

**VIDYA PRASARAK MANDAL'S
B.N. BANDODKAR COLLEGE OF SCIENCE, THANE**

On Line -AQAR 2012-13

1. Kindly provide the details of the institution

Name of Institution:	B.N. BANDODKAR COLLEGE OF SCIENCE,
Year of Establishment of the Institution:	1969
Address Line 1:	Jnandweepa, Near CIDCO bus stop
Address Line 2:	Chendani
City/Town:	Thane
State:	Maharashtra
Postal Code:	400601
Email Address:	prinbnb@vpmthane.org

2. NAAC Accreditation/ Reaccreditation Details

Year of Accreditation/ Reaccreditation:	2010
Current Grade:	A
CGPA:	3.04
3. Institutional Status	UGC recognized under 2f and 12B

4. Contact Person Details

Name of Head of Institution:	Dr. (Mrs) M.K. Pejaver
Contact Phone:	
Email:	formpejaver@yahoo.com prinbnb@vpmthane.org
Website URL:	
Name of IQAC Co-ordinator	Prof (Mrs) M.J. Gholba
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SECTION I

This section is related to institutional goals, vision and mission, academic programmes and activities, strategies and action plans for institution building.

5. Number of academic programmes existing (Enter a number; 0 for nil)

Number of academic programmes existing (Enter a number; 0 for nil)	11
Undergraduate (BA/B.Sc./B.Com etc.)	
Post Graduate (MA/M.Sc./M.Com etc.)	09
Research Programmes (M.Phil/P.hD)	05
Certificate Programmes	08
Professional Programmes	
(B.Tech/M.Tech/B.Ed/M.Ed/Medicine/Pharmacy/Paramedical/Nursing etc)	0
Other value added programmes	30
Any other programme offered (Specify)	3
YCMOU-B.L.I.Sc. M.L. I. Sc. Journalism	

6. Details on Programme Development (Enter a number; 0 for nil)

New programmes added during the year	05
New programmes designed	05
Programmes under revision	04
Interdepartmental collaborative programmes	10
Inter institutional collaborative programmes	04
Number of review committee recommendations implemented (Total)	08
Number of NAAC peer team recommendations implemented	09
Number of UGC/any other expert committee recommendations implemented	06
Number of review committee recommendation under implementation	01
Number of NAAC peer team recommendations under implementation	01
Number of UGC/ any other expert committee recommendations under implementation	01

7. Faculty Details (Enter a number; 0 for nil)

Total faculty strength required as per norms for all programmes	60
Total faculty on rolls	57
Faculty added during the year	5
Faculty positions vacant	9
Faculty left during the year	0
Total number of visiting faculty(IT=8+biotech=2)	10
Total number of guest faculty (IT)	3

8. Qualification of Faculty

PhD and Above	22
M.Phil	6
Masters	20
Any other (Specify) NET/SET	9

9. Faculty qualification improvement

PhD awarded to existing faculty	1
M.Phil awarded to existing faculty	0
Any other degree awarded to existing faculty	0

10. Administrative Staff Details (Enter a number; 0 for nil)

Administrative staff (total sanctioned)	36
Administrative staff (Actual strength)	39
Added during the year of reporting	18
Left during the year	01
Number of posts vacant	00

11. Technical Support Staff Details (Enter a number; 0 for nil)

Technical Support Staff (Total sanctioned strength)	61
Technical Support Staff (Actual strength)	59
Added during the year	15
Left during the year	05
Number of posts vacant	07

SECTION II

This section surveys the quality sustenance and development activities during the year taken up by IQAC. It reflects quality management structure, strategies, and processes which would enhance academic quality of the institution as perceived by faculty, students, alumni, and other stakeholders (social perception of the institution) inline with the vision, mission and goals of the institution.

12. Establishment details

Year of establishment of IQAC : 14 Jan 2004

13. Composition of IQAC (Enter a number; 0 for nil)

Number of IQAC members	19
Number of Alumni in IQAC	02
Number of Students in IQAC	00
Number of Faculty in IQAC	11
Number of Administrative Staff in IQAC	01
Number of Technical Staff in IQAC	01
Number of Management Representatives	02
Number of External experts in IQAC	01
Number of any other stakeholder and community representatives	01

14. IQAC Meetings

Number of IQAC meetings held during the year 10

15. Whether Calendar of activities of IQAC formulated for the academic year: Yes

16. IQAC Plans for Development (Enter a number; 0 for nil)

Number of academic programmes proposed.	05
Number of value added programmes proposed	22
Number of skill oriented programmes proposed	08
Number of faculty competency and development programmes proposed	02
Number of other staff development programmes proposed	03
Number of student mentoring programmes proposed	04
Number of co-curricular activities proposed	08
Number of inter departmental cooperative schemes proposed	04
Number of community extension programmes proposed	08
Any other programmes proposed (Specify)	04

17. IQAC Plans for development & Implementation (Enter a number; 0 for nil)

Number of academic programmes implemented	05
Number of value added programmes implemented	30
Number of skill oriented programmes implemented	15
Number of faculty competency and development programmes implemented	02
Number of other staff development programmes implemented	02
Number of student mentoring programmes implemented	02
Number of co-curricular activities implemented	10
Number of inter departmental cooperative programs implemented	05
Number of community extension programmes implemented	06
Any other programmes suggested that are implemented)	02

18. IQAC Seminars and Conferences (Enter a number; 0 for nil)

Number of seminars/ conferences/ workshops organized by IQAC within the institution	03
Number of participants from the institution	545
Number of participants from outside	140
Number of external experts invited	65
Number of external conferences/seminars/ workshops on institutional quality attended.	03
Number of events conducted with IQACs of other institutions as collaborative programmes.	00

19. Did IQAC receive any funding from UGC during the year? No**20. If the response to Qn. 19 is Yes, please provide the amount received from UGC - (Input 0 - if NA/NIL-) Any other source including internal financial support from the management (Specify amount)**

Amount Received from UGC	00
Amount Received from any other source including the college management	00

21. Any significant contribution made by IQAC on quality enhancement during current year (Please provide details in bullet format)

- ✓ Departmental audit process was modified further and was implemented in all the departments. A specified format for the same was prepared.
- ✓ New courses B.Sc. (Biochemistry), M.Sc. (Physics – By Research), M.Sc. (Environmental Science – By Research) are started.
- ✓ We have added 2-value added courses- Basics of R- programming, Personality development and Skill Development courses- Jam jelly making,
- ✓ Teacher's diary was modified designed in which the teaching staff records the activities in the entire year.

- ✓ Computerization of attendance for all classes is done. This is ongoing process and we will modify according to need.
- ✓ Two national seminars and one state level seminar were conducted.
- ✓ I.T. staff developed the software for online MCQ test for IT and Comp Science students.
- ✓ Lecture for girl students on self awareness was conducted by WDC.
- ✓ Addition of material is done in Digital repository.
- ✓ Collection of all Committee reports and Departmental reports through e-mails, continues.
- ✓ Book bank facility has been extended to merit holders from T.Y. B.Sc. class.
- ✓ All the notices were communicated through webmail, are also notified on intra web calendar.

5 SECTION III

In this section the events, activities, and outputs in the field of research and academic areas are being surveyed.

22. Academic Programmes

Number of new academic programmes developed or designed by faculty	06
Number of faculty members involved in curriculum restructuring/revision/syllabus development	14
Number of programmes in which evaluation process reformation taken up and implemented	10
Number of active teaching days during the current academic year	188
Average percentage of attendance of students	75
Percentage of classes engaged by guest faculty and temporary teachers.	40
Number of self financed programmes offered	12
Number of aided programmes offered	13
Number of programmes discontinued during the year	00

23. Whether any systematic student feedback mechanism is in place?

Yes. Student feedback mechanism is in place.

24. Feedback Details (If answer to Question 20 is Yes) 100%

Feedback was taken from UG students about the teachers, non teaching staff and the facilities & services offered in the administrative office, library and gymkhana.

25. Is feedback for improvement provided to the faculty? Yes

26. Faculty Research, Projects, and Publication details for the year

Number of major research projects undertaken during the year	01
Number of minor research projects undertaken during the year	06
Number of major ongoing projects	02
Number of minor ongoing projects	06
Number of major projects completed	04
Number of minor projects completed	04
Number of major project proposals submitted for external funding	01
Number of minor project proposals submitted for external funding	04
Number of research publications in peer reviewed journals	83
Number of research publications in international peer reviewed journals	00
Number of research publications in national peer reviewed journals	00

Number of research papers accepted for publication in international peer reviewed journals	00
Number of research papers accepted for publication in national peer reviewed journals	00
Average of impact factor of publications reported	01
Number of books published	03
Number of edited books published.	03
Number of books (single authored) published	00
Number of books (coauthored) published(kurve)	05
Numbers of conferences attended by faculty	147
Number of international conferences attended	06
Number of national conferences attended	56
Number of papers presented in conferences	32
Number of papers presented in international conferences	06
Number of papers presented in national conferences	26
Number of conferences organized by the institution	03
Number of faculty acted as experts resource persons	15
Number of faculty acted as experts resource persons - international	03
Number of faculty acted as experts resource persons- national	12
Number of collaborations with international institutions	01
Number of collaborations with national institutions	12
Number of linkages created during the year	07
Total budget for research for current year as a percentage of total institution budget	0.2 %
Amount of external research funding received in the year	1869607
Number of patents received in the year	01
Number of patents applied for in the year	00
Number of research awards/ recognitions received by faculty and research fellows of the institute in the year.	01
Number of PhDs awarded during the year	01
Percentage of faculty members invited as external experts/resource persons/reviewers/referees or any other significant research activities	25

6 SECTION IV

This section deals with Student Mentoring and Support System existing in the institution. This includes student activities, mentoring, and opportunities for development and inclusive practices.

27. Student Details and Support Mechanisms

The total intake of students for various courses (Sanctioned)	1910
Actual enrollment during the year	1479
Student dropout percentage during the year	2
Success percentage in the final examination across the courses	69
Number of academic distinctions in the final examination and percentage	125
Number of students who got admitted to institutions of national importance	80
Number of students admitted to institutions abroad	05
Number of students qualified in UGC NET/ SET	00
Number of students qualified GATE/ CAT/ other examination (Specify)	00

28. Does student support mechanism exist for coaching for competitive examinations?

29. Student participation, if response is yes to Qn. 28 Number of students participated.

30. Does student counseling and guidance service exist? Yes

31. Student participation, if answer to Qn. 30 is yes

Number of students participated- 1040.

32. Career Guidance

Number of career guidance programmes organized	06
Percentage of students participated in career guidance programmes	40

33. Is there provision for campus placement? Yes.

34. If yes to Qn. 32

Number of students participated in campus selection programmes	136
Number of students selected for placement during the year	15

35. Does gender sensitization program exist ? Yes

36. If Answer is Yes to Qn 34

Number of programmes organized: Three

37. Student activities

Number of students participated in external cultural events	75
Number of prizes won by students in external cultural events	01

Number of cultural events conducted by the institute for the students	14
Number of students participated in international sports and games events	00
Number of students participated in national level sports and games events	00
Number of students participated in state level sports and games events	00
Number of students participated in university level sports and games events	45
Number of prizes won by students in international sports and games events	00
Number of prizes won by students in national level sports and games events	00
Number of prizes won by students in state level sports and games events	00
Number of prizes won by students in university level sports and games events	00
Number of sports and games events conducted by the institute for the students	18

38. Composition of students

Percentage of Scheduled Caste	12
Percentage of Scheduled Tribe	4
Percentage of other backward communities	26
Percentage of women students	60
Percentage of physically challenged	01
Percentage of rural students	N.A.
Percentage of urban students	N.A.

39. Scholarships and Financial Support

Number of students availing financial support from the institution	178
Amount disbursed as financial support from the institution	3148271
Number of students awarded scholarship from the institution	150
Number of students received notable national/international achievements/recognition	03

40. Student initiatives

Number of community upliftment programmes initiated by students	03
Number of literary programmes initiated by students	06
Number of social action initiatives based on science / environment initiated by students	16
Number of student research initiatives	12

SECTION V

This section surveys the Governance and Innovation at the institution related to quality management. The educational management strategies adopted and in practice for achieving the objectives are focused.

41. Whether perspective plan for overall developmental activities is created? Yes

42. If the answer for Qn. 41 is Yes, is the plan implemented and monitored? Yes

43. Whether benchmarking is created for institutional quality management efforts? Yes

44. If the answer to Question 43 is Yes, please list the benchmarking in various areas of development in bullet format

- Submission of the Departmental reports/ committee reports as per planned schedule.
- Examination: submission of Question papers, assessment work and declaration of result as per decided schedule.
- Various club activities are planned and incorporated in the college calendar and the detail report of the same is given to the Principal, IQAC coordinator and web net committee.
- Efforts to reduce the percentage of Defaulters.
- Targeted 90% success in following the Annual academic calendar schedule has been achieved.
- To improve NAAC Score
- To have more toppers in University Results
- Quality enhancement at micro level
- To motivate students to participate in extracurricular activities
- At the institutional level, to achieve some quality awards.

45. Is a Management Information System (MIS) in place ? Yes

46. If answer to question 45 is Yes, please provide details of MIS applied to

1. Administrative procedures including finance :

Yes admissions are online and the timely merit lists are displayed

2. Student admission :Yes

3. Student records : Yes

4. Evaluation and examination procedures :Yes

5. Research administration : Yes

6. Others :

(enter the respective details corresponding to the serial numbers)

47. Existence of learning resource management

- College library offers J store and other library databases for the students
- Students have the access to the digital repositories
- e-library facility is available
- ICT has been implemented
- Book bank facility for meritorious and needy students.
- National (37) and International (5) Journals are subscribed in the library.

48. Internal resource mobilization: Kindly provide the amount contributed

Research	1869607
Consultancy and training	20000
Student contribution	22122995
Alumni contribution	0
Well-wishers	2500

49. Infrastructure and welfare spending: Please specify the amount

Amount spent for infrastructure development	847048
Amount spent for student welfare	315770
Amount spent for staff welfare	50473

50. Is delegation of authority practiced Yes

51. Does grievance redressal cell exist ? Yes

52. Grievances received from faculty and resolved (Enter a number; 0 for nil)

Number of grievances received	00
Number of grievances resolved	00

53. Number of grievances received from students and resolved (Enter a number; 0 for nil)

Number of grievances received	00
Number of grievances resolved	00

54. Number of grievances received from other staff members and resolved (Enter a number; 0 for nil)

Number of grievances received	0
Number of grievances resolved	0

55. Has the institution conducted any SWOT analysis during the year?

Yes

56. The SWOT analysis was done by internal or by external agency

Internal agency-IQAC

57. Kindly provide three identified strengths from SWOT Analysis (in bullet format)

- Excellent infrastructure - Well planned spacious green campus. Campus is Wi-Fi. Free internet facility to all. Library has OPAC system, online journals and digital repository available. Well equipped labs, LCDs and Laptops are provided in all the departments. Teachers use ICT while teaching.
- Research culture- more than 25 research papers are published every year, National seminar/ conferences are conducted, students are encouraged to do research projects. Online Journal J-BNB published.

- Students are encouraged to participate in extracurricular activities such as NSS, NCC (Army-boys, Army- girls and Navy- boys and girls), DLLE, cultural and sports. Yoga training has been made available to all the students and the staff free of costs

58. Kindly provide three identified weaknesses from the SWOT analysis (in bullet format)

- There is scope to improve Record keeping.
- Web updates are to be made regularly.
- To improve the number of research activities

59. Kindly provide two opportunities identified from the SWOT analysis (in bullet format)

- There is scope for improvement in collaboration with other institutions.
- There is room for using innovative ways to increase the number of placements of the students by Placement cell.

60. Kindly provide two identified challenges/threats from SWOT analysis (in bullet format)

- To strengthen the activities of alumni association.
- To motivate staff to take up more Research projects.

61. Identify any significant progress made by the institution towards achieving the goals and objectives during the year (list below in bullet format)

- This year started B.Sc. in Biochemistry, M.Sc by research and Ph.D. in Physics and in Environmental Science.
- Measures are taken to identify slow learners and give them extra coaching.
- Value added Programmes are conducted through Departmental Clubs and various committees
- National conferences/Seminar along with two preparatory workshops are arranged every year which helps to inculcate the research culture among students.
- Students are given mini research projects.
- Significant increase in the community services through NSS /NCC.
- The Orientation lectures are conducted for teaching and non teaching staff.
- Orientation lectures are arranged for students regarding new credit based grading system, functioning of Library.
- All the staff are using their official webmail addresses for communication.
- A step towards joining the paperless movement has been initiated by the administration.

62. How do you perceive the role of NAAC in the quality development of your institution (Suggestions in bullet format to be given below)

- NAAC has played a very crucial role in the overall development of our institution.
- Internal Quality Assurance Cell (IQAC) was established. It conducts internal audit of all the departments, submits the report to the Principal and recommends remedial measures.
- IQAC collects the feedback from students regarding teaching, non-teaching as well as other facilities provided in the college and after analyzing suggests measure to improve to the Principal.