



YEARLY STATUS REPORT - 2020-2021

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 its own campus? **Yes**
- Phone no./Alternate phone no. **02852675731**
- Mobile No: **9426975482**
- Registered e-mail **principal.bsc@gmail.com**
- Alternate e-mail
- Address **Near Bhootnath Mahadev Temple,
College Road**
- City/Town **Junagadh**
- State/UT **Gujarat**
- Pin Code **362001**

2.Institutional status

- Type of Institution **Co-education**
- Location **Urban**
- Financial Status **UGC 2f and 12(B)**

- Name of the Affiliating University **Bhakta Kavi Narsinh Mehta University**
- Name of the IQAC Coordinator **Prof. R. R. Ram**
- Phone No. **02852675731**
- Alternate phone No. **02852675731**
- Mobile **9426287855**
- IQAC e-mail address **principal.bsc@gmail.com**
- Alternate e-mail address

3.Website address (Web link of the AQAR (Previous Academic Year)) <https://bahauddinscience.edu.in/home/aqar>

4.Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: https://bahauddinscience.edu.in/home/academic_calandar

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	B	2.46	2019	09/09/2019	08/09/2024

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

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institutional 1	Salary	State Government	2020 365	51844310
Institutional 1	Contingency	State Government	2020 365	1655280
Institutional 1	Cleaning and Maintenance	State Government	2020 365	1451118
Institutional 1	Security	State Government	2020 365	437545
Institutional 1	Saptdhara	State Government	2020 365	90000
Institutional 1	UDHISHA/Placement	State Government	2020 365	250000
Institutional 1	Finishing School	State Government	2020 365	125000

8. Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC **No File Uploaded**

9. No. of IQAC meetings held during the year **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **No**
- If No, please upload the minutes of the meeting(s) and Action Taken Report [View File](#)

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

- If yes, mention the amount

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

1) Successfully deployed MS Teams platform for online teaching, learning and evaluation during COVID-19 pandemic 2) Adoption of state wide HRMS portal for Staff and Student (UDAYAM-CONGENT) 3) Organizing online classes in Chemistry subjects 4) Prepare students for competitive exams through conducting extra classed by the college faculties 5) Updation of laboratory facilities through procurement of required/updated instruments.

12. 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
Nil	Nil

13. Whether the AQAR was placed before statutory body? No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

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• Name of the Head of the institution	Dr. R. P. Bhatt
• Designation	Principal
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• if yes, whether it is uploaded in the Institutional website Web link:	https://bahauddinscience.edu.in/home/academic_calandar												
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• Name of the statutory body	
Name	Date of meeting(s)
Nil	Nil
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2019-20	31/01/2020
15. Multidisciplinary / interdisciplinary	
16. Academic bank of credits (ABC):	
17. Skill development:	
18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**20.Distance education/online education:****Extended Profile****1.Programme**

1.1	106
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1147
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	307
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	390
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic	
3.1 Number of full time teachers during the year	29
File Description	Documents
Data Template	View File
3.2 Number of Sanctioned posts during the year	46
File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	16
4.2 Total expenditure excluding salary during the year (INR in lakhs)	4008943
4.3 Total number of computers on campus for academic purposes	65
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<p>Our college, Bahauddin Science College, Junagadh was established in 1901. It is one of the fortunate colleges to have the privilege to be affiliated with four universities including Bhakta Kavi Narsinh Mehta University at present. Right from its early affiliations with Bombay University then with Gujarat University, Saurashtra University and from 2016-17 with Bhakta Kavi Narsinh Mehta University; excellent performance in terms of university examination is obtained. This is because of careful and effective implementation of the curriculum through the well-planned and</p>	

effective process. The Synchronization of effective curriculum delivery process with prevailing academic environment of heritage institute has been developed and deployed to obtain optimum results.

Plan for effective implementation of curriculum:

At the outset, the Principal of the college conducts common room meeting with the Head of Department (HOD) and all the staff members of the various subjects to develop strategies for effective implementation of the curriculum. Curricula are well distributed amongst the teaching staff in the beginning of the year. Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars and industrial visits besides, field visit, study tour including the regular/traditional chalk and talk methods. Monitoring of the same is done regularly by Principal and HOD of respective departments. The academic calendar provided by the University is circulated to all departments at the beginning of the year. In accordance with that college also prepares its own academic calendar.

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 vivavoce for practical.

The College encourages its faculty members to participate in Orientation Programme/ Refresher Courses/ Workshops/ Seminars/ Training Programmes organized by the Universities/ Research Institutes/ Other departments, etc. to update their knowledge and to improve the teaching practices. The requirement and procurement of books, journals, e-journals, etc. is regularly fulfilled. The teaching and laboratory plans are approved by HOD before the beginning of the semester and communicated to students by respective course teacher in advance. IQAC monitors the academic activities on regular basis to ensure the execution of timetable. It also monitors execution of academic calendar and teaching

learning process and finds the gap, if any. The academic performance of students is continuously monitored by conducting unit tests during the semester.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

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.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

A. All of the above

Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

1

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

0

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	No File Uploaded

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

0

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

0

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment**1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum**

College integrates cross cutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics in such a way that co-curricular and extra curricular activities are designed to sensitize students. The Environmental issues are dealt in detail in the classroom through a regular subject entitled 'Environmental Science' in second semester. Sustainable Development and Conservation of Environment is of much importance, college celebrates various days like 'Wildlife Week', 'World Environment Day', 'World Ozone Day', 'World Lion Day', etc. by visiting zoo or organizing field trip to Girnar Sactuary, 'Tree Plantation', Mahatma Gandhi Swachhta Programme, etc. Hence, the crosscutting issues mentioned here are partially included as a direct part of the curriculum and all these issues are also addressed with careful consideration to include them in academic calendar as extra-curricular activities.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	No File Uploaded

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

6

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

378

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://bahauddinscience.edu.in/upload/igac/naac/1922118359_1303480984.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

572

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

387

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The Bahauddin Science College, Junagadh receives students from very diverse socio-economic background, ranging from city, urban and rural areas. The students taking admission to this college are majority from Gujarati speaking communities, a few from English medium and a few from Hindi speaking background also. This type of diversity in lingual skills and socio-economic position of the students make a very diverse group. Specially for teaching, informally, the advanced and slow learners are identified during classroom and practical teaching and are encouraged to be in touch with concerned teachers to enhance their learning. As this is a science college same procedure is adopted in the laboratory teaching also. Here, we would like to emphasize that as there is ample chance to interact One To One with the students especially in practical, the learning levels of the students can be evaluated and queries and doubts can be quenched very easily. They are time and again individually guided by concerned teacher. At the commencement of every academic year, we demonstrate the basics like procedures, techniques and principles with all available tools and instruments to the students. Government of Gujarat has taken certain initiatives like SCOPE (Society for Creating Opportunities through Proficiency in English), DELL (Digital English Language Laboratory) and Finishing School. All the three programs are run in this college successfully. Students are getting opportunity to give examination after training in English of the class of Cambridge Certification BULATS. They are also encouraged to participate in SAPTDHARA activities where under Gyan Dhara soft skill like general awareness and personality development is also considered. In DELL, students can learn through digital tools via e-contents. This practice enables to develop interest towards the subject amongst slow learners and also nurtures the curiosity of advanced learners. This practice is followed in every subject.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	No File Uploaded

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1147	29

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

We follow all the student centric methods like participatory learning through group discussion, seminars, quizzes, puzzles, demonstrations, assignments and field visits to involve the students actively into their own learning process. Active participation in terms of sample collection, chemical preparation, circuit preparation for different devices, and models and chart preparations provides an opportunity to the students to nurture their interest in the subject and also enhances their professional skills through learning experiences.

Field expeditions are regularly conducted in the subject of Botany and Zoology. Here, we would like to put into notice that the Girnar Sanctuary and Gir National Park, the last abode of Asiatic Lion, is in vicinity provides a good exposure to rich flora and fauna of the forest is the privilege to the students to develop their taxonomic as well as wildlife management skills by visiting the PAs. One of the oldest zoo, The Sakkar Baug Zoological Park is also located in Junagadh city which also serves a good learning place to the students to learn behavioural aspects on animals in captivity. It is our pleasure to inform that many of our students during and after completing of their study have got absorbed into the zoo at various positions.

Gujarat is one of the most developed industrial states in the

country. The Golden Corridor also passes through the state. This has developed interest in students to seek jobs in industries at a large. In this view, students of Chemistry of this college make visit to industries like pharmaceuticals, dyes, fertilizers. There is Pharmaceutical Park located near Ahmedabad where all the leading pharmaceutical companies have their manufacturing units. We regularly arrange visits to the park for students, there by chemistry students can learn Quality Control measures and latest technological advances in the field.

The students of Physics subject have an added advantage as the national level premium institutes of Physics like Indian Plasma Research (IPR), Physical Research Laboratory (PRL), Space Application Centre (SAC) at ISRO are located in the state nearby Ahmedabad. Every year, we arrange visits to these institutes and as a result, about 10 students are working at various positions in these institutes.

Directorate of Forensic Science (DFS), Govt. of Gujarat is one of the leading investigating laboratories in the country. Gujarat Forensic Science University is one of its kinds in the world. 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 DFS branch Regional Forensic Science Laboratory (RFSL). Every year, students of the course are benefited with the highly equipped sophisticated instrumentation under the guidance of forensic scientists.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Academic year 2020-21 witnessed historical country wide lockdown. Most of the time students and teachers were not permitted to be on campus. However, during this phase their academic activity continued on virtual learning platforms like Microsoft Teams. Education Department, Gujarat Government had taken care of the needs of the students and faculties. Each of the enrolled students in the college and all the college faculties were given license to use MS Teams. Use of ICT has already been part of teaching and

learning before lockdown. However, with introduction of virtual classroom environment, it was quite challenging to teach science subjects like Mathematics, Physics, Chemistry where in extensive board work is part of teaching. This could be addressed by using Whiteboard application of the virtual classroom environment. Students found it familiar like regular classroom teaching and benefited. In practical teaching we could also demonstrate fundamentals of the practicals by use of pre recorded videos and live sessions. College facilities like interactive smart board; interactive display panels were extensively utilized by the faculties to take online classes. As part of online teaching students were free to interact with faculties on various media like MS Teams, Whatsapp anytime at their own convenience.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

29

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

29

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

22

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

385

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The evaluation mechanism followed by the College to a large extent is in conformity with that of the affiliating university, i.e. Bhakta Kavi Narsinh Mehta University, Junagadh (BKNMU). University has implemented Choice Based Credit System (CBCS) in across all of its curricula. Continuous Internal Evaluation system has been integral part of the evaluation mechanism in CBCS. The college has a well established internal examination committee which looks after conduction of internal examination on timely manner as scheduled by university and prepare results of internal examinations. The time table for internal examinations is prepared by the committee, displayed on the central notice board and also sent to respective departments. Teachers assess a student in a course through their interaction throughout the semester for their internal evaluation including one or more of the following mechanisms such as written tests, class presentations/seminars, viva, home assignments, short quizzes, mini research projects with their maximum weightage out of 30 marks. This essentially enables the teacher to get a positive feedback on a student's overall understanding and enhances the teaching-learning process. The remaining 70% of the marks are awarded through the External Semester Examination conducted by the university.

Internal examination is conducted under CCTV surveillance with utmost confidentiality. Assessment of subject wise answer sheets are carried out by respective departments as per the marking scheme and answer key provided, this enables unbiased assessment. We have 5 marks for regular attendance in internal evaluation, which is strictly given by considering students overall attendance in the semester.

The marks of internal evaluation are put on the notice board and then entry of the same is made online onto the university portal.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The grievances of the students related to examinations are addressed at two levels—College and University—depending upon the nature of the grievances. Grievances related to the internal assessment are handled by the internal examination committee of

the College whereas grievances related to the external assessment are forwarded to the University. Here, we would like to mention that we are fortunate so far we have not received any complaint regarding internal assessment due to transparent mechanism. All the examinations in the college are conducted under active CCTV surveillance with recording facility. Students are free to approach teachers and heads of departments to resolve their queries related to the marks obtained in internal assessment, if any. If the student concerned is not satisfied by the procedure mentioned above, they may approach to the internal examination committee of the college or the Principal. Thus grievance redressal with reference to examinations is transparent. Examination related grievances are received by the authorities concerned of the college in a time-bound manner. All complaints are attended to with utmost alacrity and resolved in a short time. The grievance redressal mechanism pertaining to examinations is efficient as all complaints to be entertained without exception and to be resolved within a reasonable amount of time.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Program outcomes, program specific outcomes and course outcomes for all programs offered by the College are stated and displayed on notice board also on the college website at www.bahauddinscience.edu.in. The College has maintained a dynamic website which is comprehensive and is regularly updated. Each department is given a separate page on the College website. The department page provides an introduction to the courses, facilities, faculty available in the department and the achievements of its staff and students. This page also displays a complete list of the faculty with their detailed biodata. It also has a complete and comprehensive list of the programs taught in the department with details of program objectives, program specific objectives and course outcomes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://bahauddinscience.edu.in/home/program_outcomes
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The academic attainment of the students is evaluated by mean of internal and external examinations. As stated earlier. Seminars, quizzes, field trips, assignments, projects, viva-voce are a few aids to assess student's academic understanding. Here in our college, we regularly conduct all this exercise during semesters in all the subjects. The purpose is to develop B.Sc. science student in such a way that they may form highly productive and constructive unit of society. This enables them to serve the society better. It is expected from science graduate to have scientific temperament which encompasses certain qualities like analytical thinking, problem solving, reasoning, creative thinking, critical analysis, researchive attitude and approach. This will go with the frame work of the law of the nature and established facts. The goal is to impart such distinctive qualities in a science graduate and that should be the outcome of the B.Sc. program.

However, the major outcome of any graduate program is not only to enhance academic perspective of any students but also to inculcate human values into them. Along with the academic gain, students are supposed to actively participate into various co-curricular and extra-curricular activities in the college. Students are encouraged to select any of the NSS, NCC and Saptdhara (an initiative by Govt. of Gujarat) an programs run in the college which will inculcate discipline, dedication, empathy, honesty like human values. Under the NSS and NCC program, many social welfare activities are organized by the college and all of the cadets and volunteers actively participate into that.

Besides this, the college keeps in touch with students in formal way to track how many of the students who successfully complete the course seek employment or go in for higher studies. Continuous assessment provides feedback on the efficacy of the teaching-

learning process and learning outcomes of each course. As part of the course outcomes of the various papers taught to students during B.Sc. program, there is substantial scope of evaluation of opportunities for skill building, enhancement of conceptual understanding, training in research methodology, and experiential and fieldwork learning.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

313

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://bahauddinscience.edu.in/upload/iqac/naac/1930475202_1052926168.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

1

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards	
3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year	
3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year	
0	
File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	No File Uploaded
3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year	
3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year	
2	
File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File
3.3 - Extension Activities	
3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year	
<p>During pandemic NSS volunteers got involved and took responsibility to campaign for fighting against COVID-19 as corona warriors. They also performed their duties to maintain social distance and distributed face mask at public places like hospitals, banks and post offices etc. Instructions were given to NSS volunteers to protect themselves and others to fight against corona virus by practicing personal hygiene and wear facial mask. NSS and NCC units along with other departments of the college had run an awareness drive on COVID-19 vaccination. College had prepared awareness videos and posted on college's youtube channel and organized live sessions with students. Students were motivated and asked to ensure the vaccination of their near and dear ones.</p>	

It was found that students particularly in rural areas had many doubts on vaccination which were duly addressed with appropriate explanation which also played promoting factor in increase in vaccination.

File Description	Documents
Paste link for additional information	https://youtu.be/AIjBrvsLOVE
Upload any additional information	No File Uploaded

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

16

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year**3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

2545

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration**3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

30

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year**3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year**

1

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Ours is more than a hundred year old college with great tradition of generating quality students and having learned faculty right from the outset. VazirBahauddinbhai played a vital role in the establishment of this college. There was no such educational institute then in Bombay and Karachi at that time. Vazir of Sorath state Shri Bahauddinbhai was a great visionary who contributed to the construction of the building. The building is unique. The college officially started in 1901.

Till date, this institution has much expanded having intake up to around 1500 students. Our college had about 09 class rooms in old building until 2017. As per the requirement it got expanded, currently, there are 15 class rooms, a huge library, a separate administrative building, girls' room, staff room, a spacious assembly hall, a Dell lab, an indoor games room, a huge play ground etc. at our institution.

Boundaries of this College are spread across on a 6070 Sq. Mt. (1.5 Acre) of campus with built-up area of 4509 Sq. Mt.

There are several rooms for co-curricular activities and separate offices are allotted to NCC, NSS, RUSA, Examination control room and Sports room.

The College has 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, lighting system & smart board with electronic podium. Total seating capacity of seminar hall is approx more than 450.

Out of the 25 computers in the DELL language lab. At 'DELL' we impart training to students in English proficiency by running 'SCOPE' programme.

Laboratory Facilities:

The science departments (Physics, Chemistry, Computer Science Dept.) along with Communicative English of the college has well equipped laboratories along with computers and internet facilities.

Laboratory infrastructure for Department of Chemistry:

Chemistry laboratories are situated at ground floor of the building. The laboratories have four sections: TY Laboratory, SY Laboratory, Forensic laboratory, Preparation room, Store room.

FY Laboratory has different reagents for Qualitative and quantitative analysis. We have quite a number of expensive spot reagents which are used in the analysis.

Some of the analysis is also done by digital instruments in TY physical laboratory. Each Laboratory can accommodate 25- 30 students.

Instrument room and physical laboratory are well equipped with digital instruments required for students like sophisticated weighing machine, digital colorimeter, potentiometer, digital pH meter etc. Also we have FT-IR, GC analyzer and other sophisticated instruments in Forensic laboratory.

Each of the laboratories have gas connection with Bharat Gas pipe line and distilled water connection.

For safety the laboratories are equipped with fire extinguishers.

Laboratory infrastructure for Department of Physics:

Physics laboratory consists of three sections. FY lab, dark room,

SY lab, and TY lab.

The FY lab consists of many such set ups in one room, with enough space to multiply each set up.

The SY laboratory displays a rich and well-maintained collection of experimental set up of second year of general physics course. With ample space we can accommodate at least 40 students at a time.

The TY laboratory are very well equipped and fairly maintained by the eminent professors of the institute. Each set up is a collection of different apparatus like power supply, galvanometer, Voltmeters, Ampere meters, kater pendulum, CRO, Electromagnet, resistances, thermo-couple, capacitors, transisters etc.

The well-furnished dark room for experiments on light has a plentiful experimental set ups like spectrometer, Planks constant etc.

The Physics laboratories having been supplied with sufficient means of financial support gets upgraded on regular intervals for the benefit of its students.

Laboratory infrastructure for Department of Mathematics:

The undergraduate Department of mathematics is a department where students are subjected to conduct practicals including tracing of graph, find numerical solution of algebraic equations, curve fitting and some software like C Programming software, Scilab Software etc.

The Zoology and Botany departments were separated from a common Biology Department. Hence, both the subjects shares common laboratory setup. There are three laboratories and a museum available to the students to get hands on experience in practical aspects of biological sciences at under graduate level. The laboratories harbor basic to advanced instruments to cater to the needs of experimental teaching and learning. All the laboratories are spacious with proper infrastructure. Rotary and rocking microtoms, centrifuges, pH meter, egg incubator, hot air ovens, calorie meter, BOD incubator, Distillation plant, autoclave, student microscopes, dissection microscopes, binocular microscopes (research grade), camera traps, haemocytometers, haemometer, hygrometer, electrophoresis unit are a few instruments to mention. The Biological Museum one of the oldest in the region and is one

of its kind. It has a very good collection of about 700 faunal specimens including some of the rare specimens. The herbarium collection is rich in the floral collection.

Laboratory infrastructure for Soil and research laboratory:

The soil and research laboratory where students are subjected to conduct practicals for the analysis of soil samples provided by agriculture department of government of Gujarat for determination of soil health of regional farmers and to prepare and provide them soil health cards.

Laboratory infrastructure for Department of communicative English:

Language and communicative English DELL laboratory is also equipped with 25 computers and accessories. It has a set up for 25 students with head phones and speakers to learn and study communication skills.

The college has well installed 13 KVA Solar Power panels to generate electricity from renewable energy source and encourage and maintain an environment friendly atmosphere without depleting the conventional sources of energy and polluting the environment.

OPAC, ILMS (SOUL-II COLLEGE VERSION), availability of good number of reference books and journals are the salient features of the library.

The institute has a huge play ground for games like Cricket, Handball, Softball, Kabaddi, etc. There are also necessary items for weight exercises, and for field and track events. It also has an indoor games room for games like table tennis, carom, chess etc.

The institute provides cold RO processed water to students and staff members. There are Five RO plants installed in the institution.

The institute also has a full time sweeper to take care of cleaning the campus. The waste disposal is done systematically by following government norms. Dustbins are kept at various places to manage the waste properly. Time and again the institute takes help of Municipality & other local authorities for waste management.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://bahauddinscience.edu.in/home/resources

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Our institution aims at the overall development of a student and therefore provides all the facilities for sports, yoga and cultural activities to the students stated below.

Playground for Outdoor Games:

Our institution has a huge playground for outdoor games. The size of playground is approximate 830 sq. Mt. The playground exists since the establishment of the college. Many University level tournaments have been successfully organized on the play ground. Our students utilize this ground in a best way throughout the year for doing practice for different tournaments. As a result, many students of our college are selected at state level tournaments.

All the necessary instruments and equipments for sports are available in the sports department, which are made available to the students where and when needed.

Indoor Games Room:

We have special room kept for indoor games. Here students can play Table Tennis, Chess, Carrom, etc. in free time. The size of the indoor games room is 600 Sq. Ft.

Yoga Room:

College has spacious Central Assembly ground which can be used for multiple activities including Yoga. We celebrate Yoga day at 21st June every year in the central assembly ground.

Vivekanand Hall / Assembly Hall for Cultural Activities:

Our institution has a large assembly hall having all the audio visual facilities for cultural activities. The assembly hall was established in June 2017. The total seating capacity of the

assembly hall is approx 450 persons. This is an air conditioned hall provides all the facilities like sound system, multimedia projector, lights etc. Here, we can conveniently organize cultural competitions throughout the year. Every year our institute takes part in the Youth Festival organized by the Bhakta Kavi Narsinh Mehta University. For the rehearsal and practice of different competitions of the Youth Festival, the Assembly Hall is utilized by the students.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://bahauddinscience.edu.in/upload/igac/naac/1507524896_1395560843.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

15

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

13

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://bahauddinscience.edu.in/upload/igac/naac/1640323792_167172102.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

17.05

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The Bahauddin Science Library Plays Major Role Both in the Provision of Intimation for Study and Research and Much More.

Name of ILMS software: SOUL (software for university library)

Nature of automation: Fully

Version: 2.0

Year of Automation: 2013

Collection

Reference Books: 327

Text Books: 18524

Rare Collection and Rare Journals Collection

Computerization of Library

OPAC

Bar Code System

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	https://bahauddinscience.edu.in/home/resources

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	C. Any 2 of the above
File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File
4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)	
4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)	
0.687	
File Description	Documents
Any additional information	View File
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File
4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)	
4.2.4.1 - Number of teachers and students using library per day over last one year	
1	
File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded
4.3 - IT Infrastructure	
4.3.1 - Institution frequently updates its IT facilities including Wi-Fi	

The IT up gradation in the institution is carried out by the Technology upgradation by IT Committee. On the recommendation of the Committee, the institute frequently updates its IT facility. Currently there are in total 117 computers in the institute out of which 90 computers have internet connections with Wi-Fi system at our institution. All computers have internet connections with updated anti-virus (Quick Heal Total Security). College has recently updated its wifi facilities with Bharat Fiber plan of 300 Mbps speed with special DEDF grant from Government of Gujarat.

65 CCTV cameras are also installed in the campus. There is one LED monitor in Principal's office, one LED monitor in Biology Department and one LED monitor in Physics Department to observe the activities of the college through CCTV.

Interactive Smart Board with Digital Podium / Interactive Display Panels for enhanced multimedia teaching/learning experience have been established in the college. 1 classroom and Vivekanand hall is installed with smart Digital Podiums.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://bahauddinscience.edu.in/home/resources

4.3.2 - Number of Computers

117

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

4.0

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures 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. 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, 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. All student related notices including results are regularly put on the website. Our management always remains willing to provide all the necessary financial aid in terms of grants to maintain all the facilities at our institution.

Physical facilities

The physical facilities including Classrooms are made available for the students those who are admitted in the college. Required

numbers of benches are made available to the students. Non-salary grants are allocated for the maintenance of the classrooms which are part of the teaching and the learning processes. The classrooms, boards and furniture facilities are utilized regularly by the students but sometime it is also made available for the other governmental and the non-governmental organizations for conducting the elections, competitive exams, other programs etc.

The college has adequate number of the computers with internet connections. All the stakeholders have equal opportunity to use them as per the rules and the policies of the institution. The DELL laboratory is connected in LAN/Wi-Fi and it is open for the students as time permits them. The office computers, which are also connected through the LAN/Wi-Fi, make work easier and systematic. 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.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://bahauddinscience.edu.in/home/resources

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year	
5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year	
616	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File
5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year	
5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year	
0	
File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above

File Description	Documents
Link to institutional website	https://bahauddinstitute.edu.in/home/finishing-school
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

2335

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

2335

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

7

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

254

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

government examinations) during the year

0

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	No File Uploaded

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

To develop 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

0

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Bahauddin Science College is 122 years 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 various 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 show 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 in alumni section. Our alumni take active interest in the overall development of the institute. Many former students visit the college regularly and offer their services to the college.

Numbers of industrialists are alumni of this college and running a very reputed industries in Saurashtra, Gujarat and country wide. Some of the examples are Raju Engineering, Shapar near Rajkot; Adnova Healthcare, Baroda have earned name and fame to the college. We are glad to share that they are always eager to render their services for the upliftment of students of Bahauddin Science College. Whenever, our students especially of chemistry go for industrial visit, we have a privilege in most of the industries to have our students either as proprietor or managers at higher levels. Recently one of our alumni cum industrialist Shree Gopalbhai Vaghasiya has invited the students of T.Y.B.Sc (Chemistry) on his pharmaceutical plant at Baroda. The exposure was given to the students to see the entire plant so that they can know working mechanism of pharmaceutical plant. This is really vital because such an exposure is not possible in normal case.

It is also matter 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision

To provide infrastructural facilities for the higher education in this remote and under developed area of the state.

Mission

Keeping in the mind the vision and the purpose and thereby provide higher education to the students of this area and with this 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 by and large.

Reflection of Mission and Vision in the leadership of institute:

The mission of the institute statement defines the Institute's distinctive characteristics in terms of addressing the needs of the society, students, institute's value orientation, and vision for the future. The Vision and Mission of the institute are in tune with the objectives of higher education. The formal and informal arrangements in the institute to co-ordinate the academic and administrative planning and implementation reflects the

institutions efforts in achieving its vision.

The policy statements and action plans:

The management and principal actively participate for ensuring that the policy statements and action plans are aligned for attaining the mission of institute, disseminates the vision and mission to all stake holders and involve them in forming the policy statements. The Principal makes action plans in consultation with faculty members to review of outcomes from the implementation of action plans through meetings with functional committees and makes necessary changes in action plans if required. The management takes review of quality policies and makes amendments in quality policies if required.

Formulation of action plans: The action plans are formulated in line with quality policy under the leadership of the Principal and the same are incorporated into strategic plans for effective implementation.

Interaction with stakeholders: The Principal ensures that all stakeholders are involved in different activities.

Proper support for policy and planning: The requirements of the society for policy making and planning are collected by the Principal through interaction with various stakeholders.

Reinforcing the culture of excellence:

For the reinforcement of cultural excellence the vision, mission, short term and long term goals, quality policies are kept wide open to all stakeholders for their suggestions, necessary training is provided to its faculty and supporting staff for their development and motivates the team building and team work to create healthy work culture.

Champion organizational change:

During this span of time institute has adopted many changes to attain its vision and mission.

Participation of the teachers:

Through participative management, the faculties are involved in various decision making bodies of the institute.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system.

1. Principal Level

The Governing Body delegates all the academic and operational decisions based on policy to the Academic Monitoring Committee headed by the Principal in order to fulfill the vision and mission of the institute. Academic Monitoring Committee formulates common working procedures and entrusts the implementation with the faculty members.

2. Faculty Level

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, i.e.,

Committee/cell

Roles & Responsibilities

1

Admission Committee

Ensure online admission and enrolment procedure carefully and accurately

3

Examination Committee

Do necessary arrangement of theory and practical (Internal & External) Exams

4

Students Grievance redressal cell

Try to solve student and staff related problems

5

Discipline Committee

Maintain institute decorum

6

N.C.C.

Do various activity under N.C.C.

7

N.S.S.

Social & Environment awareness activities

8

College Development and Purchase Committee

Purchase of various items

9

I.Q.A.C.

Assure internal quality of institute

10

S.T. Pass concession committee

Facilitation to Students

11

N.O.C., Migration Certificate, Transfer Certificate Committee

Facilitation to Students

12

Identity Card Issue Committee

Facilitation to Students

13

Career Counseling Development Cell, Job Placement Cell, UDISHA

Guidance related to career, placement and training

14

Anti-ragging committee

Protection and safety

15

Seven- Band (Sapta- Dhara)

Knowledge Band (Gyan Dhara)

Creative Expression Band (Sarjanatmak Abhivyakti Dhara)

Fine Arts Band (Rang, Kala, Kaushalya Dhara)

Theatre Band (Natya Dhara)

Music and Dance Band (Geet, Sangeet, Nrutya Dhara)

Yoga and Sports Band (Vyayam, Yog, Khel-kud Dhara)

Community/Social Service Band (Samudaya Seva Dhara)

16

Tobacco Control Committee

Student's Awareness against Tobacco

17

RUSA Project Committee

Grant and Purchase Committee

18

Green Campus Plastic free campus

Arrange various program for green and plastic free campus

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

In the beginning of the year the institute prepare strategic plan for various activities.

- **Academic Plan:** Discussion of topics of the syllabus prescribes by Bhakta Kavi Narsinh Mehta University. Distribution of topics of the syllabus to respective teachers. Prepare of academic general and departmental time table.
- **Co-Curricular Activities Plan:**

Under the 'Spatdhara' Head (Seven Bands) organizing co- curricular activities like

- Knowledge Band (Elocution Competition, Essay Competition, General Knowledge Test etc.)
- Creative Expression Band (Clay work, Rangoli, Sketch etc.)
- Fine Arts Band (Painting, Mehndi)
- Theatre Band (Drama, Skit, One act Play)
- Music and Dance Band (Musical Instrument playing, Singing, Dancing)
- Yoga and Yoga)
- Community/Social Service Band (Social Awareness Programme, Cleanliness Champaign, Tree Plantation etc,)

◦ Sports and Games Schedule:

Various games under the sports have scheduled by university and Government of Gujarat.

◦ N.S.S. activities:

Regularly arrange the regular activity at campus and nearby villages. Every year N.S.S. camp is organized in the end of the calendar months. More than these following activities are done by N S S volunteers.

- Tobacco Control initiative
- Cleanliness Champaign
- Celebration of different days
- Plantation and plastic free campus campaign
- Social awareness programm

◦ N.C.C. activities:

- Regular N C C activities and special pared on celebration of Independence day and Republic day. Special Camp organized by N.C.C. Unit.

◦ Career Counseling and Placement:

The students' hidden talents are brought out and brushed up with the following activities

- Finishing School(Communication skills, soft skills, personality developments)

- Career Counseling and Development Cell (Interview and Placement Guidance)
- UDISHA (Expert lectures on competitive exam preparation)
- Placement Cell (placement related activity)

◦ Faculty Development:

Encourage faculties to take up long & short term courses, conference, workshop, refresher courses, and orientation programmer for outstanding performance of faculties in academic and overall development.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Recruitment Policies:

- This is Government Institution, the recruitment of the teaching faculties are done by the commissioner of higher education, Government of Gujarat, scrutinized by G.P.S.C (Gujarat Public Service Commission).
- Teaching Faculties are also recruited on contractual basis by the state government.
- Visiting faculty as per requirement of the institute is appointed by institute itself.
- Administrative staff is also recruited by state government after conducting exam and interview designed by the Government.

Promotion Procedures:

- The promotion of the Faculties is directed by Government norms. Promotion is on the basis of Academic Performance Index (API) under Career Advancement Scheme of UGC. API is verified by IQAC at institution level and than by

commissioner of higher education. The institute abides by the Government rules and regulations for the scale up gradation, increment and promotion.

Grievance redressal mechanism

- We have a very realistic and convenient grievance redressal mechanism. All the Departmental heads are entitled to resolve the problems on the departmental level.
- We have set up different Grievance cells to sort out particular problems.
 - Students Grievance Redressal cell
 - Anti-Ragging Committee
 - Discipline committee
 - Internal Examination Committee
- College plan to improve learning resources by updating library & other support system, buying more books, improving ICT enabled teaching, digitalization of library; focus on e-resources etc.
- Having internet browsing center with Wi-Fi facility for the benefit of both students & faculty.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://bahauddinscience.edu.in/home/administrative_setup
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Institution helps financially to its staff with the help of its various monetary benefits through different schemes. Our management consistently makes its efforts to take some welfare measures for the staff members.

1. Group Insurance for staff members

All the teaching and non-teaching staff members have the group insurance provision as per the government norms and the institute regularly pays the premium on their behalf to the govt. of Gujarat, commissioner of higher education.

1. Provision of Staff Quarter

The management provides accommodation facilities for all teaching and non-teaching staff in the nearby surroundings of the institution at very nominal and low rates.

1. Duty Leave for attending Seminars, Conferences and Workshops.

For encouraging the faculty towards research and development, the management permits the employees to attend national and international conferences, seminar, and workshops by sanctioning them duty leave.

1. Well maintained personal office furniture

The management regularly upgrades the office furniture as per the

changing needs. The faculty staff room is totally renovated recently as per the needs of the hour.

1. Pure Drinking R.O. Water

R.O plants are installed at all the coolers available in the college for providing pure and safe drinking water to the staff and students. There are seven ROs in the institution which are covered with an AMC for regular maintenance.

1. All the teaching and non-teaching staff is granted maternal and paternal leave during the service as per government norms. 300 medical leaves are given to the faculties during service span.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

0

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	No File Uploaded

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

22

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Performance appraisal system helps to evaluate employee job performance and development and also for pay increases and promotion. The teaching fulfills the Academic Performance Indicators under Carrier Advancement Scheme adopted by the

University as per UGC regulations dated 30th June 2010.

Academic Performance Indicators (API) incorporate goals help to improve the employer as well as the employee through feedback and training. API is useful to measures strengths and weakness of employee.

The Career Advancement Scheme will be allowed after analyzing merits and credentials of the teacher based on weightage given to the performance of the candidate in different relevant dimensions and his/her performance on a scoring system performance is based on Academic Performance Indicators (API) and Performance Based Appraisal System (PBAS) methodology. Expert assessment system shall be through IQAC at institute level and by Commissioner of Higher Education.

Candidates who do not fulfill the minimum score requirement under the API scoring system/selection process proposed in this scheme or also obtain less than prescribed score for all categories in the assessment process will have to be re-assessed only after a minimum a period of one year. The date of promotion shall be the date on which he/she has successfully got re-assessed.

As per government norms, every year all faculties have to fill Self Appraisal Report (SAR) to the principal under whom they have served during the period of 1st April to 31st March of every year. This report will also be written by principal and then it will be reported to the Commissioner of Higher Education for review, where he may ask explanation in case of adverse remarks, if any, by principal. If he is not satisfied anti-disciplinary action may be taken as a punishment. In case of principal, Commissioner of Higher Education will be reporting officer and Secretary Education is reviewing officer.

If any employee is found less efficient in own performance, then he will be communicated about the outcome and given opportunity to explain his side. Still the authority remains unsatisfied then steps like stoppage of one or more increment, transfer or compulsory retirement or suspension till removal from services can be taken.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Fee collected from students is the major source of the Institution. In addition management is funding for capital expenses like new building and major equipments required if any. The audited income and expenditure statement for all the previous years are available with accounts section of the college. Excess fund required for the development is contributed by the management. Thus audit plays an important role in controlling the financial activities.

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 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.

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 income tax of each employee is rightly filled every financial year without fail. The accounts department ensures that every detail is recorded, and transparency is maintained with utmost diligence.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The availability of fund is essential for any organization, society, family or co-operatives but the movability of fund is even more important. If the movability is in the right direction, coordinated then the level of progress in high otherwise it becomes ineffective even though the fund is available. Therefore the movability of fund is important for the development of organization. The principal and the committees of the college monitors the use of resources received from the state government, UGC-CPE, RUSSA, C-cost and Non-Government funds. The allocated funds are utilized to purchase equipments, chemicals, organize seminars, workshops and conferences etc. The administration and

finance committee and the management board, review the use of resources including audit, budgets and accounts. They make recommendation for better handling of resources and effective mobilization of available funds.

For the smooth working of our college various committees have been constituted, each committee study its own field and analysis to requirements and then forwards it's to analysis committee with expected expenditure and planning. Planning and analysis committee they look over these requirements minutely and then adding the future aspects and planning, forward it to finance committee for clear opinion. Finance committee goes through minutely all the suggestion and analysis and then act accordingly for the betterment of students, professors, non - teaching staff, the report is finally handed to management committee.

The college sends proposals for additional grants to the University Grants Commission (UGC) and DST in order to meet expenses for construction, repair and renovation of the college building and premises. Other than the routine Government and UGC grants, the institution has been able to secure additional funding from various agencies such as DST, RUSA Grant, MP-LAD fund. After receiving the grant it goes through various processes involving the principal who is the Chief Disbursing Officer, the Bursar, the Finance Committee, the Purchase Committee and the college Office before it is finally disbursed to the concerned person or the respective department.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

During COVID-19 prevalence period main focus of IQAC was to look after proper functioning of academic work in new online environment. For that IQAC had few recommendations to provide better internet connectivity and IT infrastructure to the faculties for effective delivery of academic work. Apart from regular teaching, conducting examination in an online mode was a challenging task. However, college could successfully conducted

examination following all SOPs issued by the government through online submission of assignments, quizzes, regular tests and activities. Whenever, permitted college conducted on campus examination with proper social distancing and other safety measures. When college was permitted to call on students for on campus teaching IQAC ensured proper social distancing by calling up students batch wise on alternate days and proper sanitization of college premises after visit of each batch.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

It is a Government college and IQAC has been formed as per the prescribed norms of UGC with the focus on academic excellence of the institute. It includes Principal, Head of Departments and senior professors. At the commencement of the academic year principal organizes meetings with the department heads to review the progress and outcome of the results to form policies for the new academic year. After considering the progress and required changes new academic calendar is formed as per the guidelines of university. Head of Departments regularly conduct meetings for the distribution of syllabus and implementation of departmental activities.

The IQAC has been monitoring the quality of teaching learning process, structures and methodologies of operations and learning outcomes at periodic intervals to discuss the learning outcomes in agenda in each semester. The IQAC takes care to maintain the quality in the process of teaching learning and evaluation. The following methods are considered for formulating the policies on Teaching-Learning Process by assessing intra semester and end semester exam results of all the subjects in every semester. Semester end exam result is analyzed and appropriate suggestions are given to the faculties by the HOD concerned and the principal to see that they rectify the short comings.

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. Thus, teaching learning process, structure to carry out various programmes and methodology is designed in keeping mind the vision mission of the institute.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Women Empowerment Cell of our college exists to empower our girl students and staff to make them understand and react suitably to the issues pertaining to women students. In addition to discussing their issues and concerns, the cell creates awareness of rights and responsibilities. The cell functions arduously to enhance their status and thereby empowers them intellectually and various

awareness programs are arranged under the auspices of this cell to empower women students. The students and staff members of both the genders are treated equally in all aspects.

During current academic year 2020-21 due to prevailing COVID-19 situation, some programs were organized under gender equity like invited lectures and yoga classes. One invited lecture entitled "Power of positive attitude" by Dr. Yogeshkumar Pathak was conducted in blended mode. Keeping in view pandemic situation, along with regular online teaching girl students were continuously promoted for stress management, health, diet and regular exercise to keep them fit and healthy. One of the female staff member Prof. Harsha Ram who is certified Yoga Instructor conducted Yoga classes for girls. A good number of girl students had attended the classes regularly and benefited.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid waste management: Around 1200 students studying in this college. Moreover, this being science college laboratory waste is

also generated. College has very huge campus with six buildings namely main college building, Sankul - 2 (New building), Sports room, Library, research and soil laboratory and administrative block. All the six building are cleaned regularly with the help of sweepers and occasionally (at least two times in a year) also made clean involving students. The solid waste of dusting, debrages of ground, and dried leaves of trees are essentially cleaned and kept separately. Special dustbins are purchased under RUSA grants and kept across the buildings.

Laboratory waste like broken glassware and biological waste is disposed properly. Waste management is very important and necessary and is being conducted by the Junagadh Municipal Corporation (JMC). The solid waste generated in the college campus is managed with the help of JMC, who pick up the solid waste generated from time to time.

Liquid waste management: The liquid waste generated in the chemistry laboratory is disposed off through proper channel.

E-waste management: E-waste corner has been set up inside the college where the college e- waste is collected from time to time. Awareness is generated among the students, teachers and the non-teaching staff to dump their personal e-waste into the bin.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

D. Any 1 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

D. Any 1 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment

C. Any 2 of the above

with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The college has been working for the overall development of the students irrespective of gender since its inception. In fact, we have tried to cultivate scientific temperament which inculcates equality apart from caste, creed and gender. The cross-cutting issues are included in the curriculum in various subjects. So far as humanities are concerned; English is one of the subjects taught in this science college which focuses on it, especially human and moral values; professional ethics are emphasized. Moreover, the subjects like botany, zoology, chemistry and physics include environmental issues and sustainability in terms of protection and conservation of flora and fauna, pollution control and hazard protection, green chemistry, non-conventional energy concepts, etc. The Environmental issues are dealt in detail in the classroom through a regular subject entitled 'Environmental Science'. This subject is taught in classes of second semester students of all courses i.e., A and B groups. The subject includes chapters such as, Scope & Nature of Environmental Science, Natural Resources, Eco-systems, Bio-diversity, Pollution, Social Issues, Population, and Environmental Laws. The subject is compulsory for all B.Sc.

Semester II students. To obtain the certificate of this course by attending in a prescribed manner is mandatory for all the students. Students participate in Nature Education Camps organized by State Forest Department, Junagadh and GEER Foundation, Gandhinagar at various camp sites of Forest Dept. viz., Biodiversity Centre (Khadiya), Aranya Udyan (Gandhinagar). Sustainable Development and Conservation of Environment is of much importance, college celebrates various days like 'Wildlife Week', 'World Environment Day', 'World Ozone Day', 'World Lion Day', etc. by visiting zoo or organizing field trip to Girnar Sactuary, 'Tree Plantation', Mahatma Gandhi Swachhta Programme, etc. Students of Zoology, Botany also rendered their services as volunteers to Sakkarbuag Zoological Park on such days and helped them to spread awareness amongst zoo visitors regarding Nature Conservation and Sustainability. Hence, the cross-cutting issues mentioned here are partially included as a direct part of the curriculum and all these issues are also addressed with careful consideration to include them in academic calendar as extracurricular activities. The programmes and activities are organized regularly related to Gender Equality, Sustainable Environment, Human Values and Ethics. The college teachers motivate the students in various activities through Expert lectures on various topics and issues like Women Empowerment, Beti Bachao-Beti Padhao, Creative Speaking, Women Leadership, Child & Mother Health, Legal awareness in Women, etc. during Women Empowerment Week. Students are also made aware during their N.S.S. and N.C.C. camps and programmes of certain important issues. Hence, we are fortunate that there is not a single issue of ragging or harassment noticed or occurred in the college till date due to discipline maintained in the campus. An Equality Cell is also formulated under RUSA component 9. The students must understand the human values and follow professional ethics in their relevant field Various departments organize the lectures on Human Values and Skill Development for the students of the college.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

On 26th Nov. 2020, National Constitution Day was celebrated online on MS Teams. The program was inaugurated with National song Vande Matram. Dr. R.P. Bhatt, principal of Bahauddin Science College, Junagadh addressed the students. Dr. Bhatt insisted to remain truthful and responsible towards the duties as a worthy citizen. The invited guest Prof. Rajendra Parmar, Head of Department of Political Science of Bahauddin Govt. Arts College, Junagadh delivered a lecture on 'Our Prime Duty'. During his interaction with the students he emphasized on the rights and duties of the students as the youth of the nation. Students also expressed their views and resolved their concerned queries.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

D. Any 1 of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events

and festivals

College celebrates all the commemorative days of national and international importance. However, this year due to lockdown few days were celebrated in online mode where students participated from their home.

05th June: World Environment Day

Students participated in online quiz on World Environment Day

21st June: Internal Yoga Day

Students and staff of the college celebrated Internal Yoga Day from their home. All the staff and students performed yoga and took photograph of the same which were shared by the staff on their social media.

10th August: World Lion Day

College is located in vicinity of the last abode of Asiatic Lion. College celebrated the day by a dedicated online talk on conservation status of Asiatic Lion.

15th August: Independence Day

Staff of the college and limited students remained present in Flag Hoisting ceremony.

05th September: Teacher's Day

Teacher's Day is celebrated in fond memories of Bharat Ratna Dr. Sarvepalli Radhakrishnan for his devotion and passion for teaching profession. Students were prepared to take up academic work on the day.

02th October: Gandhi Jayanti

NSS unit of the college organized an online Bhajan Sandhya on the event.

26th November: Constitutional Day

An online talk by on Constitutional Day was organized by the NSS unit of the college. Dr. Rajendra Parmar, Head of Political Science delivered lecture entitled "Our Prime Duty" on the

occasion. The program concluded with interaction with students where he emphasized on the rights and duties of the students as the youth of the nation. Students also expressed their views on the topic.

12th January: Yuva Din

Birth Anniversary of Swami Vivekanand is celebrated as Yuva Din. College celebrates Yuva Din every year. On this day college organizes puja of Swami Vivekanand. Students also expressed their views on the Swamiji's work and message to the society.

25th January: National Voter's Day

As regular activity of NSS unit, 25th January - National Voter's Day is celebrated to bring awareness about rights and duties of citizen as a voter in the country. On the day a pledge is taken by all the staff and students to perform duty as a responsible voter. On the day, Student Campus Ambassador conducted an awareness drive to get the eligible students registered on electoral role and helped them with necessary documentation.

26th January: Republic Day

Staff of the college and limited students remained present in Flag Hoisting ceremony.

03rd March: World Wildlife Day

An online quiz was organized to bring awareness on the conservation of wildlife in collaboration with Forest Department, Govt. of Guajrat, Junagadh Division.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice: 1 Online courses for enrichment in chemistry subject Objective

The objective of online courses was to provide students with the skills and knowledge required to succeed in higher education, industry and other related fields. Courses were planned to expose the students to a breadth of experimental techniques using modern instrumentation. We also aimed to orient the students to learn the practical skills needed to design, safely conduct and interpret chemical research. The student will develop the ability to effectively communicate scientific information and research results in written and oral formats. Besides subject knowledge, professionalism including the ability to work in teams and apply basic ethical principles was also a part of these courses.

The context

The COVID-19 lockdown situation offered a new experience and perspective of teaching and learning. The department of Chemistry planned and executed some organic and inorganic online courses for enhancement of knowledge in chemistry subject. The courses were designed so that the students can learn with activities and assessments and develop conceptual awareness. The platforms of Google classroom, you tube and what's app were used to deliver lectures, assignments and tests. The subject experts evaluated the students on various bases and prepared the mark sheets. We also gave awards to the top 3 scorers in each course to motivate them.

The Practice

Professor of Chemistry department Dr. Satish Ghalani formed online courses like 'Molecular Symmetry (26th Oct to 31st Oct, 2020)', 'Alcohol, Phenol, Ether and Amines (1st Dec to 4th Dec, 2020)', 'Crystal field Theory (3rd Dec to 5th Dec, 2020)', 'Hetero cyclic Compounds (13th May to 15th May, 2021) and 'Mixed examples of Spectroscopy (21st May to 24th May, 2021) for the students of UG and PG at national level. Dr. Tushar Sutariya organized an online course on 'Pericyclic Reaction (29th May to 1st June, 2021)' and Dr. Manoj Dhuduk executed an online course on Electrochemistry (7th June to 10th June, 2021) to help the student understand the interdisciplinary nature of chemistry and to integrate knowledge

of mathematics, physics, and other disciplines to a wide variety of chemical problems.

Evidence of Success

The courses received tremendous response from students which encompassed state, country and continent. It was an enlightening experience for chemistry students as well as the teachers. The course content was precisely designed and delivered effectively so it has created very good impact which is evident in feedback and review of the participants. Almost every course got overwhelming response in terms of participation. On an average more than 1000 participants joined the course with highest number of participation was 1531 in "Mix examples of spectroscopy" course. The registered participants with 100% attendance, submission of assignment and securing minimum 60% marks in final evaluation were issued the certificates.

Problems encountered and resources required

There are, however, challenges to overcome. Some students without reliable internet access or technology struggle to participate in digital learning. Besides this, virtual environment was quite challenging particularly in chemistry subject that is based on practicals, observations, evidence and experiments.

Best Practice: 2 Establishment of additional Botanical Garden at college campus Objective:

Bahauddin Science College is situated at the heart of Girnar region which is blessed with the wealth of diverse range of flora and fauna species. To promote the awareness, study and conservation of plant species diversity botanical Garden is developed in the college. In addition to the existing botanical garden, it was systematically planned by Botany Department in 2020. Since 2020 we are continuously planting medicinal, seasonal, ornamental, endemic and rare plants to enrich botanical garden in the benefit of the students. In future also the department has planned to grow endangered and threatened species which requires a particular soil type and specific temperature. Our effort was to establish one sort of conservation of certain species of plant, i.e., a type of germplasm.

Context:

The botanical garden is developed in library campus. Apart from the main botanical garden some places like back yard of main building and administrative block is also identified for the plantation of local and rare species and other different variety of plants. A proper fencing is done to define garden boundaries and to keep out animals. The garden is maintained by the department of botany.

The Practice:

The botanical garden at Bahauddin Science College consists of 95 plant species in all to maintain plant diversity. In short duration of 2 years only college has successfully developed a flourishing garden which includes 60 plant species at botanical garden, 17 plant species at the backyard of main building and 18 plant species at administrative block. The rare and threatened species like *Boswellia serrata* (Salai Gugal), *Commiphora wightii* (Gugal), *Ephedra* sp. and the rare species as *Leptadenia reticulata* (Jeevantika), *Sterculia urens* (Kadayo) are grown with utmost care. The students of botany department visit the botanical garden regularly during practicals. As a part of botanical education the garden has turned into a valuable venue for teaching and research. At the same time, it allows to connect theory with practical. Besides this, the colorful blooms, the sweet fragrance in the air and tranquil atmosphere is conducive for teaching and learning. We aim to establish new botanical garden like

Evidence of success:

The students gain skills and knowledge, which they apply to do botanical research, plant breeding and agriculture etc. The plant collection which is designed for education, research and display as an essential component of syllabus for botany students has promoted teaching and learning environment. Now, students easily get information about the structure, properties, and classification of the plants. Owing to their convenient locations and accessibility student and faculties can visit the garden for additional review and study. The people of the city visit college campus to get leaves of some of the rare medicinal plants and herbs for their personal usage also.

Problems encountered:

Some specific plants have strict environmental requirements like soil type, water, fertility retention, convenient pH for proper growth of the plants. Sometimes the very costly plants don't

survive due to environmental challenges.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	No File Uploaded

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

This college is very fortunate to keep a very good blending of moral values with scientific temper. Since its 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.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Bahauddin Science College is amongst oldest (Est. 1901) and prestigious, well established institute of Gujarat State and probably in India too. College had secured its place amongst best 100 institutes in NIRF ranking (2017). There are full fledged academic, non academic and administrative staff and ample infrastructure, ICT facilities (having smart interactive boards in almost every classes with high speed internet connectivity), up to date state of the art sophisticate instruments equipped 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 or that purpose for this year four main criteria of NAAC, viz., Infrastructure and learning resources, Student support and progression, Governance, leadership and management, Institutional values and best practices are taken up as future development plan

CRITERION I- CURRICULAR ASPECTS

The NEP 2020 is in the verge of implementation. We have planned to propose certain small certification courses in line with the basic philosophy of NEP for vocationalization of higher education. For that purpose some of the very useful and unexplored areas are identified and new vocational courses like 1) Certificate course in herbal medicine, 2) Certificate course in soap manufacturing using natural derivatives like tulsi, aloe vera etc., 3) Certificate course in GeoGebra, 4) Certificate course in designing of electronic devices, 5) Certificate course in introductory IoT, 6) Certificate course in instrumentation (spectroscopy and chromatography), 7) Certificate course in apiculture.

CRITERION II- TEACHING-LEARNING AND EVALUATION

As this is a science college the final year students have been given either project work or field study in the relevant subjects. Here, we have planned to do three novel practices in line with National Level Policies and programmes, viz., to include reference work, review of publications and literature survey in the final year project of the students so that they can be able to learn referencing and bibliography study in scientific research. Under Skill India project, emphasis on innovation is the major concern. Adopting the same Student Startup and Innovation Programm (SSIP) is rigorously implemented for the final year projects of this science college. Government of India, Ministry of Education has very comprehensive facility in terms of National Digital Library, INFLIBNET and N-List. College has full access to all these facilities. It is envisaged that in systematic way all the students of the college would be given access to all the above facilities. In teaching-learning also at college level we have planned to implement these established policies without dependency on university curriculum authorities.

CRITERION III- RESEARCH, INNOVATIONS AND EXTENSION

UGC has given direction to carry out research work along with academic duties for every academic staff. Keeping this in the mind college has established a central research facility/laboratory and a innovation centre under SSIP. Four professors of the college have recently received PhD guideship 1) Dr. C. M. Gosai, 2) Dr. M. D. Visavadia, 3) Dr. S. M. Ghelani, 4) Dr. J. R. Movaliya. Total six students are registered under them for their Ph.D. program and six would be registered in future. As mentioned above, SSIP program would be implemented full-fledged where in state government have given lucrative grant of Rs. 18.5 lakhs for this purpose. Students would be encouraged to take up their innovative ideas and can go upto Startup program at every stage.

CRITERION IV- INFRASTRUCTURE AND LEARNING RESOURCES

It is planned to bring modern high-tech learning resources such like smart boards, digital podiums, visualizes, laboratory equipments for the remaining classes. So far as building and other infrastructure is concerned, new light fittings, new digital CCTV cameras, Fire Extinguishers are under consideration as per the need. Recently in this year Government of Gujarat has identified Bahauddin Science College as one of the heritage colleges of the state. In this connection Rs. 2 crores has been sanctioned to

maintain its heritage outlook and interior. We situated in a century old campus which itself having two old buildings and one new building constructed in Indo-Gothic style. Looking to its historical prestige, Tourism Department of the State selected this site for illumination, light and sound show. For this purpose Rs. 4.62 crores has been sanctioned and work will be finished by Tourism Department.

CRITERION V- STUDENT SUPPORT AND PROGRESSION

College is looking forward to prepare students in employability skills through regular conducting of Finishing School, UDISHA and SCOPE programs. To initiate the process for starting PG programs in subjects like Physics and Mathematics where university does not offer such PG program at university level and students have to go for other university if they want to pursue it in non self finance mode.

CRITERION VI- GOVERNANCE, LEADERSHIP AND MANAGEMENT

An able and more vigilant process of functioning of IQAC would be initiated keeping all existing practices. For that matter, all the seven criteria are divided to senior criteria co-ordinators with the empowerment of fellow colleagues with them. They have to monitor motivate and college all activity information frequently in digital mode. All the criteria co-ordinators will time and again meet with their fellow colleague for planning and execution of their criteria activities and finally they will meet under banner of IQAC for efficient planning, implementation and reporting.

CRITERION VII- INSTITUTIONAL VALUES AND BEST PRACTICES

Going with vision and mission, we will adhere 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. Also provide higher education which comprehensively includes the traditional and value base system associated with higher education. Best practices are dedicated to provide thrust in the development of the nation and maintain the texture of age old values of our culture and tradition. Under celebrations of "Azadi ka Amrit Mahotsav" college has outlined many programs under Saptdhara, NSS and NCC to inculcate values and pride among the students.

