

**GOKHALE EDUCATION SOCIETY'S**  
**N. B. MEHTA (VALWADA) SCIENCE COLLEGE, BORDI**  
 Dist. Thane, Maharashtra – 401701  
 Tel. No. 02528 254357, Email: [nmbordiooffice@gmail.com](mailto:nmbordiooffice@gmail.com)

**The Annual Quality Assurance Report (AQAR) of the IQAC for 2013-14**  
**Part – A**

**1. Details of the Institution**

1.1	Name of the Institution	Gokhale Education Society's N. B. Mehta(Valwada) Science College
1.2	Address Line 1 Address Line 2 City/Town State Pin Code	Acharya Bhise Vidya Nagar, Bordi, Tal. Dahanu, Dist. - Thane Maharashtra 401701
	Institution e-mail address	<a href="mailto:nmbordiooffice@gmail.com">nmbordiooffice@gmail.com</a>
	Contact Nos.	02528-254357
	Name of the Head of the Institution:	Dr. Mrs. Anjali S. Kulkarni
	Tel. No. with STD Code:	02528-254357
	Mobile:	9822968142
	Name of the IQAC Co-ordinator:	Dr. Pankaj K. Gogari
	Mobile:	9970671257
	IQAC e-mail address:	naacnbn3@gmail.com
1.3	<b>NAAC Track ID</b>	
1.4	<b>NAAC Executive Committee No. &amp; Date</b>	EC/54/RAR/072
1.5	Website address	<a href="http://www.nmbordicollege.in">www.nmbordicollege.in</a>
	Web-link of the AQAR	<a href="http://nmbordicollege.in/AQAR2013-14.aspx">http://nmbordicollege.in/AQAR2013-14.aspx</a>
	For ex. <a href="http://www.ladykeanecollege.edu.in/AQAR2013-14.doc">http://www.ladykeanecollege.edu.in/AQAR2013-14.doc</a>	

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1.6	Accreditation Details									
	Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period				
	1	1 <sup>st</sup> Cycle	C++	67%	2004	5 years				
	2	2 <sup>nd</sup> Cycle	B	2.37	2010	5 years				
1.7	Date of Establishment of IQAC : DD/MM/YYYY			22/03/2004						
1.8	<b>AQAR for the year (for example 2010-11)</b>			2013-14						
1.9	Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC									
	AQAR 2010-11 submitted to NAAC on 24/09/2011 AQAR 2011-13 submitted to NAAC on 14/10/2017 AQAR 2012-13 submitted to NAAC on 14/10/2017									
1.10	Institutional Status									
	University	State	Central	Deemed	Private					
	Affiliated College			Yes	✓	No				
	Constituent College			Yes		No	✓			
	Autonomous college of UGC			Yes		No	✓			
	Regulatory Agency approved Institution			Yes		No	✓			
	Type of Institution									
	Co-education		✓	Men	Women					
	Urban			Rural	Tribal	✓				
	Financial Status									
	Grant-in-aid			UGC2(f)	✓	UGC 12B	✓			
	Grant-in-aid + Self Financing		✓	Totally Self-financing						
1.11	Type of Faculty/Programme									
	Arts	Science	✓	Commer ce	✓	Law	PEI (Phys Edu)			
	TEI (Edu)	Engineering		Health Science		Management				
	Others (Specify)									
1.12	Name of the Affiliating University (for the Colleges)			University of Mumbai						
1.13	Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.									
	Autonomy by State/Central Govt. / University			No	UGC-CPE	No				
	University with Potential for Excellence			No	UGC-CE	No				
	UGC-Special Assistance Programme			No	DST-FIST	No				
	UGC-Innovative PG programmes			No	DST Star Scheme	No				
	UGC-COP Programmes			No	Any other (Specify)	No				

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**2. IQAC Composition and Activities**

2.1	No. of Teachers		08			
2.2	No. of Administrative/Technical staff		01			
2.3	No. of students		--			
2.4	No. of Management representatives		02			
2.5	No. of Alumni		--			
2.6	No. of any other stakeholder and community representatives		01			
2.7	No. of Employers/ Industrialists		--			
2.8	No. of other External Experts		01			
2.9	Total No. of members		13			
2.10	No. of IQAC meetings held		02			
2.11	No. of meetings with various stakeholders:		No.	06	Faculty	02
	Non-Teaching Staff	02	Alumni		Others	02 (LMC)
2.12	Has IQAC received any funding from UGC during the year?		Yes		No	✓
	If yes, mention the amount				---	
2.13	Seminars and Conferences (only quality related)					
	i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC					
	Total Nos.	0	International	0	National	0
			State	0	Institution Level	0
	ii) Themes		---			

2.14 Significant Activities and contributions made by IQAC

- ✓ IQAC prepared academic calendar for 2013-14.
- ✓ IQAC formed various committees for smooth functioning of the college.
- ✓ IQAC helps in arranging inter-collegiate competitions.
- ✓ IQAC ensures the proper implementation of academic calendar by encouraging staff members to maintain diary.

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2.15 Plan of Action by IQAC/Outcome\

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
1. Academic calendar for academic year 2013-14	Academic calendar was prepared by IQAC, as a result of which various activities, seminars, guest lectures and inter-collegiate competitions were conducted during the academic year 2013-14
2. To conduct ISO Audit	ISO audit was conducted on 3 <sup>rd</sup> Jan. 2014.
3. To organize inter-collegiate competitions	a. Biospark was arranged on 13-08-2013 b. Comfest was arranged during 30-31 Aug. 2013
4. To organize Blood donation camp	On 23 <sup>rd</sup> Sept. 2013 Blood donation camp was organized to mark birth anniversary of esteemed donor Late Shri N. B. Mehta. <b>51</b> units of blood were donated students and staff.
5. To publish college magazine	The college magazine “Amaranth” was published on 21 <sup>st</sup> Dec. 2013.
6. To arrange guest lectures, workshops and exhibitions	Guest lectures were arranged with the help of concerned departments. Zoology department has arranged exhibition.
7. To arrange study tours and industrial visits	Study tours and industrial visits were arranged by various departments.
8. To encourage research and faculty development activity	a. Minor Research Projects: 05 b. Paper presented: 03 c. Paper published: 06 d. OC/RC/ST: 05 e. Workshop: 07
9. To arrange health check up camp	NCC unit arranged health check up camp at Khorepada (Village adopted by NCC unit) on 19 <sup>th</sup> April 2014.
10. To arrange program related to environmental issues	On 26 <sup>th</sup> June 2013 a program was arranged in collaboration with Forest Department regarding environment protection and preservation.
11. To apply to UGC for financial support to arrange National level conference on revised norms of NAAC	A proposal was sent to UGC but the conference could not be arranged due to no response from UGC.

\* Attach the Academic Calendar of the year as Annexure. I

2.16 Whether the AQAR was placed in statutory body

Yes  No

Management  Syndicate  Any other body

Provide the details of the action taken

The AQAR report was accepted by the management committee.

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**Criterion – I**

**1. Curricular Aspects**

**1.1 Details about Academic Programmes**

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD				
PG	-		01	
UG	01		01	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate			02	
Others	MSc Chemistry seats were increased			
<b>Total</b>	01		04	

Interdisciplinary				
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	03
Trimester	NIL
Annual	NIL

1.3	Feedback from stakeholders*	Alumni		Parents		Employers		Students	✓
	Mode of feedback	Online		Manual	✓	Co-operating schools			

1.4	Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.
MSc II (Chemistry, CS and IT) syllabus are revised : Restructured for Credit based and Grading system by University of Mumbai; Computer Science- Third Year is revised; Information Technology-Third Year is revised; Semester pattern is introduced at TYBSc, BCom level (60:40)	

1.5	Any new Department/Centre introduced during the year. If yes, give details.
Existing departments under Commerce & Science faculties are continued for the next Academic year.	

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**Criterion – II**

**2. Teaching, Learning and Evaluation**

2.1	Total No. of permanent faculty	Total		Asst. Professors	Associate Professors	Professors	Others				
		18		18	nil	nil	nil				
2.2	No. of permanent faculty with PhD	09									
2.3	No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
		R	V	R	V	R	V	R	V	R	V
		51	04	nil		nil		nil		51	04
2.4	No. of Guest and Visiting faculty and Temporary faculty	06			nil			33			

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	Nil	Nil	01
Presented papers	03	04	Nil
Resource Persons	Nil	02	Nil

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

*Use of charts, models and power point presentations to explain the concept.
*arrangement of excursions and industrial visits.
* Involving students in small research projects.

2.7	Total No. of actual teaching days during this academic year	180			
2.8	Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)	Rechecking and re totaling			
2.9	No. of faculty members involved in curriculum Re-structuring /revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop	01(BOS)	nil	1 (Syllabus development)	
2.10	Average percentage of attendance of students	75%			

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2.11 Course/Programme wise distribution of pass percentage:

**Semester I 2013-14**

Class	No. of students appeared	Dist. O grade		I class A grade		II class B grade		III class C,D,E		No. of candidates passed	No. of candidates promoted	Pass %
		No	%	No	%	No	%	No	%			
FYBCom	195	00	0	06	3	06	0.3	133	68	145	26	87
FYBSc	139	01	0.7	21	15	35	25	54	38	111	20	94
FYBSc-IT	51	02	3	17	33	09	17	11	21	39	10	96
FYBSc-CS	23	00	0	02	08	04	17	06	26	12	03	65
FYBSc-Biotech	33	00	0	07	21	08	24	11	33	26	04	90
FYBSc-Micro	34	02	5	05	14	06	17	12	35	25	04	85

**Semester II 2013-14**

Class	No. of students appeared	Dist. O grade		I class A grade		II class B grade		III class C,D,E		No. of candidates passed	No. of candidates promoted	Pass %
		No	%	No	%	No	%	No	%			
FYBCom	185	00	0	11	5	17	9	101	54	129	33	87
FYBSc	138	04	2	32	23	43	31	23	16	102	21	90
FYBSc-IT	50	00	0	20	40	07	14	20	40	47	02	98
FYBSc-CS	20	00	0	01	5	05	25	07	35	13	02	75
FYBSc-Biotech	33	01	3	09	27	09	27	06	18	25	07	97
FYBSc-Micro	33	02	6	06	18	07	21	07	21	22	07	88

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**Semester III 2013-14**

class	No. of students appeared	Dist. O grade		I class A grade		II class B grade		III class C,D,E		No. of candidates passed	No. of candidates promoted	Pass %
		No	%	No	%	No	%	No	%			
SYBCom	146	00	0	06	4	24	16	110	75	140	06	100
SYBSc	108	02	1	24	22	29	26	32	29	87	19	98
SYBSc-IT	40	04	10	21	52	10	25	04	10	39	01	100
SYBSc-CS	15	01	6	04	26	05	33	04	26	14	01	100
SYBSc-Biotech	21	01	4	07	33	07	33	06	28	21	00	100
SYBSc-Micro	33	03	9	10	30	08	24	05	15	26	06	97

**Semester IV 2013-14**

class	No. of students appeared	Dist. O grade		I class A grade		II class B grade		III class C,D,E		No. of candidates passed	No. of candidates promoted	Pass %
		No	%	No	%	No	%	No	%			
SYBCom	146	00	0	17	11	27	18	99	67	143	03	100
SYBSc	108	04	3	18	16	32	29	47	43	109	07	100
SYBSc-IT	40	00	0	20	50	15	37	04	10	39	01	100
SYBSc-CS	15	01	6	02	13	03	20	04	26	10	03	86
SYBSc-Biotech	21	01	4	06	28	08	38	05	23	20	01	100
SYBSc-Micro	33	01	3	06	18	11	33	11	33	29	04	100



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**SEMESTER V 2013-14**

	Total no. of students appeared	Distinction %	I class %	II class%	III class%	Pass %
Chemistry	105	1	14	17	7	39
Physics	16	6	38	-	-	44
Biotech	16	-	13	38	-	51
Microbiology	18	6	11	11	11	39
Computer Science	19	-	5	-	-	5
Information Technology	40	-	25	30	-	55
BCom	137	2	17	23	15	58

**SEMESTER VI 2013-14**

	Total no. of students appeared	Distinction %	I class %	II class%	III class%	Pass %
Chemistry	104	2	10	20	10	52
Physics	16	8	25	18	-	56
Biotech	16	-	25	37	13	75
Microbiology	17	8	11	5	29	58
Computer Science	18	-	-	11	11	22
Information Technology	40	-	25	30	-	55
BCom	123	-	8	29	26	65

**M.Sc. 2013-14**

	Total no. of students appeared	Distinction %	I class %	II class%	III class%	Pass %
MSc-I-Chem	31	-	3	6	12	22
MSc-II-Chem	17	-	23	41	5	70
MSc-I IT	07	-	-	-	-	0
MSc-II IT	15	-	13	13	-	26
MSc-I-CS	05	-	20	40	-	60
MSc-II CS	06	-	33	-	-	33

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

All the staff members maintain diary regularly which includes planning as well as execution of teaching plans for the academic year. Tasks, planned and completed, are noted down in the diary that is checked by Head of the department and the Principal.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	02
UGC – Faculty Improvement Programme	
HRD programmes	01
Orientation programmes	02
Faculty exchange Programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	07
Others	

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	03	nil	nil	nil
Technical Staff	07	02		

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**Criterion – III**

**3. Research, Consultancy and Extension**

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

1. Encourage the faculty of the college by giving study leave for pursuing PhD
2. Providing facilities such as infrastructure and instruments.
3. Encouraging the faculty to participate in refresher course, orientation course and short term course by giving study leave.
4. Encourage faculty to undertake Major/Minor Research projects.

3.2 Details regarding major projects

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

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	05	---	05	05
Outlay in Rs. Lakhs	3,80,000/-	---	3,65,000/-	---

3.4 Details on research publications

	International	National	Others
Peer Review Journals	04	02	---
Non-Peer Review Journals	---	---	---
e-Journals	---	---	---
Conference proceedings	---	---	---

3.5 Details on Impact factor of publications:

Range	--	Average	1.776	h-index	--	Nos. in SCOPUS	--
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3.6 Research funds sanctioned and received from various funding agencies, industry and other Organizations

Nature of the Project		Duration Year	Name of the funding Agency	Total grant sanctioned	Received		
Major projects		--	--	--	--		
Minor Projects		2013-14	Univ. of Mumbai & UGC	3,80,000/-	3,65,000/-		
Interdisciplinary Projects		--	--	--	--		
Industry sponsored		--	--	--	--		
Projects sponsored by the University/ College		--	--	--	--		
Students research projects ( <i>other than compulsory by the University</i> )		--	--	--	--		
Any other(Specify)		--	--	--	--		
Total		--	--	--	--		
3.7	No. of books published	i) With ISBN No.		978-3-639-66613-7	Chapters in Edited Books	---	
		ii) Without ISBN No.		---			
3.8	No. of University Departments receiving funds from						
	UGC-SAP	---	---	CAS	---		
	DST-FIST	---	---	DPE	---		
	DBT Scheme/funds	---	---				
3.9	For colleges						
	Autonomy	---	CPE	---	DBT Star Scheme	---	
	INSPIRE	---	CE	---	Any Other (specify)	---	
3.10	Revenue generated through consultancy						
3.11	No. of conferences organized by the Institution						
	Level	International	National	State	University	College	
	Number	---	---	---	---	---	
	Sponsoring agencies	---	---	---	---	---	
3.12	No. of faculty served as experts, chairpersons or resource persons					11	
3.13	No. of collaborations	International	---	National	-	Any other	---
					-		
					-		
3.14	No. of linkages created during this year					---	
3.15	Total budget for research for current year in lakhs:						
	From Funding agency		From Management of University/College		Total		

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3.16	No. of patents received this year						
	Type of Patent					Number	
	National		Applied			----	
			Granted			----	
	International		Applied			-----	
			Granted			----	
	Commercialised		Applied			----	
Granted			-----				
3.17	No. of research awards/ recognitions received by faculty and research fellows of the institute in the year						
	Total	International	National	State	University	Dist	College
	-----	-----	-----	-----	-----	----	-----
3.18	No. of faculty from the Institution						
	who are Ph. D. Guides				--		
	and students registered under them				--		
3.19	No. of Ph.D. awarded by faculty from the Institution						
3.20	No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)						
	JRF	SRF	Project Fellows	Any other			
3.21	No. of students Participated in NSS events:						
	University level		02	State level		06	
	National level		--	International level		--	
3.22	No. of students Participated in NCC events:						
	University level		--	State level		--	
	National level		--	International level		--	
3.23	No. of Awards won in NSS:						
	University level		--	State level		--	
	National level		--	International level		--	
3.24	No. of Awards won in NCC:						
	University level		--	State level		--	
	National level		--	International level		--	
3.25	No. of Extension activities organized						
	University forum		08	College forum		04	
	NCC		---	NSS		12	
	Any other		---				
3.26	Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility						
	NSS unit under took activities like blood donation camp, tree plantation programme, AIDS awareness programme, pulse polio drive, street play, energy conservation project, book making project, 7 days residential camp in the adopted area etc. NCC unit under took activities like health checking camp in adopted area and mob control during Ganpati visarjan etc.						

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**Criterion – IV**

**4. Infrastructure and Learning Resources**

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	4.5 acres	-	Society	--
Class rooms	14	1	Donor	15
Laboratories	16	1	self	17
Seminar Halls	1	-	self	1
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	1	1	self	2
Value of the equipment purchased during the year (Rs. in Lakhs)	59.8 Lacs	2.6 Lacs	self	62.4 lacs
Others	135.5 Lacs	7.8Lacs	self	143.3 lacs.

4.2 Computerization of administration and library

Office is partially computerized. Results are computerized

4.3 Library services

a) College Level

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	7696	763387	574	86550	8270	849947
Reference Books	3138	1632856	162	93825	3300	1726681
e-Books						
Journals	33	114637	03	14014	36	128651
e-Journals						
Digital Database	Library software					
CD & Video	541	Free	29	Free	570	Free
Others (specify)	559	154350	10	12000	569	166350
Book Bank	1244	114655	227	30842	1471	145497

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b) Departmental Level

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	--	--	--	--	--	--
Reference Books	42	30238	4	1425	46	31663
e-Books	--	--	--	--	--	--
Journals	--	--	---	--	--	---
e-Journals	--	--	--	--	--	--
Digital Database	--	--	--	--	--	---
CD & Video	--	--	--	--	---	--
Others (specify)	--	--	--	---	--	--
	--	--	---	--	--	--

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Other
Existin	86	4	5	1	1	5	8	1
Added	--	--	--	--	--	--	--	1
Total	76+10 dead stock	4	5	1	1	5	8	2

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

Internet access through BSNL internet lease line 16mbps, training to students.
--

4.6 Amount spent on maintenance in lakhs :

1	ICT	4.7
2	Campus Infrastructure and facilities	4.6
3	Equipments	2.6
4	Others	52.6
	Total	64.5

**Criterion – V**

**5. Student Support and Progression**

**5.1 Contribution of IQAC in enhancing awareness about Student Support Services**

- Disseminating information regarding various UG and PG courses conducted by the college.
- Providing information about COC and Bridge courses (Remedial teaching) conducted by various departments.
- Awareness about Government freeship, scholarship, departmental support in terms of books, e-learning sources and other study materials.
- Identifying potential of the students and training them to participate in intra and inter collegiate curricular, co-curricular and extra-curricular activities.
- Convincing the students about importance of NCC, NSS, sports and cultural activities.
- Benefit of 10 marks for participating in NCC, NSS.
- Displaying information about Guest lectures.
- Remedial lectures for weak students.
- Performance improvement program in terms of regular test series.
- Grievance redressal mechanism for students.
- Suggestion box put up at appropriate place within college premises.
- Obtaining students feedback on performance of teachers.
- Placement efforts by various departments.
- Orientation program for FY students.
- Soft skills development and writing skills workshops.

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

- Regular meetings between Principal, Senior Clerk and Head of the Departments.
- Result analysis and remedial action.
- Submission and analysis of departmental reports.
- Parent – Teachers' meet.
- Feedback from stakeholders (Parents, Alumni, etc)
- Regular LMC meets discuss the student progression.

**5.3**

a)	Total Number of students	UG	PG	Ph.D.	Others	Total
		1172	75	---	---	1247
b)	No. of students outside the state	59				
c)	No. of international students	--				

No	%
597	47.87

Men

No	%
650	52.13

Women



**GOKHALE EDUCATION SOCIETY'S**  
**N. B. MEHTA (VALWADA) SCIENCE COLLEGE, BORDI**  
 Dist. Thane, Maharashtra – 401701  
 Tel. No. 02528 254357, Email: nbmbordiooffice@gmail.com

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
745	42	167	287	--	1241	728	54	183	282	---	1247

Demand ratio 2:1          Dropout % Negligible

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

No. of students beneficiaries	
-------------------------------	--

5.5 No. of students qualified in these examinations

NET	--	SET/SLET	--	GATE	--	CAT	--
IAS/IPS	--	State PSC	--	UPSC	--	Other	--

5.6 Details of student counseling and career guidance :

<ul style="list-style-type: none"> <li>→ Need based counselling is conducted by faculty.</li> <li>→ Formal and informal career guidance by the faculty.</li> <li>→ Career guidance talks, workshops.</li> <li>→ Alumni interface, industrial training (COC).</li> </ul>	
No. of students benefitted	

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
01	52	05	~25

5.8 Details of gender sensitization programmes

<p>Women's Development Cell organizes events on gender sensitization in the College. It conducted street play on "Save Girl Child" with collaboration with NSS. The cell participates in intra-college competition like essay writing, poster making, dramatics etc. It celebrated Jagar Janivancha Abhiyan with NSS to awaken the importance of girls.</p>
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5.9 Students Activities

5.9.1	No. of students participated in Sports, Games and other events						
	State/ University level		28	National level		International level	
	No. of students participated in cultural events						
	State/ University level			National level		International level	
5.9.2	No. of medals /awards won by students in Sports, Games and other events						
	Sports	State/ University level		National level		International level	
	Cultural	State/ University level		National level		International level	
5.10	Scholarships and Financial Support						
			Number of students		Amount		
	Financial support from institution						
	Financial support from government		344		48,09,271/-		
	Financial support from other sources						
	Number of students who received International / National recognitions						
5.11	Student organised / initiatives						
	Fairs	State/ University level		National level		International level	
	Exhibition	State/ University level		National level		International level	
5.12	No. of social initiatives undertaken by the students						
5.13	Major grievances of students (if any) redressed: Nil						

**Criterion – VI**

**6. Governance, Leadership and Management**

**6.1 State the Vision and Mission of the institution**

**Vision:**

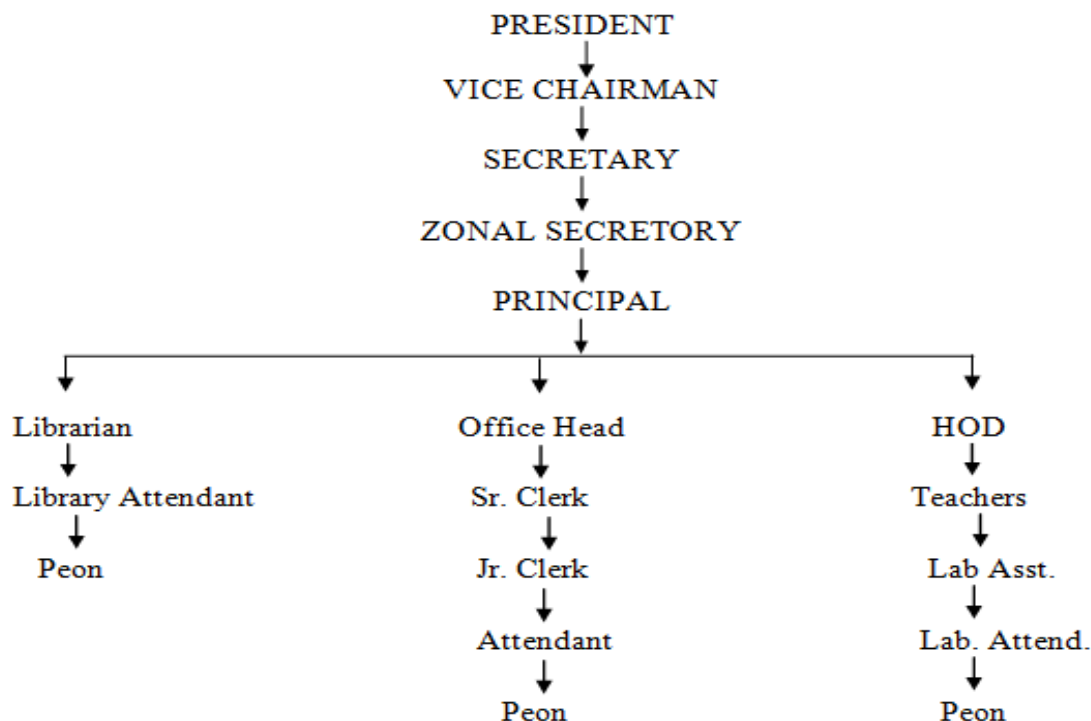
The college continues to offer quality service in the field of education and upliftment of the tribal and lesser privileged adivasis of the Thane district. In the next ten years, we aspire to add M.Sc. Biotechnology, Physics and vocational courses according to the demand of the times. The Life Science subjects will be housed in a separate building and research Centre for Physics, Chemistry and Life Sciences will be developed. We shall also venture into developing a Plant Tissue Culture Laboratory and a Green House so as to help our students get hands on training in commercial projects and establish linkages. The commerce faculty will be developed and will offer post graduate management courses.

**Mission:**

The Gokhale Education Society is committed to the cause of student's empowerment through access to education. We aspire to develop world class citizenship through relevant courses under formal and non formal streams. The society is further committed to raise the dignity of the teaching profession and to establish a culture of caring and excellence by providing a wide range of professional and vocational courses for the poor and downtrodden as also for the adivasis and the less privileged . We also strive to meet the changing Socio economic needs with human values, socio responsibility and to achieve excellence with total quality in all activities of lifelong learning.

**6.2 Des the Institution has a management Information System**

- Yes, Top management, Principal and faculties play an active role in ensuring the implementation of its quality policy.
- There are regular meetings of office bearers and Management representatives such as Governing body meetings, Senate meetings.
- There is a Local Management Committee in the College. LMC include Teaching/ Non Teaching representative as well as Management and other stakeholders.



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

#### 6.3.1 Curriculum Development

Actually syllabi are framed by University, but University arranges meeting to discuss the syllabi. Teachers are sent to participate in syllabus meetings. They are indirectly involved in curriculum development. Some of the teachers are working in BOS so they are directly concern with framing and development of the curricula.

#### 6.3.2 Teaching and Learning

Teachers use ICT enabled teaching techniques during teaching. The teachers of most departments make use of chart, model, graphs, diagrams, notes, model questions, projector, overhead projector, black board, white board, reference books etc. Departments arrange study tours, industrial visits, exhibitions, poster presentations, student's seminars, periodic tests, conducting case studies and On- the-Job training programs, all this helps to create an atmosphere conducive to learning.

### **6.3.3 Examination and Evaluation**

Continuous evaluation of students throughout the year through unit tests, assignments, internal tests, projects etc. Exams are conducted as per the norms of University and evaluation is done in centralised assessment programme. Practical examination in applied components is conducted by college as per the norms of University.

### **6.3.4 Research and Development**

The staff members continuously update themselves through research activity, attending workshops, seminars or orientation, refresher course. Teachers are encouraged to do research, to submit research projects to various funding agencies. College provides facility of research to teachers. College sanctions duty leave, financial assistance, laboratory facility, computers, internet facility etc. College motivates teachers to write books and articles. Some of the teachers have written books and articles. College organizes research conferences and workshops.

### **6.3.5 Library, ICT and physical infrastructure / instrumentation**

Library provides computer, internet facility to students, Softcopies, CD's of books, magazines are given to student and teachers for reference. College has a Generator (30 KVA) facility which gives complete backup in case of power cut (load shedding). College has water purifiers and cooler; fire extinguishers, well equipped conference hall, a large playground, and gymnasium.

### **6.3.6 Human Resource Management**

Teachers are appointed on various committees according to their areas of interest or specialty. When colleagues are on leave, other teachers engage the classes. Support staff is also assigned their duties as per their skills, capacities and interest. Students are involved in various activities or events organised by College.

### **6.3.7 Faculty and Staff recruitment**

Teaching staff is appointed according to state government rules and University norms. Vacancies are advertised in national daily newspapers, after management receives approval from University and the Government reservation policy is followed, a roster maintained at the management level and appointments are made by the duly constituted selection committee and approved by the university and joint director of higher education.

Non-teaching and support staff are recruited through locally arranged interviews and preference is given to the local tribal community and other disadvantaged groups.

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**6.3.8 Industry Interaction / Collaboration**

Chemistry department organizes campus placement in collaboration with various industries such as Chemical, pharmaceuticals, perfumes, surfactants etc from MIDC and GIDC. B.Sc. and M.Sc. students are benefited. M.Sc Chemistry students are sent for industrial projects. Analysis of water samples given by some of the farmers from Bordi area have been done by the Biotechnology department of our College.

**6.3.9 Admission of Students**

Students get admission on “First come First Served” basis.

**6.4 Welfare schemes for**

Teaching	“Shikshak Sevak Sangh” runs by College teachers and non-teaching staff which gives loans at very low interest rates to teachers and supporting staff.
Non teaching	“Shikshak sevak Sangh” gives loan to non-teaching staff. Advances given by College to the non-teaching staff whenever they need and refund accepted in installments.
Students	Students get scholarships from Government. College allows installments in fees to the needy and poor students. Insurance facility is given to all the students. Under the Book bank scheme a set of complete books is given to the reserved class students throughout the year.

<b>6.5</b>	<b>Total corpus fund generated</b>	Rs. 4,00,000/-			
<b>6.6</b>	<b>Whether annual financial audit has been done</b>	Yes	√	No	--

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO (S&A Euro certifications)	Yes	Internal Committee
Administrative	Yes	ISO (S&A Euro certifications) J.D. Audit	Yes	Internal Committee

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**6.8 Does the University/ Autonomous College declare results within 30 days?**

College conducts the exams of F.Y.B.Sc./B.Com and S.Y.B.Sc./B.Com. Results of these examinations are declared within 30 days.

For UG Programmes      Yes       No

(F.Y. & S.Y.)

For PG Programmes      Yes       No       -N/A

**6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?**

University has changed the annual pattern of exams to the semester end examinations as CBSGS (credit based semester grading system). University sends the university exam papers online on college portal through which process get digitalized.

**6.10 What efforts are made by the University to promote autonomy in the affiliated/ constituent colleges?**

University has given the directions to colleges to conduct semester V practical exams and Applied components practical exams of both semesters (V & VI).

**6.11 Activities and support from the Alumni Association**

Alumni help /support to conduct various events in college.  
Alumni Mr. Atish Save has helped students for Industrial Training.

**6.12 Activities and support from the Parent – Teacher Association**

Department of Computer science and I.T. Arranges Parent meeting to share the progress of students and various policies and programmes conducted by department. If the performance of student is not satisfactory then college calls parents to discuss difficulties or problems of students.

**6.13 Development programmes for support staff**

Support staffs are encouraged to persue further education and develop themselves by improving educational status and college felicitates such staff in annual prize distribution function.

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

Our college campus offers a peaceful pollution free learning friendly environment which helps students to concentrate on their academic pursuits. College has rain water collection system in water tanks and also recharge the well by adding rain water from terrace of college building which helps in increasing water level.

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**Criterion – VII**

**7. Innovations and Best Practices**

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

College provides UGC Sponsor career oriented courses Food Technology & ICT Certificate Course and Soft skill programmes.  
Department of Biotechnology updated there Department Library. Students participated in various intercollegiate competition. Department of CS & IT organized exhibition "NBM IT Express" based on advance computer technology. Department of Zoology arranged Exhibition "Ebola to Nobola" .  
Based on syllabus departments organized Industrial Visits.

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

Plan of Action	Achievements
1. Academic calendar for academic year 2013-14	Academic calendar was prepared by IQAC, as a result of which various activities, seminars, guest lectures and inter-collegiate competitions were conducted during the academic year 2013-14
2. To conduct ISO Audit	ISO audit was conducted on 3 <sup>rd</sup> Jan. 2014.
3. To organize inter-collegiate competitions	a. Biospark was arranged on 13-08-2013 b. Comfest was arranged during 30-31 Aug. 2013
4. To organize Blood donation camp	On 23 <sup>rd</sup> Sept. 2013 Blood donation camp was organized to mark birth anniversary of esteemed donor Late Shri N. B. Mehta. <b>51</b> units of blood were donated students and staff.
5. To publish college magazine	The college magazine "Amaranth" was published on 21 <sup>st</sup> Dec. 2013.
6. To arrange guest lectures, workshops and exhibitions	Guest lectures were arranged with the help of concerned departments. Zoology department has arranged exhibition.
7. To arrange study tours and industrial visits	Study tours and industrial visits were arranged by various departments.
8. To encourage research and faculty development activity	a. Minor Research Projects: 05 b. Paper presented: 03 c. Paper published: 06 d. OC/RC/ST: 05 e. Workshop: 07
9. To arrange health check up camp	NCC unit arranged health check up camp at Khorepada (Village adopted by NCC unit) on 19 <sup>th</sup> April 2014.
10. To arrange program related to environmental issues	On 26 <sup>th</sup> June 2013 a program was arranged in collaboration with Forest Department regarding environment protection and preservation.
11. To apply to UGC for financial support to arrange National level conference on revised norms of NAAC	A proposal was sent to UGC but the conference could not be arranged due to no response from UGC.



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7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- \*Annexure I Maintaining teachers dairy.
- \*Annexure II Khorepada adoptin of Village

7.4 Contribution to environmental awareness / protection

- Rain water harvesting
- UV water filter
- Energy conservation for Computer Labs.
- UG(B.Com.) students have a compulsory environmental studies as a subject in their curriculum.
- Tree Plantation in Campus & Nearby Campus areas.

7.5 Whether environmental audit was conducted?      Yes              No ✓

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

**Strengths**

- Beautiful campus facing the seashore.
- Good quality academic programs
- Good library facilities
- Co-operative Staff and Students

**Weakness**

- Inadequate insufficient classroom
- Limited commuting facilities
- Situated in remote area..

**Opportunities**

Increase in research activities

**8 : Plan of institute for 2014-2015**

- **To conduct ISO Audit.**
- **To arrange guest lectures, workshops and exhibition.**
- **To arrange intercollegiate competitions.**
- **To organise blood donation camp.**
- **To publish college magazine, “Amaranth”.**
- **To take study tours and industrial visits.**
- **To apply for Physics laboratory Ph.D.recognition.**
- **To carry activities in village Khorepada adopted under NCC.**
- **To arrange National Level conference by Physics and workshop by Chemistry.**
- **To conduct various activities under “Jagar Janiwan cha”**
- **To connect Libraray with Inflibnet.**
- **To restructure college website.**

**IQAC Co-ordinator**

**Principal**

**Annexure - I**

**Academic Calendar 2013-2014**

10 June 2013	:	Commencement of Term-I 2013-14 Lectures for SY and TY begin Staff Common Meeting Admission Committee Meeting - F.Y.B.Sc., B.Com. Admissions
13 June 2013	:	Meeting of HOD / IC Commerce Department Meeting
14 June 2013	:	Magazine Committee Meeting
17 June 2013	:	Examination Committee Meeting
24 June 2013	:	SY, TY Practicals begin Lectures for FY begin
26 June 2013	:	Workshop on Global Warming and climate change organized by NSS and Forest Dept.
05 July 2013	:	Magazine Committee Meeting
06 July 2013	:	Meeting of HOD / IC, Budget Allocation etc. Examination Committee Meeting ISO Committee Meeting
08 July 2013	:	Formation of various Staff Committees
09 July 2013	:	NSS activities begin
10 July 2013	:	Principal's Address
17 July 2013	:	UGC Career Oriented Courses, Meeting
18 July 2013	:	Guest lecture for IT/CS
22 July 2013	:	Submission of enrollment forms to University
26 July 2013	:	Launch of UGC Career Oriented Courses
27 July 2013	:	IQAC Meeting, Report Writing for 2012 – 13 Plans for 2013 – 14
29 July 2013	:	Submission of Major / Minor Projects to Mumbai University
30 July 2013	:	Submission of Conference proposal to UGC
30, 31 July 2013	:	Communication Skills Workshop
01 Aug 2013	:	Affiliation proposals process begins
03 Aug 2013	:	ISO Committee Meeting
13 Aug 2013	:	<b>BioSpark</b> Biotech Festival
15 Aug 2013	:	Independence Day Celebrations – NCC, NSS
16 Aug 2013	:	Finalization of <b>Comfest, Chemfest</b> Preparation for National level <b>Conference on NAAC</b>
17 Aug 2013	:	Guest lecture for Science
21 Aug 2013	:	Formation of Students' Council and distribution of related work
24 Aug 2013	:	Examination Committee Meeting
30 Aug 2013 & 31 Aug 2013	:	<b>Comfest</b>
05 Sept 2013	:	Teacher's Day Celebrations – Students' Council Celebrations
14 Sept 2013	:	Guest lecture for Commerce/IT by Runanubandh Pratishtan

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17 Sept 2013	:	Ozone Day
23 Sept 2013	:	N. B. Mehta Anniversary Celebrations Blood donation – NCC, NSS
24 Sept 2013	:	Last Teaching Day for Sem I & Sem III, B.Sc. / B.Com.
05 Oct 2013	:	Last Teaching Day for Sem V
26 Sept 2013 to	:	FY Sem-I, SY Sem-III. Theory Examinations begin
04 Oct 2013	:	
07 Oct 2013 to	:	Sem-I, Sem-III Practical Examinations
23 Oct 2013	:	
30 Oct 2013	:	Result Declaration Sem-I and Sem-III
31 Oct 2013	:	Term End Meeting
01 Nov –	:	
21 Nov 2013	:	Diwali Vacations (Tentative)
22 Nov 2013	:	College Reopens for Term – II Lectures begin
23 Nov 2013	:	Staff Meeting regarding National level <b>Conference on NAAC</b>
28 Nov 2013	:	Student's Council Meeting
09 Dec 2013	:	Sports Activities begin
18 Dec 2013	:	Cultural Activities
23 Dec 2013	:	Annual Prize Distribution Function
24 Dec 2013 to	:	
30 Dec 2013	:	NSS Annual Camp
25 Dec 2013 to	:	Christmas Vacations
01 Jan 2014	:	
02 Jan 2014	:	College Reopens
03 Jan 2014	:	Examination Committee Meeting
17 Jan 2014 &	:	
18 Jan 2014	:	<b>National level Conference on NAAC</b>
26 Jan 2014	:	Republic Day Activities
02 Feb 2014	:	Last Teaching Day for Sem II and Sem IV
08 Feb 2014	:	Last Teaching Day Sem VI
11 – 28 Feb 2014	:	FY / SY Sem. - II & Sem IV Practical Exams
04 – 12 Mar 2014	:	FY - Sem - I SY - Sem – III Theory Examination
18 Mar 2014 to	:	
23 March 2014	:	<b>Beyond the Curriculum Activity</b>
23 March 2014	:	Examination Committee Meeting
25 Mar 2014	:	Result declaration
30 Mar 2014	:	COC Examinations
02 April 2014	:	Marksheet distribution
02 April 2014 to	:	TY Classes Bridge Course
30 April 2014	:	
08 April 2014	:	Admissions for SY & TY
15 April to	:	Semester II and Semester IV Additional Examination
21 April 2014	:	

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29 April 2014 : Certificate distribution for COC

30 April 2013 : Term End  
Additional Examination Result declaration  
Staff Meeting

June : 18 days

July : 26 days

Aug : 25 days

Sept : 22 days

Oct : 24 days

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**115 days in Term – I**

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Nov : 14 days

Dec : 20 days

Jan : 25 days

Feb : 12 days

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**65 days in Term - II**

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**Total 180 days**

**Principal**

**Annexure - II**

**Best Practices:(1)**

**Title of the Practice : Maintaining Teacher's Diary:**

**Objectives:**

- 1) To enhance Teachers' accountability towards institution and self.
- 2) To develop a tool for documentation at the micro level for individual teachers
- 3) To help record all such activities which teachers performed as duties as well as beyond their stipulated workload.
- 4) The diary provides the Head of the Department as well as the Principal a detail picture of the teacher's classroom activity.
- 5) The Diary pages have a remark column, which the individual teacher is expected to use for jotting down any suggestions, complaints, and grievances necessary to be brought to the notice of the authorities.

**The Context:** The College maintains various records such as daily attendance of students, musters for teachers, individual timetables at the departmental level as well as the College level. Since these are separate records, there was no mechanism to get all the details of an individual teacher's contribution at a glance. There was no mechanism, which could help teachers to record their daily work. The additional duties, which they undertook, such as working in various College committees, conducting extra lectures, counseling students, helping weak students and other such activities were not properly documented. Their contribution would go unrecorded and the teachers felt that such involvement should be noticed and recognized. Hence, the Teacher's Diary was devised and is in use for the past eleven years.

**The Practice:** At the beginning of every year, the individual teacher gets a diary from the College office. The Diary is divided into three parts:

1) Annual/Term wise individual teaching plan, distribution of syllabus, and the individual timetable is appended on the back cover page of the diary. The Mission, Goals and Objectives are printed on the inside of the front cover page that constantly reminds our teachers of their role in the entire working of the College.

2) Actual practicals, classes taken by the teacher, time, venue, number of students present in the classroom, portion taught and a remarks section where the teacher is free to note down anything worth mentioning from inconvenience in the classroom, exchange of lectures, leave taken, any other significant point...

3) Library record, books borrowed, returned from the library or elsewhere etc.

The Diary is used in the following manner:

1. The Principal issues a notice after every three months/ a stipulated period for submission of diary duly completed. The Head/In charge of the department checks the diary, signs it and sends it to the Principal on the date mentioned. The Principal checks the entries, makes observations where necessary and sends it back to the individual members.

### **Evidence of Success:**

The Diary helps Staff members to maintain a true record of the actual work done such as classes engaged, syllabus completed, extra work done, meetings attended. It helps in communicating problems or other significant issues to the Principal and establishing a dialogue. It helps to maintain a record of student counseling, library visits, inter departmental activities, co-curricular and extracurricular activities, record of leaves taken along with purpose etc.

HoD /IC can keep track of the work done by the departmental colleagues; it helps to monitor planning of work, teaching assignments and syllabus completion, solving problems of all kinds faced during the actual working in laboratories and lecture halls etc.

The diary helps the Principal to maintain a free and fair communication both ways between the staff, head, and take an overview of the work accomplished. The daily attendance provides a picture of the students' as well as the teachers' academic involvement. Problems are sorted out before they escalate and get out of control. The diary is a micro-representation of the entire work carried out during the academic year by every individual member and it helps in maintaining fair and prompt records.

### **Problems Encountered and Resources Required**

**Reluctance of the Teachers:** The most important problem, which we faced initially, was trying to convince the teachers of the relevance and significance of maintaining a diary. They first were a little reluctant to adopt the diary because maintaining the diary meant adopting a transparent attitude towards recording their work. They were also a little apprehensive about filling the diary daily which meant spending some time of their day regularly to write down details about the work done or otherwise in their diary.

**Suspicious about use of information:** The teachers had to be ensured that the details in the diary would be used strictly for enhancing teacher credibility and accountability. At the outset they had to be explained how to make entries in the given columns and how each of them were interrelated.

The resources required for this Best Practice viz. maintaining a Teacher's Diary is a printed diary and the data of teachers' activities.

Notes (optional)

**Annexure - III**

**Best Practices : (2)**

**Title of the Practice: Khorepada Village Adoption**

**Objectives:**

- 1) To develop in students, especially NCC cadets the sense of social responsibility
- 2) To develop strong ties with the local community
- 3) To act as facilitators of medical care and develop health related awareness among the villagers and especially primary school students
- 4) To help in developing connections between the local health services and villagers.
- 5) Enabling other people and institutions who are interested in helping the community, participate in this activity
- 6) Helping primary school teachers deal with issues related to health and hygiene of their students

**The Context:** The College is situated in the remote, tribal belt of the former Thane district that is now changed to Palghar. Majority of our students belong to the tribal communities and come from the economically weak background. Education is the only means of improving their quality of life. It is necessary to impress upon the local community the importance of education at a very young age. Most parents are uneducated or poorly educated. It was necessary to develop a rapport between the local community and the College. It was also important to ensure that students did not quit education at the primary level itself. The health and hygiene concerns had to be addressed. Therefore, we decided to organize an annual health checkup camp in this area.

**The Practice:** In 2011-12, we chose Khorepada village, which is, situated in the interior part of the Jambugaon, Grampanchayat area. It is at a distance of about 11 kms. from our College. The population according to the 2011-2012 census was 257 people, all of which are tribal. The student strength of the local school is about 100 students in the current year. It is difficult to access this region especially in the rainy season. After consulting the primary school teachers and the Panchayat members, we decided to initiate a free health checkup camp for the benefit of all the villagers. We requested the local government health authorities. They very readily sent a team of doctors from Dahanu Cottage Hospital and Primary Health Centre, Gholwad. Usually the village market day is chosen so that the villagers do not have to sacrifice their daily wages for attending the camp. A small canopy is erected at the venue which attracts the villagers. The team of doctors conducts a general health check up and supplies free medicines. In case of complicated cases they refer the patients to district hospitals where they are treated free of cost. Our NCC cadets assist them in checking the patients, maintaining discipline, sending each patient systematically in the queue, helping the patients explain their problems and giving them medicines prescribed by the doctors. They feel completely involved in the whole process.

The College distributes biscuit packets, fruits etc. to the primary school students.



**GOKHALE EDUCATION SOCIETY'S  
N. B. MEHTA (VALWADA) SCIENCE COLLEGE, BORDI**

Dist. Thane, Maharashtra – 401701

Tel. No. 02528 254357, Email: nbmbordiooffice@gmail.com

This practice, which began in 2011-12, has continued for the past three years and we wish to conduct it in the years to come.

**Evidence of Success:**

Our NCC cadets are eager to participate in this Camp . It gives them the satisfaction of helping the local community solve their health related problems. They become aware of the precautions they themselves should take for developing a healthy life style. They learn how it is necessary to avoid habits, which are hazardous to health.

The Khorepada people await our camp that is usually arranged in the month of April.

**Problems Encountered and Resources Required**

The major problem is that even if we would like to, we are not able to conduct the health camp more frequently. The availability of the team of doctors and other medical staff is a problem because they are very busy in their hospitals. There are a few problems in arranging the camp. The activity requires a lot of planning, liaison among medical team, village authorities and the convenience of the College. With the busy academic schedule, it becomes difficult to find enough time for arranging camps frequently.

The resources required are especially the team of doctors and their free medicine supplies. Good planning and interaction between villagers and college staff is very important. Students have to be transported to the venue. We need to arrange for the food packs and other material that is donated to the schoolchildren. This requires funding which we partly manage through some donations and some financial help from College.

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