



Yearly Status Report - 2018-2019

Part A

Data of the Institution

Part A	
Data of the Institution	
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.	285-2675731
Mobile no.	9426975482
Registered Email	principal.bsc@gmail.com
Alternate Email	drrajeshpbhatt@gmail.com
Address	Near Bhootnath Mahadev Temple, College Road
City/Town	Junagadh
State/UT	Gujarat
Pincode	362001

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Dr. R. C. Viradia
Phone no/Alternate Phone no.	07984346552
Mobile no.	9426472184
Registered Email	viradia66@gmail.com
Alternate Email	viradiarc@yahoo.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://bahauddinscience.edu.in/aqar.php
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4. Whether Academic Calendar prepared during the year	Yes
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if yes,whether it is uploaded in the institutional website: Weblink :	http://bahauddinscience.edu.in/administrator/images/igac/calender/34634_College%20Academic%20calendar%202018-19.pdf
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5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
2	B	2.46	2019	09-Sep-2019	08-Sep-2024

6. Date of Establishment of IQAC	15-Jun-2012
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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

NATIONAL CONFERENCE ON INCLINATION OF MODERN SCIENCE TOWARDS ENVIRONMENTAL PROTECTION AND SUSTAINABLE DEVELOPMENT	23-Jan-2019 1	601
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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
Institution	Salary	State Government	2018 365	57515000
Institution	Contingency	State Government	2018 365	3459000
Institution	Cleaning and Maintenance	State Government	2018 365	723000
Institution	Security	State Government	2018 365	861000
Institution	Saptadhara	State Government	2018 365	20000
Institution	UDHISHA	State Government	2018 365	20000
Institution	Finishing School	State Government	2018 365	1000000
Institution	Placement	State Government	2018 365	230000
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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	No
Upload the minutes of meeting and action taken report	No Files Uploaded !!!
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)

1) A multidisciplinary national conference in association with Indian Science Congress was organized to showcase ongoing research of eminent researchers and scientists of different universities and academic institutes and thereby facilitated students to develop research aptitude in the students specially UG students. 2) Mobile Attendance System (MAS) have been adopted for better monitoring of academic activities in the college and attendance of staff and students.

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

Plan of Action	Achivements/Outcomes
To enhance the teaching and learning experience with more advanced ICT facilities, IQAC proposed to purchase digital podiums, smart boards and allied setup.	The college, proposed the requirement of advanced ICT facilities to the central purchase committee constituted by Commissioner of Higher Education
To organize study tours/field visits/workshops	Study tours and field visits were carried out in subjects of Chemistry, Botany and Zoology
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14. Whether AQAR was placed before statutory body ?

No

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

2019

Date of Submission

24-Jan-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Our college is a government college. All the state funds for salary and contingency is managed by IFMS (Integrated Financial Management System) where as all the funds received from central agencies are managed under

PFMS. College also has a dedicated Student Management System (software) in which all student related information like their GR No., Name, relevant details, fee receipt generation, TC generation modules are available.

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

Bahauddin Government Science College is an affiliated institute with Bhakta Kavi Narsinh Mehta University, Junagadh. It enforces the curricular prescribed by the university. A well-planned process is established and deployed for effective implementation of the curriculum. 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 college is prepared in accordance with common academic calendar proposed by Education Department of the state and affiliating university. College prepares its own academic calendar in coherence with both the academic calendars subject wise. Academic calendar of college includes internal test schedule, university examination schedule, departmental and institution level curricular and co-curricular activities. Head of each department allocates the theory and laboratory courses to all faculty members according to syllabus and workload. The departmental time table for each semester is prepared which shows theory and laboratory class hours keeping in mind the credit of the course. Faculty prepares extensive study material using university prescribed books and other reference books. In order to understand theoretical concepts, practicals are designed in accordance with syllabi and they have to be performed systematically as per the lab procedures of relevant subjects. Here, we follow standard laboratory practice manuals. Laboratory are maintained and upgraded so that students are able to perform experiments smoothly. Students are called upon for performing experiments batch wise in every subjects. Student attendance and academic progress for individual course is continuously monitored through teaching plan through continuous monitoring. Assignments, Periodical tests are conducted for theory subjects and viva-voce for practical. For the science stream theory classes and practical labs are not only the teaching tools but academic tours, industrial visits and field excursions are equally important. As part of syllabi these have been included and implemented in each subject every year as per academic calendar. Under this different activities also organized for awareness towards scientific topics like...

- Students celebrate various days like Wildlife Week, World Ozone Day, etc.
- Students visit zoo to learn more about animal life, its conservation and management.
- Rally is being organized on World Lion Day to spread awareness amongst locals where all staff members participated with huge number of students.
- Chemistry students are also taken to industrial trip as a part of curricula and Physics students are visiting scientific institutes of national importance like ISRO, PRL and IPR etc.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
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No Data Entered/Not Applicable !!!

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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	12/06/2018
BSc	Botany	12/06/2018
BSc	Mathematics	12/06/2018
BSc	Physics	12/06/2018
BSc	Zoology	12/06/2018
BSc	Forensic Science	12/06/2018

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
Finishing School	03/04/2019	182
Field technician networking and storage	10/12/2018	39
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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	Botany sem. VI	48
BSc	Chemistry sem. VI	120
BSc	Physics sem. VI	75
BSc	Mathematics sem. VI	84
BSc	Zoology sem. VI	77
BSc	Forensic Science, Sem VI	28
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Feedback on course and curriculum which are collected from the students, teachers, parents and alumni manually. Then the feedback is analyzed, compiled and proposed for new and relevant advance topics to be included in syllabus in meetings of Board of Studies. Further it was gathered from the feedback that nowadays student wants to prepare for public service examinations and other examinations like GATE, AAA, JAM, NET/SLET etc. According to this need special arrangement is made by the institution to assign such responsibility to teachers so that they can incorporate guidance regarding these professional examinations. While overall development of the institution depends on how students get progression in the relevant field by clearing such examinations. Here it is worth mentioning that all of the faculties of this institute have successfully cleared public service examination and most of them are NET qualified and such qualities become very useful to guide the students for preparing such examinations. Most of the staff members are members of the Board of Studies and as a result they contribute for curriculum development.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	Chemistry, Botany, Physics, Mathametics, Zoology, Forensic Science	520	2829	393
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1064	Nil	28	Nil	Nil

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

	Resources)				
28	28	18	6	2	18
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)

Mentoring system has been consistently streamlined, efficient and outcome-based through the effective intervention by IQAC over the years. Ours is a science college where we get an opportunity to interact a group of students face to face during practical laboratory sessions. We utilized this to the benefit of students in mentoring them. Students are advised to be in touch with their practical in-charge teacher to resolve any of their academic, non academic and personal queries, doubts, etc. Thus, in this process, the practical in-charge teacher takes on multiple roles, in an effort to get closely acquainted with the allotted students. For this, interaction may be much more often, depending on the requirements of the student. Broadly, the mentor is responsible for: 1. Managing the day to day activities of their mentee. 2. Keeping an eye on the regularity and discipline related matter of their mentee on the campus. 3. To get familiar with socio-economic background of the mentee's family and accordingly do needful if required. 4. To maintain the academic and personal record of the student. 5. To identify slow and advanced learners to adopt suitable teaching learning practices. 6. To direct the slow learners to bridge, remedial and other language proficiency courses. 7. To encourage the advanced learners for preparation of different competitive examinations, higher studies and research. 8. To inform and encourage mentees to participate in co curricular and extracurricular activities or events as per their interest and talent. 9. To identify the capacity and to judge their futuristic career possibilities one should be directed towards suitable career and this is the role of mentor here. Here mentors are exactly performing their role to fulfil this mission. 10. To address individual problems or any interpersonal issues arising in the class. 11. To take informal feedback from the students on the college functioning. In addition, the college has always provided a very conducive and cordial ambience for an informal mentoring through the student teacher interaction at various levels. Over the years, this has developed a healthy relationship between the students and teachers. The students often approach their heads of departments or subject teachers with assurance in the staff room, departments and other areas in college. This approachability is enhanced through the constant interaction between teachers and students that is facilitated by various social media platforms. These various platforms give the student a chance to seek mentorship with respect to not just academics, but also for personal and emotional issues. Sometimes, noting the severity of the issue, the issue is escalated to the head of the institute and parents. Furthermore, the mentee is recommended to consult experts.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1064	28	0.0263

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	28	25	Nil	22

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
No Data Entered/Not Applicable !!!			
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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	1	6	22/03/2019	03/05/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

At Bahauddin Science College, continuous internal evaluation is a regular process as per CBCS norms suggested by UGC. Taking this into consideration, State Education Department provides a common central advisory for colleges and universities which consists common academic program every year. Affiliating university has adopted marking scheme as follows - out of 100 marks of each course, 30 marks are allotted through conducting internal examination and rest of 70 marks are of external examination in each semester. Internal theory evaluation consists of 30 marks which is divided into internal examination (10 Marks), MCQ Test (5 Marks), Assignments (10 Marks) and Discipline and Attendance (5 Marks). Similarly in practical also continuous internal evaluation is carried out with same weightage of percentage of marks. Here against 35 marks of external practicals, 15 marks are of internal practicals. Further, 15 internal practical marks are to be given through evaluating active participation including journal submission and viva-voce, attendance and laboratory etiquettes of the student in the practical work throughout the semester. These internal examinations are conducted by internal examination committee. The schedule of the internal examination is prepared well in advance and communicated to students through notice boards and in class announcements. To bring seriousness of this internal examination, it is planned in line with the university examination. The uniqueness of the college internal examination is that the examination is conducted for all the subjects in each semester on same day. Question papers (manuscripts) are collected from the faculties and printed centrally. Examination duties like classroom invigilation, senior supervisors etc. are allotted to faculties by written orders. Mark sheets are prepared before university examination. Semester wise common internal marksheet is prepared which is displayed on notice board and then uploaded to university website. Moreover, results of internal examinations are analyzed and those students who have poor performance are guided by concern faculties to improve their performance.

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

The academic calendar of the college is prepared which gives general details about the conduct of academic activities, internal examinations and allied activities. The actual dates of examinations depend on individual departments and teachers. But, they adhere to the broad guidelines as contained in the academic calendar. The internal examinations are held according to a time table announced in advance through notices circulated in the classrooms and on the display board. The affiliating university prescribes the overall framework of time as far as examination time table is concerned. From this year State Government has also declared framework for such examinations to bring uniformity amongst all the colleges of state. Our college adheres the academic calendar in such a way that two internal examinations in a semester with regular interval to be taken. Here, while preparing the academic calendar it is considered that the syllabi should reach at certain point before the examination. This is to be considered because average of two internal examinations is kept as internal weightage. The departments conduct all their continuous internal evaluations within this broad framework.

2.6 – Student Performance and Learning Outcomes

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

<http://bahauddinscience.edu.in/program-outcomes.php>

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
1	BSc	Chemistry, Botany, Zoology, Mathematics, Physics, Forensic Science	432	364	84.26
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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://bahauddinscience.edu.in/administrator/naac/29578_All%20Feedback%20for%20report%20on%20curriculum%202018-19.docx.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
No Data Entered/Not Applicable !!!				
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		

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
No Data Entered/Not Applicable !!!				
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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)
No Data Entered/Not Applicable !!!			
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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	9
Mathematics	1
Physics	1
Zoology	4
Botany	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
No Data Entered/Not Applicable !!!						
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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
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	2	15	Nil	Nil
Attended/Seminars/Workshops	Nil	7	Nil	Nil

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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
State zonal camp	NSS unit	1	5
NSS Day celebration (Gujarat Uni. Ahmedabad)	NSS unit	1	1
Participated in national integration camp at Jamia Millia Central Uni. New Delhi	NSS unit	1	1
Village adoption Majevdi and Vadla Swachhta, Beti bachao, Digital India	NSS unit	2	100
International Yoga day celebration	NSS unit	27	255
Vivekananda Jayanti	NSS unit	27	271
Run for unity	NSS unit	22	52
Celebration of National Voters day	NSS unit	25	70
Swachhata Abhiyan	NSS unit	25	350
Plantation	NSS unit	25	48

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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
No Data Entered/Not Applicable !!!			
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Saptdhara	Bahauddin Science college	Gandhi Nirvan Day-Safai abhiyan	27	780

Saptdhara	Bahauddin Science college	Patriotic song competition	1	8
Saptdhara	Bahauddin Science college	Poem recitation competition	1	6
Saptdhara	Bahauddin Science college	Elocution competition	1	10
Saptdhara	Bahauddin Science college Forest Department	Rally for Lion Conservation and Oath taking ceremony	26	450
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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
Faculty exchange	Dr. A. M. Gajjar	Self	1
Faculty exchange	Dr. A. M. Gajjar	Self	3
Faculty exchange	Dr. A. M. Gajjar	Self	3
Faculty exchange	Dr. M. D. Visavadia	Self	2
Faculty exchange	Dr. M. D. Visavadia	Self	2
Faculty exchange	Dr. M. D. Visavadia	Self	2
Faculty exchange	Dr. R. A. Varu	Self	3
Student exchange	Mr. Jaydeep Parmar	Self	14
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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
Industrial Trip	Field technician networking and storage	Needan Technology pvt lmt	10/12/2018	10/05/2019	39
Industrial Trip	Industrial Trip for Chemistry Students	Orchav Pharma PVT. LMT, Rajkot and National facilities	27/02/2019	27/02/2019	115

		for Drug Discovery (NFDD), Rajkot			
Field Trip	Field Trip, Itva, Girnar	Bahauddin science college and Forest department of Junagadh	13/02/2019	13/02/2019	82
Field Trip	Field Trip, Panchmadhi (M. P.)	Bahauddin science college and Forest department of Junagadh	10/01/2019	17/01/2019	13
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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
Director of Forensic Science Laboratory	20/06/2018	Student are getting Practical, Experimental, Theoretical know how RFSL using its human and Physical resources life sophisticated instrumentation Facilities	100
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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
0	0

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Laboratories	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 partially)	Version	Year of automation
SOUL	Fully	2.0	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Others (specify)	13	17085	14	16728	27	33813
Text Books	18110	5433000	35	3557	18145	5436557
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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
No Data Entered/Not Applicable !!!			
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	90	58	10	6	3	9	23	10	0
Added	27	0	0	0	0	0	0	0	0
Total	117	58	10	6	3	9	23	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
No Data Entered/Not Applicable !!!	

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
0	0	0	0

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)

This is a government science college, run by Education Department of Gujarat State. College has very good infrastructure in terms of 15 airy and spacious classrooms. There are proper arrangements of fans, lights and black/green/white boards and sitting facilities which are very conducive for learning. Including 2 theatre rooms contains interactive digital boards. Among the 15 classrooms, 13 classrooms are equipped with multimedia teaching aids which are routinely used for power point presentation/seminars and discussions. One Seminar hall is equipped with excellent sound and lighting system. Total seating capacity of seminar hall is approx more than 450, spacious and equipped laboratories, updated library, sports ground, benches, computers and adequate facilities. This is 120 years old college and time to time maintenance of infrastructure is done by Road and Building Department (PWD) of the state. In this context, last year only total renovation and refurbishment of old heritage building was carried out. In addition to that a new building consists of fully furnished theatre classes and air conditioned state of the art seminar hall was built.

College has four large buildings, i.e., main building, Bahauddin Science College Sankul - 2 (Complex - 2), Library building, Administrative block and two hostel buildings (off campus). All the buildings are maintained and utilized in regular course while laboratory facilities are kept up to date by maintaining instruments and equipments. In support facilities, we also have regularly maintained four RO water plants so that student can get hygienic potable water. The college has Infrastructure establishment and maintenance committee which consists of all HoDs under Principal. For maintenance of campus, in terms of cleanliness outsourcing contract is given annually. For physical security of the campus, outsourcing of security agency is hired.

Similarly for maintaining IT infrastructure, special recruitment of IT personnel is made. The DELL laboratory is connected in LAN/Wi-Fi and it is open for the students as time permits them. Their use is restricted to the appointed office staff. The admission process is partially online. The fee is collected online. The library is also provided LAN/Wi-Fi facility for the computers and they are loaded with the library software SOUL 2.0. All those computer related facilities are maintained properly by local service providers. Academic and Support Facilities The department of sports is meritorious and the credit definitely goes to the adequate infrastructure of this department. The department of sports consists of an Indoor Games Room, and a huge Play Ground, which can be used by students and staff. For maintaining and utilizing physical, academic and support facilities, different committees are established in the college, which help in the overall development of the staff members and the students. IQAC monitors and manages the activities of all these committees. There are several rooms for co-curricular activities and separate offices are allotted to NCC, Sports Room.

<https://www.bahauddinscience.edu.in/procedures-policies.php>

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	Physics Scholarship	2	752
Financial Support from Other Sources			
a) National	National and State	648	2878800
b) International	-	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 implementation	Number of students enrolled	Agencies involved
Yoga	21/06/2018	50	NSS and NCC
Field Technician Networking Storage	10/12/2018	39	RUSA
Finishing School	03/04/2019	182	Knowledge Consortium of Gujarat
UDISHA CLUB	12/06/2018	132	Knowledge Consortium of Gujarat

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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
2018	Prof. A. R. Rao test for Mathematics Students	48	Nil	48	Nil
2018	National Graduate level Physics Exam (NGPE)	20	Nil	17	Nil
2018	Finishing School	182	182	Nil	Nil
2018	Mathava Mathematics Competition	5	Nil	5	Nil
2018	Opportunities in Chemistry: In Higher Education and Career	120	120	Nil	Nil

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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
Grasim Industries Ltd, Veraval	18	4	42	184	2
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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
2018	245	B.Sc.	Please see the attached file for detail	Please see the attached file for detail	Please see the attached file for detail
View File					

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

Items	Number of students selected/ qualifying
NET	4
SLET	2
GATE	2
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
Inter Class kabaddi Tournament 1	College	28
Inter Class Cricket Tournament - Bhatt Cup 1	College	88
Inter Class Table Tennis Tournament 1	College	14
Inter Class Badminton Tournament 1	College	46
Inter Class Chess Tournament 1	College	24
Inter college Chess Competition 1	University	61
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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
No Data Entered/Not Applicable !!!						
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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)

Student representation in college activities is necessary for successful accomplishment of all the activities at various levels as they are the main stakeholders of any academic institution. They are given representation in IQAC committee as per the NAAC guideline. Apart from IQAC representation students are also part and parcel of different committees. i.e. NSS and NCC committees, cultural committee (saptdhara), sports committee and cleanliness (swachhata) committee, hostel committee, UDISHA committee etc. The volunteers are motivated and encouraged to organise various functions at their own level under the supervision of their departments. There is no formal composition of SRC at institute level as per the rules of affiliating university. Informally, committees are formed to maintain the decorum and discipline of the institute. Hence, student representation in this various committees will make a student voice and participation in different academic and administrative measures. This will also develop leadership skills among the students of the institute. 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.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

00

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)

Our college is a government run college and affiliated to Bhakta Kavi Narsinh Mehta University, Junagadh. Hence, it follows government hierarchy like Education Department of the State headed by Principal Secretary, O/o. Higher Education Department headed by Higher Education Commissioner, Government College Principal, Teaching Faculties, Academic, Non academic and Administrative staff. Governs of the college, all financial resources come from the higher office, while office administration and total expenses including salary spent by Drawing and Disbursement Officer (DDO), i.e., Principal of the college. For effective decentralization and participatory management various administrative and academic committees composed of teaching, non teaching, administrative staff and students are constituted as per the need. Likewise, admission, enrolment, examination and results of the students are governed by affiliating university for that matter, Vice Chancellor and University Administration, Principal and College administration go hand in hand. Thus, decentralization is standard practice followed at Government level and University level and at College level. At college level there are two types of decentralization one is department level (subject wise) and another at committee level (function wise). 1) DEPARTMENTAL LEVEL College has six departments of all main offering subjects, i.e., Physics, Chemistry, Biology, Mathematics and Forensic Science while English is a supportive department. Here, Departmental Heads manage, monitor and mentor whole department including teaching, non-teaching staff and students. All the science subjects have well equipped separate laboratories for First, Second and Third year B.Sc. Decentralization for the experimental work includes HODs, Lab In-charges, Subject Faculties, Lab Assistants and other supportive staff. Experimental work is done through allocating work by Lab In-charge of relevant labs to laboratory assistants and students. 2) COMMITTEE LEVEL At college level different academic and administrative work has to be carried out along with curricular, co-curricular and extra-curricular activities for integrated personality development of the students. For that purpose decentralization and distribution of responsibilities and work is done. Considering all such functioning, work and activities number of committees are formed in the college. There are certain government initiatives to encompass overall development of the youth like UDHISHA (Career and Placement Cell), FINISHING SCHOOL, SCOPE (Society for Creation of Opportunity through Proficiency in English), DELL (Digital English Language Laboratory), SANDHAN and SAPTDHARA. For all these initiatives also committees are formed at college level. 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. Students are also encouraged to develop leadership skills by anticipating their active participation into various academic, co-curricular and extracurricular activities. Other units of the institute like NCC, NSS, 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)?

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
Human Resource Management	Being a government college, all the staff is privileged for government beneficiary schemes like GPF/CPF, Pension benefits along with medical schemes are applicable to the employees of this college as per government norms. At the same time all the rule and regulations of a government institution is also observed. 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. Moreover, at institution level befitting environment is maintained where human values are at prime concern.
Library, ICT and Physical Infrastructure / Instrumentation	College has rich and fully digitalized, N-LIST enabled library with more than 18,000 books out of which some are rare books and subjective periodicals. Library is updated with new books and periodicals as per the recommendations of library committee and IQAC. The institute has well furnished and ICT enabled classrooms and laboratories. The updation of physical infrastructure is a continuous process as per the need. Demands are invited from the staff members of respective subjective departments for instrumentation, chemicals, teaching aids and infrastructural improvements as and when required. Various purchase and procurements are made periodically. The institute is under CCTV surveillance. A separate security system with motion sensor is deployed. Every laboratory is equipped with all class fire extinguishers which are maintained time to time.
Research and Development	In our college good research ambience 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.

Curriculum Development

Our institute is affiliated to 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.

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. Surrounding area is mostly agro based and no major industry is established. However, college is in touch with certain nearby industries.

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:

E-governance area	Details
<p>Finance and Accounts</p>	<p>It is a government college fully funded either by Central government schemes (UGC and RUSA) and/or by State Government (Revenue and Development Grants). All the financial expenditures are monitored through robust e-governing systems like online treasury, e-payments, salary disbursements through IFMS (Integrated Finance Management System) and Public Fund Management System (PFMS) etc.</p>

	Procurement procedure are also carried out through e-tendering by government established N-Procure agency.
Administration	Institutional administrative office is partially digitalized in terms of online admission through websites, enrolments, communication to the students, presence of the students and staff through Mobile Attendance System (MAS), HRMS through SAATHI portal and online scholarship portal. College has also Student Management Software.
Student Admission and Support	<p>Student admission in the college is fully digitalized and there is a portal in university which will direct students towards the college website.</p> <p>College website is fully student friendly in terms of special features like student corner in which admission, merit list, student notices, syllabi, information regarding curricular and co-curricular activities etc. are displayed on website for convenience of students. Students are time and again informed through either by SMS, Whatsapp groups and also by regular notices displayed on college website.</p> <p>College offers digitally all the services related to national and state level scholarships and right from the applying to the disbursement of the funds to the beneficiaries is possible. Here, college has digital helpdesk for all national scholarships for boys and girls like Central Sector scholarship, Disability, Minority, INSPIRE and State level scholarships like Mukhya Mantri Svavlamban Yojana (MYSY), Chief Minister Scholarship Scheme (CMSS), SC/ST/OBC/EWS/PH/Minority through Digital Gujarat Portal, Post Metric Scholarship, Merit Scholarship and Freeship etc. College also extends support for daily commuter students in issuing students concession passes for State Transport Buses.</p>

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
No Data Entered/Not Applicable !!!				
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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)
2018	Workshop on laboratory instrumentation	Regime of NPS for newly recruited staff in government	22/08/2018	23/08/2018	27	15

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Refresher Course on Core value of India	1	18/02/2019	10/03/2019	21

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
4	4	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
GPF, Medical, HRA, GLI and Staff quarter	GPF, Medical, HRA, GLI and Staff quarter	Hostel facility for boys, Scholarship, Accidental Insurance (University and State Government)

6.4 – Financial Management and Resource Mobilization

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

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 higher 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) and Audit Wing of Education Department, Government of Gujarat audit

Department. The audits of grant under NSS, 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)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Dr. S. J. Joshi, Ex. HoD, Physics Department of this college	25000	For development of laboratory infrastructure in Physics Department
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6.4.3 – Total corpus fund generated

25000

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	No	Null	No	Null
Administrative	No	Null	No	Null

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

Independence Day and Republic Day Celebration Yoga Day Celebration Celebration of Gurupurnima Day

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

Guidance for different banking scheme Digital literacy training program Family Welfare meet

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

Updating conventional Petrol Gas Plant to modern LPG Plant in Chemistry laboratory Improvement Sanitation facility for Boys and Girls Lab effluent treatment facility in Chemistry laboratory
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6.5.5 – Internal Quality Assurance System Details

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 IQAC	Duration From	Duration To	Number of participants
2019	National Conference	03/12/2018	23/01/2019	23/01/2019	601
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Health and hygiene awareness programs for girls	08/09/2018	08/09/2018	97	Nil
Science behind good food habits	23/11/2018	23/11/2018	108	96
Self Defence for Girl	17/01/2019	19/01/2019	50	Nil

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
125 percent Solar to Power Grid Real Ratio is 12.5 Kw to 10 Kw

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	10/08/2018	1	Rally for Lion Conservation and Oath taking ceremony	Awareness Programme rally for extinct creature, Asiatic Lion.	450
2018	1	1	20/03/2019	1	Sparrow Day Celebration	Awareness Programme for Sparrow	210
2018	1	1	15/09/2018	1	Resource person in Environment	Conservation and awareness of Environment	1

					nt and Cleanliness	ment	
2018	1	1	15/12/2018	3	Resource person in Nature education camp at Batheshwar, Jamvala Range, Gir Forest	Conservation and awareness of Environment	1
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Gujarat Civil Services Rules	12/06/2018	https://sites.google.com/site/marugujarat2020/downloads/gujarata-mulki-seva-niyamo-2002

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga Day	21/06/2018	21/06/2018	255
GURUPURNIMA	27/07/2018	27/07/2018	567
Lion Day	10/08/2018	10/08/2018	450
Independence Day	15/08/2018	15/08/2018	190
Teachers Day	05/09/2018	05/09/2018	890
NSS Day	27/11/2018	27/11/2018	48
Navaratri Celebration	10/10/2018	12/10/2018	82
Run for Unity	31/10/2018	31/10/2018	52
NCC Day	27/11/2018	27/11/2018	42
Swami Vivekanand Jayanti	12/01/2019	12/01/2019	271
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Rainwater Conservation - Harvesting: College has taken an initiative to save water. In college campus, we have two large size reservoirs with about 1 lakh litres storage capacity in which rainy water is collected and stored during rainy season. This water is used in practical in chemistry and biology departmental laboratory throughout the year and distilled water can be obtained out of this rainy water. In addition to this, rainwater harvesting is also practiced on the college campus, where water collected from the building terrace is used in recharging ground well for sustainable use of natural resources. This practice also motivates students towards sustainable use of natural resources. Solar Roof top Electrical System: College has installed solar panel of 12.5 KW capacities. This renewable energy produced is good enough to meet our college requirements. Students are also encouraged to

conserve the electricity by advising them to put off the lights and fans when not required. Use of energy saver lights and fans: Under eco-friendly drive and to reduce the consumption of electricity, college is using CFL/LED bulbs and power saver tube lights and fans in classrooms, laboratories, offices including the outer campus of the college. Botanical and Medicinal Plantation: In 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, certain botanical species of medicinal importance are cultivated and preserved in the campus. Plastic free campus drives: The college has taken pledge to reduce the use of plastic like food packaging plastics, water bottles, carry bags etc. on the campus. Plastics pose threat to the soil and environmental elements due to its non biodegradability. Hence, NSS unit of the college is actively carrying out drives on the campus to discourage use of plastics amongst staff and students. College is also determined to adopt the drive of honourable Prime Minister to reduce use of single use plastic.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-1 Title of the Practice: Eco friendly green campus **Objectives:** To practise environmental protection and awareness towards students as a local act, the concept of eco friendly green campus is adopted. It is truly said for any global problems, we have to think globally but act locally. In eco friendly environment all the four major aspects are covered, 1) Energy conservation 2) Plastic pollution free campus 3) Plantation and vegetation for making campus green (botanical garden) 4) Water harvesting and bore-well recharging All the above four major aspects are covering the core concern for environmental conservation, pollution free earth, eco centric life and sustainable development. **The Context:** The college has adopted eco friendly practices as it is the need of the day to make the youth specially students conscious about such practices to face the challenges of present and future environmental threats. Being a science college along with conventional subjective education a live atmosphere is given to the students to cultivate their interest in further studies and research regarding sustainable development. It is observed that any value and system established at student level will definitely percolate in future society as today's youth is tomorrow's future. **The Practice:** To meet the set goals, college has taken up certain initiatives for eco friendly use of resources. College has a more than sufficient capacity solar power plant producing about 12.5 KW power. Moreover, majority of the lights and fans has been replaced with energy saving models like CFL/LED lamps, fans with energy star ratings. Apart from the infrastructure updation, the college is prompt in cultivating a habit of saving energy amongst the students and staff members. Managing single use plastic post usage is a challenge of its own kind. On the campus, students and staff are encouraged to reduce the use of plastic at the first instance. If inevitably one needs to use plastic, they should manage the plastic waste properly to facilitate proper disposal of the same. Students are advised to use dustbins in the college for disposing of their plastic waste rather than tossing it anywhere. A Botanical garden is developed by planting native plant species to showcase floral diversity of the Gir Ecosystem. The garden serves as the hands on practical exposure to the subject students while on the other hand it enhances the natural ambiance with greenery. In a science college water consumption in laboratories is an essential requirement. For example, only in Chemistry laboratories, water required for cleaning of glasswares and preparation of various chemical solutions. This water requirement is quiet large with a college like us having around 1200 students on the roll call. To cater the need of water partially, college has constructed two water reservoirs with cumulative storage capacity of around 1 lakh since long. Both the reservoirs of the college are filled with rainwater and the

stored water is used throughout the year in the laboratories. Apart from rainwater storage, rainwater is also diverted into a bore-well to replenish the ground water level. College has three ground water bore, one open well as water resource. Water harvesting is done by providing proper coverage and direction to allow the rain water to percolate in nearby surrounding area of all the water recourses. Evidence of Success: The consciousness towards the sustainable use of natural resource is evident from the fact that during some of the years of rain crises drought like conditions, we observed that none of the water resource on the campus exhausted. So far as energy conservation is achieved by mean of two way approach. On one hand we reduced the overall consumption of electricity by using energy saver electrical appliance and on the other hand the solar roof top generated electricity helped in reduction of electrical bill amount marginally. Constant encouragement to reduce the use of plastic and plantation drive in the campus has given the campus more natural ambiance.

Problems encountered and resources required: No major problems were faced except managing plastic waste. The plastic has got its place in our day to day life due to versatile nature. People are still habitual to use plastic instead of other replacements and the alternative bio-degradable plastics are not cost effective. Hence, either we have sensitize the students to minimize the use of plastics or opt for reusable alternataives. Use of solar generated power, water conservation and harvesting and plantation is a regular practice on campus since long and we have been witnessing the success of the practice over the years.

Best Practice-2 Title of the Practice: Tobacco free campus drive
Objectives: Tobacco is known habit forming and intoxicant material. It is well established that tobacco in any form lead to cancer development. Because of nicotine it is becomes very addictives, hence, to stop and discourage the students consuming it require not only motivation but also rules not to use in day to day life and in campus. Chewing of Paan Masala, Gutka, cigarettes smoking and consuming other tobacco products are nowadays rampant in the adolescents of India. After considering adverse and harmful effect of tobacco and other related intoxicants, the college authorities are determined to prevent the students of consuming tobacco products in the college campus. Going with government circular of not to sell and consume tobacco products in hundred metres areas close to college campus we also take active initiation by explaining and educating students not to consume such intoxicative material.

The Context: Students from the age group of 16 to 24 years are fascinated towards such intoxicants as it is common practice in the families that increases their likelihood for intoxicants. They mostly start use of intoxicants in childhood or adolescence due to prevalent culture in the society. Our college focus on to use preventive measures like counseling, one to one talk and discussion on the deadly diseases like cancer and respiratory problems. The Practice: Thestaff members, NSS and NCC units of the college have actively taken up the special initiative to make the campus tobacco free. To achieve the goals of this drive, college is prompt to conduct the lectures, arrange competitions like essay, elocution, poster presentation to make the students aware of after effects of the deadly effects of the tobacco consumption. Evidence of Success: The awareness drives under NSS, NCC and constant monitoring and counselling by college staff helped the students in quitting use of the intoxicants. We proudly state that it is tobacco free campus and the students have made up their mind not to use tobacco products in future as well. Problems encountered and resources required: The easy availability of tobacco products and the habit of chewing paan masala in the society, family culture are some of the challenges that some time hampers us to achieve the goals.

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

<https://www.bahauddinscience.edu.in/best-practices.php>

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

Institutional Distinctiveness This college is very fortunate to keep a very good blending of moral values with scientific temper. Since it's establishment it has maintained the quality education and always focused on the overall development of the students. This institute not only imparts theoretical education but also stands by the students during thick and thin. The college staff has its own distinctiveness following the 'GURU-SHISHYA PARAMPARA', which proves the success of this institution. It is our aim to impart good qualities in students by means of knowledge and ability to face the social problems also as well as to make them good citizens. The students are coming from very diverse area of this zone. It is our strong belief that our students should become a very good performer in all the areas. Most of our students go for higher studies and the rest are placed in reputed institution/organization. We want our students to succeed in all the walks of life. The college has also preserved the age old values of Indian Tradition even in this modern era. It seems that GIRNAR, the holy place with all its beauties and bounties has always blessed the college to incorporate goodness and wisdom in the students. Here we would like to emphasize very distinctive character of this institute that there is a very strong bonding between the students and teachers prevails because of this even the students who passed out from this institute very long back are in touch with this college and they are having affection and affiliation with their Alma matar. The alumni of the college have global presence and the outreach covers 67 countries of six continents (Google Statistics data here for reference) The institute fosters human values like self discipline, dedication, promptness, punctuality, eagerness, honesty etc. in the students and teachers to make amicable and healthy academic environment to cultivate good citizens of the society at large. The salient features of this academic institute lies in having • Well read teachers • Eager learners • Dedicated laboratory staff • Obedient workers • Transparent and effective administration and good governance • Sense of belongingness College has its own management, viz., unseen shield of the moral values high ethical values, good conduct and self imposed discipline which protects the college environment from all the vices and unethical practices rampant in the society.

Provide the weblink of the institution

<https://www.bahauddinscience.edu.in/core-values.php>

8.Future Plans of Actions for Next Academic Year

Bahauddin Science College is amongst oldest (Est. 1901) and prestigious, well established institute of Gujarat State. College had secured its place amongst best 100 institutes in NIRF ranking (2017). There are full fledge academic, non academic and administrative staff and ample infrastructure, ICT facilities, up to date laboratories, library to cater the needs of science education at its best. In future college aims to get autonomous status going with UGC policy of decentralization and autonomy for efficient academic administration. College has a well prepared future plan for all the seven criteria suggested by NAAC as follows. For that purpose for this year three main criteria of NAAC, viz., Curricular Aspects, Teaching - learning and evaluation, research, innovations and extension are taken up as future development plan CRITERION I - CURRICULAR ASPECTS: As 80 of the faculties are either member or chair person in the subject study board of the university we are planning to upgrade and amend the syllabi in such a way that a student can easily clear national level examinations like UGC-CSIR NET and other qualifying entrance tests like JRF, JAM etc. CRITERION II - TEACHING- LEARNING AND EVALUATION Teaching - learning and evaluation is a

continuous process still college want to make it versatile in sense of giving freedom to the students to evaluate themselves online voluntarily anytime for that " Anytime digital examination and evaluation (ADEE)". For that purpose, question bank of each the subject for each course would be created by the teachers and kept in a digitally retrievable question paper format. Student can anytime opt for examination and random paper created by the software out of the question bank. Student would get immediate evaluation hence, a new type of learning and evaluation process with continuous approach would be created.

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION Here all the faculties would be given task according to their research specialization for taking up projects in relevant fields with funding agencies like UGC, DST, GUJCOST, CSIR, Forest Department etc. All the students of final year would be given their final year dissertation project with innovative ideas and implement them at grass root level to solve the real problem. Such a way extension activities can also be carried out.