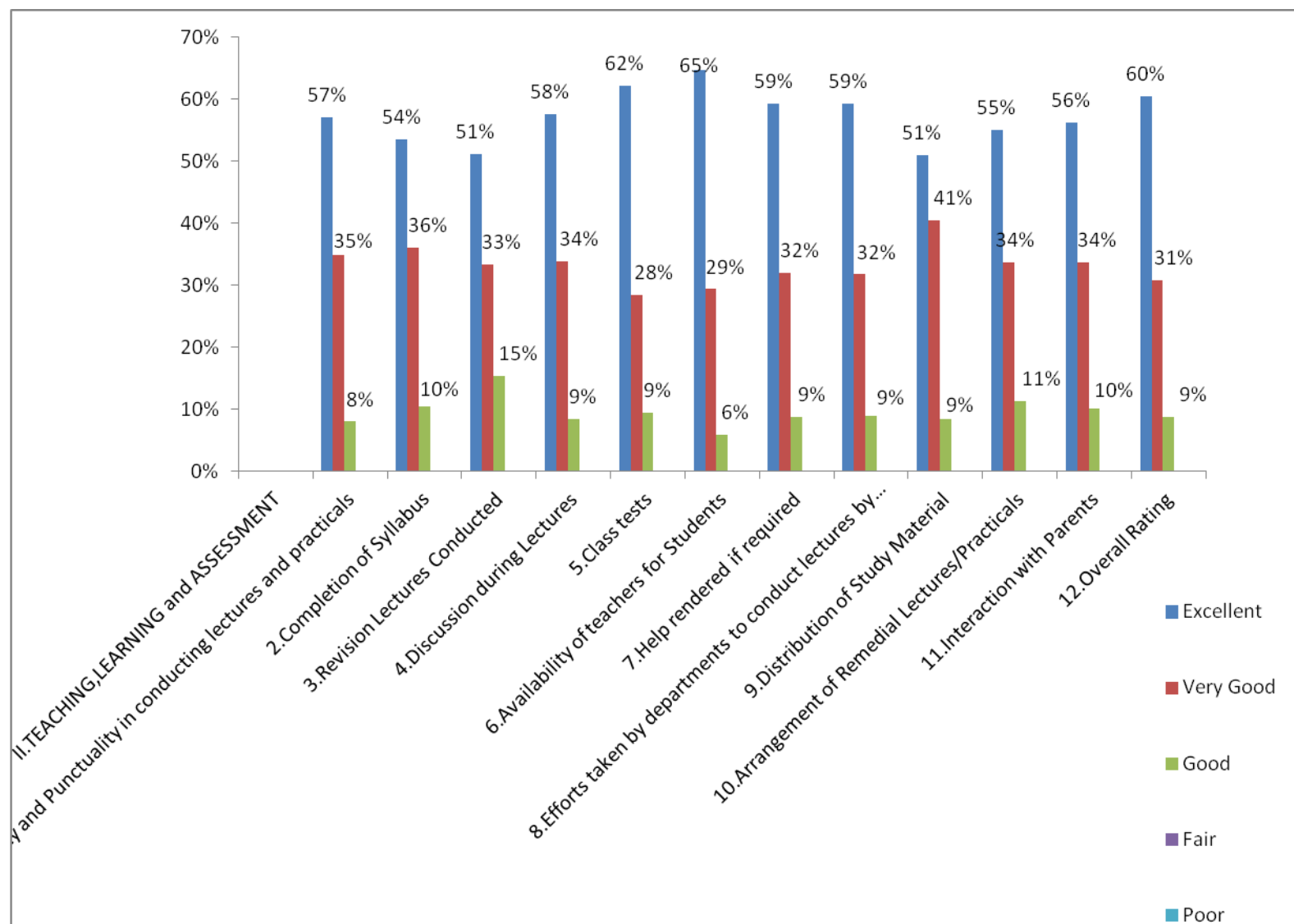
38	To celebrate more days through Friends of Library	<p>Book Exhibition and Poster Display was organized in library on the occasion of:</p> <ol style="list-style-type: none"> <li>1. World Environment Day on 5<sup>th</sup> June 2017</li> <li>2. Rajashri Shahu Maharaj Birth Anniversary on 26<sup>th</sup> June 2017</li> <li>3. Lokmanya Tilak Birth Anniversary on 23<sup>rd</sup> July 2017</li> <li>4. Savitribai Phule Birth Anniversary on 3<sup>rd</sup> January 2018</li> <li>5. Swami Vivekananda Birth Anniversary on 11<sup>th</sup> January 2018</li> <li>6. Subhashchandra Bose Birth Anniversary on 23<sup>rd</sup> January 2018</li> <li>7. Chatrapati Shivaji Maharaj Birth Anniversary on 19<sup>th</sup> February 2018</li> <li>8. Swatantryaveer Vinayak Damodar Sawarkar Death Anniversary on 26<sup>th</sup> February 2018</li> <li>9. Marathi Rajbhasha Divas on 27<sup>th</sup> February 2018</li> <li>10. National Science Day on 28<sup>th</sup> February 2018</li> </ol>
39	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.
40	To strengthen the activities of College School complex and Science square committee	<ol style="list-style-type: none"> <li>1. Visit of School Student to various departments of College on 24 Jan 18.</li> <li>2. National Science Day Celebration and Poster Presentation of Mini-Research projects on 28-Feb-18</li> </ol>
41	TO strengthen employment cell	<p>Following companies conducted campus interviews:</p> <ol style="list-style-type: none"> <li>1. Cap Gemini on 14-Dec-17</li> <li>2. TCS on 20<sup>th</sup> Jan 18.</li> <li>3. Infosys on 21 Feb 18.</li> <li>4. CMS on 9<sup>th</sup> Feb 18.</li> <li>5. Sutherland on 7<sup>th</sup> March 18.</li> </ol>
42	Publication of the magazine Sanyuja	College Magazine "Sanyuja" was published on 9 <sup>th</sup> Feb 2018
43	Publication of e-journal J-BNB	e-journal J-BNB was published on 28 <sup>th</sup> Feb 2018.
44	To conduct activities through Culutral association	<ol style="list-style-type: none"> <li>1. Workshop on acting was organised on 1<sup>st</sup> August 2017.</li> <li>2. Mangalagaur was celebrated on 18th August, 2017.</li> <li>3. Inauguration of cultural association was organised on 23<sup>rd</sup> August 2017.</li> <li>4. Cultural Association along with NSS volunteers celebrated Teacher's day in the college On 6th September 2017.</li> <li>5. Cultural Association along with the office staff of the college organised a Mangalagaur event for Japanese students On 7th September 2017.</li> <li>6. Shree Swami Samartha Sugam Sangeet Spardha was held on 19th September 2017.</li> </ol>

		<p><b>7. Treasure hunt</b> was conducted on 19<sup>th</sup> December 2017.</p> <p><b>8.</b> Fine art, Mehendi, Rangoli, Hair style, Tattoo, Nail art, Bridal make up, Poetry recitation competitions were held on 18<sup>th</sup> and 19<sup>th</sup> December 2017.</p> <p><b>9.</b> Annual Cultural programme was organized on 22<sup>nd</sup> and 23<sup>rd</sup> December 2017.</p>
45	To arrange lecture for all staff regarding health awareness	Lecture on PCOD was organised on 10 <sup>th</sup> March 2018.
46	To arrange Alumni meet	<p><b>1.</b> Monthly Alumni meeting were conducted to strengthen Alumni Association. (8 meetings)</p> <p><b>2.</b> Get together of past students was organised on 10<sup>th</sup> Sept 2017.</p>
47	DBT Star activities	Various activities were conducted throughout the year under DBT Star Scheme by Physics, Chemistry, Botany and Zoology department which include 5 Guest lectures, 26 Extra practical, 10 Workshops, 5 Study tours, 1 Interdepartmental activities, 9 Projects, 8 Social awareness programs, 1 Faculty improvement programs, 1 Research paper completed, 7 research papers presented, 2 students participated in workshops, 1 poster presentation by student.
48	To perform energy audit and try to reduce consumption of electricity.	Students performed energy audit and try to reduce consumption of electricity
49	To conduct workshops on MOOC and use it in teaching.	Five days Workshop on BNB Edu Tech was organised from 18 <sup>th</sup> Nov- 25 <sup>th</sup> Nov 2017.

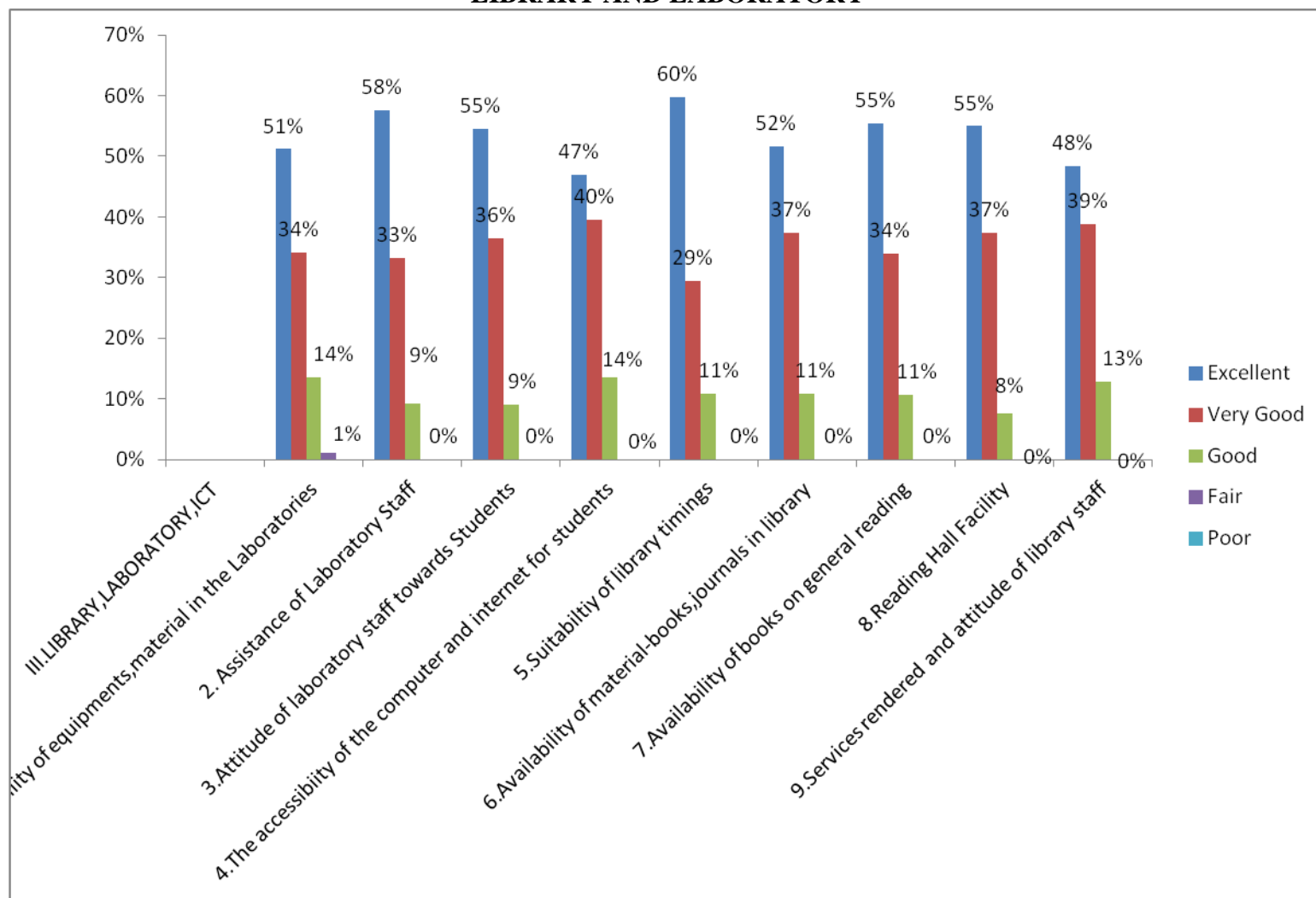
### Annexure iii



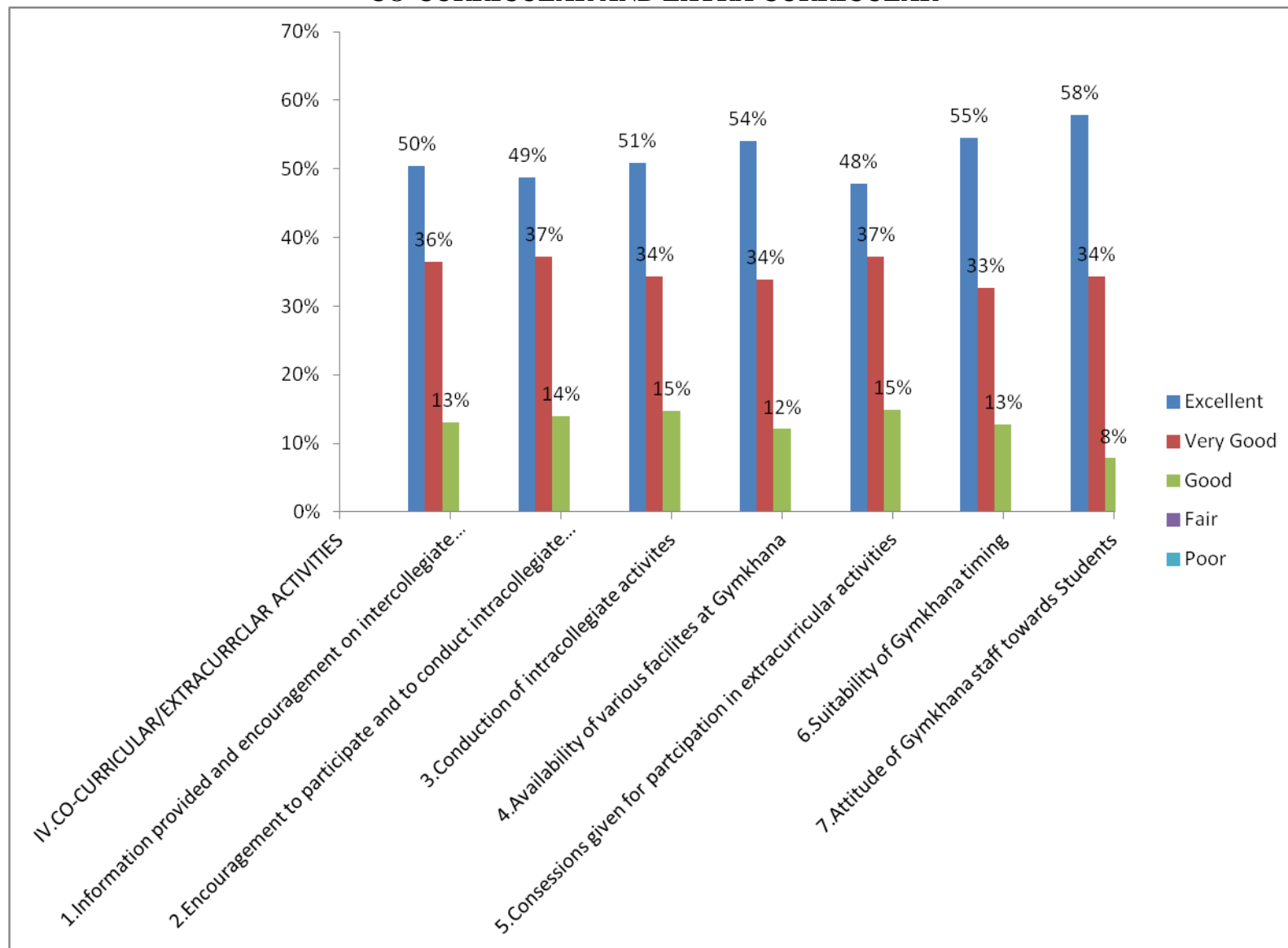
## TEACHING AND LEARNING



### LIBRARY AND LABORATORY

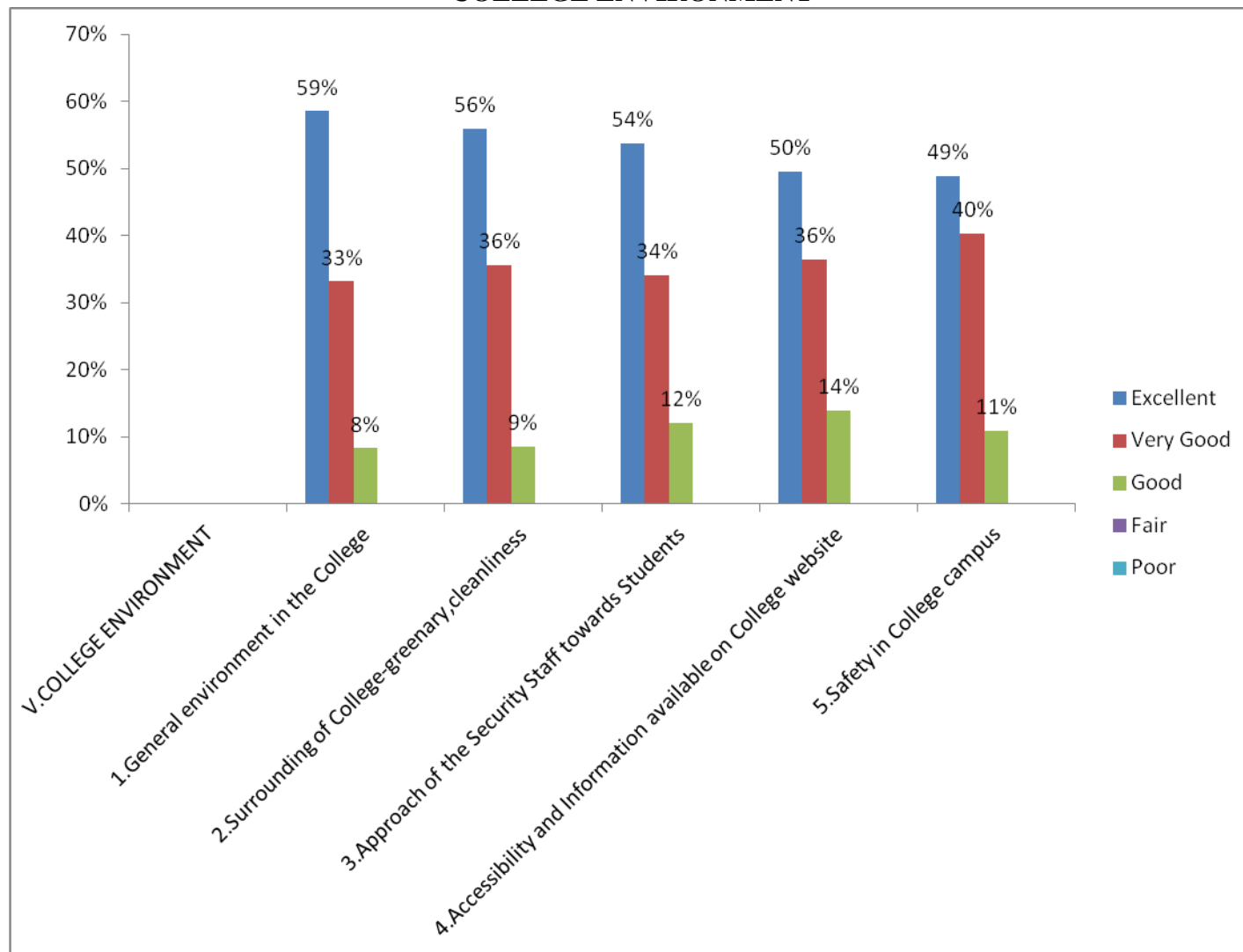


### CO-CURRICULAR AND EXTRA CURRICULAR





### COLLEGE ENVIRONMENT



## **Annexure iv- a**

### **Best practice 1**

**Title:** Administrative audit and capacity building workshop for administrative staff.

**Context:** Administrative office makes a back bone of any HEI. Organizational efficiency is greatly governed by administrative systems that are placed in office. Students are the major stakeholders in an educational institute. College office has to maintain different documents Right from students' enrollment/ admission, throughout his / her tenure and thereafter. College administrative office also deals majorly with HR related documentation and communication, personal records keeping, finance management, coordination, personal tracking etc. To ensure efficient administrative process one needs smart tools, training, technical assistant and practice. Hence, with this intention the audit process and capacity building workshop was planned by IQAC wherein the staff members would get the learning from the expert in the field.

**Goal:**

- To assist administrative staff, learn and formulate own solutions for routine administrative difficulties,
- To streamline various office processes and protocols with smart solutions,
- To help administrative staff work towards maximizing stakeholders' satisfaction.

**The practice:**

The external audit for administrative services was planned by IQAC for the very first time on 23<sup>rd</sup> April 2018. Ms. Keyaa Mukherjee, Office Superintendent, Maniben Nanavati Women's College, Vile Parle (w) was invited as external auditor for evaluating the efficiency and effectiveness of the administrative procedures, assessment and analysis. It was also with the intention of assessment of policies, strategies & functions of administrative office. Ms. Keyaa audited General administration, extension and continuation of affiliation process, selection, advertisements and interview procedures, Staff approval, Non- teaching staff appointment procedures, Enrollment, e-Suvidha etc. Through the interaction with the office staff, came some valuable suggestions from her. In her special oration she presented case study of her own institution and elaborated on kind of reforms she brought in, that made her institution win several accolades and complements for efficient administrative services.

**Impact of Practice / Evidence of Success:**

1. All staff members appreciated the workshop and could relate with the real world problems and solutions undertaken in response to that by the resource person
2. Hope was built in staff members to take the ownership of the assigned tasks/ roles.
3. They could learn features that can take them near to goal of Smart office. Efforts were made to change a few processes like of Leave record, to reduce paper usage.
4. Members were inspired and took initiative to work with "less paper office" mission.

**Obstacles faced/Problems encountered:**

1. Coordinating the audit process demanded devoted directional efforts by IQAC coordinator, principal and office in charge.

## **Annexure iv- b**

### **Best practice 2**

**Title:** BNB Tech Edu – a five days workshop series for teaching faculties.

**Context:** Science education has seen a reform with emergence of Information and communication technology (ICT). Way ahead than just mere use of PowerPoint presentations, ICT tools have improved overall learning experience of learners. It offers opportunities for creative expression, more flexibility in terms of time, location and preference of learners. With wider access for learning and participation, ICT tools are becoming instrumental in enhancing motivation to learn. Responding to this fast transformation IQAC contemplated the need to make educators equipped with all smart solutions that can be implemented in teaching methodology.

**Goal:**

- To make the educators learn new ICT tools to be incorporate for effective teaching
- To motivate them use new technology for creating new e resources for enhanced learning outcomes.

**The practice:**

College IQAC in collaboration with IT department planned a five days workshop series “BNB TechEdu” for faculty development initiative. It was scheduled to be hosted during 18<sup>th</sup> Nov. to 25<sup>th</sup> Nov. 2017 at IT laboratory and common auditorium ‘Patanjali’. Staff members from Information Technology Department of the college announced the schedule and the content for deliberations to all staff members in advance before the commencement of the course. Resource persons engaged the teaching staff members learn basic and advanced ICT tools in the form of Google forms, movie making, Libre office, Ubuntu, computer trouble shooting, D space, Smart Board and MOOC. Considering the time constraints the staff members face, the sessions were kept flexible. Attendance record was maintained.

**Impact of Practice / Evidence of Success:**

- Total 61 staff members from various departments attended the workshop.
- Members who attended the workshop were vocal in appreciation of workshop.

**Obstacles faced/Problems encountered:**

- Motivating all the staff members to undertake this workshop was difficult initially.
- Considering the regular work schedule of resource persons, problems were faced in finalizing the dates and implementation of this workshop series.