



Yearly Status Report - 2016-2017

Part A

Data of the Institution

1. Name of the Institution	BALLUBHAI KRISHNALAL MAJUMDAR SCIENCE COLLEGE, VALSAD
Name of the head of the Institution	Dr Vikas A.Desai
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02632243049
Mobile no.	9428162876
Registered Email	bkmscience@yahoo.com
Alternate Email	bkmscienceval@gmail.com
Address	Dr. Monghabhai Desai Vidhyasankul , Shri Morarji Desai Nagar, Po. Box No. 89, Tithal Road ,valsad -396001, Gujarat (INDIA)
City/Town	Valsad
State/UT	Gujarat

Pincode	396001																								
2. Institutional Status																									
Affiliated / Constituent	Affiliated																								
Type of Institution	Co-education																								
Location	Rural																								
Financial Status	state																								
Name of the IQAC co-ordinator/Director	Prof. U K Patel																								
Phone no/Alternate Phone no.	02632243049																								
Mobile no.	9825682480																								
Registered Email	bkmscience@yahoo.com																								
Alternate Email	bkmscienceval@gmail.com																								
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)	http://www.bkmscience.com/uploads/document/notice_27A8RzpY1647878448.pdf																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.bkmscience.com/uploads/document/notice_y8HV12Jd1647860754.pdf																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>70.50</td> <td>2004</td> <td>03-May-2004</td> <td>02-May-2009</td> </tr> <tr> <td>2</td> <td>B</td> <td>2.76</td> <td>2016</td> <td>17-Mar-2016</td> <td>16-Mar-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	70.50	2004	03-May-2004	02-May-2009	2	B	2.76	2016	17-Mar-2016	16-Mar-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
1	B	70.50	2004	03-May-2004	02-May-2009																				
2	B	2.76	2016	17-Mar-2016	16-Mar-2021																				
6. Date of Establishment of IQAC	12-Oct-2009																								
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
Regular meeting of IQAC is Arranged	22-Nov-2016 95	17
Regular meeting of IQAC is Arranged	27-Jun-2016 90	17
Short-term course on Cosmetic and Their Chemistry and Preparation	17-Jan-2017 30	160
U.G.C Aided short term course on Bee Keeping , Apiculture	19-Dec-2016 30	90
State level seminar Nuclear and Atomic Energy Awareness	27-Feb-2017 1	257
Feedback from Students	03-Apr-2017 15	252

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8. Provide the list of funds 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
Govt. of Gujarat	NSS	Education department govt. of Gujarat	2016 365	115000
Govt. of Gujarat	UDISHA	Education department govt. of Gujarat	2016 365	5000
Govt. of Gujarat	Saptdhara	Education department govt. of Gujarat	2016 365	50000
Govt. of Gujarat	Scholarship	Education department govt. of Gujarat	2016 365	7335130
Govt. of Gujarat	Salary Grant	Education department govt. of Gujarat	2016 365	77516314
Gujarat Council on Science and Technology	Seminar grant	GUJCOST	2016 365	40000

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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 :	2
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)	
Celebrations of Yoga day,15th August Celebration ,Tree plantation.	
Organizing Various Activities like Blood Donation and Dental Camp, NCC, NSS,UDISHA, SAPTDHARA, Sports , Industrial Visit , Women cell.	
Organizing Mega Job fair, Science Fair, Work Shop, Seminar, Lecture & Student enrichment Program.	
To maintain botanical garden and herbarium , Enrich library by adding new reference books/ journal / periodical ,AISHE data preparation.	
To Discuss Previous year result and Improvement of the result for coming year.	
View File	
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
To organize various seminars, workshops, conference & Science Fair	Physics department, chemistry department and biology department organize state level seminar, workshop, two days Science Fair and job fair.
To arrange a series of lectures in various subjects	Lectures were organized by chemistry physics Department.
Enhance research environment by promoting research activites of teachers	During this year three students completed Ph.D., Two students completed M. Phil , & seventeen research paper

	published by faculties.				
To encourage faculty/ students to participate in state & national seminar , conference, workshop & published research paper in seminar and conference ,also in reputed journals.	Many of our faculty members participated and presented their research paper in state/ National seminar/Conference and published research paper in reputed journals.				
Submission of the data of All India Survey of Higher Education (AISHE)	Data of AISHE 2016-17 , successfully uploaded & certificate received.				
To organize sports events, NCC NSS	Sports events, NCC NSS activities were organized by the respective units.				
To motivate UG/PG students regarding NET/SLET exam. and in SCOPE exam.	We organised lectures for NET/SLET coaching for our M.Sc. students of all subjects. More than 135 students are benefited				
Academic calendar teaching plan for session 201617	Execution for academic activity with good academic achievement				
Enrich library by adding new reference books/journal/periodicals	Reputed research journals, reference books are added to library.				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <th>Name of Statutory Body</th><th>Meeting Date</th></tr> <tr> <td>Shree Nootan Kelavni Mandal, Valsad</td><td>15-Jun-2016</td></tr> </table>	Name of Statutory Body	Meeting Date	Shree Nootan Kelavni Mandal, Valsad	15-Jun-2016	
Name of Statutory Body	Meeting Date				
Shree Nootan Kelavni Mandal, Valsad	15-Jun-2016				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2017				
Date of Submission	25-Apr-2017				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	The college has management information system by which the activities are manage Management information system modules are used in the college academic and administrative system. For keeping details pertaining to financial transactions, the tally accounting software has been used by the college since 2009. The library management information system is based upon the				

SOUL software version 2.0.0.12. The institutional repository is managed pertaining to data entry in these platform is done by the library staff, where books and written works are openly accessible to all using smart cards that are issued to both students and faculty members as well. We have INFLIBNET nList through which Professor and students can excess e. books and e. journals. Biology department has computerized practical self study centre for F.Y. B.Sc. to M.Sc. students.

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.K.M Science College is affiliated to Veer Narmad South Gujarat University, Surat, Gujarat and it follows the University prescribed curriculum. For effective implementation of the curricula, the college prepares a roadmap every year. Highlights of the roadmap are as given below. The annual academic calendar is prepared according to the University calendar prior to the comments of the academic year by IQAC, specifying available dates for significant activities to ensure proper teaching-learning process and continuous evaluation. This is displayed on the notice board. Meeting is held in each department at the beginning of the academic year to discuss the academic schedule. The practical and theory syllabus is allocated to them by the head of the department. Every department prepare teaching plan, allotting term-wise topic to be taught. Syllabus of each subject for the academic session is provided to the students. Theory & practical classes are held according to the time-table which is prepared by time-table committee prior to the commencement of the academic year. Theory and practical subjects will be taught through the conventional and advanced teaching methodologies. Teaching is blended with use of ICT to make the teaching - learning process more learner-centric. The use of ICT, Computers, well equipped laboratory facilitates etc are available to improve the performance of the students. Classroom teaching is supplemented with Assignments, Viva-Voce in practical teaching, seminars, workshops, special lecture by eminent professor, educational tour, field trips and industrial visits for effective delivery of curriculum. All these done in planned manner and records are maintained by respective departments. Equal educational opportunities are provided to all learners. Slow learners, especially, are encouraged to take remedial classes. The college central library provides teachers with necessary teaching resources for effective delivery of curriculum. Along with the books and scientific journals, the college library also offer computers with internet facility, INFLIBNET N-LIST, SOUL-2.0.0.12,. The e-books and journals are available which enhances learning ability of the students. Department of English works efficiently to improve communication skills of the students. The college has NET/SET cell for coaching for the preparation of the NET/SET examination. The faculty members have been provided INFLIBINET facility for accessing e-books and e-Journals in full text form. Apart from general library, departmental library has been set up in some department in order to enhance the in-depth knowledge of the students. All

internal examinations like class test, mid-term test etc. are conducted to check whether the students have acquired knowledge as outlined in the objectives of the curriculum or not. All examinations are conducted according to the academic calendar. Assignments of each subject are given to all the students prior to the internal exams. Remedial classes are conducted for slow learners. Record of the regular attendance, mark lists and progress of the students are maintained and preserved by the representative departments. The curriculum of teaching here aims to acquaint the students with good knowledge in their core subjects, necessary skills and moral values in their personal life and meaningful participation in the society.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NIL	NIL	Nil	Nil	NIL	NIL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	Mathematics	15/06/2016
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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	Chemistry	15/06/2016
BSc	Physics	15/06/2016
BSc	Biology	15/06/2016
BSc	Mathematics	15/06/2016
MSc	Chemistry	15/06/2016
MSc	Botany	15/06/2016
MSc	Mathematics (Self Finance)	15/06/2016

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

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
International Yoga day	21/06/2016	79
Anti Tobacco rally	26/06/2016	53
Kargil Vijay Divas	26/07/2016	81
Tree plantation	15/08/2016	155
Seminar on Gynaecological problem	02/09/2016	125

Divyang mega camp at Navsari	17/09/2016	23
Swachh bharat abhiyan	18/09/2016	97
Gandhi jayanti	02/10/2016	91
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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	Chemistry, Visit to Gandevi Sugar ,Gandevi ,	110
BSc	Chemistry, Visit to Vasudhara Dairy , Alipor	110
BSc	Botany, Kilad Eco Camp site	52
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	No
Alumni	No
Parents	No

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

Feedback Obtained
Students' feedback Student feedback is based on teachers Feedback (Teaching and Learning Process) – This feedback covers teaching learning process, punctuality, communication skills, approach towards the students, sharing of innovative ideas etc. We have emphasized on teachers innovativeness, use of ICT in teaching methodologies interactive teaching and students' involvement in learning. We collect individual teachers feedback and analyze it .The analysis is reported to the head of the institution, IQAC, management members for corrective measures and it is communicated to the individual teacher for further improvement.

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
MSc	Mathematics	40	40	40
MSc	Botany	30	38	30
MSc	Chemistry	40	50	40
BSc	Chemistry, Botany,	449	2863	449

Physics,
Mathematics

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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
2016	1298	159	42	Nil	33

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 Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
44	43	4	4	Nil	43

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Institute established mentoring system the following points are considered. All faculty members are motivated by the principal. Faculties are guided by the principal and give details about the mentoring system. According to students strength they are allotted to each mentor. In this system one girl and one boy are included. Under one mentor around 50 students are allotted. In this system students put their problem before mentor and mentor tries to solve it. In case of major issues mentor contact related committee or Principal for the solution. Students may put up problem like study, facility, examination, learning related problem, library etc. We have planned the management system and mentoring system being smoothly worked.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1457	42	1:35

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
42	42	2	Nil	25

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
Nil	NIL	Nil	NIL

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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	001	6	27/04/2017	24/06/2017
MSc	002	4	27/04/2017	26/05/2017
MSc	002	4	27/04/2017	23/05/2017
MSc	002	4	27/04/2017	28/05/2017
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Institutional and Departmental heads are in regular touch with the grievances of students. They have their own mechanism to collect information either directly or indirectly or confidentially. We have a separate suggestion box which is attended frequently by the principal. Students openly express their opinions. Hence we are getting vital information about the merits and deficiencies of the teachers. Concerned teacher is advised as the situational warrants. This is an informal way of continuous internal evaluation. CC cameras are effectively used to monitor the activities of the staff and the students as well. Periodically we conduct Evaluation of infrastructure is also done by students. Basic amenities related issues are subject to continuous internal evaluation. Complaints from the students are resolved with the concern authorities. A feedback format fixed by IQAC is distributed to the students, which covers all the information regarding the performance of a teacher. The collected data is consolidated evaluated, analyzed by the committee. Corrective measures are taken. Concerned faculties are personally contacted and informed confidentially about the result of internal evaluation. Liberties are given to the students to contact the HOD, mentor and the principal at any time. This free accessibility has yielded fruits. Continuous internal evaluation of students takes place even in the class. Our cultural activities and competitions held in our college help us to assess the talent.

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

Veer Narmad South Gujarat University, Surat has many affiliated colleges. Every year, we prepare an Academic Calendar based on the University calendar. The Head of all department hold a meeting with the relevant departmental faculty members at the beginning of the academic year. The teaching faculties are assigned for the evaluation based on exams, assignments etc. The meeting discusses the draught plan for the academic year, including assignment collection, internal examinations and evaluations, journal preparation, practical viva and certification, co-curricular and extra-curricular activities, celebration of Various Days, invited talks by eminent persons, and so on. The Head of all Departments review the development of the problem on a regular basis and take appropriate action.

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)

<https://www.bkmscience.com/page/programdetails>

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
001	BSc	Chemistry	295	228	77
001	BSc	Botany	30	30	100
001	BSc	Physics	31	29	94
001	BSc	Mathematics	60	60	100
002	MSc	Chemistry	34	34	100
002	MSc	Botany	15	15	100
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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://www.bkmscience.com/uploads/document/notice_wMgED0lS1647882776.pdf

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
Nill	Nill	NIL	Nill	Nill
No file uploaded.				

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
Short Term Course on Cosmetic and Their Chemistry and Preparation	Chemistry Department	17/01/2017
State Level Seminar on Nuclear and Atomic Energy	Physics Department	27/02/2017

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
NIL	NIL	NIL	Nill	NIL
No file uploaded.				

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
NIL	NIL	NIL	NIL	NIL	Nill
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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 Department	3
Mathematics Department	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)
International	Biology Department	6	4
National	Chemistry Department	2	1
National	Biology Department	1	Nill
International	Chemistry Department	15	5
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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
Chemistry	1
English	2
Biology	2
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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	Nill	Nill	NIL	Nill
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
Synthesis and Biological	Dr.Vikas A. Desai	International Journal of Pharma and	2017	29	1	B. K. M. Science College, Valsad

Evaluation of Azetidinone derivatives as Antibacterial and Antifungal Agents		Bio Sciences				
An efficient synthesis of some new chalcone, acetyl pyrazoline and amino pyrimidine bearing 1,3,5-triazine nucleus as potential antimicrobial and antitubercular agent	Dr. Anjani N. Solankee	Chemistry International	2016	Nill	18	B. K. M. Science College, Valsad
Application of oxazolone in synthesis of new heterocycle containing 5-imidazolone moiety as potent pharmacologically active scaffold	Dr. Anjani N. Solankee . Anjani N. Solankee	World Journal of Pharmaceutical Research	2016	27	Nill	B. K. M. Science College, Valsad
Synthesis, Characterization and In Vitro Antimicrobial, Characterization and In Vitro Antimicrobial Activity of Some New 2,3-Disubstitute	Dr. Anjani N. Solankee	International Journal of Pharmacy and pharmaceutical Science	2016	Nill	Nill	B. K. M. Science College, Valsad

d-4- Thiazolidinone and 2,3-Di substitute d-5-Methyl-4-Thiazolidinone Derivatives As a Biologically Active Scaffold						
Synthesis, Characterization and In Vitro Antimicrobial Activity of Some New 2,3-Di substitute d-4- Thiazolidinone and 2,3-Di substitute d-5-Methyl-4-Thiazolidinone Derivatives As a Biologically Active Scaffold	Dr. Anjani N. Solankee	International Journal of Innovative Research in Science, Engineering and Technology	2017	9	Nill	B. K. M. Science College, Valsad
Rapid and efficient synthesis of newer heterocyclic 2-azetidinone and 5-benzylidine-4-oxo-thiazolidine compounds and their pharmacological Studies	Dr. Anjani N. Solankee	Chemistry International	2016	Nill	6	B. K. M. Science College, Valsad
In Vitro antimycobacterial and antimicrobial	Dr. Anjani N. Solankee	Indian Journal of Chemistry	2016	40	3	B. K. M. Science College, Valsad

activity of some new pyrazoline ,isoxasole and benzodiazepine derivatives containing 1,3,5-triazine nucleus via chalcone Series						
Facile synthesis, characterization and pharmacological investigation of some newer 1,3,5-triazine base chalcone, pyrazoline , pyrimidine and pyrimidinethione derivatives	Dr. Anjani N. Solankee	World Journal of Pharmaceutical research	2016	27	Nill	B. K. M. Science College, Valsad
Design and synthesis of heterocyclic 4-thiazolidinone derivatives derived from Schiff base as potent antibacterial and antifungal agent	Dr. Anjani N. Solankee	Recent Trand in Science and Technology Sponsered by SPPU	Nill	Nill	Nill	B. K. M. Science College, Valsad
Synthesis characterization and SAR of Some Chalc	Dr. Anjani N. Solankee	Heterocyclic letters	Nill	23	Nill	B. K. M. Science College, Valsad

ones, phenyl
1 pyrazoli
nes and
Isoxazoles
Containing
1,3,5-tria
zine
Scaffold
as a new
Class of n
timicrobia
l and Anti
tubercular
agents

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	7	12	Nill
Presented papers	Nill	1	7	Nill

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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
National Youth day- Digital India	NCC/NSS	4	91
Clean India - Green India	NCC	1	96
Celebration of Kite Festival	NSS	4	32
Dental Camp	NCC	6	101
International Yoga Day	NCC/NSS	42	109
Celebration of Voter Day"	NSS	4	420
Lecture on "Glassware"	Chemistry Department	3	151
Lecture On "Textile Science Textile Technical Application	Chemistry Department	3	130
Blood donation Camp	Blood Bank , Valsad NSS/NCC/Red Cross	6	423
Lecture on Women	Women Cell	1	125

Protection

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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
NSS	State level NSS Award	Govt. of Gujarat	1
NCC	TSC (camp) completed	Directorate General NCC, NEW DELHI	1
NCC	RDC (camp)	Directorate General NCC, NEW DELHI	1
NCC	C A T C (Camp)	Group Head Quarters, Baroda	11
View File			

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 activities	Number of students participated in such activities
Swachh Bharat	NCC	Swachh Bharat Abhiyan	1	97
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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
NIL	NIL	NIL	Nil
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 details	Duration From	Duration To	Participant
NIL	NIL	NIL	Nil	Nil	NIL
No file uploaded.					

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
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NIL	Nill	NIL	Nill
No file uploaded.			

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
949.35	946.42

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Existing
Others	Existing
Seminar halls with ICT facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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
SOUL	Partially	2.0.0.12	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	7884	572595	137	14893	8021	587488
Reference Books	16024	2310070	432	114823	16456	2424893
e-Books	1000	Nill	Nill	Nill	1000	Nill
Journals	550	481844	13	29850	563	511694
CD & Video	81	1460	Nill	Nill	81	1460
Others(s pecify)	70	97430	1	15525	71	112955
Others(s pecify)	3	68570	Nill	Nill	3	68570
Others(s	1	7443	Nill	Nill	1	7443

pecify)

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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	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nill
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	30	0	1	0	0	0	5	10	0
Added	3	0	0	0	0	0	1	0	0
Total	33	0	1	0	0	0	6	10	0

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

10 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
NIL	Nill

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 incurred on maintenance of physical facilities
77.2	47.93	92.16	58.32

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 Institution makes adequate arrangements for the maintenance and for better change of the college infrastructure. The management ensures that enough UGC grants and funds are allocated and utilized for the maintenance. We have a committee to ensure optimum allocation and utilization of available finance. It functions in the following manner. The institution takes the suggestions and complaints from the students and staff members. The committee classifies it on the basis of requirements and then it is forwarded to the head of the institution. The head of the institution solves the problem by making suggestion to the responsible person. It is then analyzed appropriately. Financial aid is released according to the requirement. Tenders from different agencies are invited, compared and selected on the basis of cost effective

quality work. There after the order is placed. -Routine cleaning of the laboratory, library, sports complex, classrooms etc. is done by the departmental peons of the college. -The support facilities like replenishing of consumables like laser printer toners, photocopying machine toners, laboratory chemicals, stationary items etc. are also made available through pre-authorized vendors. -The college boasts of a vast green cover of trees and lawns. This also means that the areas under green cover will have a lot of leaves and twigs falling from trees and shrubs. The Sweeper maintains the campus clean. -.College Gardener regularly water, trim and maintain the gardens, potted plants, trees etc. The stock register of equipment of different laboratories is maintained. Our college has large playground and a pavilion for outdoor and indoor sports activities respectively. Maintenance of all sports facilities is looked after by the Assistant Professor in Physical Education and a peon dedicated to this task.

<https://www.bkmscience.com/page/procedureandpolicies>

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	NIL	0	0
Financial Support from Other Sources			
a) National	Govt. ST, SC, SEBC, Scholarship	1047	7335130
b) International	NIL	Nil	0
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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
Lecture Resume Writing How to be eye Cather of employers	19/01/2017	140	DR. Vishal Mali Naranlala college navsari
International Yoga Day	21/06/2016	100	NCC 20,Guj.B.N.NCC , Navsari
A drawing competition on Yoga	21/06/2016	100	NCC 20,Guj.B.N.NCC , Navsari
Skill development for NSS Volunteers program	29/01/2017	2	V.N.S.G.U
Remedial Class for F.Y/ S.Y/ T.Y. B.Sc students	01/08/2016	246	B.K.M.Science College
UGC Aided Short Term Course on "Bee	19/12/2016	90	B.K.M.Science College

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 passed in the comp. exam	Number of students placed
2016	NET coaching (Maths)	40	40	Nill	Nill
2016	SCOPE	60	41	41	Nill

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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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
ICICI Bank 20/06/2017	57	Nill	00	Nill	Nill

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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	Department graduated from	Name of institution joined	Name of programme admitted to
2016	12	M.Sc.	Maths	Various Colleges	Further study
2016	19	M.Sc.	Chemistry	Various Colleges	Further study
2016	19	B.Sc	Maths	Various Colleges	Further study
2016	43	B.Sc.	Physics	Various Colleges	Further study
2016	30	B.Sc.	Botany	Various Colleges	Further study
2016	184	B.Sc.	Chemistry	Various Colleges	Further study

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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
Any Other	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Saptdhara	Institute Level	387
Cultural	University Level	32
Cultural	Institute Level	150
Badminton	University Level	18
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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
2016	Inter uni. West zone, Hockey (Woman's)	National	1	Nill	Roll No. 157	Patel Dhavni N
2016	Inter uni. West zone, Table Tennis (Women's)	National	1	Nill	Roll No. 29	Patel Aditi D
2016	Group Dance VNSGU 44th Yuvak Mahotsav ,Surat	National	Nill	1	Roll No. 414,96,553 ,136,130,4 42,440,445	(3rd Prize)1. Bhanusali Deep B. 2. Sardar Ravi G. 3. Patel Parth P. 4. Tandel Neel P. 5. Tandel Divya H. 6. Tandel Jenil Y. 7. Tandel Bijal D. 8. Tandel Zankhana D.

2017	Best Out Of Waste (First Prize)	National	Nil	1	Roll No.108	Patel Hemil S.
2017	Best Out Of Waste (Second Prize)	National	Nil	1	Roll No 108	Patel Hemil S.
2016	Indira Gandhi National Award	National	Nil	1	Roll No 291	Miss Nidhi Mahe shchandra Patel
2016	Inter uni. West zone (Vollyboll)	National	1	Nil	Roll No 575	Tiwari Kartik k
2016	Inter uni. West zone (Cricket)	National	1	Nil	Roll No 283	Patel Hani M
2016	Inter uni. West zone, Hockey (Mans)	National	1	Nil	Roll No 564	Sandhu Harpreet R
2016	Inter uni. West zone, Hockey (Mans)	National	1	Nil	Roll No 531	Bhondva Nilesh N
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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 institution has a College Student Council, since its inception and it has been actively engaged in the academic and extracurricular activity of the institution. It has creative and vital representation in various committees related to academics and extracurricular activity. The class representatives and office bearers of the Association are the ranker students of each class elected. They are enthusiastically involved in all the activities of the institution and get their problems immediately and unhesitatingly resolved. The stake holders have successfully converted the Council a very significant platform by realizing the mission and vision of the institution. It is a matter of pride to state that all the academic and administrative activities are very much student friendly. Moreover, it is acting as a link connecting both the classrooms and the society. The Council has been an integral part of the regular academic and administrative decisions through the students participation as follows . 1.Sports and Cultural Events. All the students along with their representatives participate in the meetings and their opinions are carried out in the conduct of the said all events of the institution. 2. College Student Counsel. As per the departmental instructions, it is very important to highlight that a student member of the College Student Counsel has all rights to have a word in meetings related to the developmental activities of the institution. 3. IQAC Students are the member of IQAC who are free to put their queries related Academic and administrative related problems in the

meeting.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

180

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

89577

5.4.4 – Meetings/activities organized by Alumni Association :

Once in a year.

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)

The Governing authorities of Mandal take the lead in the governance and management of the institution. The Managerial Body and Executive committee of the management along with the Principal support day today functioning of the Institution administration. The management inspires the staff members by its personal interaction during meetings and motivates the staff to give the best in the teaching assignments. Authority and executive members of Management are always available to guide us for overall development of the Institute. They encourage and sanction funds to utilize it for different developmental activities of the college. They also contribute generously in terms of awards and recognition to deserving candidates. The college practices decentralization and participative management by constituting Institution level committees and assigning work to different committee members. Each committee is headed by a convener and few members under the chairmanship of the Principal. Official notice is issued along with the guidelines defining the roles and responsibilities of the committees. Policies and plans are constituted, monitored and evaluated by IQAC. The Principal, Vice Principal, Faculty In charges, HODs, Administrative Coordinator and the various committees implement the plans and policies together. The staff members participating in execution of the institutional activities are motivated and good work is appreciated by authority. The committees prepare action plans and submit to the principal for approval. The committees carry out the activities and at the end of the academic year the conveners submit the reports of the work done to the head of the institution. The students representatives are also nominated to carry out the co curricular and extracurricular activities. Feedbacks available from the students and stakeholders are considered for the improvement of the plans and policies. The Principal constitutes different committees at the beginning of each academic year. These committees are IQAC Admission Committee Time-Table Committee Library Committee Grievance Redressed Committee Cultural Committee Sports Committee Examination Committee Finance Committee Research Committee Saptdhara Career Guidance Centre Women Development Cell NSS NCC Science Society . The entire exam process involves almost entire staff and is completely transparent. Purchase of Instruments and books At the beginning of each year, the Principal and the Management Advisory committee decide the various activities and budgetary matters. The principal calls a meeting of all HODs and budget allocation is made for each department under the heads like purchase of

instruments, books, etc. with unanimous decision. The Heads, further discuss this with their respective staff. The laboratory personnel also participate and help to prepare a list of requirements for the year, on the basis of priority. The purchase committee is given the lists of each department. This committee invites at least three quotations for various items and the best vendor is decided with reference to quality and after sales service. The procurement of books is also a decentralized and participative in manner. Different book publishers and vendors are given an opportunity to display books and all teachers are encouraged to choose appropriate titles which are later approved by the concern person.

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

Partial

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	The Institute is affiliated to the V.N.S.G. Uni. and 05 faculties are members of Board of studies in various subjects. They play an active role in designing curriculum and take feedback of their peers before doing so. Keeping in mind the employability, the suggestions from industry are also considered.
Teaching and Learning	Institute have sufficient staff in all the subjects and they are well experience. We have LCD in the needed class room so teacher use it to batter convey. Most of the teacher use ICT in their learning process.
Examination and Evaluation	For the exams, 30 marks are from internal evaluation and 70 from the University exam. There is one theory internal exam during each semester which carries 60 of the internal mark allowance. Rest of the internal marks come from attendance and assignment, continuous class tests, seminars, quiz, etc. Students are made aware of all exam processes and program well in advance. The internal marks are displayed on the departmental notice board and students are given a time limit to report any discrepancies. Any grievances towards evaluation are solved at departmental level. The mechanism of internal assessment is transparent and robust.
Research and Development	Although, primarily a UG and PG college, IQAC and research committee encourage the staff and the students to take up research and present their work in various seminars and symposia. Some

	<p>teachers are given financial aid to attend seminars and present papers. Linkages with many reputed research organizations have been established. The library is linked to INFLIBNET, a source of thousands of books and papers.</p>
Human Resource Management	<p>The Management and Principal always support Faculty, staff and Students to participate self development programs at the Institute. The teaching members are motivated to conduct research, attend and present papers at seminars, industry interaction and industries, arrange seminars, workshops, and all other activities to enhance the quality of the Institute. The management provides adhoc staff when vacancies are not filled so that teaching is not affected. It supports and manages human resources at all levels academic, administrative and financial.</p>
Industry Interaction / Collaboration	<p>Institute do academic, research, culture ,Campus Interview, industrial visit etc. Institutes and industries also arrange seminar, workshop, faculty exchange, student exchange program.</p>
Admission of Students	<p>The Institute is affiliated to the V.N.S.G. University and First year UG and PG student admission has been made fully online and on the basis of merit . Our Principal is given the responsibility of coordinating entire V.N.S.G. University B.Sc. and M.Sc. semester I admissions. All different subject combinations and other information regarding admissions are given in the admission booklet, semester I. As far as second year, semester III admissions are concerned, the Institute has also made them merit based, depending on the number of seats allocated in each group. BKM Science College has made an effort to facilitate transportation facility to the students by providing ST bus services at a very concessional rate. We also provide passes to students for travelling in trains at an extremely minimal rate. Most of our students come from near and faraway places like Pardi, Vapi, Sanjan, Umargoan etc and travelling may be an expensive option. So we issue Railway and bus passes to them at a very concessional rate to help them and facilitate their journey. Passes are issued from the library and</p>

we find a phenomenal number of students availing of this facility. Every year we have over a huge number of students taking benefit of ST Bus pass and Railway pass facility. So we are very happy that we could be of so much help to the needy students and able to ease their burden so that they can pursue their degrees comfortably. By this we can make their learning more comfortable and help them to fulfil their dream.

Library, ICT and Physical Infrastructure / Instrumentation

B. K. M.Science College,Valsad provided comfortable hostel accommodation belonging to the scheduled castes, the scheduled tribes and economically weaker class within the institute premises. The campus consists of well built hostel blocks, both for girls and boys. Hostel consists of a mess, administrative office, warden quarter. In addition to well furnish rooms. Hostel rooms are allotted on first come first serve basis.

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

E-governance area	Details
Examination	The students are examined by internal evaluation which is as per the VNSGU rules and external examination which is conducted by the university .Examination is not online but the internal marks are sent to the university via online and results are also online.
Administration	Institutional administrative office is fully atomized and the operations are through Office Management Software.
Finance and Accounts	All financial and Account are maintain in tally ERP.9 software. Accounts audited by C.A.
Student Admission and Support	B.Sc. Semester -I admission done by local merit system and M.Sc. Semester I admission is done online by the V.N.S.G University. Students fill their form online and automatically merit is prepared. Other Semester admissions given merit base and done by the Institute. All external result is uploaded on the v.n.s.g.u website. The Institute activities are also uploaded on social media.

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
2016	39	NIL	NIL	Nill
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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)
2016	NIL	Nill	Nill	Nill	Nill	Nill
No file uploaded.						

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	Nill	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
B.K.M Science college Staff credit society	B.K.M Science college Staff credit society	Gujarat Govt. Scheme , poor Boys fund ,Govt. scholarship scheme

6.4 – Financial Management and Resource Mobilization

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

The management monitors the funds by two types of audits internal audits and statutory audits. The internal auditor audits the income and expenditure. The statutory auditor is responsible for final statement of expenditure and utilization certificates. The internal audit takes place twice in a year the final audit is completed at the end of the financial year. A recognized chartered accountant firm is appointed for the audits. Its audited statement is reviewed by the management and sent back to the Institute with remarks, if any. The last audit was done in APRIL 2016. There were no audit objections.

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
NIL	0	NIL
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6.4.3 – Total corpus fund generated

0

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	KCG	Yes	IQAC
Administrative	Yes	Higher education Department	Yes	Management appointed C.A.

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

NIL

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

1. Staff Motivation Program 2. Staff Awareness Program towards benefits schemes 3. Computer training for the nonteaching staff

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

1. M. Sc. course in Maths department was started in the year 2016 2. Arranged job fair and Science fair 3. Arranged State level Seminar by physics Department on Nuclear and Atomic Energy Awareness.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

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
2016	Science Fair	22/11/2016	23/02/2017	23/02/2017	68
2016	Job Fair	22/11/2016	21/02/2017	22/02/2017	318
2016	Short Term Course on "Cosmetic and Their Chemistry and Preparation"	22/11/2016	17/01/2017	16/02/2017	160

2016	Training Programme Organized "The Arunlal Fellowship Examination"	22/11/2016	29/01/2017	29/01/2017	62
2016	State level seminar Nuclear and Atomic Energy Awareness	22/11/2016	21/02/2017	21/02/2017	218
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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
Carrier Counselling	21/02/2017	22/02/2017	66	25
State level seminar Nuclear and Atomic Energy Awareness	27/02/2017	27/02/2017	145	112
Remedial Coaching	30/07/2016	30/08/2016	193	53
Celebrations of Independent Day	15/08/2016	15/08/2016	418	182
Lecture On "Textile Science & Textile Technical Application"	29/08/2016	29/08/2016	70	30
Seminar on "Gynaecological Problem" Dr. Hemaben Maniyar	02/09/2016	02/09/2016	125	Nill
Camp on "Medical Check up"	02/10/2016	02/10/2016	125	Nill
Bridge course for Botany students	20/06/2016	27/06/2016	55	19
Lecture on "Developing	22/06/2016	22/06/2016	27	31

Mathematical Ability Through Technology Enabled Investigation "				
Blood donation Camp	02/09/2016	02/09/2016	132	79
Lecture of Prime Minister Shri Narendrabhai Modi	05/09/2016	05/09/2016	800	400
Lecture on " Glassware"	12/09/2016	12/09/2016	99	26
A Lecture on " Olber's Paradox and expanding universe with effective visual presentation "	13/10/2016	13/10/2016	95	53
Camp Organise at The Village "Shidumber"	16/12/2016	22/12/2016	148	65
UGC Aided short term course Bee Keeping , Apiculture	19/12/2016	24/12/2016	85	5
UGC Aided short term course on Rangoli , Glass painting & Candle making	26/12/2016	31/12/2016	82	8
Lecture on " Ramanujan"	28/12/2016	28/12/2016	62	33
Work shop on "Self Defence and Fitness	09/01/2017	13/01/2017	75	Nill
Lecture on " Frontiers of Chemistry Allied Sciences Inter face improving Quality of life	10/01/2017	10/01/2017	48	22
Lecture on Academics & Teacher Profession	11/01/2017	11/01/2017	45	27
Short Term	17/01/2017	16/02/2017	110	50

Course on "Cosmetic and Their Chemistry and Preparation"				
Seminar on "Resume Writing"	19/01/2017	19/01/2017	53	22
Lecture on "Polymer Chemistry"	19/01/2017	19/01/2017	98	52
Lecture on "The Standard Model of Cosmology"	28/01/2017	28/01/2017	49	58
Training Programme Organized "The Arunlal Fellowship Examination"	29/01/2017	29/01/2017	34	28
24Industrial Visit at "Sugar Factory" Gandevi	17/02/2017	17/02/2017	95	25
Industrial Visit at "Vasundhara dairy" Alipore	17/02/2017	17/02/2017	95	25
Industrial Visit at "New Tech. Technology Pvt. Ltd." Pune	06/02/2017	08/02/2017	53	59
Blood donation Camp	21/02/2017	21/02/2017	133	82
Science Fair	21/02/2017	21/02/2017	204	114
Job Fair	21/02/2017	23/02/2017	3150	1451

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
<p>1.The college has initiated various measures from time to time for this purpose. College funds have been used for these initiatives. 2.Eco-Club formed to make Environment green. 3.Solar water heater plant has been installed in the hostel. 4.Wind-mill has been fixed in the Botanical Garden. 5.Architectural design for college is based on the use of natural lighting and ventilation, to save extra power for bulbs and fans. 6.Awareness has been created among staff and students to save energy. We had arranged a seminar on the topic "BIODIVERSITY" and "NUCLEAR ENERGY" 7.Notices/Posters regarding energy saving measures are placed at vantage points in each and every department. 8.Energy saving lights are used . 9.Lights, Fans, computers and Laptops are switched on only when required.Lights are not turned on in class rooms and practical labs where natural light is sufficient.The existing AC, Computers, Printers, Copiers</p>

etc. are turned off when not required. 10. Leaking taps are attended to immediately. 11. Members of students council and faculty have been deputed to check the wastage of electrical energy by ensuring that fans / lights should not run in unoccupied class rooms or laboratories 12. Yes, Rain water harvesting is installed by constructing a small pond in the Botanical Garden and also recharge the boring by rain water to increase the level of ground water . 13. Rain water is also stored by Chemistry Department and reused it as distilled water in Chemistry Laboratory 14. Activity is not carried out in the campus, but through NSS unit the check dams/boribandh, special dam for irrigation at hilly area are constructed in the Dharampur district . A beautiful garden has been set up and maintained by the Biology Department of the college. The garden and tree plantations develops oxygen and reduce the carbon dioxide in the environment . The garden and tree plantations developed in the Agronomy experimental farm and orchard ensure carbon neutrality in the College campus. Printing is done on both sides of the paper. We request the students to write their answers beginning from the first page and use all the papers without avoiding lines in Internal and External examinations. Old print papers are used as note-paper . Departmental notices and information are sent via email/SMS . All documents are edited thoroughly before printing. Use of plastic is strongly discouraged . College encourages the students to use cycle or public transport. For this kind of activity we celebrate No Vehicle Day. Car/Scooter parking is done outside of the gate of the college. Blank paper from journal assignment and exam supplementary of internal exam are reused as rough paper which has reduced the consuming of blank paper. Many saplings are planted inside the college campus by the staff and students. Every year tree plantation camp is organized by NSS unit join with forest department on 15th August, to create eco-friendly awareness among the students.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	7
Ramp/Rails	Yes	7
Rest Rooms	Yes	670

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
2016	Nil	1	14/07/2016	1	Blood Donation Campaign	Social Awareness	11
2016	Nil	1	28/07/2016	1	Dental Camp	Health Awareness	103
2016	1	Nil	21/08/2016	1	Willson hill-Chavara-Khoba Tour	Field Trip	24
2016	1	Nil	28/08/2016	1	Waghai-Saputara Tour	Field Visit	56

2016	Nill	1	02/09/2016	1	Blood Donation	Samudayak Seva	42
2017	1	Nill	13/01/2017	1	Tour "Killad Eco Camp Site" on	Environmental Awareness	59
2017	1	Nill	06/02/2017	3	Industrial Visit at " New Tech. Technology Pvt. Ltd." Pune Lawasa Matheran	Academic Visit	116
2017	1	Nill	17/02/2017	1	Industrial Visit at Sugar Factory, Gandevi	Field Visit	124
2017	1	Nill	17/02/2017	1	Industrial Visit at Vasudhara Dairy, Alipore,	Field Visit	124
2016	Nill	1	26/06/2016	1	Anti Tobacco Rally	Health Awareness	56

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
NIL	Nill	NIL

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day Celebration(NSS)	21/06/2016	21/06/2016	30
International Yoga Day Celebration(NCC)	21/06/2016	21/06/2016	79
Drawing Competition on " Yoga"	21/06/2016	21/06/2016	11
Kargil Vijay Divas	26/07/2016	26/07/2016	81
Saptdhara-Elocution	05/08/2016	05/08/2016	16

Competition			
Celebration of "Independence Day"	15/08/2016	15/08/2016	106
Drawing Competition on "I Love My Country"	19/08/2016	19/08/2016	20
Saptdhara-Drawing Competition	19/08/2016	19/08/2016	18
Saptdhara-Eassy Competition	20/08/2016	20/08/2016	16
Saptdhara-Mehandi Competition	23/08/2016	23/08/2016	29
View File			

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

1. The college campus is plastic free zone, which makes the campus eco-friendly. The dead leaves and the waste papers are not allowed to be put on fire. The leaves are buried in the soil itself and the papers are disposed off. 'Plastic Free Zone Campaign' has brought down the usage of disposable plastic goods to the minimum. 2. The college organizes periodical NSS camps to inculcate the value of plantation among students and faculties 3. Medicinal plants have been planted in college. 4. NSS Unit to create awareness of environmental hazards and of the urgent to keep the environment clean green and pollution free. NSS organised Swacch Bharat Abhiyan 5. Seminar and class teachings are given for proper waste disposal. 6. Environment awareness campaigns are organized. 7. The green ambience of the College is largely due to tree plantation. There are about 3000 trees of various kinds in the campus that We take care and maintain .Trees have nearly covered 2/3rd of the college area. They help to maintain the ecosystem

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE-1 TITLE OF THE PRACTICE: MEGA JOB FAIR We believe that the responsibility of the institution is beyond giving education to students. We take additional responsibility to support them in making a right choice of their career. In our desire to help them in this aspect B.K.M.Science College,Valsad organized "Job Fair - 2017"at our campus. The Job fair was not only for Graduates of Science,Commerce,Ares,Education, Diploma/Degree engineering students but also for MBA,MCA, B.Sc., BCA, ITI students. More than 1600 students registered online and around 450 students registered through on spot registration facility. 60 industries have participated in Job Fair - 2017.

OBJECTIVE OF THE PRACTICE: Objective behind organizing a mega job fair is To provide maximum regional job opportunities to the students. To provide students with opportunities to develop skills in communication, self?presentation, and networking, this will prepare them for job interviews and other professional interactions. To develop relationships with area employers, which could lead to student internships, class visits, service?learning projects, and other work?based learning partnerships. To bring campus?wide visibility to our department. To raise employer's awareness of the diverse and valuable skills that students gain in area studies. **THE CONTEXT:** Employment is the main focus for any country/society/college. Just to give the best education or training to the students is not enough. The system has to provide platform to the students to implement explore their Knowledge and skill in professional field.B.K.M.Science College,Valsad is committed to achieve, maintain and

continuously improve excellence, ethical values and overall development of students community. THE PRACTICE : DATE : 21.02.21017 TO 22.02.2017

Inauguration function began at 10:00 o'clock in the sanskar Kendra Hall. Principal Dr.Vikas Desai in his inaugural address to the audience advised that students must have greater abilities to communicate and should be bold enough to display their knowledge. Students should be bold but not arrogant should have content rather than being talkative. One should be ethical work on their non verbal communication and always demonstrate positive attitude. He declared the Event Open and urged the students to not only look for Salary but also Career.Convener of the Mega job fair Vice Principal Dr.T.G.Gohil gave a brief information about Mega Job fair. He also briefed the audience that there are 65 companies offering almost 400 jobs. He conveyed B.K.M.Science College endeavor has been to give the industry a wide choice as well as make the students excel to compete. Job fairs are a great opportunity for college students.On second day Honorable member of Parliament M.P. Dr.K.C.Patel and Honorable Valsad District Panchayat President Shri.Jitendrabhai Tandel visited the fair. On the day of job fair, registration of the students started early in the morning, Registration desks were according to the field that is B.Sc., B.Com., B.A., Graduates, diploma, degree engineering, BCA, ITI. Companies also started coming early in the morning.College provided all facilities to the industries for conducting their recruitment process which varied from industry to industry,There were many companies who offered job on spot by taking interview of keen candidates. Many companies were seen to collect CV from the young graduates who came to the fair with a view to getting suitable jobs. The event witnessed a huge registration of candidates. On day first 3889 students and on the day second 712 students had done registration all to gether 4601 registration were done. On the first day 172 students and on the second day 117 students were given jobs. BEST PRACTICE-2 Title of the practice: Nuclear and Atomic Energy Awareness. Nuclear energy is a controversial and sensitive subject among the public, because it strongly relates public health and safety.Public's acceptance and support to the nuclear energy is also at the prime height. It is necessary for the betterment of the human life in power requirement, medical usages, agricultural products and ancient findings also. The aim is focused to aware plus points about the nuclear energy among the public. The awareness on nuclear energy issues is less among the public. Indian newspapers are publishing minimum articles on nuclear energy and it is not getting priority except emergencies. Both journalists and nuclear plant authorities have many deficits. The study recommends regular interaction with media, providing needy information and visit to various nuclear plants to convince the people. OBJECTIVE OF THE PRACTICE: • According to the various stake holders of the nuclear energy, there is a large gap between Government/ Nuclear Agencies, Mass Media and Public. Due to this gap, the problem is arising and the public is getting afraid. Government and Nuclear Agencies are not using the mass media in awareness creation to avoid the fear among the public in effective manner. • Nuclear energy and related issues is still a controversial subject in the world countries either developed or developing one. Therefore, creating awareness and understanding about the nuclear issues and eliminating fear among the public are important. • Many experts believe that nuclear energy is important for human being. It is useful not only for electricity but also for health, medicine, agriculture, food and various technologies. The exposure to the radiation is limited to the levels of which the genetics committee believes reasonable there should be practically no pathological effects. It can enhance man's food supply rather than damaging. Countries having more energy production could help industrialization, employment, food production and overall development. Electricity is an absolute necessity for development and quality of life. Irradiation of foodstuffs markedly extends the shelf life and "freshness" period of fruits, vegetables, poultry, seafood and meat. THE CONTEXT: Nuclear energy offers many advantages

as the emission-free workhorse of our energy grid. Its unique value cannot be found in any other energy source. With this advancement, the department of Physics of B.K.M.Science College, Valsad has organized a state level seminar entitled "Nuclear and Atomic Energy Awareness". This seminar will encourage the presenters and invited faculty to gain a complete understanding of nuclear physics and the developments that have occurred in it. The seminar is to aware the society about the nuclear energy of their misconception with their advantages. The seminar's goal is to provide a forum for discussing and debating current and emerging trends in nuclear physics research through invited talks, oral presentations, and poster presentations. THE PRACTICE :Date 27/02/2017 . A one day seminar on Atomic and Nuclear energy awareness has been organized by B.K.M. science college Valsad sponsored by GUJCOST, NPCIL Kakrapar and District science centre Dharampur. The seminar was inaugurated by the president Shri Chandrakant B. Desai and the invited guests were honoured. Moreover, all the delegates , guests and participants were warmly welcomed by the principal Dr. Vikas Desai. Participants presented research papers and posters in the seminar. In the seminar Dr. Bhaskar Raval (Pro. Vice chancellor V.N.S.G.U. Surat) delivered the key note address of the seminar. He emphasizes on the awareness of the advancement and trends in Atomic nuclear Energy for the students as well as the researches . He also inform students regarding different overseas scholarships. After that there was a technical session in which there were three talks. The detail of that is as follows : Invited Talk - 1. (Time : 10.30am to 11.00 am) Chairman : Prof. A.J.Goel (Associate professor B.K.M.Science College Valsad) Speaker : Shri Vineetkumarji (Site director NPCIL Kakrapar site) Topic : Aspects of nuclear and Atomic radiations and nuclear reactions Invited Talk - 2. (Time : 11.00am to 11.45 am) Chairman : Prof. U.K.Patel (Head. Department of Physics B.K.M.Science College Valsad) Speaker : Shri Mehul V. Parikh (Senior training superintendent NPCIL Kakrapar) Topic : Fundamentals of Atomic and nuclear energy. Invited Talk - 3. (Time : 12.30pm to 13.15 pm) Chairman : Prof. P.H.Mistry (Associate prof. B.K.M.Science College Valsad) Speaker : Dr. A.K. Patra (Training faculty NPCIL Kakrapar) Topic : Nuclear radiations and there effects on human life Oral presentation : The oral presentation was held at Sanskar Kendra College campus Valsad in which Dr. V.G. Joshi (Professor V.N.S.G.U. Surat) was the chairman Dr. I. B. Patel (Professor V.N.S.G.U. Surat) was the Jury member in that there were total 4 students . Oral presentation winners : 1. Dr. Bhadrashkumar R. Sudani (Govt.Eng.College) 2. Miss Riddhi Desai (M.Sc Student V.N.S.G.U.Surat) 3. Dr. Parth Joshi (Uka Tarsadia Uni. Bardoli) Posters presentation : The poster presentation of the students was at the college entrance ground. In that session Dr. Vinodbhai Patel (Head Department of Management and studies, V.N.S.G.U. Surat) and Dr. I.B.Patel (Associate professor, V.N.S.G.U. Surat) and Dr. Vibhuti Joshi (Associate professor, V.N.S.G.U. Surat) were the jury members there were 24 participants. Posters presentation winners : First prize : Swati Shrisagar (UKA TARSADIA UNIVERSITY BARDOLI) Second Prize : Puneet, Vrutika, Parth (Naranlal College, Navsari) Third Prize : Khyati Mody , Paras (B.K.M.Science College Valsad) Seminar Success - Number of Attendees Number of participants Registered - 237 Number of Abstracts Accepted- 09 Number of Oral presentation - 04

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

<https://www.bkmscience.com/clubdocs/bestpractices>

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

It is important in the present time to be with the advancement and to achieve

it the development of the institution is the first and foremost aspect which lead to the creation of the competent citizens of the future. With this view our college has its own mission which focuses on to function uniquely, innovatively and distinctively in terms of academic development, infrastructure development, providing resources and so on. Our college has a large number of students coming from the surrounding villages of the city among them most of the students from rural areas poor background. A person can't be judged by their background, keeping this in mind the institution always foster to get the education on equal base. For that it provides different opportunities in different fields like sports, NCC, NSS etc. In terms of academic development of the students, each department arrange lecture series, student enrichment programs, seminars, conferences, workshops, training program etc every year at the institution. The main aim is to mould the students for future. In accordance with wide mission, students get an opportunity to participate in curricular, extracurricular and extension activities very actively. Through the NSS, NCC, UDISHA, Women Development Cell, Sports activities, the students get a platform to develop their academic as well as professional, cultural, social consciousness, alertness and responsiveness attitudes. The college organizes the women empowerment programs like self defense training, health awareness program etc. to enable them to be confident enough to face the battle of life. Moreover, various eminent woman personalities are being invited for the guidance on several issues. Special health related Seminars, work shop were organized and health check up camps have been organized to overcome the health issues. By getting much exposure from the institution our students have proved themselves effectively in the society by serving themselves in civil services. In addition, the department of physical Education had always encouraged the students to participate in different sports like cricket, Kho Kho, Chess, Volley ball, badminton etc. In this field, our students have performed very well at different level tournaments like university level, and zone level that made the college proud. Further, to maintain the forum of Indian culture, the institution is motivating the students to participate in the cultural events and provide them proper them proper and sufficient background, too.

Provide the weblink of the institution

<https://www.bkmscience.com/page/institutionaldistinctiveness>

8.Future Plans of Actions for Next Academic Year

1.To take students to educational tours: The departments should continue to arrange educational tours for the students 2. To arrange activity of blood donation by NSS and NCC 3. To arrange fitness programme and self defence training . 4.To arrange Lecture on Career counseling , placement ,Training for developing Soft Skills and Motivational activities to develop student's overall personality 5.Tto arrange enviroinmental consciousness and sustainability programme like tree plantation, Awareness about cleaning etc. 6. To arrange a lecture series in each department 7. Motivate students and staff to do research activity. 8. To maintain Botanical Garden and other gardens in Campus. 9. To organize Sports Events. 10. To motivate PG student regarding NET/SLET examination.