The Annual Quality Assurance Report (AQAR) of the IQAC
(For Affiliated/Constituent Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution
(data may be captured from IIQA)
1. Name of the Institution   Bahauddin Government Science College

- Name of the Head of the institution :   Dr. R. P. Bhatt

- Designation: Principal

- Does the institution function from own campus:
            Yes

- Phone no./Alternate phone no.:   912852675731

- Mobile no.:   9426975482

- Registered e-mail: principal.bsc@gmail.com

- Alternate e-mail :   drrajeshpbhatt@gmail.com

- Address   :   Near Bhutnath Temple, College Road

- City/Town   :   Junagadh

- State/UT   :   Gujarat

- Pin Code   :   362001

2. Institutional status:
- Affiliated / Constituent: Affiliated

- Type of Institution: Co-education/Men/Women   Co-education
- Location : Rural/Semi-urban/Urban: Semi-urban
- Financial Status: Government college, UGC 2f and 12 (B)

- Name of the Affiliating University: Saurashtra University
- Name of the IQAC Co-ordinator :   Dr. M. M. Jani
- Phone no. :   912852675731

   Alternate phone no.

- Mobile: 9427212526

- IQAC e-mail address: principal.bsc@gmail.com

- Alternate Email address: drrajeshpbhatt@gmail.com

3. Website address: http://bahauddinscience.edu.in
      Web-link of the AQAR: (Previous Academic Year): AQAR 2015-16
4. Whether Academic Calendar prepared during the year? Yes

, if yes, whether it is uploaded in the Institutional website: Weblink: Academic Calendar

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	B++	--	2007	from:31/03/2007 to: 30/03/2012
2nd				from: to:
3rd				from: to:
4th				from: to:
5th				from: to:

6. Date of Establishment of IQAC: 15/06/2012

7**.** Internal Quality Assurance System

7.1 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
To Arrange Academic And Administrative Audit regularly and take follow up for transparent and effective management	21/06/2016 to 20/06/2017	All students and stakeholders

Regular meeting of Quality Assurance Committee	21/06/2016 to 20/06/2017	All relevant stakeholders
Regular meeting of IQAC for total academic and administration planning and implementation	21/06/2016 to 20/06/2017	All relevant stakeholders
Regular meeting of IQAC for action taken	21/06/2016 to 20/06/2017	All relevant stakeholders
To promote and analyze pay grade related matter under CAS	21/06/2016 to 20/06/2017	All relevant stakeholders
To provide and verify the internet accessibility through NMEICT/NAMO WIFI/Broadband for the benefit of students	21/06/2016 to 20/06/2017	All relevant stakeholders
Organisation of study tours/ workshops on quality based themes for promotion of knowledge	21/06/2016 to 20/06/2017	All relevant stakeholders
Arrangement for feedback response from the stakeholders on quality related institutional processes and workout as per the required changes	21/06/2016 to 20/06/2017	All relevant stakeholders
Preparation of AQAR as the guidelines and parameters of NAAC	21/06/2016 to 20/06/2017	All relevant stakeholders
Documentation of various programs/activities leading to quality improvements and promote students on quality enhancement	21/06/2016 to 20/06/2017	All relevant stakeholders
Organization of various function, celebrations successfully	21/06/2016 to 20/06/2017	All relevant stakeholders
To create student centric learning environment with collaboration of stakeholders, staff members and affiliating university	21/06/2016 to 20/06/2017	All relevant stakeholders
To adopt innovative practices for institutional development	21/06/2016 to 20/06/2017	All relevant stakeholders
To set patterns and follow them for the Development and maintenance of qualitative database	21/06/2016 to 20/06/2017	All relevant stakeholders
To prepare and submit AISHE data	21/06/2016 to 20/06/2017	All relevant stakeholders

Mukhyamantri Yuva Swavlamban Yojana (MYSY)	21/06/2016 to 20/06/2017			All relevant stakeholders

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
Bahauddin Government Science College – All department	All salary, contingent grants, grants for equipments, books and general expenditures. Infrastructure and reoccurring expenditure	Finance Department, Govt. of Gujarat	2016-17	Aprox. Rs. 45000000
	Refurbishment of infrastructure, maintenance (Cont.)	Finance Department, Govt. of Gujarat	2016-17	20000000
Bahauddin Government Science College – All	Development, Merged and Special	UGC (Plan 12)	2016-17	2250000

department	assistance				
Bahauddin Government Science College – All department	Saptdhara	KCG, Ahmedabad	2016-17		60000

9. Whether composition of IQAC as per latest NAAC guidelines: Yes

http://bahauddinscience.edu.in/administrator/images/iqac/iqac-action/37153_IQAC%20Action%20Taken%20Report%20(2016-17).pdf

10. No. of IQAC meetings held during the year: 01

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website…….
Yes/No Yes
http://bahauddinscience.edu.in/administrator/images/iqac/iqac-action/37153_IQAC%20Action%20Taken%20Report%20(2016-17).pdf

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?   Yes   No No

        If yes, mention the amount: Year:

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

* Student centric environment for teaching and learning

* Use of ITC and innovative methods

* Awareness programs

* Educational field tours and industrial visits

* Nonconventional/Renewable energy in form of Solar energy

* Vittiya Saksharta Abhiyan (Financial Literacy Drive – Digitalization)

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

Plan of Action	Achievements/Outcomes
Renovation and refurbishment of the existing laboratories and give it a modern touch with keeping all essential facilities intake	This heritage building has very spacious laboratories with adequate facilities but with time 70 year old building was required total renovation and refurbishment which is done thoroughly under "Operation Jirnodhdhar"
To create student centric learning environment with collaboration of stakeholders, staff members and affiliating university	It helped students to get through knowledge of concerned subjects as a result number of students have cracked many qualifying and competitive examinations including NET/SLET
To establish conducive ambiance for imparting quality education and promote creative thinking among student and staff members	Students acquired basic knowledge for further studies and research initiatives
To organize study tours/ workshops on quality based themes for promotion of knowledge	Study tours in Chemistry, Physics, Botany, Zoology and Forensic Science subjects were conducted which help students to acquire hands on knowledge
Value Added Program – Finishing School	Finishing school is a government initiative and a flagship program which helped the students to cultivate their personality, interview skills and soft skill to make them employable

14. Whether the AQAR was placed before statutory body? : Yes

   Name of the Statutory body:　　　IQAC　　　　　Date of meeting(s): 01/07/2017

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?
   Yes/No: NO　　　　　　　　　　　Date:

16. Whether institutional data submitted to AISHE: Yes/No: Yes

        Year: 2016-17   Date of Submission: 15/02/2017

17. Does the Institution have Management Information System?

    Yes Yes **No**

There exist well functional MIS in college. Almost all the financial management is done digitally; right from the releasing of grant to the utilization of money is through online mode. The salary and expenditure is totally done using Treasury online, Integrated Finance Management System (IFMS), PFMS and GEM. The tax deduction and payment is made online. Admission, enrolment process and internal mark entry of the students is done digitally. Scholarship is also deposited online in the bank account of the student directly.

Though all the financial management is done through MIS (IFMS) still a few components like fee collection is manual for the convenience of the students. The office automation and some of the functioning of the office is fully digital and online as follows.

As a higher education institute of government it is mandatory to go with MIS. AISHE, NIRF, AAA and NAAC are certain procedure and process where acquisition of data is done following MIS. College is participating in all above processes and procedures. This institute is run by Government of Gujarat where e-Governance is implemented through GSWAN and other digital initiatives. Going with Digital India concept, institution has also adopted biometrics based digital presence of the staff.

It is covering all the aspect right from the student information to the academic and administrative criteria. It is also includes almost all aspect like admission, transparency in administration, finance and progression of the student.

Part-B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

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

Bahauddin Science College is an affiliated institute. It enforces the curricular prescribed by Saurashtra University. For effective implementation of the curriculum, well-planned process is established and deployed. The principal of the college conducts meeting with the various department heads to develop appropriate strategies for the same.

At the beginning of every academic year, academic calendar of institute is prepared in accordance with academic calendar of Saurashtra University which include internal test schedule, university examination schedule, departmental and institution level activities.

Head of each department allocates the theory and laboratory courses to faculty members according to area of expertise, skills and relevant experience.

The department time table for each semester is prepared which shows theory and laboratory class hours.

Faculty prepares extensive lecture notes using university prescribed books and other references. Laboratory are maintained and upgraded so that students are able to perform experiments in order to understand theoretical concepts with practical applications.

Students' attendance and academic progress for individual course is continuously monitored through teaching plan along with continuous monitoring. Periodical tests are conducted for theory subjects and viva-voce for practical.

- Students were celebrated various days like Wildlife Week, World Ozone Day, etc.
- Students visited zoo to learn more about animal life, it's conservation and management.
- A rally was organized on World Lion Day to spread awareness amongst locals where all staff members were participated with huge number of students.
- Chemistry students were also taken to industrial trip as a part of curricula.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Nil	Nil	Nil	Nil	Nil

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
Nil	Nil	Nil	Nil

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	**UG**	**PG**	Date of implementation of CBCS / Elective Course System	**UG**	**PG**
B.Sc. Mathematics	Yes	NA	June - 2010		
B.Sc. Physics	Yes	NA	June - 2010		
B.Sc. Chemistry	Yes	NA	June - 2010		
B.Sc. Zoology	Yes	NA	June - 2010		
B.Sc.Botany	Yes	NA	June - 2010		
B.Sc. Forensic Science	Yes	NA	June - 2010		

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

	Certificate	Diploma Courses
No 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
Finishing School Programme	03-04-2017	183

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
Field visit / Industrial visit/Education Tour	348

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	No	Yes	Yes

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

Feedback on course and curriculum is collected from the students, teachers, parents and alumni manually. The teachers' feedback is analyzed, compiled and proposed for new and relevant advance topics to be included in syllabus in meetings of Board of Studies. The suggestions obtained from feedback cannot be implemented directly at college level. However, the same is shared and discussed with the senior faculty members who are members of board of studies and play a vital role in curriculum designing.

Students' feedback form has been designed to seek feedback from the students regarding the quality of teaching - learning environment and the effective delivery of curriculum. The form includes timely completion of syllabus, punctuality of teachers, teaching – learning environment in class, student-teacher interactions, use of ICT tools and availability of teachers after lecture hours etc.

Parents feedback form is designed to collect information relating to their satisfaction towards curriculum which covers various aspects like the level of curriculum/syllabus in different semesters, accessibility of textbooks, quality and relevance of curriculum, job placements, quality of teaching etc. are included.

Alumni's role in development of an academic institute is vital. We take regular feedback from alumni

formally as well as informally. The feedback form includes the topics such relevance of course, updated knowledge, content delivery, job placement, usefulness for higher studies and research and relevance to real life experience etc.

The suggestions are welcomed open heartedly and the valuable suggestions from the stakeholders are discussed and analyzed with faculties and incorporated accordingly.

CRITERION II - TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.Sc.	400	3563	396

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2016-17	1050	00	37	00	00

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
37	37	Multimedia LCD Projectors	06	02	Multimedia Presentations and Video Lectures

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

Classroom teaching and laboratory learning hours is kept student centric which focuses on the overall development of the students. Teacher's role here becomes very important to impart quality education as well as make them aware towards their social responsibilities. In this phase of their life students require proper guidance and care to select their career and life path. This year also we are fortunate to have the visiting faculties working full time. The mentoring system adopted during previous year is continued this year. We have taken advantage of the existing batch system of the experimental practical teaching and formally instructed all the practical teachers to mentor the students of their respective batch. The teacher

in-charge of a practical batch is directly in touch with students of that batch which results also in an emotional bond between the teacher and the students. We at Bahauddin Science College, take is opportunity to render mentorship to the students. Students are advised to be in touch with their practical in-charge teacher to resolve any of their queries, their doubts, etc. It is just like a system of class teacher-class student arrangement and one type of one to one mentor mentee relationship. We have English subject as Foundation Course which provides an opportunity to be in touch with all the students for the moral teaching and over all development of the students. Students are encouraged to share their personal/emotional issues which are hindering their curricular growth with their practical in-charge. All the teachers are advised to tackle to the student's problems with utmost empathy and care.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
1050	37	0.035

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
53	37	16	00	17

2.4.2 Honours and recognitions 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

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
B.Sc.		6	18/03/2017	03/05/2017

2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Execution and reforms in Continuous Internal Evaluation is carried out as per the guidelines of affiliating university. Internal examination carries 30 % of marks which includes internal tests, timely submission of assignments, laboratory behaviour and journal and project submission etc. We conduct internal examinations in the same pattern of university examination, i.e., all the examinations are conducted on same day with centralize question paper printing and distributing etc. Here, we would like

to mention because this is a science college, internal examination for the practical is also carried out with utmost care and transparency. Assignment is a part of internal examination given to the students to bring out their own creativity and understanding of the subject. In internal practical, we emphasize on laboratory behaviour, discipline, journal and project submission, attendance and viva-voce as part of internal assessment and evaluation. The results are prepared with the help of answer keys and marking schemes. Results are displayed on notice boards. After internal examination the results are analyzed and steps are taken to identify slow learners and provide coaching in the lacking field of the concerned subject. The slow learners are encouraged to be in touch with concerned subject teacher to enhance their level of understanding.

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

For smooth functioning of the commencing academic year, the academic calendar is formed. The college's academic calendar reflects the major events incorporated in the affiliating university's academic calendar. The college's academic calendar includes year long planning of tentative dates of internal theory and practical examinations, curricular and co-curricular activities like celebrations of Mahatma Gandhi Jayanti, Sardar Patel Jayanti, Vivekanand Jayanti, Ambedkar Jayanti, Saptdhara activities, camps of NSS, NCC programs and all the government initiatives like Saptdhara, Udhisha, Sandhan, RUSA are included and executed in the calendar as per the guidelines. This academic calendar helps teachers and students plan their curricular and co-curricular activities well in advance.

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

Program Outcomes

2.6.2 Pass percentage of students

Program me Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
	B.Sc.	342	292	85.38

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance

SSS Result

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 Academic year
Major projects	**3 year**	**DST**	**18.69(lakhs)**	**6.14 (lakhs)**
Minor Projects	--	--	--	--
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--

Projects				
Projects sponsored by the University/ College	--	--	--	--
Students Research Projects *(other than compulsory by the College)*	--	--	--	--
International Projects	--	--	--	--
Any other(Specify)	--	--	--	--
Total			**18.69(lakhs)**	**6.14 (lakhs)**

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(s)
--	--	--

3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
--	--	--	--	--

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year		
Incubation Centre	Name	Sponsored by
--	--	--
Name of the Start-up	Nature of Start-up	Date of commencement
--	--	--

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards		
State	National	International
--	--	--

3.3.2 Ph. Ds awarded during the year *(applicable for PG College, Research Center)*	
Name of the Department	No. of Ph. Ds Awarded
NA	NA

3.3.3 Research Publications in the Journals notified on UGC website during the year		
Department	No. of Publication	Average Impact Factor, if any

	National	International	
Chemistry	-	13	
Mathematics	-	-	
Zoology	1	-	
Botany	-	1	
Physics	-	-	
English	-	-	

3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year	
Department	No. of publication
Chemistry	15
Mathematics	-
Physics	-
Zoology	1
Botany	-
English	1

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

Title of paper	Name of the author/s	Name of journal	Year of publication	Citation index	Institutional Affiliation mention in publication	No. of Citation (Excluding self)
Determination of dissociation constant of some cyanopyridines derivatives in DMF-water medium, Volume 5, Issue 2, (2016)	BALUJA, S., MOVALIA, J., & RAMAVAT, P.	Journal of Applied Chemical Science International	2016		Department of Chemistry, Saurashtra University	
Kinetics of thermal degradation of cyanopyridine derivatives	BALUJA, S., MOVALIA, J., & RAMAVAT, P.	Journal of Applied Chemical Science International	2016		Department of Chemistry, Saurashtra University	
A STUDY ON ACETYLATION OF SUGARCANE BAGASSE (SCB)	Dr.J.K. Parmar, Dr. D. K. Raval	International Journal of Scientific Development and Research (IJSDR)	2016	0	Government Science College, Idar	0
Study of Presence of Available Potassium and Fertility Index of Farmland Soil of Danta Taluka Territory District: Banaskantha (Gujarat)	Dr.J.K. Parmar	International Journal of Science and Research (IJSR)	2016	0	Government Science College, Idar	0
A Base−Catalyzed Domino Claisen-Schmidt/hetero-Diels-Alder Synthesis of Tricyclic Pyrano[3,4-*c*]chromenes in	Bhagyashri D. Parmar, **Tushar R. Sutariya**,	*Journal of organic chemistry*	2016		Department of chemistry, Sardar Patel	05

Glycerol	Gaurangkumar C. Brahmbhatt, Narsidas J. Parmar, Rajni Kant, and Vivek K. Gupta				university	
A catalyst− and solvent−free multicomponent synthesis and docking study of some new antiproliferative N_5-allyl-quinolylpyrido[2,3-b][1,4]benzodiazepinone precursors	Hitesh A. Barad, **Tushar R. Sutariya**, Gaurangkumar C. Brahmbhatt, Narsidas J. Parmar, Irene Lagunes, José M. Padrón, Prashant Murumkar, Mayank Kumar Sharma, Mange Ram Yadav	*New Journal of Chemistry*	2016		Department of chemistry, Sardar Patel university	02
One-pot synthesis, biological evaluation, and docking study of new chromeno-annulated thiopyrano[2,3-c]pyrazoles	Bhagyashri D. Parmar, **Tushar R. Sutariya,** Gaurangkumar C. Brahmbhatt, Narsidas J. Parmar, Rajni Kant, Vivek K. Gupta, Prashant R. Murumkar, Mayank Kumar Sharma, Mange Ram Yadav	*Molecular Diversity*	2016		Department of chemistry, Sardar Patel university	04
Synthesis and Antimicrobial Screening of New Pyrazolines Derived from Chalcones of Vanillin Analogue	**Krushnkumar Karangiya, Jatin J. Upadhyay**	**International Journal of Pharmaceutical Sciences and Drug Research**	2016		D. K. V. arts and science college, Jamnagar	
Synthesis and pharmacology evaluation of new coumarin clubbed carbamodithioate moiety using biocatalyst	Keyurkumar A. Kamani and Kanuprasad D. Patel*	Chemical Science Transactions	2016		V. P. & R. P. T. P. Science college, Vallabh Vidyanagar	0
Evaluation of 4-Hydroxy-coumarin derivatives as antimicrobial agents	Dr. K. S. Pancholi	Journal of Chemical and pharmaceutical Research	2016	0	H. & H. B. Kotak Institute of Science, Rajkot	0
Synthesis & Anti-microbial activity of new condensed coumarin-4-acetohydrazide	Dr. K. S. Pancholi	Acta Chimica & Pharmaceutica Indica	2016	0	H. & H. B. Kotak Institute of Science	0
Design, Synthesis, and Characterization of 1, 3-disubstituted-1,4- benzodiazepine Derivatives.	**Satish M. Ghelani** and Yogesh T. Naliapara	*Journal of Heterocyclic Chemistry*,	**2016**		Department of Chemistry, Saurashtra University	2
Design, Multicomponent Synthesis and Characterization of Diversely Substituted Pyrazolo[1,5-a] Pyrimidine Derivatives.	**Satish M. Ghelani** and Yogesh T. Naliapara	*Journal of Heterocyclic Chemistry*,	**2016**		Department of Chemistry, Saurashtra University	0
Distribution of Rhodactis cf. rhodostoma (Hemprich and Ehrenberg, 1834) from Gulf of Kachchh coral reefs and Saurashtra coast of Gujarat state	Chandresh S. Dave, Khushali M. Pandya, Kinjal V. Parikh and Pradeep C.	Journal of Marine Biological Association of India	2016	--	Government Science College, Jhalod 389151, Dahod,	--

	Mankodi				Gujarat, INDIA	
Novel Technique for Purification of Polluted Water by Using Plant Extracts in Rajkot	Manish M. Jani, Jignasa B. Joshi	International Journal of Innovative Research in Science, Engineering and Technology	2016	--	Bahauddin Science College	

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)						
Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Novel Technique for Purification of Polluted Water by Using Plant Extracts in Rajkot	Manish M. Jani, Jignasa B. Joshi	International Journal of Innovative Research in Science, Engineering and Technology	2016	-	-	Bahauddin Science College -

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :				
No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	--	--	--	--
Presented papers	--	4	--	--
Resource Persons	--	--	--	--

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 co-ordinated such activities	Number of students participated in such activities
SWAMI VIVEKANAND JANMAJAYANTI	NSS	03	12
GIRNAR AROHAN AVROHAN SPARDHA	NSS	04	200
CRICKET TOURNAMENT	NSS/SPORTS	07	77
VIDHYARTHI SIBISR, ALIDHRAGRAM	NSS	03	25

GPSC, UPSC, JAM, NET MARGDARSHAN SEMINAR	NSS/UDISA	03	280
GYAAN SAPTAH	NSS	12	311
GENERAL KNOWLADGE COMPITION	NSS/CCDC	04	326
GARABA MAHOTSAV	NSS	14	115
YOGA DAY	NSS/SPORTS	24	180
RUN FOR UNITY	NSS/SPORTS	03	251
CASHLESS, MOBILE BANKING, DIGITAL TRANSACTION	NSS	02	44

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	No. of Students benefited
--	--	--	--

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 **coordinated** such activities	Number of students participated in such activities
	NSS/NCC/COLLECTOR OFFICE	SWACCHATA ABHIYAN	12	715
	NSS/NCC	SWACCHATA ABHIYAN	18	735

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
--	--	--	--

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-To)**	participant
Field visit	**Field Trip To Sakkarbaug Zoo**	**Sakkarbaug Zoological Park, Junagadh**	**10.08.2016**	**TY B.Sc. Students (50)**

Field visit	**Field visit**	**Indroda Park**	**3 days**	**T. Y. B. Sc. (Biology students)40**
Project work	**Project work**	**Abu-Ambaji, Udaipur, Shrinathaji, Kumbhalgadh**		**T. Y. B. Sc. (Zoology students)32**
Project work	**Project work**	**Abu-Ambaji, Udaipur, Shrinathaji, Kumbhalgadh**		**T. Y. B. Sc. (Botany students)47**
Project work	**Project work**	**Vaghai botanical garden, Saputara, Mahatma mandir, FSL lab Gandhinagar**	**5 days**	**T. Y. B. Sc. (Biology students)71**
Field visit	**Field visit**	**IPR , Gandhinagar Science city, Ahmedabad**	**2 days**	**T. Y. B. Sc. (Physics students)35**
Project work	**Project work**	**Abu-Ambaji, Udaipur, Shrinathaji, Kumbhalgadh**		**T. Y. B. Sc. (Biology students)82**
Field Visit	**Field trip**	**Lupin Ltd., Ankleshwar And Crop Life Science Ltd., Ankleshwar**	**30-Dec-2016 to 01-Jan.-2017**	**115 students + 05 faculties**

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 and Activities	Number of students/teachers participated under MoUs
Director of Forensic Science Laboratory	2016	**Student are getting Practical, Experimental, Theoretical know how RFSL using its human and Physical resources life sophisticated instrumentation Facilities**	**Per year 90 students + 10 Faculties Under the Exchange programme**

Kadi Vishwa vidhyalaya, Kadi	2016	**Student Exchange and Academic Visit**	**Per year 100 students + 5 Faculties**

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
1,92,00,000	**1,92,00,000**

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	**1.5 acre**	**--**
Class rooms	**09**	**--**
Laboratories	**14**	**--**
Seminar Halls	**--**	**--**
Classrooms with LCD facilities	**--**	**--**
Classrooms with Wi-Fi/ LAN	**09**	**--**
Seminar halls with ICT facilities	**--**	**--**
Video Centre	**--**	**--**
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	**--**	**--**
Value of the equipment purchased during the year (Rs. in Lakhs)	**--**	**--**
Others	**--**	**--**

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 partially)	Version	Year of automation
SOUL (software for university library)	**FULLY**	**2.0**	**2013**

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	**18,081**	**--**	**--**	**--**	**18,081**	**--**
Reference Books	**327**	**--**	**--**	**--**	**327**	**--**
e-Books	**--**	**--**	**--**	**--**	**--**	**--**
Journals	**01**	**720**	**--**	**--**	**01**	**720**
e-Journals	**--**	**--**	**--**	**--**	**--**	**--**
Digital Database	**--**	**--**	**--**	**--**	**--**	**--**
CD & Video	**--**	**--**	**--**	**--**	**--**	**--**
Library automation	**--**	**--**	**--**	**--**	**--**	**--**
Weeding (Hard & Soft)	**--**	**--**	**--**	**--**	**--**	**--**
Others (specify)	**13**	**12,881**	**--**	**--**	**13**	**12,881**

[Magazine]						

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MBPS)	Others
Existing	87	33 + 25	10 mbps	06	03	09	20	10	--
Added	--	--	--	--	--	--	--	--	--
Total	87	33 + 25	10 mbps	06	03	09	20	10	--

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

10 MBPS

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
--	--

4.3.4 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
--	--	--	--

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
Nil	Nil	20,000,000	20,000,000

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Our institution's policy is to make all the physical and academic facilities always accessible to our students and also should be in well functioning mode. At the beginning of each academic year, the institute tries to implement this policy by providing all the requisite details to students through orientation programme on how to utilize our library, classrooms, laboratories, DELL Lab, play ground and assembly hall. Besides that, our institution keeps updating every year all the physical and academic facilities as and when needed. As this college is a science college having variety of science subjects like chemistry, physics, botany, zoology, mathematics and forensic science, standard laboratory procedure and protocol is observed. All student related notices including results are regularly put on the website. We also maintain facilities like Public Address System, Intercom, Internet, LAN, burglar alarm (security system). College is equipped with CCTV camera surveillance system in classroom, laboratories, lobbies, ground and entrance are covered under surveillance. There is central as well as satellite monitoring system of this CCTV network. It is useful for examination as well as for security purpose for the students, costly instruments. This system is well

maintained and updated/upgraded time by time. Our policy is to timely maintain and update these facilities. There is backup system with DVR and a backup of one month is kept. Here it is worth to mention that all the hardware, instruments and softwares are also updated in sophisticate instruments and in all the computers of the college. Furthermost, we are fortunate to have some very old laboratory instruments which are also maintained and kept in working condition. Financial requirements are fulfilled through government grants. As ours is the government college and all the physical entities are maintained through dead stock register which contains purchase, old items, new items, removed entries and newly added items. All the registers of all the years are well maintained with our office.

http://bahauddinscience.edu.in/administrator/naac/42372_Procedures%20and%20policies.pdf

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**	**Nil**	**Nil**
Financial support from other sources			
a) National	**Post Metric Scholarship For SC/ST/OBC students**	**412**	**11,17,179/-**
	Freeship Card	**1**	
	Inspired scholarship	**1**	
	Minority Scholarship	**12**	
	Umbrella Scheme for ST students	**43**	
	Center sector scheme	**6**	
	Mukhya Mantri Yuva Swavlamban Yojna	**16**	
b) International	**Nil**	**Nil**	**Nil**

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 implementation	Number of students enrolled	Agencies involved
Digital Education Learning Lab	2013	873	KCG, Ahmedabad
SCOPE (Society for creation of opportunity through Proficiency in English)	2013	287	KCG, Ahmedabad
YOGA Activity under NSS Scheme & Yoga Day	1983	136	NSS & Gujarat Govt.,
Meditation Activity under	1983	50	NSS

NSS Scheme			
Personal Counselling			
Remedial Coaching			

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2016-17	**UDDISHA club**	**220**	**220**	**16**	**00**
	Carrier Counselling and development Centre	**245**	**245**	**16**	**00**
	National Graduatelevel Physics Exam (NGPE)	**37**	**37**		
	Finishing School	**152**	**152**		

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	No. of grievances redressed	Average number of days for grievance redressal
Nil	Nil	Not Applicable

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
Nil	00	00	00	00	00

5.2.2 Student progression to higher education in percentage during the year = 90.94%

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2017	148	B.Sc	Chemistry, Botany, Zoology, Physics, Mathematics, Forensic	saurashtra university rajkot	M.Sc
				department of biosciences	M.Sc
				bhavnager university	M.Sc
				christ college	M.Sc
				department of physic sp university	M.Sc
				M S university	M.Sc
				K S K V kutchh	M.Sc
					M.Sc
				B N Patel Insitute of Pramedicial aanad	M.Sc
				P M Patel Insitute of research aanad	M.Sc
	3			A N patel insitute of PG	M.Sc
				S P university	M.Sc
				Kadi sarvo visav vidhiyal gandhinager	M.Sc
				R K university	M.Sc
				bharti insitute of pharmacutical science	M.Sc
	1			gujarat forensic university	M.Sc
	3			forensic science university gandhinager	M.Sc
	6			Dr. subhas Mahila College	B.Ed
	18			Dr. subhas College of education junagadh	
	10			M B gardi college mangrol	B.Ed
	3			Sardar patel mahila college junagadh	B.Ed
	3			H N sukla B.Ed college	B.Ed

			College	Course
4			Arjun college B.Ed supasi	B.Ed
2			Harivandna B.Ed college rajkot	
2			V G solanki B.Ed Gir somnath	B.Ed
15			P K M B.Ed college junagadh	B.Ed
			sarvodai college rajkot	B.Ed
1			Prangat B.Ed college Hadvat	
1			S R herma college satapar	
1			Government B.Ed college surendra	
2			C C S I T junagadh	B.Ed
6			Tapovan B.Ed college junagadh	B.Ed
3			J B barad sutrapada	B.Ed
1			Ukabhai dodiya simar	B.Ed
			Shree Dharmajivan swami B.Ed college	B.Ed
			M N virani college	B.Ed
2			Somnath college B.Ed	B.Ed
14			Aaditya B.ed college junagdh	B.Ed
			Mukesh jani B.Ed college	B.Ed
			S J Thaker college	B.Ed
1			Swaminarayan B.Ed college prabhaspatan	B.Ed
6			B M barad sutrapada	B.Ed
			M J gajera B.Ed college	B.Ed
12			J N bhatu B.Ed college	B.Ed
			bosamiya Ars n commers college	B.Ed
3			B.Ed bhutavad dhoraji	B.Ed
1			T N Rao	B.Ed
2			J J kundaliya rajkot	B.Ed
4			R G T college Probandar	B.Ed

1			Darbar gopalbas B.Ed college jamnager	B.Ed
			V B Nandoda college bhacha	B.Ed
2			I N S T chaprda	B.Ed
2			J K M B.Ed college junagadh	B.Ed
3			Mahila Arts n Sciences college simar	B.Ed
4			Yadav college Mangalpur	B.Ed
2			Matruvandana B.Ed college simar	B.Ed
4			vivek bharti college junagadh	B.Ed
2			B.Ed college jamkandona	
2			Navyug college of education	B.Ed
1			B D barad B.Ed kodinar	B.Ed
301				

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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	**01**	**102837**
SET	**07**	**6606, 778, 8487, 333, 9480, 9610, 752**
SLET	**00**	
GATE	**01**	**MA17S42007019**
GMAT	**00**	
CAT	**00**	
GRE	**00**	
TOFEL	**00**	
Civil Services	**02**	
State Government Services	**00**	
Any Other	**00**	

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

Activity	Level	Participants
Nil		

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/ International	Sports	Cultur al	Student ID number	Name of the student
2016-17	**Nil**					

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

To developed leadership skills among the students of Bahauddin College many committees are formed e.g. UDISHA cell, hostel committee etc. Among the various committees the description of two committees is given below,

1- **Hostel committee**

Hostel facility is provided to the students commuting from the distant area of the region. For the proper functioning of hostel and related activities a hostel committee is also formed. Students are given equal participation in that committee with the guidance of senior teachers. As per the suggestions made by the hostel committee, decisions are taken to create a healthy and conducive environment for learning. To inculcate cultural and moral values in the students various social and religious functions are organised in the hostel campus. Navratri and 'Satyanarayana katha'. Navratri function is celebrated with full enthusiasm. Students make all the arrangements to carryout navratri celebration. Along with navratri a Satyanarayana katha is also organised, in which students as well as staff members equally participate.

2- **UDISHA CELL**

In this age cutthroat competition and aspiration to get good job it is very necessary to increase the skills of students. There is an UDISHA cell to impart guidance and motivation to the students for employment. As per the rules and regulations of government of Gujarat the cell is formulated in which students are also given responsibility to carry out various programmes regarding job placement under this cell. For the better future of the students various activities are organised time to time. Under this cell number of programmes are organised like development of interview skill, CV writing, personality development, preparation for competitive exams etc. to guide and encourage the students.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association?, if yes give details (maximum 500 words):

Yes

College has active mechanism for the collection of information of our alumni.
Bahauddin Science College is 118 year old college with tradition of generating quality students. Our students are working in almost all the areas of society e.g. teaching, industries, army, politics, police, administrative service, business etc.

According to the Google statistic our website is sited from 67 countries covering 6 continents it indicates presence of our alumni on all around the globe. Moreover we receive feedback of our students in which they shows their gratitude towards mother institute.

We are using our website for collecting database of our past students. More than one thousands students have registered themselves on our website. Our students take active interest in the overall development of the institutes. Many students visit the college regularly and offer their service for the college.

It is also a point of proud for us that more than half of teaching staff in our college are also our alumni hence they have deep affection for their mother institute. They take active interest in the maintenance and development of academic environment in the college.

5.3.2 No. of-registered Alumni:

951

5.3.3 Alumni contribution during the year (in Rupees) **:**

NIL

5.3.4 Meetings/activities organized by Alumni Association **:**

NIL

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

Vision

To provide infrastructural facilities and create conducive educational environment to pursue higher education in science stream for the students of this remote and developing area of the state with an aim to bring them in the mainstream development of science, technology, research and value oriented society.

Mission

Keeping in the mind the vision and the purpose and thereby provide higher education in science to the students of this area and with these aids bring them into the main stream of the development and thereby develop the society for futuristic overall development process. Also provide higher education which comprehensively includes the traditional and value base system associated with higher education. By this mission provide thrust in the development of the nation and maintain the texture of age old values of our culture and tradition.

6.1.1 Mention two practices of decentralization and participative management during the last year

There are two types of decentralization; one is department level and another at committee level decentralization.

1) **DEPARTMENTAL LEVEL**

College keeps all the departments as one unit in which Physics, Chemistry, Biology, Mathematics, Forensic Science and English are included. Here, each department is having one head of the department where the functioning of HODs is to manage, monitor and mentor whole department including teaching, non-teaching staff and students.

2) **COMMITTEE LEVEL**

Here, decentralization and distribution of responsibilities and work is done. However, principal by the virtue of the post is an integral part of every committee. Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular and extracurricular activities. For effective implementation and improvement of the institute following

committees are formed. Other units of the institute like sports, library, store etc. have operational autonomy under the guidance of the various committees/cells.

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

There exist well functional MIS in college. Almost all the financial management is done digitally; right from the releasing of grant to the utilization of money is through online mode. The salary and expenditure is totally done using Treasury online, Integrated Finance Management System (IFMS), PFMS and GEM. The tax deduction and payment is made online. Admission, enrolment process and internal mark entry of the students is done digitally. Scholarship is also deposited online in the bank account of the student directly.

Though all the financial management is done through MIS (IFMS) still a few components like fee collection is manual for the convenience of the students. The office automation and some of the functioning of the office is fully digital and online as follows.

As a higher education institute of government it is mandatory to go with MIS. AISHE, NIRF, AAA and NAAC are certain procedure and process where acquisition of data is done following MIS. College is participating in all above processes and procedures. This institute is run by Government of Gujarat where e-Governance is implemented through GSWAN and other digital initiatives. Going with Digital India concept, institution has also adopted biometrics based digital presence of the staff.

It is covering all the aspect right from the student information to the academic and administrative criteria. It is also includes almost all aspect like admission, transparency in administration, finance and progression of the student.

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):

❖ Curriculum Development

Our institute is affiliated to Saurashtra University and Bhakt Kavi Narsinh Mehta University. The institute implements the curriculum prescribed by the affiliating university. Most of our HODs and senior faculties are member of board of studies of the University and they put valuable suggestions on syllabus design. For effective implementation of the curriculum, the well-planned process is developed and deployed by university and institute.

❖ Examination and Evaluation

At Bahauddin Science College, Junagadh continuous internal evaluation is a regular process as per CBCS norms. Out of 100 marks of each course, 30 marks are allotted through conducting internal examination and 70 marks for external examination in each semester. The internal examinations are conducted by internal examination committee. The schedule of the internal examination is prepared well by examination committee in advance and communicated to students through notice boards and in class announcements. The schedule of the external examination is prepared by university and make available

online on university website and copy of this is displayed on student notice board of the institute.

❖ Research and Development

In our college good research ambiance is provided. Most of the faculties of our college are doctorate and some are pursuing PhD degree. All have diversified research experience and coming from different background like industries, Analysis laboratories etc, so it helps to student to understand different research problem and aware about research facilities which help to student for their higher education. Beside that our college has various sophisticated instruments like Fourier-transform infrared spectroscopy (FTIR), Gas chromatography (GC), Ultraviolet instrument, bruke-field viscometer, Comparison microscope, Stereo microscope, Spectrophotometer, tensile tester which help to students, for basic operating knowledge of instruments and its application in research. Almost all the faculties have research outcomes. Many papers, few projects, patents and awards are into the account of the college. Some of the faculties have published a number of books. E-journals and E-books are made available for teaching faculty on N-list facility for rapid access to e-resources.

❖ Library, ICT and Physical Infrastructure / Instrumentation

The institute has well furnished library. The library plays major role both in the provision of intimation for study and research. For the better management of library the SOUL (2.0) software in installed. All the class rooms are equipped with LCD projector and teachers using this facility as supporting document to make effective their lectures. This is a science institute and there for it has good instrument facility in each department. The institute is under CCTV surveillance. There are 62 CCTV cameras with backup and DVR is standalone for capturing and storage of images. A separate security system with motion sensor is deployed. Every laboratory is equipped with all class fire extinguishers.

❖ Human Resource Management

This is a government college. All the privilege and government beneficiary schemes are applicable to the employees of this college. At the same time all the rule and regulations of a government institution is also observed. As per government norms gazetted officers of the cadre of Class I and Class II have been assigned their duties along with their teaching task. GCSR and certain laws and regulations are to be observed by each employee. The hierarchy from the top Principal Secretary to the Peon comes under the service and regulation act and as a result human resource management is completed perfectly. GPF/CPF and Pension benefits along with medical schemes are applicable as per government norms.

❖ Industry Interaction / Collaboration

Chemistry department is in live rapport with various industries. Industrial tour is organized by department of chemistry every year in final semester. Number of extension and outreach programmes conducted in collaboration with industry, community and government organizations like ISRO, PRL and IPR. Our college has also started B.Sc. in Forensic Science since 2009 and it is one of the unique courses offered in this state. The college has also signed MoU with Directorate of Forensic Science (DFS), Govt. of Gujarat branch Regional Forensic Science Laboratory (RFSL). Regular industrial visits, educational tours, field trips and zoo and sanctuary visits are organized by the concerned departments to get the practical exposure about the functioning of the organization.

❖ Admission of Students

Admission procedure is online and merit based and admission committee composed of office staff and teaching faculty is taking care of the entire admission procedure. The detail of admission procedure is displayed on notice board as well as on college website. The admission form is filled up online and submitted to college in hard copy with necessary documents. The form is verified and necessary

correction is done by the admission committee. The admission process is transparent. The entire admission process is strictly adheres procedures, rules and regulations laid down by the government and affiliating university about reservation policies.

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

Areas of e governance	Implemented?	
Planning and Development	**Yes by Gujarat Wide Area Network (GSWAN)**	
Finance and Accounts	**Yes by Integrated Finance Management System (IFMS)**	
Administration	**Yes by Government email group, www. egyan.org.in**	
Student Admission and Support	**Yes by university website and scholarship Portal**	
Examination	**Yes by university website**	

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 -NIL

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

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)

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	Name of teachers who attended	Date and Duration (from – to)
Reacherch and teaching Methodology	Mr. Y N Dangar	22/8/16 to 10/9/16
The environment needs our help	Dr. K A Kamani	9/01/2017 to 29/01/2017
The environment needs our help	Dr. K L Karangiya	9/01/2017 to 29/01/2017
Advances in Life Science and climate Change	Dr. C S Dave	6/6/16 to 26/6/16
Mathematics	Dr. H J Kanani	07/9/16 to 27/9/16
E-content Development	Dr. R C Viradiya	13/2/17 to 19/2/17

The environment needs our help	Dr. J K Parmar	9/01/2017 to 29/01/2017
Film and Medias Studies	Dr. K S Pancholi	3/10/16 to 9/10/16
The environment needs our help	Dr. A M Gajjar	9/01/2017 to 29/01/2017
Environmental studies	Dr. M F Dhaduk	26/11/16 to 16/12/16
Environmental studies	Dr. S M Ghelani	26/11/16 to 16/12/16

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
00	0	00	0

6.3.5 Welfare schemes for

Teaching	There are various welfare scheme provided to teaching and non teaching staff members like group insurance (GLI), provident fund (PF), Medical, HRA, Mercy base fund and different types of loans. The institute provides accommodation facilities for all teaching staff in the nearby surroundings of the institution at very nominal and low rates.
Non teaching	Group Insurance (GLI), Provident Fund (PF), Medical, HRA, Mercy base fund and different types of loans. The institute provides accommodation facilities for non-teaching staff in the nearby surroundings of the institution at very nominal and low rates.
Students	Various Scholarship like Chief Minister Scholarship Scheme, National merit means scholarship, Post metric scholarship for OBC and minority student, Special scholarship for SC and ST student. The hostel facility is provided to the college student with nominal fee for boys. Student Accidental Insurance for all the students.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

The institute has a mechanism for internal and external audit. Since we are the government college, entire grants of salary and other expenditures are given by government. These expenses are subject to audit from the education department, local audit department (State government) and Accountant General Office (Central Government).

The external auditors verify and certify the entire Income and Expenditure and the Capital Expenditure of the Institute each year. The internal audits are done by office team. They check and verify all the vouchers of the transactions that are carried out in each financial year.

Likewise, an external audit is also carried out time to time by Account General (AG) government of Gujarat audit Department. So far there have been no major findings / objections. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future.

The audits of grant under UDISHA, SAPTDHARA, Finishing School and UGC are done by local authorized Chartered Accountant.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)- NIL		
Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
NIL	NIL	NIL

6.4.2 Total corpus fund generated :   NIL

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	Account General	Yes	Knowledge Consortium of Gujarat
Administrative	Yes	Account General	Yes	Knowledge Consortium of Gujarat

6.5.2 Activities and support from the Parent – Teacher Association (at least three):03

Elocution competition

Yoga

Celebration of Gurupurnima Day

6.5.3 Development programmes for support staff (at least three) : 03

Yoga

Vyasan Mukti Drive

Family Welfare meet

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

6.5.5

a. Submission of Data for AISHE portal   : Yes

b. Participation in NIRF   :   Yes

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 activity	Duration (from-----to------)	Number of participants
2016-17	Academic visit to industry and scientific institutes	December-16 to January-17	December-16 to January-17	Final year students
2016-17	Water Harvesting	July 16	Entire Monsoon season	All students and staff
2016-17	Yoga Day Celebration	21 June 2016	15th June to 21st June	All student and Staff
2016-17	Clean and Green Campus drive	02/10/2016	One Day	All students and Staff
2016-17	Word Lion Day	10/08/2016	One Day	All students and Staff

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-to)	Participants	
		Female	Male
Collective Leadership (Resourse Persons: Chetnaben Paneri & Jayshriben Vekariya)	12.08.2016	212	0
Effective Public Speaking (Resourse Persons: Yatin Karia & Jayshriben Vekariya)	13.08.2016	198	0
Women Empoerment Program	01.08.2016 to 14.08.2016	148	0

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources

Yes, Environmental Consciousness amongst students have been brought by tree plantation, by water harvesting in the campus and waste management and also providing education regarding pollution control and green campus awareness.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	YES	All Divyangjans
Provision for lift	NO	---
Ramp/ Rails	YES	All Divyangjans
Braille Software/facilities	NO	---
Rest Rooms	YES	All Divyangjans
Scribes for examination	YES	All Divyangjans
Special skill development for differently abled students	NO	---
Any other similar facility	NO	---

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2016-17	2	2	10.08.2016	conservation of Asiatic Lions	Awareness Programme rally for extinct creature, *Asiatic Lion.*	225

			10.08.2016	Field Trip To Sakkarbaug Zoo	Conservational and breeding programme run by ZOO	38

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Code of Conduct	15/06/1983	Code of Conduct

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of participants
GURUPURNIMA	19.07.2016	All Students
National Voters' Day	25.1.2017	All Students
Republic Day	26.1.2017	All Students
Independence Day	15.8.2016	All Students
World Environment Day	5.6.2016	All Students
NCC Day	27.11.2016	All Students
NSS Day	24.9.2016	All Students
Lion Day	10.08.2016	All Students
Navaratri Celebration	01.10.2016 to 03.10.2016	Hostel Students
Teacher's Day	05.09.2016	All Students
Run for Unity	31.10.2016	NCC & NSS Students
Yoga Day	21.06.2016	All Students

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

a)   Botanical and Medicinal Plantation: The back yard of the college behind chemistry department and the fence surrounding the college and also at the hostel special plantation with medicinal plants have been done. Here, different botanical species which are useful in study is also nurtured.

b)   Water Harvesting: College has taken an initiative to save water. In college campus, we have two tanks in which rain water is collected and stored during rainy season. This water is used in practical in chemistry and biology departmental laboratory throughout the year. Thus, students are also motivated for the proper use and harvesting of rain water.

c)   Paperless office: College had facilitated its departments and administrative office with computers and internet as well. Most of the working data are kept in softcopy.

d)   Use of CFL/LED bulb/power saver tube light and fans: Under eco-friendly drive and to reduce the consumption of electricity college is using CFL/LED bulbs and power saver tube light and fans in classrooms, laboratories, offices including the outer campus of the college.

e)   Energy saving mindset: Students are motivated to save energy. They are asked to switch off lights and fans when not required. Even the staff members also practice this to encourage the students.

7.2 Best Practices
Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link See [Annexure - I](#)
7.3 Institutional Distinctiveness
Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words See [Annexure - II](#)