Yearly Status Report - 2018-2019

Part A	

Data of the Institution	
1. Name of the Institution	**B N BANDODKAR COLLEGE OF SCIENCE,THANE**
Name of the head of the Institution	**S Venkatraman**
Designation	**Principal(in-charge)**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02225336507**
Mobile no.	**9004690471**
Registered Email	**prinbnb@vpmthane.org**
Alternate Email	**iqacbnb@vpmthane.org**
Address	**Jnanadweepa, Chendani Bunder Road**
City/Town	**Thane**
State/UT	**Maharashtra**
Pincode	**400601**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Dr.Anita S.Goswami-Giri**
Phone no/Alternate Phone no.	**919967899417**
Mobile no.	**8850044240**
Registered Email	**asgoswamigiri@vpmthane.org**
Alternate Email	**anitagoswamigiri@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.vpmthane.org/BNB/AQAR.aspx

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.vpmthane.org/BNB/calendar%20all.aspx

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**82.5**	**2003**	**16-Sep-2003**	**15-Sep-2008**
2	**A**	**3.04**	**2010**	**28-Mar-2010**	**27-Mar-2015**
3	**A**	**3.21**	**2015**	**15-Nov-2015**	**14-Nov-2020**

6. Date of Establishment of IQAC	**14-Jan-2004**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Poster and oral	**28-Feb-2019**	**22**

presentations on theme of	09.00	
Organized orientation program/workshop on Samarth-Teacher as Nation Builder	03-Apr-2019 03.00	47
5th E-waste Collection drive	05-Apr-2019 07.00	18
Training given to concern incharge HODs , committee coordinators, office administrative staff regarding ISO certification	25-Apr-2019 02.00	23
IMC and ISO proposal feedback 2018, Feedback of Academic audit (2016-17) and All NAAC cycle feedback/ suggestions (2010 and 2015)	17-Jun-2019 04.00	12
Data keeping for IQAC as per new format	30-Jul-2018 05.30	74
College level workshop on	11-Aug-2018 03.30	71
Gender Sensitization program	28-Sep-2018 02.00	174
Old cloth collection drive	27-Sep-2018 08.00	58
Brain storming session for all teaching staff and Nonteaching staff to create awareness about new NAAC requirement	05-Nov-2018 07.30	86
Lectures organized for	25-Feb-2019 01.30	67
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Bandodkkar College of Science	FIST	DST	2013 1825	3950000
Bandodkkar College of Science	STAR	DBT	2015 1095	2900000
Bandodkkar College of	CPE	UGC	2016 1825	0

Science					
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	19
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Training given to report writing for in leadership on 16th October 2018 and college received RBNQA Milestone award in leadership category (April 2019)

Training given to concern incharge HODs , committee coordinators, office administrative staff regarding ISO certification on 25th April 2019 and College received ISO

Initiatives taken towards-1) skill based additional certificate courses , 2) research projects writing 3) to enhance moral & human values- orientation, workshop and seminar 4)

Mid-Term Audit conducted on 4th February 2019 and measures were taken to fullfil the audit observations

As per NAAC committee suggestion, application for Autonomy was sent on 28th May 2019 , letter received from UGC and committee visit is due any time

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Total Plan of Action is Fifth Six	Excel sheet is attached
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
COLLEGE DEVELOPMENT COMMITTEE	15-Oct-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	25-Apr-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	11-Mar-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The college is having various online facilities such as attendance, office management, accounts Library, Academic Calendar, Courses information, intimation of upcoming conferences/workshops and activity reports, wide access of internet facility. Apart from it, in 2018 2019 online admission process for UG students along with online payment facility had been introduced for the ease of students and parents. Managerial involvement towards refinement of the institutional functioning and societal approach included in MIS (Management Information System) • Recruitment of teaching and non teaching staff on contract basis salary is borned by management. • No interference in the college administration activities and fully extended cooperation to improve the education system ethically. • "Write – Petition" against the sound pollution during the festival by Trustee Member • Following environmental norms all the noise making programs are arranged indoor • Maintenance of server room with 50 MBPS is improved to 62 MBPS in the year 2018 – 2019 • Management

encourages for participation and conducts the conference annually. • Always intending to encourage improve in academic system • Library OPAC, J – Store subscription of leading journals are paid by Management. • BNB examination software • Attendance software • Statistical software • Use of Windows / Linux / Ubuntu. • Encouraging students to visit aboard for gaining the knowledge • Campus – Cleanliness, Security, Rain water harvesting, biocomposting, weather center, concretation, beautification, notification and recreation center

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

• B.N. Bandodkar College of Science is affiliated to University of Mumbai, college follows the curricular designed and developed by curriculum/syllabus framing committee for UG and PG course. For PhD courses BNBCS Research Centre follows the syllabus of University of Mumbai. This includes delegations of Professor, Associate Professor, and Asst. Professor, bonafide students, alumni, NGOs and industrial expertise. Each subject has a separate BOS. Final design of the curriculum is reviewed and approved in Academic Council at University level. Academic council is a statutory body and is formed of the elected senate members at the university level. The revision of each individual syllabus is attempted every two (PG level) /three (UG level) year's cycles. All programs are designed on choice based credit system and evaluated on semester basis. Each semester is comprised of 90 teaching days. • Head of the Departments conducts meeting on the reopening day for the further planning of the academic year and distribution of syllabus paper wise and unit wise as per specialization after discussion with teachers. All the teachers prepare their teaching plans and execute them in semesters. Teaching plans includes ICT techniques, Origami, Model making, discussions, seminars etc. IQAC provides teaching plans and teachers dairy to all teachers and teachers fill the form accordingly and finish the syllabus on time. College administration also provides a well defined Schedule and time table annually for both UG and PG courses. The obsolete topics in the process are eliminated and most latest are introduced such as ICT, computation and its application in studies, use of internet in studies and conducting various events, soft skills, interdisciplinary courses, hands on training etc. Introduction of field projects in other subjects and research project for students seeking extra 02 credits apart from regular credits would provide an additional qualification to them. Field visits and excursions will enhance the practical experience of the subjects. Continuous perusal of short falls in the accomplishment of curricula to ensure maximum outcome is achieved through planning under supervision of IQAC, college development committee, evaluation system, feed-back system (students, alumni, parents and society) and managerial involvement. The academic enhancement is attained through the frequent organization of workshops, orientation programmes, colloquium, guest or popular lectures, counsellors, career guidance (Grab-it), seminars, industrial visits, excursions

etc. Students are encouraged to participate in scientific, patriotic and social activities through 'Avishkar' (University level science and research completion), NCC, WDC, NSS, (Yuvadin) and Student's Welfare festival. • Certificates courses are designed by senior teachers of the Department according to the demand of the society, which enhances the academic, professionals and entrepreneur skills. The certificate courses are passed at college development committee (CDC). In addition the students are availed choices of value added, certificate and diploma courses. The design foresees to inculcate utmost scientific knowledge in the pupils, leading to understanding and its sympathetic application for the benefit of the society.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Research Scholar Programme	NA	08/08/2018	30	Research methodology, data analyses and interpretati on, publicat ions, research ethics.	Research aptitude, analytical thinking, presentation skills.
Techniques in Molecular Biology (LevelI)	NA	08/08/2018	30	Handling of the instruments, aseptic techniques	Aware of various molecular technique, and sterile conditions.
Techniques in Molecular Biology (LevelII)	NA	08/08/2018	30	Culture media, control measures	Analytical skills to enhance research aptitude, problem based learning.
Certificate Course in Computer Skills	NA	08/08/2018	30	Computing with Ms office, One note, various software, media files etc	Inculcating basic computer skills in word, excel, PowerPoint etc.
CCPH01 Astronomy and Astrophysics	NA	08/08/2018	30	To learn basics of astronomy and astrophy sics.	Get insight from extra galactic objects and all kinds of physics of the objects in the universe.

Food adulteration and Quality Management	NA	08/08/2018	30	The technique to analyse the adulteration, standards of the quality maintenance, regulation, legal aspects.	Hands on training and understanding tests to detect adulterations and regulation related to same.
Solid Waste Management	NA	20/02/2018	30	Types of SW, sources of generation, sorting, processing, commercial approach, and mitigation.	Proficiency in handling, segregation composting of solid waste and treatment methods.
Fruit Preserves and Beverages: A skill Development Certificate Course	NA	20/02/2018	30	Hands on training on fruit preservation and beverages making.	Enhancing shelf life of food beverages by various professional methods.
Basics of R Software	NA	20/02/2018	30	Learn commands and Application in various statistical analyses	Fundamentals of R programming and basic level analysis using data.
Python Level I	NA	20/02/2018	30	To know Python, platform used in software design, development of program.	Basics of Python language and its programming. Applications of Python in various fields.
BC011 Certificate course in instrumentation and preparation of standard solutions	NA	20/02/2018	30	Standardisation and calibration of instruments and preparation of standard solutions	Basics in handling skills and solution preparation.
Certificate Course in	NA	20/02/2018	30	To maintain fitness of	Basic understanding of

Yoga		mind and physique.	YOGA and its components. Application for improving personal fitness.

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	No New Programmes introduced during the academic Year	01/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Choice Based Credit System is implemented in 2016 and is still continued.	01/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	192	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Thane Training Programme.	29/08/2018	120
DigiThane Marathon guidance	02/09/2018	180
Skill developed through Elocution , Poem Reciting Debate ,Love Letter Writing Poster Making, Sketching	14/12/2018	72
Skill developed through Tshirt Painting ,Greeting Card Making	15/12/2018	38
Imparting transferable Skills Soap Carving Best out of waste, Photography.	18/12/2018	54
Imparting transferable Skills Bridal Makeup, Hairstyle, Mehendi, Nail Art, Tattoo	19/12/2018	81

Personality Development	21/12/2018	8
Ecofriendly Ganpati decorartion	07/09/2018	18
Study of Insect diversity at VPM Campus	28/09/2018	11
Urban Farming	17/02/2019	24
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Pathology -Jupiter hospital, Thane	4
BSc	Milk reception, processing & packaging – Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd.	5
BSc	General observation internship- Millennium special Lab Pvt. Ltd.	3
BSc	Plant Training, Quality control- Coca Cola	2
BSc	Shangrila Food Products Ltd.	3
BSc	Rural Hospital Murbad- Dist. Thane	1
BSc	MODEL ORGANISMS' - HBCSE, TIFR	4
BSc	DEPARTMENT OF PATHOLOGY - TEJAS PATHOLOGY LAB	2
BSc	DEPARTMENT OF HISTOPATHOLOGY, SEROLOGY AND MICROBIOLOGY - LOTOUS MICROBIOLOGYCS	4
BSc	DEPARTMENTS OF HEMATOLOGY ,BIOCHEMISTRY,IMMUNOLOGY AND SEROLOGY - CLINITECH LABORATORY	1
BSc	DEPARTMENT OF MICROBIOLOGY - JUPITER HOSPITAL	1
MSc	Assessment and mapping of noise pollution at Chendani Bunder, Kalwa and Saket road.	1
MSc	Movement pattern of Leopards (Panthera pardus fusca) in Aarey Milk Colony, Mumbai, Maharashtra.	1

| MSc | Host tree selection by House crow(Covous splendens) in urban region in Mumbai, Maharashtra. | 1 |

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

i. A multilevel data management system has been implemented at BNBCS in order to collect data about Organizational performance and key operations. The data collected from committees and departments is reviewed, processed and comprehensively assessed by IQAC. ii. The internal audits are conducted annually. Considering internal audit remarks the various indices from the feedback of all the stakeholders, most effective measures, progress on strategic objectives and the action plan are designed. iii. Students are primary stakeholder of any education institute. BNBCS is the single faculty science college thus stakeholders are concerned with science stream. Teachers are continuously in contact with stakeholders during lectures and practical's. Overall college feedback in relation to administration, teaching and learning, infrastructure facility, cocurricular and extracurricular, college environment and other issues are received from stakeholders. Feedback data about curriculum collected from stakeholders (current Students, Teacher, Parents, Alumni, Society and/or Employers) on a 5 point scale. iv. Parents mentor meeting and through suggestion box, complain register, website, social media, email, direct communication etc. are taken into consideration to improve further and take appropriate quality measures. Questions related to teachers' abilities about command on subject, language, punctuality, explanation skills etc. are assessed. The data is collected, compiled and analyzed. v. Faculty members are asked to fill up self appraisal forms, where they can give their opinion for improvements. The performance of individual teacher is evaluated through self appraisal report and API forms. Teachers submit the selfappraisal reports with remarks from the head of the department. The assessment reports of nonteaching staff are collected from the heads. Also performance of faculty is evaluated by respective heads and by Principal. While Principal's performance is monitored by management. vi. Feedbacks received in the year 201819 from internal, midterm audit as well as IMC RBNQA and ISO are also considered for the improvements. SWOT analysis is an important component of the planning process. While preparing yearly report each department does SWOT analysis to plan for future. Before the measures are finalized, senior teachers and the peers do a final review in to meet the core competencies sed the strategic challenges thus ensuring needs of stakeholders are mitigated. This feedback data thus collected is useful for the overall development of the Institution.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	General Science	480	1093	396
BSc	Biotechnology	65	457	58
BSc	Biochemistry	35	115	27
BSc	Microbiology	30	258	28
BSc	Computer Science	60	613	56
BSc	Information Technology	120	1000	118
BSc	Human Science	60	95	33
BSc	Interdisciplinary Science	60	39	27
MSc	Chemistry	10	10	10
MSc	Information Technology	20	43	20
MSc	Physics	20	14	14
MSc	Environmental Science	20	26	13
MSc	Biodiversity Wildlife Conversation and Management	20	29	14
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1817	157	61	0	27

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
90	90	7	19	2	17

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Academic year begins with inaugural lecture by Principal regarding college culture, ethics, moral and human

values for all classes. VPM has defined Oath which is pledged by the students through the Principal at the time of inaugural address. BNBCS believes in 360 degree personality development of students, to achieve this goal college arranges different programs through the departmental club and different committees such Mentor, NSS, NCC, WDC, DLLE Gandhi Vichar Manch, Jagar Janivancha , Cultural association, Sports activities, etc. to sensitize students on various issues The academic deliberations on values like equality, cooperation, tolerance, patriotism, generosity, truth, justice and excellence are promoted during classroom sessions along with celebrating "Dina vishes". Constant efforts are made to inculcate ethical behaviour and right values. Hence mentor cell is introduced to the students from 2007. In the Mentor cell, teacher mentors were allotted about 1920 students. Mentors guide them to overcome in academic and personal difficulties they face. Mentors had to be regularly in touch with the allotted group of students required despite monthly meetings. Thus, the teachers are their academic guardians. This system works excellent where students open up and start sharing their difficulties with their respective mentor. Student progress and issues if any are discussed in meeting with Head of the Department and Principal. For certain issues if required the potential strategies are formulated and are resolved. The mentor emphasizes that the life values are engraved in the minds of the students to deal with caring their counter parts people in society and environment which will make them good citizen of the country with integrity and commitment. Further to enhance these activities the concept of Mentor System "Change attitude and behaviour" launched for Transformation and Personal Excellence for stake holders such as teachers, students and non teaching staff of the institute from the year 2017 and which is continued for current year. As it is ongoing process and a part of the project motivational sessions were conducted throughout the year to Train the Trainers.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1974	88	1:23

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
47	26	21	21	13

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. S. D. Rathod	Associate Professor	District Experts Appraisal Committee under District Mining Officer, Collector, District Thane, Maharashtra
2018	Dr. (Mrs.) A. S. Goswami Giri	Associate Professor	Appointed as Member of District Consumer Protection Council
2018	Dr. Mrs. Poonam Kurve	Associate Professor	Nominated as Expert in Birds by Deputy Conservator of Forest
2018	Dr. Kalpita Mulye	Assistant Professor	Vishesh MargaDarshak Puraskar and Cash Prize by Marathi Vidyan Parishad

2018	Dr. Jayashree Pawar	Assistant Professor	Vishesh MargaDarshak Puraskar and Cash Prize by Marathi Vidyan Parishad
2018	Ms. Sayli Daptardar	Assistant Professor	Reliance Foundation Teacher Award
2018	Dr. Mrs. M. K. Pejaver	Principal	Appointed as Nominee of the University on Academic Council and invited as special invite on Board of Studies in Department of Zoology at B. K. Birla College of Arts,Commerce and Science (Autonomous), Kalyan
2018	Dr. Mrs. M. K. Pejaver	Principal	Requalified as a certified Examiner for Quality Management for IMC Ramkrishna Bajaj National Quality Award Criteria
2018	Dr. Mrs. M. K. Pejaver	Principal	Resource person for the transition to leadership programme from RUSA, Maharashtra
2018	Dr. Mrs. M. K. Pejaver	Principal	Appointed for Inspection for Recognition of continuation for M.Sc / Ph.D (By Research) at P.D Hinduja National Hospital and Medical Research Center
2018	Dr. Mrs. M. K. Pejaver	Principal	Appointed as a ViceChancellar Nominee on the Governing body of the Rizvi Education Societys Rizvi College of Engineering
2018	VPM B N Bandodkar College of Science	Principal	Centa Teaching Professional Olympiad TPO 2018

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	Excel Sheet Attached	Excel Sheet Attached	06/06/2018	30/04/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The evaluation, syllabus and examination norms are followed as per directives given by University of Mumbai. College has Choice Based Credit System (CBCS) in all undergraduate and post graduate courses. Students are made aware of the evaluation process through the orientation lecture at the beginning of the year. Examination evaluation pattern semester wise for PG is 60:40. Isolated courses such as Biotechnology, Computer Science, Human Science, Interdisciplinary Science and Information Technology have internal assessment component in the form of class tests which consist of questions such as fill in the blanks, multiple choice questions, match the following, short answers and monitoring students in classes. However, at the institutional level, isolated courses along with other courses, evaluation is done on the basis of seminar, group discussion, questionnaires related to syllabus, quiz on syllabus topics, tutorials, assignments, projects, oral, library sessions and personal interaction etc. Progress report and attendance of individual student is presented in the Parent – Teacher meeting to get the feedback and evaluation of student progress. The continuous internal evaluation (CIE) allows the teachers to assess the students for tracking their progress and to identify slow and advanced learners. Remedial Classes and extra laboratory experiments are conducted for the slow learners, absentees on medical background and for the students who participate in extracurricular activities representing college. The meritorious students were explored to project based learning, through which they perform MiniResearch projects throughout the year and present it on National Science day, Exhibitions and Conferences.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

BNBCS plans the Academic Calendar of the Curricular, Cocurricular and Extracurricular activities and uploads it on web in the month of April for the next academic year. The adherence to the Calendar is monitored. The schedule of the external examination is declared by the university for the T.Y.B.Sc. and M.Sc. examination and is displayed on the student notice board. The examination committee prepares the time table for F.Y.B.Sc. and S.Y.B.Sc. in the framework provided by the university and is displayed on the student notice board. Heads of the department and Examination committee jointly prepare the time table For the practical examinations of F.Y.B.Sc and S.Y.B.Sc. Every teacher is assigned the subjects to be taught during the academic year. The teacher has a teaching plan and evaluation schedule of assigned subject. The type and schedule of internal evaluation for isolated subject is planned in consultation with the Head of the Department and Examination committee. The Head of the department compiles the academic plan submitted by the teachers and ensures that there is no overlapping of the activities in general and the CIE in particular at both the internal as well as the University level. The Academic calendar is then

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.vpmthane.org/BNB/Course%20outcome.aspx

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1S00146	BSc	General Science	256	201	78.52
1S00256	BSc	Information Technology	114	103	90.35
1S00156	BSc	Computer Science	72	68	94.44
1S00166	BSc	Biotechnology	46	44	95.65
1S01124	MSc	Biodiversity Wildlife Conservation and Management	5	5	100
1S01124	MSc	Chemistry	10	9	90.00
1S01124	MSc	Environmental Science	8	7	87.50
1S01124	MSc	Physics	18	14	77.78
1S01124	MSc	Information Technology	18	16	88.89
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://vpmthane.org/BNB/feedback%20analysis.aspx

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Total	0	Nil	0	0
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Enterprise Resource Planning	Employment Cell, B. N. Bandodkar College of Science, Thane	25/08/2018
Careers in Bombay Stock Exchange followed by Aptitude test	Employment Cell, B. N. Bandodkar College of Science, Thane	06/10/2018
How to have Internship, Job Opportunities by Codetech, Thane	Employment Cell, B. N. Bandodkar College of Science, Thane	25/01/2019
Workshop on 'How to write major research Project	Research Committee	25/02/2019
First Preparatory workshop on: Ecology, Ethology and Environment management	Department of Zoology	27/07/2018
Second Preparatory workshop on: Ecology, Ethology and Environment management	Department of Zoology	28/11/2018
National Level Two Days Symposium on:Educational Ethics and Ethics in Research	IQAC and Research Committee	05/12/2018
International Conference on: Ecology, Ethology and Environment management	Department of Zoology	11/01/2019
Lecture on:Career in corporate and caring head to toe : Proctor and Gamble	WDC and DLLE	28/07/2018
Lecture on 'What after third year' Guest: NiketanTaware, Brightways Info, Mumbai	DBT Star College Scheme	06/09/2018
Certificate course in instrumentation and preparation of standard solutions	Department of Chemistry	12/04/2019
Certificate course inTechniques in Molecular Biology (Level1)	Department of Microbiology and Biotechnology	26/11/2018
Solid Waste Management	Department of Environmental Science	25/03/2019
Lecture on Urban Farming	Department of Botany	21/09/2018
Course on Basics of R Software	Department of Statistics	04/02/2019

Career in Clinical Research	Research Committee	23/02/2019
Career guidance lecture on 'Future prospects in microbiology and biotechnology'	Department of Microbiology and Biotechnology	30/06/2018
Lecture on Marine Biodiversity, Conservation Research Scientist, BNHS	Department of Environmental Science	09/10/2018
Thane Creek Convention in Collaboration with Envirovigil, Thane	Department of Environmental Science	26/07/2018
Eco Friendly Ganapati Decoration	Department of Environmental Science	08/09/2018
Urban Farming	Department of Environmental Science	16/02/2019
Study of Insect Diversity in VPM's Campus	Department of Environmental Science	28/09/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
3rd prize for poster presentation in National Conference on "Mangroves and Coastal Resource" by Department of Botany, Shivaji University, Kolhapur.	Mr. Omkar Rajendra Nar	Shivaji University, Kolhapur	12/04/2019	Research Student
1st Prize for poster presentation in World Wetland day Conference on 'Wetlands and Climate Change 2nd February 2019 (UG/PG)	Mr. Omkar Rajendra Nar	Paryavaran Dakshata Mandal in collaboration with SIES College of Arts, Science and Commerce, Nerul	02/02/2019	Research Student
1st Prize for poster presentation in World Wetland day Conference on 'Wetlands and Climate Change 2nd February 2019(UG/PG)	Mr. Ameya Bolinjkar	Paryavaran Dakshata Mandal in collaboration with SIES College of Arts, Science and Commerce, Nerul	02/02/2019	Research Student

2ndPrize for poster presentation in World Wetland day Conference on 'Wetlands and Climate Change 2nd February 2019(UG/PG)	Mr. Kaustubh Kadam	Paryavaran Dakshata Mandal in collaboration with SIES College of Arts, Science and Commerce, Nerul	02/02/2019	Research Student
Received Sharad Naik Vidnan Puruskar,From Marathi Vidnan Parishad	Dr.Kalpita Mulye	Marathi Vidnan Parishad	28/04/2019	Teacher
Member of Reviewer Current Science	Dr.S.D.Rathod	Current Science	25/05/2019	Teacher
Received Reliance foundation Teacher Award	Sayali Daptardar	Reliance Foundation	01/07/2018	Teacher
Deposited 16S rRNA gene sequence of 14 novel bacterial isolates in the international data repository ENA	Dr. Jayashree Pawar and Dr. Kalpita Mulye	International Nucleotide Sequence Database Collaboration, (INSDC)	09/04/2018	Teacher
Best Oral Presentation at National Centre for Nanoscience and Nanotechnology, University of Mumbai	Dr. Rohini Y. Mandhare	University of Mumbai, Nano Express	15/05/2019	Teacher
First prize in Poster presentation in 13th Annual national Conference on "Wetland and Climate Change", SIES College, Nerul.	Ms. Sayali Hate	SIES college	02/02/2019	Teacher
1st prize in Research Paper presentation in National Conference on "Mangroves and Coastal	Mr.Sagar Patankar	Shivaji University, Kolhapur	12/04/2019	Research Student

Resource" by Department of Botany, Shivaji University, Kolhapur.	

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Department of Lifelong Learning and Extension	To cater food service for Cultural Program	Self	To cater food service for Cultural Program	Preparation of snacks for staff	20/12/2018
Department of Lifelong Learning and Extension	To cater food service for Cultural Program	Self	To cater food service for Cultural Program	Preparation of snacks for staff	21/12/2018
Department of Lifelong Learning and Extension	To cater food service for Cultural Program	Self	To cater food service for Cultural Program	Preparation of snacks for staff	22/12/2018
Department of Lifelong Learning and Extension	To cater food service for Cultural Program	Self	To cater food service for Cultural Program	Preparation of snacks for staff	24/12/2018
Department of Lifelong Learning and Extension	To cater food service for Examination	Self	To cater food service for Examination	Preparation of snacks for Examiner	04/03/2019
Department of Lifelong Learning and Extension	To cater food service for Examination	Self	To cater food service for Examination	Preparation of snacks for Examiner	05/03/2019
Department of Lifelong Learning and Extension	To cater food service for Examination	Self	To cater food service for Examination	Preparation of snacks for Examiner	06/03/2019
Department of Lifelong Learning and Extension	To cater food service for Examination	Self	To cater food service for Examination	Preparation of snacks for Examiner	07/03/2019
Department of Lifelong Learning and Extension	To cater food service for Examination	Self	To cater food service for Examination	Preparation of snacks for Examiner	08/03/2019
Department of Lifelong Learning and Extension	To cater food service for Examination	Self	To cater food service for Examination	Preparation of snacks for Examiner	09/03/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Chemistry	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Botany	2	0
National	Chemistry	2	0
National	Physics	1	0
International	Zoology	3	2.95
International	Physics	2	2.95
International	Chemistry	7	2.95

No file uploaded.

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Zoology and Mathematics (Excel Sheet Attached)	3

View File

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Nil	Nil	Nil	2018	0	0	0

No file uploaded.

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nil	Nil	Nil	2018	0	0	0

No file uploaded.

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	27	134	0	14
Presented	3	12	0	0

papers			
Resource persons	0	0	0	6

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Excel Sheet Attached	Excel Sheet Attached	46	939

View File

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Intercollegiate	1st prize Street Play	GANDHARVA Fest	1
Intercollegiate	1st prize Nukkad NataK	S K Somaiya	1
Intercollegiate	NukkadNataK	Govt.of Maharashtra Aids Control unit	1
Intercollegiate	1st prize Street Play	GANDHARVA Fest	1
Intercollegiate	1st prize Street Play	GANDHARVA Fest	1
Intercollegiate	III prize Street play	Kelkar College	1
Intercollegiate	1st prize Nukkad NataK	S K Somaiya	1
Intercollegiate	III prize Street play	Kelkar College	1
District Ignite 2019	Third Price (NSS Unit) Street Play	B.K.Birla College Kalyan	1
Intercollegiate Competion Chem fest	Chem Skit	CHM College Ulhasnagar	1
Intercollegiate	Chem Skit	CHM College Ulhasnagar	1
Intercollegiate	Street Play	GANDHARVA Fest	1
Intercollegiate	III prize Street play	Zapurza Kelkar College	1
Intercollegiate	1st prize Street play	Zapurza Kelkar College	1
Intercollegiate	3rd prize Street Play	GANDHARVA Fest	1

Intercollegiate	3rd prize Street play	GANDHARVA Fest	1	
Intercollegiate	2nd prize Debate Competion	Civil hospital,Thane	1	
Intercollegiate	Debate Competion	SBI,Thane	1	
College level	3rd Race Debate Competion	BNB Thane	1	
College level	Long Jump and Debate Competion	BNB Thane	1	
College level	3rd Race Debate Competion	BNB Thane	1	
District level	Debate Competion	Govt.of India Youth and Sports	1	

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Blood Donation camp	NSS	Blood Donation camp	12	232
Traffic Awareness	NSSTRAFFIC POLICE	Traffic Awareness	2	40
Ganpati Visarjan	NSSTRAFFIC POLICE	Ganpati Visarjan	2	33
Crowd control	NSSTRAFFIC POLICE	Crowd control	2	29
Leprosy Survey Campaign	NSS	Leprosy Survey Campaign	5	60
Traffic Awareness(Ganpati Visarjan)	NSS TRAFFIC POLICE	Traffic Awareness (Ganp atiVisarjan)	2	43
NSS Foundation Day	NSS	NSS Foundation Day	7	260
Road Safety	NSS TRAFFIC POLICE	Road Safety	2	18
Plastic Free Society	NSS	Plastic Free Society	3	20
Cleanliness Drive	NSS	Cleanliness Drive	3	36
Rubella rally	NSS	Rubella rally	3	35
Voters Awareness	NSS	Voters Awareness	3	143
Deaddiction	NSS	Deaddiction	3	158
Blood donation camp	NSS	Blood donation camp	7	15
World AIDS Day	NSS	World AIDS Day	3	35

Traffic Awareness Program	NSS	Traffic Awareness Program	19	235
Farmers day	NSS	Farmers day	3	20
Organic Future rally	NSS	Organic Future rally	2	15
Cleanliness Drive	NSS	Cleanliness Drive	3	9
Tobbaco and its harmful effects	NSS	Tobbaco and its harmful effects	5	163
HIV Awareness	NSS	HIV Awareness	6	146
Oral Health check up	NSS	Oral Health check up	5	153
Voter Awareness	NSS	Voter Awareness	5	147
Republic day	NSS	Republic day	35	207
Little heart marathon	NSS	Little heart marathon	2	25
Water pollution	NSS	Water pollution	3	177
YOGA	NSS	YOGA	3	4
Cycle rally	NSS	Cycle rally	3	60
Swachha harat Abhiyan	NCC Army Boys Unit	Swachha Bharat Abhiyan	2	20
Aids Awareness Programme.	NCC Army Boys Unit	Aids Awareness Programme.	1	25
International Yoga Day	NSS MUMBAI UNIVERSITY	International Yoga Day	9	130
Youth Ambassador	NSS	Youth Ambassador	2	30
Disaster management	NSS	Disaster management	5	200
Orientation Programme(SY NSS Volunteers)	NSS	Orientation Programme(SY NSS Volunteers)	3	60
Cleanliness Drive	NSS	Cleanliness Drive	4	60
Independence Day Celebration	NSS	Independence Day Celebration	35	260
Orientation Programme(FY NSS Volunteers)	NSS	Orientation Programme(FY NSS Volunteers)	3	248
Digi Thane Training Programme	NSS DIGI THANE	Digi Thane Training Programme	4	120
Thane police marathon(Digi Thane)	NSS DIGI THANE	Thane police marathon(Digi Thane)	3	180
Teachers Day	NSS	Teachers Day	17	127

Celebration		Celebration		
No file uploaded.				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
International Conference on "Ecology, Ethology and Environmental Conservation" VPMS B. N. Bandodkar College of Science, (Department of Zoology) in collaboration with the HOPE Nature Trust, Amba Gopal Foundation and SEESCAP	429	HOPE Nature Trust, Amba Gopal Foundation and SEESCAP	02
BNBHOPE ECO Lecture series, Dr. Vinaya Jangle, Wildlife veterinary officer Veterinary Dispensary, Khed, district –Ratnagiri.	62	HOPE Nature Trust,Thane	01
BNBHOPE ECO Lecture series, Dr. Tushar Bandopadhyay, Technical Director , ICPE.	40	HOPE Nature Trust,Thane.	01
BNBHOPE ECO Lecture series Dr.Manas Manjrekar, Deputy director Mangrove Foundation.	25	HOPE Nature Trust,Thane.	01
BNBHOPE ECO Lecture series Ms. Isha Bopardikar, ExResearch fellow, Cornell Lab of Ornithology	24	HOPE Nature Trust,Thane.	01
No file uploaded.			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact	Duration From	Duration To	Participant

		details			
Academic	Academic	Procter and Gambles LTD	28/07/2018	28/07/2018	141
Awareness	Swachha Bharat Abhiyan	Govt.of India	27/09/2018	27/09/2018	22
Awareness	Aids Awareness Programme	Thane Civil Hospital	01/12/2018	01/12/2018	26
Awareness	Traffic Awareness	Thane Traffic Police	14/09/2018	14/09/2018	42
Awareness	Crowd control	Thane Traffic Police	19/09/2018	19/09/2018	31
Awareness	Traffic Awareness (Ganpati Visarjan	Thane Traffic Police	17/09/2018	17/09/2018	45
Awareness	Road Safety	Thane Traffic Police	25/09/2018	25/09/2018	22
Awareness	Voters Awareness	TMC	30/09/2018	30/09/2018	146
Awareness	World AIDS Day	Thane Civil Hospital	01/12/2018	01/12/2018	38
Awareness	Digi Thane Training Programme	DIGI THANE	29/08/2018	29/08/2018	124
Field Work	Fieldwork	HARIYALI	07/07/2018	07/07/2018	22
Field Work	Tree Plantation	HARIYALI	12/08/2018	12/08/2018	17
Field Work	Tree Plantation	HARIYALI	18/09/2018	22/09/2018	27

[View File](#)

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
M/s ATS InfoTech Pvt. Ltd/ Knowledge solutions India A Microsoft –AEP(Authorized Education Partner)	27/02/2018	Guiding the students through seminar, workshop, etc	429
Tata Consulting Services(TCS)	05/02/2019	Career and counselling, job opportunity, etc	145

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
855000	808612

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Koha	Fully	18.11.03.000	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	6242	581023	358	44120	6600	625143
Reference Books	23728	8563553	517	577842	24245	9141395
e-Books	135809	0	0	0	135809	0
Journals	42	59900	41	0	83	59900
e-Journals	6000	0	0	0	6000	0
Digital Database	4	431620	0	0	4	431620
CD & Video	594	0	33	0	627	0
Library Automation	0	0	0	0	0	0
Weeding (hard & soft)	0	0	0	0	0	0
Others(specify)	49	55147	0	0	49	55147

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
Dr Rohini Mandhare	Presentation	D space	01/03/2019
Dr Sandeep Kahandal	Question Bank	D space	01/03/2019
Dr V.M.Jamdade	Notes	D space	02/01/2019
Dr Anita GoswamiGiri	Question Bank	D space	02/09/2018
Dr Anita GoswamiGiri	Presentation	D space	22/11/2018
Mr Abhishek Dani	Presentation	D space	03/03/2019
Ms Mohini Kushwah	Notes	D space	03/02/2019
Ms Pratibha Kadam	Presentation	D space	03/03/2019
Ms Yogita Sonawane	Question Bank	D space	03/03/2019
Ms Rati Sharma	Question Bank	D space	03/08/2018
Ms Rucha Khadke	Question Bank	D space	03/08/2018
Ms. Pooja Kanse	Notes	D space	03/08/2018
Ms Smita Sonawane	Question Bank	D space	04/02/2019
Ms Trupti Londhe	Presentation	D space	04/02/2019
Mr Ajit Bhumkar	Notes	D space	10/03/2019
Mr Pralhad Wagh	Question Bank	D space	10/03/2019
Mr Shubham Mishra	Notes	D space	10/03/2019
Mrs Sunita Mahale	Notes	D space	10/03/2019
Ms Ashwini Torkadi	Notes	D space	10/03/2019
Ms Rati Sharma	Presentation	D space	11/03/2019
Ms Rucha Khadke	Presentation	D space	11/12/2018
Ms. Pooja Kanse	Presentation	D space	11/12/2018
Ms Pooja Kanse	Question Bank	D space	12/08/2018
Ms. Pooja Kanse	Notes	D space	18/08/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	232	6	62	6	1	1	13	62	15
Added	0	0	0	0	0	0	0	0	0
Total	232	6	62	6	1	1	13	62	15

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

62 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video Repository	http://www.vpmthane.org/ytindex/index.php

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
2100000	1881284	2870000	2477331

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The governing body of College along with the Principal decide the guidelines for overall development and accordingly frame policies based on guidelines of UGC, University of Mumbai and Government of Maharashtra. Different committees are formed to look into maintenance and other infrastructural facilities. Purchase Committee scrutinizes the proposal of fund based on need and requirement to ensure optimal utilization. The decision is finalized on the basis of quotations and quality. The purchased material entered into Dead Stock Register and audited by principal at the end of financial year. Library Advisory Committee meets to discuss the function, requirements, utilization of resources and other matter pertaining to the library. All the 4 libraries in the Campus are interconnected and functional with WebOPAC. The books can be issued from neighbouring colleges libraries by completing proper procedure of Inter Library Loan. External membership facility is available for society. Maintenance of the infrastructural facility along with classrooms, gymkhana, Ladies Common Room, Auditorium, Water cooler, Fire extinguisher, first aid box, Aqua guard, Air conditioners etc is taken care by Office administration. In case of any computer related problem an online link 10.1.1.250/software.htm is developed. For petty difficulties, departments entered their complaints into Complaint Register in office for further action. For scrap material, prior permission has to take from College Development Committee and then material is allowed to scrap. Use of Mobile Phone is allowed only for educational purpose whenever instructed by teachers. Students are not permitted in the laboratories without the presence of the faculty teacher. In BNBCS, auditorium of 180 capacities and on the campus 2 auditorium of 180 and 1 auditorium of 380 capacities is available for various programmes. Regular cleaning of classrooms, library, laboratories, college building, and washrooms etc is by housekeeping staff. For segregation of wastes, red dustbin for dry and blue dustbin for wet waste are kept in the departments and corridors. The Biocompost bin is functional in the college premises since last 10 years. Regular Pest control of building and its surrounding is done by college as well as TMC. Parking facility is available for teaching and nonteaching staff. Gymkhana is facilitating students and staff to make the play in sports ground and providing play kits. Varies games, cricket, volleyball, Basketball, Indoor game like T.T, carom and chess. Considering basic needs of female students, Sanitary napkin machine and Incinerator is available in Ladies Common Room. Medical facility is

available for any emergency treatment. For speedy communication, intercom facility is available in every department. Also Public announcement System is available for announcement of notices. Students can consult with the librarian any problems related to the library and its services. The librarian tries to settle them in their capacity otherwise forward them to the Principal of the college. A suggestion box is kept near the Office and in the library seeking valuable suggestions and recommendations from the all the users. The suggestions made by them are taken up and discussed in the IQAC meetings and healthy suggestions are implemented.

http://vpmthane.org/BNB/AboutCollege.aspx

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	GOVT. OF INDIA SCHOLARSHIP AND FREESHIP and ENDOWMENT PRIZES	441	4311178
Financial Support from Other Sources			
a) National	Marathi Vidhyaan Parishad and State Level Microolympiad	8	27000
b)International	Nil	0	0
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Excel Sheet Attached	01/07/2018	1392	Excel Sheet Attached
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Guidance for competitive exams Biotechnology and Microbiology	108	0	6	0
2018	IIT JAM/IISER/ICT tutor and Guidance lecture for	206	41	2	5

| 2018 | Guidance for competitive exams(Physics) | 33 | 33 | 4 | 0 |

View File

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
L and T, Wipro, Capgemini, Skytech Systems PVT, JSW Steel, Sutherland, Neosoft Technologies, S2 Infotech	291	66	Infosys and TCS	43	24

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	135	BSc amd MSc	Excel Sheet Attached	Excel Sheet Attached	Excel Sheet Attached

View File

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
SET	2

View File

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Excel Sheet attached	Excel Sheet attached	1786

View File

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	0	National	0	0	0	Nil

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The college has an active Student Council formed according to Maharashtra public ordinance University act 28, dated 26 November 2017. The Student Council is established every year during the first term of the new academic year after receiving notification from University of Mumbai. The process of selecting the student council is done by inviting for the applications, then scrutiny followed by interview. The student members of the council elect amongst themselves a Secretary of the respective council. The representatives actively participate in conducting various surveys, data feeding and analysis, contacting invitees, helping the departments for correspondence work, logistic help in cultural programmes, NSS camps and sports meets, compeering at seminars and conferences and laboratory assistance. The Council performs a number of activities and renders help of organizational nature such as in Anti Ragging Cell, Grievance Redressal Cell, N.S.S., N.C.C., College Magazine Committee, Sports Committee, Cultural Committee and IQAC. The activities and functions of the student Council Monitors various academic and sociocultural events in the college, maintain overall discipline on the campus, coordinate all extracurricular activities and annual festival of the college, plays a significant role as volunteers in conferences, workshops, sports events and other functions. Student council members interact with other students to motivate them for active participation in academic and cocurricular activities. Through these activities, leadership qualities are enhanced. Students are groomed in leadership position by making them incharge of organizing different college events. The active participation of the representative motivates other students to participate in various programs, ensuring maximum participation of students. The council performs various activities which in turn help in the growth of organization.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

From a marshy piece of land to a campus of 13.5 acres the credit goes to contribution of VPM/ management and sincere efforts of students past and present. It is BNBCS mission to be the best in the field of science education and thus have been contributing towards the same time and again. Various activities are planned with the sole aim. Alumni always have been of utmost help in adding to the same. It is always a pleasure to be in touch with current students hence college formed Anubandh alumni association. Anubandh means attachment or binding/bonding of love that college wish to develop and maintain the relation with all alumni. This group was initiated in the year 2000. Earlier the alumni association was functional in the shaping the policies and overall development of the college. Anubandh has taken a step ahead in strengthening the relationship between the college and alumni. The members of the association are representatives of diverse alumni and are from different streams. On 16 December, 2017 the constitution of alumni was proposed.

Anubandh: constitution of past students of Bandodkar College was unanimously agreed by all attendees. On 10th February, 2018 executive committee was formed. On 24th March 2018 the request letter to VPM Trust registration of Anubandh under VPMs name and executing the formalities for opening bank account were done. The alumni contribute in policy making by their representation in the statutory and academic committees such as IQAC, CDC etc. The alumni meet organized every year, during these meets, achievements, progress, and plans are shared, and feedback is taken, which is taken into consideration while preparing the plans. Under the stewardship of the Principal, the dedicated members of the association work to connect alumni, support students and organize various activities for the stakeholders. The alumni association aims to foster interaction amongst the Alumni, Faculty and the current students. On every Saturday session on life skills, personality development, group discussion, interview preparation etc. were conducted for T.Y.B.Sc students by alumni. Some of the alumni are expertise in their respective fields. They are invited to deliver academic lectures in the campus. The alumni associated with the social reforms are invited in the NSS camps to encourage the volunteers to do social service. Their experience and participation encourage the volunteers. Alumni help us in organizing blood donation camps, tree plantation campaign and other extension work. Some departments invite their outstanding alumni for interactive sessions with the students and staff on the current developments in the field. Also college invite the significant personalities as a chief guest for the annual program which is alumni of the college to inspire the students. Some of the alumni such as, Retired Air vice Marshal Mr. Sunil Nanodkar, Mumbai University's Ex VC professor Dr. Sanjay Deshmukh, Channel Head for Zee24Taas Dr. Uday Nirgudkar, Current Thane District collector Mr. Rajesh Narvekar etc.

5.4.2 – No. of enrolled Alumni:

73

5.4.3 – Alumni contribution during the year (in Rupees) :

19400

5.4.4 – Meetings/activities organized by Alumni Association :

10

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

BNBCS is one of the prime institutes of visionary Vidya Prasarak Mandal (VPM) and committed to 'vision' 'Imparting quality education in science'. The college assures quality in academics and administration process by frequent internal audits, regular documentation and departmental committee presentations which are scrutinized by IQAC. The management has empowered the IQAC to take decisions related to curricular, co curricular and extracurricular activities. To improve the quality of educational provisions and administrative work the entire administration is decentralized. The college has 13 departmental heads and 52 committee coordinators pertaining to various themes. These department and committees meet the Plan as per the scheduled programmes. Departmental club and some committees are having students secretary can reach out to subject wise section to student's community. Decentralization ensures wider deliberations on the issues which are discussed in staff meetings and decision are taken with maximum acceptance. The office administration of the college is headed by the senior clerk who in consultation with the Principal, coordinates the administrative functions. The decentralization of administration has ensured

the improved participation of the faculty and students. The following is an exemplification of the same • Audits and Applications for awards In 201819, audits related to academic aspects, teachinglearning methodology, gender equality, administration of college office and green campus were executed in order to bring high efficiency in functioning and management of overall college. Through these audits, college confirmed whether the action plan fit for the purpose of institutes mission'To mould students into rational thinkers, competent workers and socially aware citizens. For each audit IQAC constituted members taking autonomous decisions at their level for accomplishing the set goals. BNBCS had also ascertained leadership quality by securing ISO 9001:2015 for it, the special delegation of training to the teachers regarding code of conduct and operations. College received IMC RBNQA milestone merit award in Leadership category. For IMC application, College delegated separate RBNQA cell where all teachers were trained for writing application. • BNBCS celebrated Golden jubilee year in 201819 by innovative way Multidimensional progress of students is the foremost priority in functioning of BNBCS. College recognizes and provides platform to explore the hidden intellect and creativity of students through various cocurricular and extracurricular activities. These activities were facilitated by Committee coordinators and Head of respective Departments which are in turn supervised and guided by IQAC and Principal. The decentralization and participative management at student level largely reflected during celebration of Departmental golden jubilee fests such as 'Chemophilic, 'Fitness Fiesta', 'Palvi, popular lectures by BARC scientist, etc. Similarly Research committee had organized 'Poster and Oral Presentations Competition on 'Contributions of Nobel Laureates' while NCC section started with 'Golden Cup for best cadets of the year. Our alumni also contributed in unique way by displaying their opinions about college on a Notice Board titled 'Golden Stride. These all activities were entirely planned and executed by the students. Students also executed noise pollution free cultural programmes of 'Aakanksha Fest'. They were of great success and indicative of collective intellectual strength.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	BNBCS is affiliated to University of Mumbai the curriculum is designed by BOS of respective subjects. The changes in curriculum as prescribed by the university are implemented. Teachers are BOS member for syllabus designing at university level and autonomous colleges as well. College runs department wise certificate courses whose curriculum is designed by faculties of the respective department. College sends faculty for syllabus related workshops and FDP that leads to desired learning outcomes and curriculum development process. College imparts practical knowledge to students through industrial visits, internship, study tours popular lectures and group discussions etc.

Teaching and Learning	Teaching and learning program follows holistic approaches such as use of ICT, well equipped library, activities through movie journal clubs, lecture notes, question bank ebooks on social media, assignments, quiz, seminars, personal dialogues and Additional classes for slow learners, IndustrialAcademic interaction, internship and field visit etc. Students also involved in project based Lifelong learning, Model exhibitions, team work based activities, Leadership skills, and inculcation of social, moral physical fitness values. Various certificates courses are introduced for students to bridge the gap in syllabi. Stakeholder's feedback and IQAC inputs are considered for improving the TeachingLearning.
Examination and Evaluation	The examination pattern is prescribed by University of Mumbai. Teachers are involved in examination work like question paper setting, invigilation, evaluation of answer scripts, internal examiner, subject experts in practical examination etc. Departmental results are analyzed and necessary actions are taken for improvement of result. Orientation is conducted for newly recruited teachers FY students to ensure smooth conduct of the examinations. The college examination committees generates question papers, hall tickets and result sheets for FY and SY BSc students while TY and PG is done by university. The university has introduced the OSM evaluation system for TY PG.
Research and Development	The Research committee and Science squareSchool college complex committee strives for promotion of research culture and encourages its staffs for research projects, consultancy work, and publications in academic journals and participation in professional programmes. A "Science SquareSchoolCollege complex committee has been propagating research culture among the students and around Schools. In Research Scholar Program and DBT Star Scheme, advance learners carries miniprojects and they are encourages to publish their research in college ISSN ejournal JBNB. Annually College organizes an international conference along with two preparatory workshops.

Library, ICT and Physical Infrastructure / Instrumentation	Strict surveillance is implemented at all access point. Entry of stakeholders is restricted using Smartcards. Green and WiFi campus, botanical/butterfly garden, Biocompost, well equipped auditoriums, classrooms, laboratories, administrative office, staff room, Examination cell, Gymkhana, Ladies Room, audiovisual rooms, open air theatres, Jnanapath, Photocopy centre, canteen, Recreation centre, etc. are key factors. LAN connected computers with servers, Direct Lease lines, Computers, Laptops, LCD projectors, Scanners, Web printer, Printer, Photocopy machines, announcement system, etc. Library automated with Koha software and Institutional Repository is developed for content management. Separate place for Yoga centre, NCC, NSS, Cultural. Suggestion box for improvement.
Human Resource Management	The institute has employee friendly hierarchical flow of information. Orientation is given to the newly recruited staff. Delegation of power shared responsibilities for successful completion of the task as per capacity, interest and expertise of staffs. Teachers are appreciated for their achievements annually. Regular meeting of stakeholders is conducted for innovative planning and implementation. Recruitments of staff are as per the UGC, Govt. of Maharashtra and UOM norms. However staff in aided and unaided section is appointed by management. The unaided staffs are given increment on serving for consecutive 3 years and also for qualifying eligibility.
Industry Interaction / Collaboration	Eminent personalities from industry interact with students through the departmental clubs activities and also in conferences/seminars/workshop. Industry experts are invited to deliver lectures and interact with the teaching staff and students. Industrial visits are arranged for students. Employment cell invites renowned companies for campus placements such as Cap Gemini, TCS etc. College has Collaboration with HOPE, Hariyali, Jidnyasa TERI, SACCON, WWF, SREERAM, NASS, IAAB, TMC, ZP etc. for various activities. Employment cell arranged renewed lectures on interview skill ,presentation skill etc.

Admission of Students	Merit based Online admissions with online payment are given to the students as per the rules and regulations governed by the Government of Maharashtra and University of Mumbai with transparency. Help desk is available for all students during May vacation till the admission process ends. Subject wise Flex boards and Flyers are displayed throughout the year. Detailed prospectus containing information regarding different courses, fees structure, cancellation process exam pattern, staff members etc available on website. For diploma courses the norms laid down by VPM are followed. The college has MIS system where all academic and administrative activities loaded on website.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	To reach beyond the excellence and making quality happen, two ways communication is inculcated in the institute. Hence, calendar is designed in the beginning of academic year which includes details of academic, administrative and extracurricular activities. Management level meetings of all Principals/Directors of various institutes take place on monthly or bimonthly basis, thereby keeping a tab on the management validation and verification of the VPM as well as the institutes at the individual level. In the meeting of management and Heads of all institutions, the strategic planning, decisions are taken and roadmap for the same is decided. In every meeting a review of past work is taken and future activities are discussed and planned. Principal is invited for meetings by Jt. Director (Govt.) and University of Mumbai whenever there are any changes in the rules and regulations. The staffs attend university meetings timely that tend to the various needs and changes with respect to the curriculum and the student centric activities. The Principal then explains and discuss the decisions taken in management meeting to the Departmental Heads. IQAC coordinator is the part of the meeting along with vice principal. The IQAC members are the primary Strategic

	Planning group. Principal and IQAC coordinator discuss the decision of the management accordingly, supporting decisions are kept in CDC, for approval. In addition to this some college policies are decided in CDC meetings. Any new decision to be implemented is first discussed with Heads of departments, concerned coordinators accordingly programmes are modified and implemented taking into consideration all pros / cons. Vice Principal is appointed by the management in consultation with the Principal and he/she performs supporting role and acts as I/C Principal in absentia of the Principal. Social media and emails are used for the communication and discussion for day to day activities along with personal dialogues. For the overall growth of students, HODs conducts meeting with departmental staffs for the strategic planning in the said manner PlanDoStudyActfeedbackimprovement. The Core competencies are reviewed by IQAC through internal and external audits, feedback forms and PTA meetings that are taken across the year. Principal conducts meeting with nonteaching and teaching staff at the beginning of the year and term end and also as per the situational demands. The meetings key agenda comprises of execution procedures and to update the routine work. Many activities pertaining to teaching, learning and research are covered during these meetings and planning processes. A Progressive institute is the one which abides by the time and hence at BNBCS, Principal, IQAC and HOD's make sure that the short and long term time horizons are well addressed.
Administration	Administrative information including important notices is regularly uploaded on the website as well as displayed on the students, general staff notice board and on attendance muster. The same displays on the screen for students and other stakeholders. All inwards such as policies, rules and regulations, circular related higher education are mailed to official mail Id of teachers, respective coordinators and nonteaching faculties. The college is connected through highspeed internet

		of bandwidth 62 MBPS and WiFi campus. Fully automated office, biometric attendance for staff, computerized examination cell and online attendance, admissions and smartcard system in library. Students are informed important notices through Public Announcement System. College encourages administrative staff to maintain the data through the proper use of ICT.
	Finance and Accounts	The institution prepares annual budgets for allocation of funds for effective use of available resources. The college budget is prepared taking into consideration the priorities that needs to be catered during the year. The College uses the SR software which is developed by the college management for transparent functioning of Finance and Accounts department of the college. The college conducts regular (monthly / quarterly) audit of books of accounts. The administrative staffs maintain the Books of Accounts properly which helps in auditing procedure to maintain the accuracy in financial transactions.
	Student Admission and Support	College is continuously in touch with stakeholders through social media, suggestion box, complain register, website, email, telephonic and personal communication etc. to improve further and take more quality enhancement measures such as enrolment, examination, results, online feedback, request for certificates, issuing Icards. The student admission and administrative work is carried out digitally. Admission is given strictly on Merit basis under the norms of University of Mumbai and Government of Maharashtra. Payment of Fees can be made on instalment basis. Travel concession is available for students. Earn while Learn scheme is available for economically weaker students College library provide book bank facility to low income group, meritorious and socially weaker students. Study material is available in Institutional Repository and can be accessible from anywhere. Attendance of the students is recorded in Digital Attendance System.
	Examination	Examination pattern is as per rules and regulation of university of Mumbai. College Examination committee have separate room under the surveillance of

camera and equipped with ICT tools such as separate Desktops with Internet Facility, printer, copiers for downloading and printing question papers from university portal. Fully operational of ICT technique is developed by IT department in 201819 for College examinations. Project was named as "BNB_Examination". This software is having lots of features. In addition to Revaluation process entire regular and ATKT examination process is handled by this software. Some features of the programme are as follows 1. Hall tickets generation 2. Exam attendance report generation 3. Marks entry report 4. Student data entry (individually) 5. Student data entry (Bulk) 6. Online marks entry 7. Student Reports (department wise , subject wise) 8. Subject statistics 9. Revaluation forms 10. Revaluation receipts 11. Revaluation mark sheets 12. Revaluation online marks entry

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Excel Sheet Attached	Excel Sheet Attached	Please Refer the attached Excel Sheet	13500
[View File](#)				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	ISO 9001 2015 Training	ISO 9001 2015 Training	25/04/2019	25/04/2019	11	12
2018	BRAIN STORMING session for T NT	BRAIN STORMING session for T NT	08/11/2018	08/11/2018	90	0
2018	Seminar on Educationa	Seminar on Educationa	05/12/2018	06/12/2018	90	103

	l ethics	l ethics				
2018	Workshop on Samarth Teacher as a Nation Builder	Workshop on Samarth Teacher as a Nation Builder	03/04/2019	03/04/2019	47	0
2018	How to write major research project	How to write major research project	25/02/2019	25/02/2019	54	0
2018	English Communication course for office staff	English Communication course for office staff	24/05/2019	13/06/2019	0	20
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Refresher Course	3	03/07/2018	12/12/2018	21
Faculty Development Program	3	04/10/2018	16/12/2018	5
Faculty Development Program	1	29/03/2019	29/03/2019	1
[View File](#)				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Yoga classes, With pay Duty leave given to attend seminar/ conferences/ workshops staff felicitation on his retirement and appreciation, RO water facility available, Medical health camp, Teaching Salary is paid by the management for newly recruited staff	Yoga classes, Staff felicitation on his retirement, RO water facility available, Medical health camp, VPM's Employees' Coop. Credit Society, Loan Facility, Interest free Festival advance is given, Awareness lectures for physical mental health and wealth,	Yoga classes, Book bank facility (low financial income, meritorious students and unaided courses along with reserve category students), Intercampus library facilities, Competition Examination book, Annual magazine 'Sanyuja' published by BNB. Serves as platform

till government's approval is received, VPM's Employees' Coop. Credit Society, Loan Facility, Awareness lectures for physical mental health and wealth, VPM publishes monthly magazine 'Disha' which serves as a platform for sharing expressions of management and VPM staff from 1996, Intercampus library facilities, Competition Examination related to SET/NET book, In an emergency college association with Dr. BEDEKAR hospital, Thane well equipped gymkhana to increase physical strength, Recreation activity like Carom Club Acharya Abhinav Katta for swaranjali, Gymkhana facility, Gymkhana arranges sports day for teaching staff and felicitation of winners

Gymkhana facility, VPM publishes monthly magazine 'Disha' which serves as a platform for sharing expressions of management and VPM staff from 1996, Intercampus library facilities, Uniform is given for unaided class IV employees, Gum boots and rain coats are given to watchmen, The nonteaching staffs of the chemistry department are provided with gloves and safety goggles, In an emergency college association with Dr. BEDEKAR hospital, Thane well equipped gymkhana to increase physical strength, Recreation activity like Carom Club Acharya Abhinav Katta for swaranjali, Gymkhana arranges sports day for nonteaching staff and felicitation of winners.

for expressing hidden literary talents of students from 1976, EarnLearn scheme for needy students, Group insurance for students, Two security gates under observation of security guards, Jnanapath to have a receptacle of the moving mind, Recreation activity like College Katta Acharya Abhinav Katta for swaranjali, Concessions in travelling, Well equipped ladies/girls common room, Special coaching facility for various games, Vendor disposal machine in ladies common room, International / National level winner also get felicitated, TA/ DA are paid to the students for participation in extracurricular activities, RO water facility available Medical health camp, In an emergency college association with Dr. BEDEKAR hospital, Thane well equipped gymkhana to increase physical strength, Social Awareness programme through NSS ,NCC and WDC Counselling services, Literary association to promote reading habbits, writing skills etc.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

BNBCS conducts internal and external financial audits regularly to monitor financial balance and transparency in accounts. The external audits such as Government audit, Zilla Parishad (Z.P.) audit and Joint Director (J.D.) audit, University and UGC authorities and internal audits are done by Management and IQAC of College. Qualified chartered accountant internal auditor takes a sight quarterly at the planning and actual functioning of the budget to minimize the errors. However, an external chartered accountant audited the financial statement of the college including books of accounts, vouchers, statement etc periodically. If any discrepancy in expenditure is borne by the college.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Mangroves cell	293000	To preserve Biodiversity
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6.4.3 – Total corpus fund generated

34591130

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Ex IQAC coordinator, IQAC Societal Member, Alumina, Management Members, Industrial stakeholders	Yes	Constitute Committee by IQAC
Administrative	Yes	Ex IQAC coordinator, IQAC Societal Member, Alumina, Management Members, Industrial stakeholders	Yes	Constitute Committee by IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

 Parent teacher meetings are conducted for all UG and PG courses. 1. Syllabus related feedback 2. Performance of the student, 3. Departmental activities etc are discussed. Suggestions and feedback are taken from the parents and changes are implemented.

6.5.3 – Development programmes for support staff (at least three)

 1. The college was trained with laboratory safety and precaution to avoid the accidents in laboratory. 2. Computer Training for the non teaching staff so that they are able to handle the online admission and registration of students. 3. English Communication course for office staff

6.5.4 – Post Accreditation initiative(s) (mention at least three)

 1. Strengthening of Alumini association 2. Application for Autonomy 3. In receipt of ISO 9001:2015 certification 4. Applied for RUSA 5. In receipt of awards in RBNAQ IMC in leadership category 6. Applied for DBTStar scheme by Microbiology and Biotechnology Department 7. To inculcate research aptitude among students

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No

c)ISO certification		**Yes**		
d)NBA or any other quality audit		**Yes**		

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	**Rusa application (1st application)**	**29/05/2018**	**29/05/2018**	**29/05/2018**	**34**
2018	**Golden jubilee year celebration**	**11/06/2018**	**11/06/2018**	**10/06/2019**	**2146**
2018	**Remedial courses**	**18/06/2018**	**18/06/2018**	**23/06/2018**	**1963**
2018	**Training by IT department students to all teachers for use of Swayam and MOOC**	**07/07/2018**	**07/07/2018**	**07/07/2018**	**90**
2018	**To understand SSR as per new guideline for IQAC members and related committee coordinators**	**11/07/2018**	**11/07/2018**	**13/07/2018**	**18**
2018	**Career guidance and placement cell**	**20/09/2018**	**20/09/2018**	**16/03/2019**	**90**
2018	**IMC application in leadership quality**	**25/10/2018**	**25/10/2018**	**25/10/2018**	**14**
2018	**Skill development and startup program**	**21/12/2018**	**21/12/2018**	**24/12/2018**	**25**
2019	**Green campus competition application**	**06/06/2019**	**06/06/2019**	**06/06/2019**	**6**
2019	**RUSA 2nd application**	**10/06/2019**	**10/06/2019**	**10/06/2019**	**6**
2019	**Skill**	**04/03/2019**	**04/03/2019**	**09/03/2019**	**10**

2019	Autonomy meeting and workshop by IQAC and Principal	20/03/2019	20/03/2019	20/03/2019	156
2019	Autonomy meeting and workshop by IQAC with external panel	27/03/2019	27/03/2019	27/03/2019	106
2019	Autonomy Application	28/05/2019	28/05/2019	28/05/2019	106
2019	ISO application	23/05/2019	23/05/2019	23/05/2019	20
2019	Teaching learning audit	14/06/2019	14/06/2019	14/06/2019	88
2019	Gender audit	24/06/2019	24/06/2019	24/06/2019	0
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Health, Hygiene and promotion of sustainable Menstruation option	31/08/2018	31/08/2018	185	0
'WOMEN DIGNITY'	28/09/2018	28/09/2018	104	70
Movie Review & Debate Competition	17/08/2018	17/08/2018	7	7
Gender audit has been undertaken	24/06/2018	24/06/2018	7	2

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Currently regular functioning of the institution is majorly utilizing conventional energy resource. Efforts are being made to make learners aware about the importance of limiting energy resources. In 2015, Solar mobile charger port was installed in common staff room, that is being appreciated and used regularly by Teaching and non teaching staff members. BNBCS believes that

multilevel efforts would help institute reach the goal of environmental sustainability

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	No	0
Provision for lift	No	0
Ramp/Rails	No	0
Braille Software/facilities	No	0
Rest Rooms	Yes	1
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	0	1	26/09/2018	8	Plastic free society	Raising awareness about hazards of plastic	20
2018	0	5	18/09/2018	40	Old cloths collection drive	3982 collected cloths donated to Goonj foundation working for under privileged, disaster victims.	55
2018	0	1	17/09/2018	8	Support team for ganpati visarjan	Discipline maintenance during immersion procession	20
2018	0	1	14/09/2018	8	Assisting Traffic police	Traffic management	40

						team		
2018	0	9	01/06/2018	3	Centre for conducting Examination	Being situated at the prime location many government and non government organizations are considering the college as preferred centre.	300
2018	0	1	01/05/2018	3	CAP centre	Since implementation of on screen marking system the college is providing the infrastructure for the facility of OSM assessment of university conducted examinations to faculties of various subjects from other colleges too, papers.	92
2018	0	1	29/04/2019	24	Voting centre	The college campus has been the prime centre of choice to conduct and	600

	manage voting.

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
College brochure	06/06/2018	College brochure provides students with guidelines, rules and regulations and code of conduct as per the University of Mumbai, Maharashtra Act – 2005(238/9), 2016 2017 related to the functioning of college. Information related to oath, various courses, fees structure and its schedule, admission, scholarship and endowment prize, library, co and extracurricular activities,anti ragging, counselling and mentor, etc is provided. College brochures are updated every year in the month of June before the start of academic year.
ISO Manual	28/05/2019	Control and uncontrolled issues along with Standard Operating Procedure of College are mentioned. According to the 7th pay commission for Teaching February 20, 2019 Salary – 2019/Ref No. 8 /Service 1 and Non teaching February 22, 2019 Salary – 1219/Ref No. 19 /19/DNT 3 role and responsibility of Principal, Vice Principal, IQAC coordinator, Heads, In charge of Computer and Management System, Teachers, Librarian , Senior Clerk , Committee coordinators, various Council member, Examination, Admission and Evaluation process, WDC, Anti Ragging, Internal Compliant cell, Special Cell, DLLE, RTI etc.... are performed as per the revision of

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Andhashraddha nirmulan	10/08/2018	10/08/2018	265
Independence day celebration	15/08/2018	15/08/2018	250
NSS orientation programme	24/07/2018	24/07/2018	60
NSS Foundation Day	24/09/2018	24/09/2018	260
Peace Day	28/09/2018	28/09/2018	158
Independence Day Celebration	15/08/2018	15/08/2018	260
Rakshabandhan celebration	25/08/2018	25/08/2018	93
Sadbhavana divas	30/08/2018	30/08/2018	200
Teachers Day	05/09/2018	05/09/2018	127
Voters awareness	30/09/2018	30/09/2018	187
Deaddiction	01/10/2018	01/10/2018	150
Gandhi Jayanti	02/10/2018	02/10/2018	160
Swachha Bharat Abhiyan	02/10/2018	02/10/2018	20
Unity day	31/10/2018	31/10/2018	120
Constitution day	26/11/2018	26/11/2018	20
World Human Rights Day	15/12/2018	15/12/2018	137
Yuva Din	20/01/2019	20/01/2019	180
Martyr's day celebration	30/01/2019	30/01/2019	173
Republic day	26/01/2019	26/01/2019	207
Yoga Sadbhawana	02/02/2019	02/02/2019	4

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

VPM's B. N. Bandodkar College of Science, in Thane has been pioneer institute in the field of Environmental education and awareness. Institute is taking a lead in upbringing the environment conscious citizens. It is setting its own example by following various sensitization activities and also making community participate in many programs and drives. The college itself has history of fundamental research on pollution status and ecology of Thane Creek way back since early 80's. Continuing with that legacy management and staff has always been in the forefront when it comes to environment. In accordance with this tradition the college has been consistently undertaking various environment pro activities in the campus and set up itself as a role model for ecofriendly campus. Initiatives like biocomposting and plastic waste collection drives help in reducing carbon footprint of the campus, while on the other hand, Ewaste collection drive and ecolecture series which is open for all, plays important role in inculcating awareness in the society. These relentless efforts over the

decades, have also been recognized and appreciated by Thane Municipal Corporation by awarding first prize for Green campus in Thane city. Following are the few noteworthy ecofriendly activities to mention: • E waste collection drives. • Well maintained green campus. • Active biocompost set up. • BioComposting of Garden waste. • Proper waste Segregation. • Plastic waste Collection. • Rain water harvesting set up on the campus. • College office works with motto "less paper office". • Solar mobile charging port installed. • BNBHOPE Eco lecture series. • Carbon sequestration potential of campus trees. • Annual Electricity audit of the campus. • Annual Water audit of the campus. • Maintaining Butterfly garden.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 : Proactive Benchmarking Best Practice 2 : Carbon Sequestration potential of tree species of VPM Campus, Thane

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

http://www.vpmthane.org/BNB/Best%20Practices.aspx

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The aegis of VPM's B. N. Bandodkar College of Science (1969) is functioning and educational hub' in Thane, that nurtures inquisitive young minds and transform in science lovers into more responsible, socially aware citizens. BNBCS is the single faculty Science College affiliated to University of Mumbai. Institute is committed to provide 'Quality education in science' which is carved as vision of BNBCS. Faculty believes in fundamental learning sciences and their societal applications. To generate and nurture scientific temperament, multidimensional efforts are being made for the benefits of learners. Few are as follows: Intention: Planned execution 1. Curriculum enrichment: add on and certificate courses 2. Practical application: Minor and mini research project, hands on training workshops 3. In situ learning : Excursion and field visits 4. Broadening views, knowledge updation: National / international conferences, seminar, symposia 5. One on one interaction with stalwarts: Guest lectures 6. Opportunity to compete : Intradepartmental, intercollegiate competitions 7. Help in decision making : Career and competitive examination guidance 8. International exposure : Promotion to participate in international competitions 9. Expressing skill development: Journal and movie club 10. Enhancing scientific writing skills : JBNB 11. Analytical and problem solving abilities : Research scholar program 12. Sharing knowledge and making 'teaching as learning tool': Science square 13. Creative thinking, event management and recourse generation :Departmental festivals Students participated in various state level, intercollegiate research competitions: 1. Winner of research project competitions organized by Marathi Vidnyan Parishad a. Ms Himadri Kale, Ms. Komal Gavas, Ms. Manali Neman and Ms. Saee Joshi Project name: Culturomics based approach for isolation of novel PGPR (Plant Growth Promoting Rhizobacteria) b. Ms Latika Anchan and Ms Snehal Poojary Project name : Novel and ecofriendly staining method for proteins separated by Polyacrylamide gel electrophoresis 2. National Conference on "Mangroves and Coastal Resource" by Department of Botany, Shivaji University, Kolhapur Mr. Sagar Shirish Patankar : 1st prize in Research Paper presentation in Mr. Omkar Rajendra Nar : 3rd prize for poster presentation 3. World Wetland day Conference 2019 (UG/PG) Mr. Sagar Shirish Patankar, : Mr. Omkar Rajendra Nar and Mr. Ameya Bolinjkar 1st Prize for poster presentation in Mr. Kaustubh Kadam : 2nd Prize for poster

presentation 4. Attended Bird of the day During Zoomerang (Bird Race) organized by Dept. of Zoology, V.G. VAze College of Arts,Science and Commerce. Ms. Tanuja Yadhav and Mr. Omkar Rajendra Nar. Following are few efforts taken to build rational thinkers Intention : Planned execution 1. Identifying social needs : Designing NSS, NCC activities 2. Event management, team work : Through cultural, NSS, NCC other program execution 3. Discipline : Training to become volunteers for different programs , NCC 4. Respect : Protocol following during all events. 5. Selflessness : No monitory benefits 6. Striving for excellence : Feedback systems written, verbal 7. Organizational skills : Students council, various students' committees 8. Leadership training : Secretaries for various committees

Provide the weblink of the institution
http://vpmthane.org/BNB/AboutCollege.aspx

8.Future Plans of Actions for Next Academic Year

• To apply for NIRF ranking • After receipt of Autonomy, need to functions accordingly • To improve research activity and publication • To inculcate scientific values among students • To conduct Life skill sessions by counsellor for students activity • To improve mentor, WDC and placement cell activity • To enhance MOUs for student exchange and faculty exchange program • To establish linkages with industry to enhance employment opportunities for students. • To conduct Orientation, refresher course and short term course programs • To introduce "Naipunya" certificate courses • To conduct national conference by physics department • To conduct RBPT program for teaching staff • To conduct IPR workshop • To update website regularly • To conduct State level seminar on teaching learning methodology by IQAC • To fetch funds from Government and Non Government agencies. • To arrange program on Stress Management for Staff and Students. • To provide a platform that facilitate and promotes partnership and intellectual exchange between academy and industries • 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 JBNB 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. Publication of e magazine Sanyuja xxix. Mentor System xxx. Career orientated lectures through Placement cell. xxxi. Parents meetings. xxxii. Alumni meet