YEARLY STATUS REPORT - 2021-2022

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	bahauddinsci@gmail.com
• 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	**rrram1975@gmail.com**
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	Salary	State Government	2021-22	67810000
Institutional	Contingency	State Government	2021-22	3917000
Institutional	Cleaning and Maintenance	State Government	2021-22	600400
Institutional	Security	State Government	2021-22	1503040
Institutional	Saptadhara	State Government	2021-22	1892115
Institutional	UDISHA/Placement	State Government	2021-22	737500
Institutional	Finishing School	State Government	2021-22	400000
Institutional	NSS	MYAS	2021-22	44500

8.Whether composition of IQAC as per latest NAAC guidelines	Yes	
• Upload latest notification of formation of IQAC	[View File](#)	
9.No. of IQAC meetings held during the year	4	
• 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)

• Participated in quality audits of NIRF and GSIRF, achieved remarkably • In lieu of COVID pandemic, we planned various courses using Blended Mode • For knowledge gap and psychological support IQAC suggested to conduct special courses and counselling • Online career counseling and placement under placement cell (UDISHA) • Green campus and energy conservation practices initiated at college level

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
In the beginning of year, we have decided to participate and achieve the highest rank in quality audits of NIRF and GSIRF. (It is worth mentioning here that we have achieved a milestone in quality education in 2017 by getting 77th all India rank in NIRF).	Like NIRF Government of Gujarat initiated the ranking framework for HI namely GSIRF. Proudly we state that our institute is the only government college to achieve 4 stars ranking in GSIRF. This ranking is carried out by KCG (Knowledge Consortium of Gujarat) under the aegis of Education Department Government of Gujarat in partnership with the Indian Centre for Academic Rankings Framework and Excellence (ICARE), which is created for world class academic institution in the country in line with the global standards.
In lieu of COVID pandemic as the learning of the students suffered. IQAC planned some courses in blended mode along with regular teaching. Specially Chemistry and Mathematics departments came up and grabbed the opportunity. IQAC ensured infrastructural support for the same. We would like to mention here that education department government of Gujarat helped us	The program was successfully deployed in blended mode. Every teacher was trained for teaching using the online platforms like MS Teams, YouTube, Google classroom and whatsapp. There was bilateral communication in online mode and even evaluation work was also carried out. It is worth mentioning here we have got immense response for chemistry courses across the

by providing number of logistic supports like giving license to all the students and teachers for MS Teams software. Also provided a special grant to purchase highspeed routers and more then 300MBPs connections.	world including students, researchers and professors. Feedback reflects viz. 900 participants, 90% were from outside. Due to specific passing criteria around 400 participants were awarded certificates. In Mathematics course, students were benefited for developing skill enhancement in basic and advanced mathematics. Students had also successfully prepared projects using LaTeX.
For knowledge gap and psychological support IQAC suggested to conduct special lectures and counselling	We have delivered motivational lectures, online Yoga session, online cultural competition etc. for their mental upliftment and psychological supports.
IQAC proposed to conduct placement fare, webinars on career counseling under placement cell (UDISHA)	The principal of this college, Dr. R. P. Bhatt is the Nodal Officer for placement fare at district level. Thus, a mega placement fare under his supervision was organized in blended mode from 8th to 15th March-2022. In this fare 28 companies, 21 government and grant-in-aid institutes, and total 913 students have participated. There were total 178 placements out of which 63 students were placed from our institutes. We have organized recruitment drive in collaboration with blue flag companies like The Indian Rayon Ltd., The Ultra Tech Cement Ltd. and Astral Adhesive Ltd., where our 08 students were selected. A webinar was organized on "What after B.Sc. ?" by our institute in collaboration with R. K. University, Rajkot. There were 233 registration. Dr. Mayanak

	Pandya, Director of School of Sciences, R. K. University provided counselling for career prospects, patents, projects and research in the domain of science. Mr. Jyotirmoy Butch, Public Relations Officer in Sakkarbagh Zoo, visited and interacted with T.Y. B.Sc. students of Zoology department and also delivered talk on "Career Opportunities in Zoo" for B.Sc. Zoology Graduates. Fifteen students have successfully qualified in exams like 01 in NET, 04 in SLET, 01 in GATE, 08 in JAM, and 01 in other state government exam.
Green campus and energy conservation mission initiated at college level	Tree plantation was carried out in the campus and hostel premises and the practice of the same is continued. The trimming of trees and removal of unwanted weeds are regular practices of college. The college has a set-up of two solar panel with capacity of 38 KVA that helped to reduce the use of conventional energy sources. As an outcome the electricity bill reduced nearer to zero. A practice is also adopted by the staff and students to switch off the lights and fans while leaving the premises for energy conservation.

13.Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

20-02-2023 04:21:31

Name	Date of meeting(s)
Commissionerate of Higher Education, Government of Gujarat, Gandhinagar	17/07/2021

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020-21	18/08/2022

15.Multidisciplinary / interdisciplinary

The institute is fully prepared to execute multidisciplinary courses keeping in view the holistic and multidisciplinary approach under NEP 2020. We have also drafted proposals which offers flexible and innovative credit-based courses. The institute aims to provide a value-based education to assist the students in developing success and shaping character, and making them responsible citizens. We want to implement a add on course for the integrated personality development of the students at the initial level of the higher education. We also plan to implement a course on Indian ethos and culture "Bharat ko Jano - Bharat ko Maano" in such a way that with multidisciplinary approach right from ancient science to the modern art, geography to geology, Sanskrit to linguistic thus covering all the aspects of life with aim for holistic development of students.

16.Academic bank of credits (ABC):

As this is a Government institute affiliated to state university, whenever government or university adopt ABC system, college will follow the guidelines.

17.Skill development:

College have some programs like NSS, NCC, Saptadhara and SCOPE to enhance the overall skills of the students for the multidisciplinary development of students. Finishing School, a skilled based program which aims to develop interview and soft skills in the students to increase employability is also successfully deployed. All the programs are implemented as a part of the academic plan of the government hence we wish to provide credits for the same.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

For the integration of Indian knowledge system using the both online and offline mode the college has planned to implement a value-

oriented program in bilingual mode. We will plan such courses in association with some religious institute or NGO.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The institution aims to transform its curriculum towards Outcome based Education (OBE). The program will inculcate positivity among learners that include the development of humanistic, ethical, constitutional, and universal human values of sanskar, truth, righteous conduct, achievement, service to mankind, integrity, trustfulness, peace, love, nonviolence, scientific temper, citizenship values and life-skills. A credit structure will be decided for the program which will be measured on the bases of submission of projects, interaction and evaluation at the completion of the course.

20.Distance education/online education:

The institution has highly motivated and enthusiastic teachers who can take a lead in conducting online as well offline courses as per the directives of NEP 2020. Moreover, we are fully equipped with all ICT tools with audio-visual facilities and high-speed internet connectivity to implement it at the institutional level. We also plan to propose some distance learning certificate course in humanities as well.

Extended Profile

1.Programme

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

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	**1242**

File Description	Documents
Data Template	[View File](#)

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	732

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	431

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	32

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)	28.76

4.3 Total number of computers on campus for academic purposes	102

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

Bahauddin Science College, Junagadh was established in 1901, to have the privilege to be affiliated with four universities: Bombay University, Gujarat University, Saurashtra University and at present Bhakta Kavi Narsinh Mehta University. This is because of careful and effective implementation of the curriculum through the well-planned and 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.

The IQAC of the college with all Heads of Departments (HoDs) and staff members develops strategies for effective implementation of the curriculum. HoDs allocates the theory and laboratory courses to faculties according to area of expertise, skills and relevant experience. Teachers are encouraged to impart the curriculum through presentations, assignments, discussions, workshops, seminars and industrial visits, field visits, study tour including the regular/traditional chalk and talk methods. The requirement of books, journals, e-journals, etc. is regularly fulfilled. Monitoring of the same is done regularly by Principal and HoDs of respective departments. Since the COVID pandemic, Education department, Government of Gujarat has also been providing a central common academic calendar, implemented by all the universities and in accordance with that college also prepares its own academic calendar.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://bahauddinscience.edu.in/upload/iqac/naac/430556158_617272102.pdf

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 internal

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. Recently 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 internal examination in a semester is arranged. Here, while preparing the academic calendar it is considered that the syllabi should taught up to a certain point before the examination. 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	https://bahauddinscience.edu.in/upload/iqac/naac/412664973_810685712.pdf

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. 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   **B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File](#)
Any additional information	[View File](#)

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

6

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
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 extracurricular activities are designed to sensitize students.

The students and staff members of both the genders are treated equally in all aspects. Expert lectures are conducted on various topics like Women Empowerment, Beti Bachao-Beti Padhao, Creative Speaking, Women Leadership, Child & Mother Health, Legal awareness in Women, etc.

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 Sanctuary, 'Tree Plantation', Swachchh Bharat Abhiyan, etc.

To inculcate human values amongst students various in-campus programs like Women's day, Yoga day, Swami Vivekanand Jayati, Sardar Patel Jayanti and Gurupurnima are celebrated. Also, during lectures faculties convey importance of humanitarian aspects of subjects in curricula.

To ingrain professional ethics into students the college encourages them to participate in teachers' day celebration, which allows them to understand professional values and challenges through role playing. The college arranges "finishing school", a supplementary program to prepare final year students for better career opportunities.

File Description	Documents
Any additional information	[View File](#)
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	[View File](#)

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	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
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

430

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

A. All 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	View File
URL for feedback report	Nil

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	View File
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

495

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 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. 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.

Distinction of the students over their performance is easily sought and hence categorization as advanced and slow learners is done. Advanced and slow learners are identified through their performance levels in regular classroom test, presentation, viva and interaction in class room and laboratory.

Special classes for slow learners are conducted to teach them in feasible manner with all necessary tools, such as models, pictures, animated videos etc. Upon series of interactions, required suggestions are given at the first stage with all necessary instructions to increase his/her strength to become good learner of both theoretical as well as practical aspects. As per the provision in CBCS guidelines, a slow learner is offered periodic tests to increase confidence level to learn subject and to perform well.

File Description	Documents
Link for additional Information	https://bahauddinscience.edu.in/upload/iqac/naac/142570619_452196613.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1242	**43**

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, models and chart preparations provide an opportunity to nurture students interest in the subject.

Field expeditions are conducted in Botany and Zoology departments. The Girnar Sanctuary and Gir National Park, the last abode of Asiatic Lion, and the Sakkar-Baug Zoological Park in vicinity provides a good exposure to rich flora and fauna of the forest is the privilege to the students to develop their taxonomic and wildlife research skills by visiting the Protected Areas.

Gujarat, being one of the most developed industrial states of country; Chemistry department make visits to industries like pharmaceuticals, dyes, fertilizers to give students hands-on training and thus, enhances their career opportunities.

Physics department visits every year Indian Plasma Research (IPR), Physical Research Laboratory (PRL), Space Application Centre (SAC) ISRO, Ahmedabad.

The college has signed MoU with Regional Forensic Science Laboratory (RFSL) branch of DFS. Every year, students are benefited with the well-equipped sophisticated instrumentation under the guidance of forensic scientists.

File Description	Documents
Upload any additional information	[View File](#)
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

The faculties are encouraged to train themselves in ICT in addition to the traditional chalk and talk method. For a better understanding of the subject, teachers practice various ICT enabled tools for effective teaching-learning process.

Five connection with BHARAT fiber optics, NAMO Wi-Fi scheme provided internet facility on the campus. The whole campus has been equipped with Wi-Fi using the 24 routers.

Multimedia presentations are used as part of regular classroom teaching. We have privilege to have LCD projectors in almost all the classrooms and there are smart classrooms as well for better multimedia exposure. Teacher can use the videos captured with SONY handy-cam and display in classroom. Bhaskaracharya Institute for Space Applications and Geo-Informatics (BISAG), an initiative of the Government of Gujarat where state wide classroom known as SANDHAN with the help of satellite disc tv. SANDHAN is a part of college time table. In recent times, colleges also benefited by MS team, initiative of Government of Gujarat to carry out all the academic programs like teaching, examination, assignment submission during the pandemic period. College also use social media platforms like whatsapp, etc. to sort-out the queries and problems of the students.

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://bahauddinscience.edu.in/home/resources

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

67

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
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

43

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

380

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 is in conformity with 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 is an integral part of the evaluation mechanism in CBCS. The college has an internal examination committee which looks after the conduction of internal examination as scheduled by university and prepare results. The time table for internal examinations is prepared, 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, assignments, quizzes, etc. with their maximum weightage of 30 marks. Internal examination is conducted under CCTV surveillance with utmost confidentiality. We have 5 marks for regular attendance in internal evaluation. The marks of internal evaluation are put on the notice board and then entry of the same is made online onto the university portal. The remaining 70% of the marks are awarded through the External Semester Examination conducted by the university.

File Description	Documents
Any additional information	View File
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 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 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 with utmost alacrity and resolved. 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	View File
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, faculties available in the department and the achievements of its staff and students. This page also displays a complete list of the faculties 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)	View File

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

The academic attainment of the students is evaluated by means of internal and external examinations. Seminars, quizzes, field trips, assignments, projects, viva-voce are a few yard sticks to access student's academic understanding. It is expected from science graduate to have scientific temperament which encompasses certain qualities like analytical thinking, problem solving, reasoning, creative thinking, critical analysis, research attitude and approach. Along with the academic gain, students are supposed to actively participate into various co-curricular and extra-curricular activities. Students are encouraged to select any of the NSS, NCC and Saptdhara to inculcate discipline, dedication, empathy, honesty like human values. Under the NSS and NCC program, many social welfare activities are organized and all of the cadets and volunteers actively participate. College also keep in touch with students to track about their placement and perusal of 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

350

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	[View File](#)
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/456443235_108205121.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)	<u>View File</u>

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

5

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	<u>View File</u>

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

6

File Description	Documents
Any additional information	View File
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

The college maintains its social cohesions through extension activities in the neighborhood community to sensitize students about relevant social issues.

For example, extension activities like Gau Adharit Kheti to promote natural farming, dowry, female foeticide and prohibition of intoxication, vaccination camp for COVID-19, distribution of face mask, medical checkup camp, drive for environment and water conservation, disposable and single used plastic collection drive are carried out independently as well as under the "Panch Prakalp", an initiative of Government of Gujarat in nearby areas of Junagadh town.

For example, we organized a program on "Gau Adharit Kheti on 17th of March 2022 at Mangaldham, Bhavnath and students along with faculties visited a Gaushala run by Mr. Rambhai Pampaniya there. Rajesh Ram delivered the talk on 'Gau Adharit Krushi'. Dr R P Bhatt sir also gave talk on Indian cow species and highlighted importance of Gir breed of Cow.

It developed a sense of participation, responsibility and cooperation and made them aware about their duties towards society. Thus, various programs undertaken by the college regularly. Such events and activities make staff members, students and people living nearby beneficial and give them real life learning experience.

File Description	Documents
Paste link for additional information	https://bahauddinscience.edu.in/upload/iqac/naac/384386889_1188887799.pdf
Upload any additional information	View File

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

31

File Description	Documents
Reports of the event organized	No File Uploaded
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

4528

File Description	Documents
Report of the event	View File
Any additional information	View File
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

6

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	No File Uploaded

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.

This college spreads over 6070 m2 of campus with built-up area of 4509 m2. The college has 15 classrooms (7 smart-class) equipped with audio-visual aids, 15 laboratories, library, administrative building, girls' room, staff room, spacious air-conditioned assembly hall, indoor games room, playground. There is a Digital Education & Learning Laboratory (DELL) where a Cambridge University collaborative SCOPE is going on.There are 108 CCTV and IP cameras for security and surveillance.

Laboratory Facilities:The science departments (Botany, Chemistry, Forensic Science, Mathematics, Physics, Zoology) and English have well equipped laboratories with computers and internet facilities.Digital sophisticated instruments like tensile tester, colorimeter, potentiometer, pH meter, FT-IR, Gas Chromatographer, UV spectrophotometer are used in common pool.

Green Energy Infrastructure Setup:The college has two solar panel set-up to generate 38 KVA of electricity.

Drinking water facility:The college has 6 RO systems with 120 liter/hour capacity with cool water fountains.

Garden for botanical specimen collection:The garden has 54 perennial species, around 100 annuals maintained properly. Here, an effort is made to conserve some rare and endangered species.

Waste Management:Dry-biomass collected in three pits for composting. The wet waste management is done through effluent treatment.

File Description	Documents
Upload any additional information	[View File](#)
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.

Facilities for Outdoor and indoor Games:Our institution has a separate approximately 830 m2ground for outdoor games and 1000 ft2 dedicated space for indoor games. The college also has another ground shared with Bahauddin Arts College in the same campus which is used for cricket, volleyball, handball, softball, kabaddi, kho-kho, athletics, etc. In indoor, students can practice and play chess, table tennis, boxing, weight and power lifting, judo, karate and wrestling. College has two badminton courts in main building. The college hosts intercollege Chess Tournament frequently.

The college provides essential tools and kits as required. Many students have excelled at various University and state-level tournaments. Our college has successfully organized several university level tournaments. The college hosts one of the oldest cricket tournaments viz. Bhatt Cup Cricket Tournament since 1917 in the tribute to Prof. H. M. Bhatt.

Yoga facility:The college has an open space and corridors for yoga classes conducted by yoga instructor. World Yoga Day every year is celebrated, too.

Facilities for Cultural Activities:For cultural events and competitions, the college has two facilities i.e., an indoor theater (450 persons) and an outdoor open-air theater (550 persons) with state-of-the-art light and sound facilities.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://bahauddinscience.edu.in/home/resources

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

15

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://bahauddinscience.edu.in/home/resources
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)

28.76

File Description	Documents
Upload any additional information	**No File Uploaded**
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)

Library is Automated Using integrated Library Management System

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: 3.0

Year of Automation: 2013

Collection

Reference Books: 417

Text Books: 19251

Rare Collection and Rare Journals Collection

Computerization of Library

OPAC

Bar Code System

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	**Nil**

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

A. Any 4 or more 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)

1.71

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

34

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The IT upgradation in the institution is carried out by the Technology Upgradation Committee. On the recommendation of the Technology Upgradation Committee, in consultation with the IQAC of the institute frequently updates its IT facility. Currently, there are 117 computers in the institute having internet connections with seven Wi-Fi systems which also include Bharat Fiber, NaMO WiFi and JioFiber. All these computers have updated anti-virus software.

108 CCTV cameras are also installed for the security of the students and surveillance of the institute. Out of 108, 65 cameras are HD camera while 43 are IP based CCTV cameras. There are five LED monitors placed, two at the Principal's office and remaining are placed at Central Examination Control Room as well as Biology and Physics Departments.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://bahauddinscience.edu.in/upload/iqac/naac/384386889_1188887799.pdf

4.3.2 - Number of Computers

117

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

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)

28.76

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
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.

For laboratory:In all the laboratories GLP (Good Laboratory Practice), dead stock register, issue register and others are regularly maintained. It is noteworthy to mention that our forensic department has an MoU with the forensic science laboratory of the state government. In computer laboratory, all the computer hardware and peripherals are maintained and updated by regular software updates, hardware services and upgrades. For prevention of fire, each laboratory is equipped with adequate fire extinguishers.

For library:Periodically we clean, alter and reshuffle those books and also use herbal germicides for prevention from the book-worms. From time-to-time books are separately classified and torn books are rebind and preserved. Besides this, regular updation insense of increasing and adding to book collection, periodicals and updation of the software is done. For enrichment of the library periodically we get grants from the different funding agencies like government of Gujarat through KCG, RUSA and UGC.

For sports facilities:Timely maintenance of the ground, tools and kits are carried out. Sport department maintains the dead-stock register and a routine register for keeping record. The college gets grant to maintain sports facilities under Saptdhara and RUSA-9.

File Description	Documents
Upload any additional information	View File
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

543

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	**No File Uploaded**
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)	<u>View File</u>

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

5

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)	<u>View File</u>

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://m.facebook.com/story.php?story_fbid=pfbid02EysGa8o4JGY7HB4vTFLpNDUoAPRUxYe8CzVzm5guNXw4AuxjURcZfsdif53m9kCjl&id=100071877165000&mibextid=Nif5oz
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

233

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

233

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited 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	View File

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

71

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

239

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

15

File Description	Documents
Upload supporting data for the same	<u>View File</u>
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.

18

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)	<u>View File</u>

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)

In our institute committees are formed at administrative level for the smooth conduction of academic and non-academic programs. The students of the college are also given representation in all the committees. Students are given equal participation in committees like IQAC, NSS, NCC, Saptadhara, UDISHA cell, Anti ragging, SC-ST Cell etc. with the guidance of senior teachers to develop leadership and management skills among the students. As per the suggestions made by the committee, decisions are taken to create a healthy and conducive environment. To inculcate cultural and moral values in the students various social and religious functions are organized like

Navratri, Gurupurnima, teacher's day, NSS camp and so on, which is not possible without the active participation of students.

College also organizes programs like cleaning mission, awareness about environment etc. with active participation of the students.

NCC cadets also participated in plantation drive in college campus and Hostel premises. As a part of plastic free Girnar drive, college staff and students collected plastic from Girnar forest region and tried to make the forest free from plastic pollution.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

18

File Description	Documents
Report of the event	View File
Upload any additional information	View File
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)	View File

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

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. More than one thousand students have registered themselves on our website in alumni section. Many former students visit the college regularly and offer their services to the college. Number of industrialists are alumni of this college and running 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 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, Mr. Jyotirmoy Butch, Public Relations Officer in Sakkarbagh Zoo, visited and interacted with T.Y. B.Sc. students of Zoology department and also delivered talk on "Career Opportunities in Zoo" for B.Sc. Zoology Graduates.

We proudly state that more than half of the teaching staff of college are also alumni. They love to show their utmost sincerity towards their alma mater.

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

For the attainment of vision and mission of the institute which emphasize largely on the holistic development of the students, college formulates committees time to time as per the guidelines laid down by university, state and central government and other authorities. At the commencement of academic year various committees are formed under the guidance of head of institute and IQAC for the smooth conduction of curricular, co-curricular and extra-curricular activities for proper implementation and effective execution.

Mostly, the faculties are given representation as per their expertise and interest otherwise they are motivated for so. During the committee meetings inputs are taken from all the committee members, discussed and policies are formed on that basis. Hence for better administration, designed committees covers most of the aspects of the institute viz. administrative, academic, cultural and financial governance. Keeping in view our own perspective and existing working plans, participation of every teacher is ensured in the decision-making bodies of the institution. Thus, nature of governance is in the direction to inculcate a conducive atmosphere so that our mission to provide thrust in the development of the nation and maintain the texture of age-old values of our culture and tradition would be fulfilled.

File Description	Documents
Paste link for additional information	https://bahauddinscience.edu.in/home
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 power of decision making in different aspects. Also providing operational autonomy to all the various functionaries to work towards decentralized governance system.

Administrative level

The principal is the Class-I officer appointed by Government. At administrative level he plays the pivotal role and decentralizes the work to the administrative staff in broadly three domains namely student branch, establishment branch and finance branch. To ensure the exact execution of these branches normally with administrative staff teachers are also allocated duties.

Principal execute through top down model whereby he allocates administrative works to the various department through head of the departments and it percolates systematically.

Senior faculties with academic and administrative expertise are involved in planning and decision-making process in participatory methods.

Academic level

For academic excellence, Principal through HoDs puts the best efforts to provide perfect teaching through proper distribution of the syllabi and by taking feedback to effective implementation of the same. The emphasis is given in development of nurturing skill and understanding of the students. As a science college experimental works and field visits along with theoretical works go hand-in-hand. Various academic committees of different subjects work accordingly to perform in a best way.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File]()

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plan and deployment

COVID-19 pandemic was a threat worldwide which put challenges to the education field. Students are unable to come to the institute physically and also getting deprived without teaching and proper guidance. We took this challenge as an opportunity to provide education, moral and psychological support via modern educational tools like online teaching with all the platforms. We strategically planned to deliver series of lectures on each subject by every department and by every teacher to provide knowledge, encouragement and supports to the students. Here we have also planned to deliver motivational lectures, online Yoga session, online cultural competition etc. for their mental upliftment. This program was successfully deployed using highspeed internet connectivity via different online learning media like MS team, YouTube, Google classroom, whatsapp. We would like to mention here that education department government of Gujarat helped us by providing number of logistic supports like giving license to all the students and teachers of MS Teams software. Also provided a special grant to purchase highspeed routers and more then 300MBPs connections. Every teacher was trained for teaching using these online platforms. There was bilateral communication in online mode and even evaluation work was also carried out.

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

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:

Being a Government Institution, the recruitment process of the teaching faculties is done at Assistant Professor level and as the post is Gazetted, the state public service commission (GPSC) do this process by the recommendation of the Education Department, Government of Gujarat via the Commissionerate of Higher Education. Teaching Faculties are also recruited on contractual basis by the state government. The institute also recruits visiting faculties as per the requirement of the institute. Administrative staff is also recruited by state government after conducting exam and interview by the Government.

Promotion Procedures:

The promotion of the academic and non-academic staff is directed by government norms. Promotion of the academic staff is done under Carrier Advancement Scheme of UGC on the basis of Academic Performance Index. API is verified by IQAC at institution level and then by Commissionerate of higher education. The institute abides by the government regulations for the scale up gradation, increment and promotion.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	View File

6.2.3 - Implementation of e-governance in   **A. All of the above**

areas of operation Administration Finance and Accounts Student Admission and Support Examination

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 institute consistently makes its efforts to take some welfare measures for the staff members.

Group Insurance for staff members

All staff members have the group insurance provision as per the government norms and the institute regularly pays the premium on their behalf to the Government of Gujarat.

Provision of Staff Quarter

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

Duty Leave for attending Seminars, Conferences and Workshops.

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

Pure Drinking Water facility through RO plant

R.O plants are installed with coolers in all the departments of the college for providing pure and safe drinking water to the staff and

students.

Special Leave

Special leaves like maternal leave, paternal leave and medical leaves are granted as per government norms to all the teaching and non-teaching staff.

Sports Facility

Table tennis, cricket & badminton like sports facility are provided to all faculties to improve physical fitness.

File Description	Documents
Paste link for additional information	https://www.rascheguj.in/GovernmentResolution.aspx
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

1

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

13

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	View File
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

As this is government college, every year all faculties and staff 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 reviewed by principal and then further reviewed by the Commissioner of Higher Education. If one is not working satisfactory and SAR is not fulfilling the standard suitable

action may be taken accordingly.

As per the provision in Career Advancement Scheme (CAS) promotion and increment will be allowed after analyzing merits and credentials of the teacher based on weightage given to the performance. 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

As this is government college funding is solely dependent on state government and central government funding agencies. Entire grants of salary and development is directly given to the college and principal as virtue of post becomes the DDO (Drawing and Disbursing Officer). The utilization of grants is the 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 auditors from the higher office 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 Accountant General, Government of India. We would like to categorically mentioned that up to now there have been no major objections found by any audit agencies. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected and precautionary steps are taken to avoid recurrence of such errors in future. The audits of grant under initiatives of

Government of Gujarat like UDISHA, Saptdhara, Finishing School etc. are done by local authorized Chartered Accountant.

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

For mobilization of funds, at college level finance and purchase committee along with Principal and IQAC, draft proposals as per the inputs received from different departments. The proposals submitted to government and other concerned agencies like DST, UGC, RUSA for sanction and presentation for the justification is done before these funding agencies. The administration and finance committee of the institute review the use of resources. They make recommendation for better handling of resources and effective utilization of available funds. The allotted funds are utilized to purchase equipment, chemicals and books through various schemes and agencies. The procurement of the goods, scientific instruments, chemicals, glassware, stationary, etc. is done strictly as per the prevailing rules and procedures. Physical tenders, e-tenders and purchase from GeM (Government E-Market Place) is usually preferred. Special grants are also allotted by the Government time to time to organize seminars, workshops and conferences under various heads. Additional grants like to meet expenses for construction, repair and renovation

of the college building and premises are also disbursed by the government.

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

"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skilful execution" by Foster aptly reflects our measures to inculcate the same in the institution.

Two institutionalized practices initiated by IQAC:

COVID-19 pandemic a worldwide threat challenged the education field. We took this challenge as an opportunity to provide education, moral and psychological support via modern digital educational tools. We planned curricular delivery, evaluations, quenching of queries through interactions and motivational lectures, Yoga sessions, cultural competitions etc. online for their mental & spiritual upliftment. It was deployed using highspeed internet connectivity via different online learning softwares, especially MS team licensed by Education Department and a separate grant to purchase highspeed routers with more than 300 Mbps connections was provided.

At the completion of 75 years of independence Government of India initiated a nationwide celebration namely "Azadi ka Amrit Mahotsav" in which college has designed programs throughout the year to imbibe patriotism by singing and practice of "Vande Mataram" for the whole year, martyrs' exhibition, experts' lectures, cultural competitions, quizzes and online movement "Sahido ko Jaano" to enliven the stories of the unsung heroes (Hutatma) and to give the tribute for their sacrifices.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

IQAC of college has been monitoring the quality of teaching learning process, structures and methodologies of operations and learning outcomes at periodic intervals during its quarterly meetings and discuss the learning outcomes in agenda in each semester.

The Process, structures & methodologies of operations: In conventional physical mode teaching learning process includes classroom teaching, laboratory works, field and industrial visits, hands on training, project works, skill oriented extra and cocurricular activities etc. But due to COVID-19 pandemic IQAC strategically planned blended modes of learning using ICT tools with audio visual facilities. Our faculties had been using popular online platforms like Google meet, Zoom, Webex, YouTube, Whatsapp, Telegram etc. initially to impart education. Government introduced a common platform across the state namely MS Team and provided license to every teachers and student. Teachers were trained specially for this.

Learning outcomes: MS Team provides a bilateral effective platform where assessment analysis can be done easily. As it was the blended mode a classic conventional examination and online assessment was taken up as per the need by using online MS Team platform optimally and also conventional way accordingly.

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   **A. All of the above**

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)

File Description	Documents
Paste web link of Annual reports of Institution	https://www.nirfindia.org/2022/CollegeRankingALL.html
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 which includes mental, physical and spiritual empowerment. For mental health regular yoga classes are conducted for women by Prof. Harsha Ram, yoga instructor. For physical fitness, along with indoor and outdoor games, Dr. Shailja Rajaram, a black belt, Itosu Ryu Karatedo (AIFK) had conducted self-defense classes for girl students. For inner strength, spiritual lectures are arranged regularly. Book on spiritual topics are available in library and a separate reading space is provided.

The cell creates awareness through programs for the girls regarding their rights and responsibilities to enhance their status. Thus, empowers them intellectually. The students and staff members of both the genders are treated equally in all aspects. Cell ensures a safe and risk-free environment for female students. Girls have a separate parking facility, common room and a small garden like space near library with seating facility of around twenty-five benches and shelter of greenery.

On 8th March, every year women cell celebrates International women's day in which faculties and students express and share their views.

Government of India also initiated Mahila Pakhawada which is also fully observed by the college doing different activities.

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	https://bahauddinscience.edu.in/upload/iqac/naac/57522561_2098657749.pdf

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:Entire college campus is cleaned regularly by sweepers and occasionally by students. The solid waste of dusting, debris of ground, and dried leaves are kept separately. Dustbins are purchased under RUSA grants and kept across the buildings. There are three pits specially designed for creating organic compost out of litter of plants from the entire campus. Laboratory waste like broken glassware and biological waste is disposed properly. The solid waste generated in the college campus is managed with the help of Junagadh Municipal Corporation, by pick up service. JMC organized a competition for Clean Campus Drive and in which we received a special appreciation letter from JMC.

Liquid waste management: Proper disposal of liquid waste is done through effluent treatment plant and after regular testing, it is used for the garden.

E-waste management: Normally most of the electronic equipments and gazettes are kept in running condition so minimum waste is produced. E-waste corner has been set up in administrative building to collect and differentiate E-waste.

Waste recycling: We collect all the leaves and debris and keep them in different pits for compost. Cow dungs, Jivamrut are also mixed to make it more fertilized.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geo tagged photographs of the facilities	https://bahauddinscience.edu.in/upload/iqac/naac/1093541760_1233320150.pdf
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

A. Any 4 or all 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:

B. Any 3 of the above

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**

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

C. Any 2 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 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

A. Any 4 or all of the above

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. The programmes and activities are organized regularly related to Gender Equality, Sustainable Environment, Human Values and Ethics. During NSS programs through expert lectures are conducted on various topics like Women Empowerment, Beti Bachao-Beti Padhao, Creative Speaking, Women Leadership, Child & Mother Health, Legal awareness in Women, etc. We are fortunate that, not a single issue of harassment noticed in the college till date. An Equality Cell is also formulated under RUSA component 9.

Women's day, Yoga day, Swami Vivekanand Jayati, Sardar Patel Jayanti along with many regional festivals like Navratri etc. are celebrated. This establishes positive interaction among people of different racial and cultural backgrounds.

College maintains a neutral and inclusive policy towards various strata of the society. Admissions are given based on reservation policy formatted by government from time to time. It ensures equal opportunities to students from various economic and cultural backgrounds.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

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

Under the banner of Azadi ka Amrut Mahotsav by Government of India Bahauddin science college had organized following activities.

An exhibition on freedom fighters of India was held on 3rd January-2021. Shreeji Swarupdas Swami, Honourable Ishwacharan Swami, honorable Krushnavallabh Swami from Karmad Gurukul from Swaminarayan Sampraday delivered a lecture on "Students duties and responsibilities towards society". They enlightened students on values inculcate by lives of various freedom fighters and inspired them to have a strong patriotism and pledge to contribute in the nation building.

National song Vande Mataram in its whole length on 12th January-2021 was sung. For this practice of singing it before commencement of lectures were taken up. Speakers in corridors and classrooms were used to spread patriotism.

India is the largest democracy of the world which implies certain duties and responsibilities of the citizens towards their country. To sensitize the students about their prime duty as a citizen of India, we celebrate National voter's Day on 25th January, 2021 in college campus. This year the day was celebrated under the guidance of Dr. R. P. Bhatt, a pledge was also taken.

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   **B. Any 3 of the above**

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

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

21st June: International Yoga Day:Students and staff of the college celebrated International Yoga Day by performing YOGA at college.

13th July. 2021 : Tree Plantation was carried out in campus and herbal plants were distributed among the students to plant them nearby their area.

10th August: World Lion Day:College staff and students celebrated the day by organising a rally for creating awareness on conservation issues of Asiatic lion.

15th August: Independence Day:Staff of the college and students remained present in Flag Hoisting ceremony.

05th September: Teacher's Day:To inculcate best moral values and ethics of teaching profession, teachers motivated students to participate in teacher day celebration by taking up role and responsibilities of teachers.

12th January: Yuva Din:Yuva Din is celebrated every year in our college. College organizes pujan of Swami Vivekanand and teachers motivate students to implement his values in their life.

25th January: National Voter's Day:The day is celebrated and taken pledge to bring awareness about rights and duties of citizen as a voter. Student Campus Ambassador conducted an awareness drive to get the eligible students registered on electoral role.

26th January: Republic Day:Staff and students remained present in Flag unfurling ceremony.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	[View File](#)
Geo tagged photographs of some of the events	No File Uploaded
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.

We have two best practices to report here. But due to constraint of the space, both the best practices are attached herewith in PDF format howeverthe zest of the best practices are as shown below.

Zest of the Best Practice -1

Title: Popularization and Distribution of Traditional Indigenous Medicinal Plants

The Practice- The medicinal plants like Nagol (leaves) (Vitex negundo), Kesudo (flowers) (Butea monosperma), Ashwagandha (roots) (Withania somnifera) were collected, dried and grinded to prepare herbal powder in their nascent form and also the saplings of the same were also distributed at free of cost for propagation by the students.

Zest of the Best Practice -2

Title: Courses for Advance learning in Chemistry and Mathematics

The Practice: For chemistry, courses through online learning media like YouTube, Google classroom etc. were conducted on 'Chromatography', 'Multielectron System & CFT-II' and 'Molecular

Symmetry, NMR & CFT'. Mathematics department also conducted two-day workshop on LaTeX. Courses were taught using audio-visual aids and students were assessed through assignments and tests.

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

The college has its own distinctiveness following the 'GURU-SHISHYA PARAMPARA', which proves the success of this institution. The college aims to impart quality education to enhance their employability and make them good citizens of India. 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 walks of life. The college upholds ethical values and age-old traditions as well. This institute nurtures a strong bond between students and teachers. Continuous world-wide responses and affiliation shows their sense of belongingness towards theiralma-mater. The alumni of the college have global presence and the outreach covers 67 countries. 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 our college lie in having well-read teachers, eager learners, dedicated laboratory staff, obedient workers, transparent and effective administration and good governance and collective ownership. College has its own management, ethical values, good conduct and self-imposed discipline to protect itself from all the vices and unethical practices rampant in the society.

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

Bahauddin Science College, Junagadh was established in 1901, to have the privilege to be affiliated with four universities: Bombay University, Gujarat University, Saurashtra University and at present Bhakta Kavi Narsinh Mehta University. This is because of careful and effective implementation of the curriculum through the well-planned and 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.

The IQAC of the college with all Heads of Departments (HoDs) and staff members develops strategies for effective implementation of the curriculum. HoDs allocates the theory and laboratory courses to faculties according to area of expertise, skills and relevant experience. Teachers are encouraged to impart the curriculum through presentations, assignments, discussions, workshops, seminars and industrial visits, field visits, study tour including the regular/traditional chalk and talk methods. The requirement of books, journals, e-journals, etc. is regularly fulfilled. Monitoring of the same is done regularly by Principal and HoDs of respective departments. Since the COVID pandemic, Education department, Government of Gujarat has also been providing a central common academic calendar, implemented by all the universities and in accordance with that college also prepares its own academic calendar.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://bahauddinscience.edu.in/upload/iqac/naac/430556158_617272102.pdf

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 internal 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. Recently 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 internal examination in a semester is arranged. Here, while preparing the academic calendar it is considered that the syllabi should taught up to a certain point before the examination. 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	https://bahauddinscience.edu.in/upload/iqac/naac/412664973_810685712.pdf

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. 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	B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File](#)
Any additional information	[View File](#)

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

6

File Description	Documents
Any additional information	[View File](#)
Minutes of relevant Academic Council/ BOS meetings	[View File](#)
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 extracurricular activities are designed to sensitize students.

The students and staff members of both the genders are treated equally in all aspects. Expert lectures are conducted on various topics like Women Empowerment, Beti Bachao-Beti Padhao, Creative Speaking, Women Leadership, Child & Mother Health, Legal awareness in Women, etc.

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 Sanctuary, 'Tree Plantation', Swachchh Bharat Abhiyan, etc.

To inculcate human values amongst students various in-campus programs like Women's day, Yoga day, Swami Vivekanand Jayati, Sardar Patel Jayanti and Gurupurnima are celebrated. Also, during lectures faculties convey importance of humanitarian aspects of subjects in curricula.

To ingrain professional ethics into students the college encourages them to participate in teachers' day celebration, which allows them to understand professional values and challenges through role playing. The college arranges "finishing school", a supplementary program to prepare final year students for better career opportunities.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

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	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
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

430

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	A. All 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	View File
URL for feedback report	Nil

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	View File
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

495

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 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. 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.

Distinction of the students over their performance is easily sought and hence categorization as advanced and slow learners is done. Advanced and slow learners are identified through their performance levels in regular classroom test, presentation, viva and interaction in class room and laboratory.

Special classes for slow learners are conducted to teach them in feasible manner with all necessary tools, such as models, pictures, animated videos etc. Upon series of interactions, required suggestions are given at the first stage with all necessary instructions to increase his/her strength to become good learner of both theoretical as well as practical aspects. As per the provision in CBCS guidelines, a slow learner is offered periodic tests to increase confidence level to learn subject and to perform well.

File Description	Documents
Link for additional Information	https://bahauddinscience.edu.in/upload/iqac/naac/142570619_452196613.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1242	43

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, models and chart preparations provide an opportunity to nurture students interest in the subject.

Field expeditions are conducted in Botany and Zoology departments. The Girnar Sanctuary and Gir National Park, the last abode of Asiatic Lion, and the Sakkar-Baug Zoological Park in vicinity provides a good exposure to rich flora and fauna of the forest is the privilege to the students to develop their taxonomic and wildlife research skills by visiting the Protected Areas.

Gujarat, being one of the most developed industrial states of country; Chemistry department make visits to industries like pharmaceuticals, dyes, fertilizers to give students hands-on training and thus, enhances their career opportunities.

Physics department visits every year Indian Plasma Research (IPR), Physical Research Laboratory (PRL), Space Application Centre (SAC) ISRO, Ahmedabad.

The college has signed MoU with Regional Forensic Science Laboratory (RFSL) branch of DFS. Every year, students are benefited with the well-equipped sophisticated instrumentation under the guidance of forensic scientists.

File Description	Documents
Upload any additional information	View File
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

The faculties are encouraged to train themselves in ICT in addition to the traditional chalk and talk method. For a better understanding of the subject, teachers practice various ICT enabled tools for effective teaching-learning process.

Five connection with BHARAT fiber optics, NAMO Wi-Fi scheme provided internet facility on the campus. The whole campus has been equipped with Wi-Fi using the 24 routers.

Multimedia presentations are used as part of regular classroom teaching. We have privilege to have LCD projectors in almost all the classrooms and there are smart classrooms as well for better multimedia exposure. Teacher can use the videos captured with SONY handy-cam and display in classroom. Bhaskaracharya Institute for Space Applications and Geo-Informatics (BISAG), an initiative of the Government of Gujarat where state wide classroom known as SANDHAN with the help of satellite disc tv. SANDHAN is a part of college time table. In recent times, colleges also benefited by MS team, initiative of Government of Gujarat to carry out all the academic programs like teaching, examination, assignment submission during the pandemic period. College also use social media platforms like whatsapp, etc. to sort-out the queries and problems of the students.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://bahauddinscience.edu.in/home/resources

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

67

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
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

43

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

380

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 is in conformity with 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 is an integral part of the evaluation mechanism in CBCS. The college has an internal examination committee which looks after the conduction of internal examination as scheduled by university and prepare results. The time table for internal examinations is prepared, 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, assignments, quizzes, etc. with their maximum weightage of 30 marks. Internal examination is conducted under CCTV surveillance with utmost confidentiality. We have 5 marks for regular attendance in internal evaluation. The marks of internal evaluation are put on the notice board and then entry of the same is made online onto the university portal. The remaining 70% of the marks are awarded through the External Semester Examination conducted by the university.

File Description	Documents
Any additional information	View File
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 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 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 with utmost alacrity and resolved. 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	View File
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, faculties available in the department and the achievements of its staff and students. This page also displays a complete list of the faculties 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)	View File

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

The academic attainment of the students is evaluated by means of internal and external examinations. Seminars, quizzes, field trips, assignments, projects, viva-voce are a few yard sticks to access student's academic understanding. It is expected from science graduate to have scientific temperament which encompasses certain qualities like analytical thinking, problem solving, reasoning, creative thinking, critical analysis, research attitude and approach. Along with the academic gain, students are supposed to actively participate into various co-curricular and extra-curricular activities. Students are encouraged to select any of the NSS, NCC and Saptdhara to inculcate discipline, dedication, empathy, honesty like human values. Under the NSS and NCC program, many social welfare activities are organized and all of the cadets and volunteers actively participate. College also keep in touch with students to track about their placement and perusal of 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

350

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<u>View File</u>
Upload any additional information	<u>View File</u>
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)

<u>https://bahauddinscience.edu.in/upload/iqac/naac/456443235_108205 121.pdf</u>

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

5

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

6

File Description	Documents
Any additional information	View File
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

The college maintains its social cohesions through extension activities in the neighborhood community to sensitize students about relevant social issues.

For example, extension activities like Gau Adharit Kheti to promote natural farming, dowry, female foeticide and prohibition of intoxication, vaccination camp for COVID-19, distribution of face mask, medical checkup camp, drive for environment and water conservation, disposable and single used plastic collection drive are carried out independently as well as under the "Panch Prakalp", an initiative of Government of Gujarat in nearby areas of Junagadh town.

For example, we organized a program on "Gau Adharit Kheti on 17th of March 2022 at Mangaldham, Bhavnath and students along with faculties visited a Gaushala run by Mr. Rambhai Pampaniya there. Rajesh Ram delivered the talk on 'Gau Adharit Krushi'. Dr R P Bhatt sir also gave talk on Indian cow species and highlighted importance of Gir breed of Cow.

It developed a sense of participation, responsibility and cooperation and made them aware about their duties towards society. Thus, various programs undertaken by the college regularly. Such events and activities make staff members, students and people living nearby beneficial and give them real life learning experience.

File Description	Documents
Paste link for additional information	https://bahauddinscience.edu.in/upload/iqac/naac/384386889_1188887799.pdf
Upload any additional information	View File

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

31

File Description	Documents
Reports of the event organized	**No File Uploaded**
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

4528

File Description	Documents
Report of the event	View File
Any additional information	View File
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

6

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	**No File Uploaded**

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.

This college spreads over 6070 m2 of campus with built-up area of 4509 m2. The college has 15 classrooms (7 smart-class) equipped with audio-visual aids, 15 laboratories, library, administrative building, girls' room, staff room, spacious air-conditioned assembly hall, indoor games room, playground. There is a Digital Education & Learning Laboratory (DELL) where a Cambridge University collaborative SCOPE is going on.There are 108 CCTV and IP cameras for security and surveillance.

Laboratory Facilities:The science departments (Botany, Chemistry, Forensic Science, Mathematics, Physics, Zoology) and English have well equipped laboratories with computers and internet facilities.Digital sophisticated instruments like tensile tester, colorimeter, potentiometer, pH meter, FT-IR, Gas Chromatographer, UV spectrophotometer are used in common pool.

Green Energy Infrastructure Setup:The college has two solar panel set-up to generate 38 KVA of electricity.

Drinking water facility:The college has 6 RO systems with 120 liter/hour capacity with cool water fountains.

Garden for botanical specimen collection:The garden has 54 perennial species, around 100 annuals maintained properly. Here, an effort is made to conserve some rare and endangered species.

Waste Management:Dry-biomass collected in three pits for composting. The wet waste management is done through effluent treatment.

File Description	Documents
Upload any additional information	[View File](#)
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.

Facilities for Outdoor and indoor Games:Our institution has a separate approximately 830 m2ground for outdoor games and 1000 ft2 dedicated space for indoor games. The college also has another ground shared with Bahauddin Arts College in the same campus which is used for cricket, volleyball, handball, softball, kabaddi, kho-kho, athletics, etc. In indoor, students can practice and play chess, table tennis, boxing, weight and power lifting, judo, karate and wrestling. College has two badminton courts in main building. The college hosts intercollege Chess Tournament frequently.

The college provides essential tools and kits as required. Many students have excelled at various University and state-level tournaments. Our college has successfully organized several university level tournaments. The college hosts one of the oldest cricket tournaments viz. Bhatt Cup Cricket Tournament since 1917 in the tribute to Prof. H. M. Bhatt.

Yoga facility:The college has an open space and corridors for yoga classes conducted by yoga instructor. World Yoga Day every year is celebrated, too.

Facilities for Cultural Activities:For cultural events and competitions, the college has two facilities i.e., an indoor theater (450 persons) and an outdoor open-air theater (550 persons) with state-of-the-art light and sound facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://bahauddinscience.edu.in/home/resources

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

15

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://bahauddinscience.edu.in/home/resources
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)

28.76

File Description	Documents
Upload any additional information	No File Uploaded
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)

Library is Automated Using integrated Library Management System

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: 3.0

Year of Automation: 2013

Collection

Reference Books: 417

Text Books: 19251

Rare Collection and Rare Journals Collection

Computerization of Library

OPAC

Bar Code System

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	**Nil**

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	**A. Any 4 or more 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)

1.71

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

34

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The IT upgradation in the institution is carried out by the Technology Upgradation Committee. On the recommendation of the Technology Upgradation Committee, in consultation with the IQAC of the institute frequently updates its IT facility. Currently, there are 117 computers in the institute having internet

connections with seven Wi-Fi systems which also include Bharat Fiber, NaMO WiFi and JioFiber. All these computers have updated anti-virus software.

108 CCTV cameras are also installed for the security of the students and surveillance of the institute. Out of 108, 65 cameras are HD camera while 43 are IP based CCTV cameras. There are five LED monitors placed, two at the Principal's office and remaining are placed at Central Examination Control Room as well as Biology and Physics Departments.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://bahauddinscience.edu.in/upload/iqac/naac/384386889_1188887799.pdf

4.3.2 - Number of Computers

117

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

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)

28.76

File Description	Documents
Upload any additional information	**View File**
Audited statements of accounts.	**View File**
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.

For laboratory:In all the laboratories GLP (Good Laboratory Practice), dead stock register, issue register and others are regularly maintained. It is noteworthy to mention that our forensic department has an MoU with the forensic science laboratory of the state government. In computer laboratory, all the computer hardware and peripherals are maintained and updated by regular software updates, hardware services and upgrades. For prevention of fire, each laboratory is equipped with adequate fire extinguishers.

For library:Periodically we clean, alter and reshuffle those books and also use herbal germicides for prevention from the book-worms. From time-to-time books are separately classified and torn books are rebind and preserved. Besides this, regular updation insense of increasing and adding to book collection, periodicals and updation of the software is done. For enrichment of the library periodically we get grants from the different funding agencies like government of Gujarat through KCG, RUSA and UGC.

For sports facilities:Timely maintenance of the ground, tools and kits are carried out. Sport department maintains the dead-stock register and a routine register for keeping record. The college gets grant to maintain sports facilities under Saptdhara and RUSA-9.

File Description	Documents
Upload any additional information	[View File](#)
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

543

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	**No File Uploaded**
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

5

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://m.facebook.com/story.php?story_fbid=pfbid02EysGa8o4JGY7HB4vTFLpNDUoAPRUxYe8CzVzm5guNXw4AuxjURcZfsdif53m9kCjl&id=100071877165000&mibextid=Nif5oz
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
233

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
233

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited 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	View File

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

71

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

239

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

15

File Description	Documents
Upload supporting data for the same	[View File](#)
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.

18

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)	[View File](#)

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)

In our institute committees are formed at administrative level for the smooth conduction of academic and non-academic programs. The students of the college are also given representation in all the committees. Students are given equal participation in committees like IQAC, NSS, NCC, Saptadhara, UDISHA cell, Anti ragging, SC-ST Cell etc. with the guidance of senior teachers to develop leadership and management skills among the students. As per the suggestions made by the committee, decisions are taken to create a healthy and conducive environment. To inculcate cultural and moral values in the students various social and religious functions are organized like Navratri, Gurupurnima, teacher's day, NSS camp and so on, which is not possible without the active participation of students.

College also organizes programs like cleaning mission, awareness about environment etc. with active participation of the students.

NCC cadets also participated in plantation drive in college campus and Hostel premises. As a part of plastic free Girnar drive, college staff and students collected plastic from Girnar forest region and tried to make the forest free from plastic pollution.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

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

18

File Description	Documents
Report of the event	View File
Upload any additional information	View File
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)	View File

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

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. More than one thousand students have registered themselves on our website in alumni section. Many former students visit the college regularly and offer their services to the college. Number of industrialists are alumni of this college and running 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 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, Mr. Jyotirmoy Butch, Public Relations Officer in Sakkarbagh Zoo, visited and interacted with T.Y. B.Sc. students of Zoology department and also delivered talk on "Career Opportunities in Zoo" for B.Sc. Zoology Graduates.

We proudly state that more than half of the teaching staff of college are also alumni. They love to show their utmost sincerity towards their alma mater.

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

For the attainment of vision and mission of the institute which emphasize largely on the holistic development of the students, college formulates committees time to time as per the guidelines laid down by university, state and central government and other authorities. At the commencement of academic year various committees are formed under the guidance of head of institute and IQAC for the smooth conduction of curricular, co-curricular and extra-curricular activities for proper implementation and effective execution. Mostly, the faculties are given representation as per their expertise and interest otherwise they are motivated for so. During the committee meetings inputs are taken from all the committee members, discussed and policies are formed on that basis. Hence for better administration, designed committees covers most of the aspects of the institute viz. administrative, academic, cultural and financial governance. Keeping in view our own perspective and existing working plans, participation of every teacher is ensured in the decision-making bodies of the institution. Thus, nature of governance is in the direction to inculcate a conducive atmosphere so that our mission to provide thrust in the development of the nation and maintain the texture of age-old values of our culture and tradition would be fulfilled.

File Description	Documents
Paste link for additional information	https://bahauddinscience.edu.in/home
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 power of decision making in different aspects. Also providing operational autonomy to all the various functionaries to work towards decentralized governance system.

Administrative level

The principal is the Class-I officer appointed by Government. At administrative level he plays the pivotal role and decentralizes the work to the administrative staff in broadly three domains namely student branch, establishment branch and finance branch. To ensure the exact execution of these branches normally with administrative staff teachers are also allocated duties.

Principal execute through top down model whereby he allocates administrative works to the various department through head of the departments and it percolates systematically.

Senior faculties with academic and administrative expertise are involved in planning and decision-making process in participatory methods.

Academic level

For academic excellence, Principal through HoDs puts the best efforts to provide perfect teaching through proper distribution of the syllabi and by taking feedback to effective implementation of the same. The emphasis is given in development of nurturing skill and understanding of the students. As a science college experimental works and field visits along with theoretical works go hand-in-hand. Various academic committees of different subjects work accordingly to perform in a best way.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plan and deployment

COVID-19 pandemic was a threat worldwide which put challenges to the education field. Students are unable to come to the institute physically and also getting deprived without teaching and proper guidance. We took this challenge as an opportunity to provide education, moral and psychological support via modern educational tools like online teaching with all the platforms. We strategically planned to deliver series of lectures on each subject by every department and by every teacher to provide knowledge, encouragement and supports to the students. Here we have also planned to deliver motivational lectures, online Yoga session, online cultural competition etc. for their mental upliftment. This program was successfully deployed using highspeed internet connectivity via different online learning media like MS team, YouTube, Google classroom, whatsapp. We would like to mention here that education department government of Gujarat helped us by providing number of logistic supports like giving license to all the students and teachers of MS Teams software. Also provided a special grant to purchase highspeed routers and more then 300MBPs connections. Every teacher was trained for teaching using these online platforms. There was bilateral communication in online mode and even evaluation work was also carried out.

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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:

Being a Government Institution, the recruitment process of the teaching faculties is done at Assistant Professor level and as the post is Gazetted, the state public service commission (GPSC) do this process by the recommendation of the Education Department, Government of Gujarat via the Commissionerate of Higher Education. Teaching Faculties are also recruited on contractual basis by the state government. The institute also recruits visiting faculties as per the requirement of the institute. Administrative staff is also recruited by state government after conducting exam and interview by the Government.

Promotion Procedures:

The promotion of the academic and non-academic staff is directed by government norms. Promotion of the academic staff is done under Carrier Advancement Scheme of UGC on the basis of Academic Performance Index. API is verified by IQAC at institution level and then by Commissionerate of higher education. The institute abides by the government regulations for the scale up gradation, increment and promotion.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the Institution webpage	**Nil**
Upload any additional information	<u>View File</u>

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 institute consistently makes its efforts to take some welfare measures for the staff members.

Group Insurance for staff members

All staff members have the group insurance provision as per the government norms and the institute regularly pays the premium on their behalf to the Government of Gujarat.

Provision of Staff Quarter

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

Duty Leave for attending Seminars, Conferences and Workshops.

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

Pure Drinking Water facility through RO plant

R.O plants are installed with coolers in all the departments of the college for providing pure and safe drinking water to the staff and students.

Special Leave

Special leaves like maternal leave, paternal leave and medical leaves are granted as per government norms to all the teaching and non-teaching staff.

Sports Facility

Table tennis, cricket & badminton like sports facility are provided to all faculties to improve physical fitness.

File Description	Documents
Paste link for additional information	https://www.rascheguj.in/GovernmentResolution.aspx
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

1

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

13

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	View File
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

As this is government college, every year all faculties and staff 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 reviewed by principal and then

further reviewed by the Commissioner of Higher Education. If one is not working satisfactory and SAR is not fulfilling the standard suitable action may be taken accordingly.

As per the provision in Career Advancement Scheme (CAS) promotion and increment will be allowed after analyzing merits and credentials of the teacher based on weightage given to the performance. 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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

As this is government college funding is solely dependent on state government and central government funding agencies. Entire grants of salary and development is directly given to the college and principal as virtue of post becomes the DDO (Drawing and Disbursing Officer). The utilization of grants is the 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 auditors from the higher office 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 Accountant General, Government of India. We would like to categorically mentioned that up to now there have been no major objections found by any audit agencies.

Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected and precautionary steps are taken to avoid recurrence of such errors in future. The audits of grant under initiatives of Government of Gujarat like UDISHA, Saptdhara, Finishing School etc. are done by local authorized Chartered Accountant.

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

For mobilization of funds, at college level finance and purchase committee along with Principal and IQAC, draft proposals as per the inputs received from different departments. The proposals submitted to government and other concerned agencies like DST, UGC, RUSA for sanction and presentation for the justification is done before these funding agencies. The administration and finance committee of the institute review the use of resources. They make recommendation for better handling of resources and effective utilization of available funds. The allotted funds are utilized to purchase equipment, chemicals and books through various schemes and agencies. The procurement of the goods, scientific instruments, chemicals, glassware, stationary, etc. is done strictly as per the prevailing rules and procedures.

Physical tenders, e-tenders and purchase from GeM (Government E-Market Place) is usually preferred. Special grants are also allotted by the Government time to time to organize seminars, workshops and conferences under various heads. Additional grants like to meet expenses for construction, repair and renovation of the college building and premises are also disbursed by the government.

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

"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skilful execution" by Foster aptly reflects our measures to inculcate the same in the institution.

Two institutionalized practices initiated by IQAC:

COVID-19 pandemic a worldwide threat challenged the education field. We took this challenge as an opportunity to provide education, moral and psychological support via modern digital educational tools. We planned curricular delivery, evaluations, quenching of queries through interactions and motivational lectures, Yoga sessions, cultural competitions etc. online for their mental & spiritual upliftment. It was deployed using highspeed internet connectivity via different online learning softwares, especially MS team licensed by Education Department and a separate grant to purchase highspeed routers with more than 300 Mbps connections was provided.

At the completion of 75 years of independence Government of India initiated a nationwide celebration namely "Azadi ka Amrit Mahotsav" in which college has designed programs throughout the year to imbibe patriotism by singing and practice of "Vande Mataram" for the whole year, martyrs' exhibition, experts' lectures, cultural competitions, quizzes and online movement "Sahido ko Jaano" to enliven the stories of the unsung heroes (Hutatma) and to give the tribute for their sacrifices.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

IQAC of college has been monitoring the quality of teaching learning process, structures and methodologies of operations and learning outcomes at periodic intervals during its quarterly meetings and discuss the learning outcomes in agenda in each semester.

The Process, structures & methodologies of operations: In conventional physical mode teaching learning process includes classroom teaching, laboratory works, field and industrial visits, hands on training, project works, skill oriented extra and cocurricular activities etc. But due to COVID-19 pandemic IQAC strategically planned blended modes of learning using ICT tools with audio visual facilities. Our faculties had been using popular online platforms like Google meet, Zoom, Webex, YouTube, Whatsapp, Telegram etc. initially to impart education. Government introduced a common platform across the state namely MS Team and provided license to every teachers and student. Teachers were trained specially for this.

Learning outcomes: MS Team provides a bilateral effective platform where assessment analysis can be done easily. As it was the blended mode a classic conventional examination and online assessment was taken up as per the need by using online MS Team platform optimally and also conventional way accordingly.

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);	A. All of the above

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)

File Description	Documents
Paste web link of Annual reports of Institution	https://www.nirfindia.org/2022/CollegeRankingALL.html
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 which includes mental, physical and spiritual empowerment. For mental health regular yoga classes are conducted for women by Prof. Harsha Ram, yoga instructor. For physical fitness, along with indoor and outdoor games, Dr. Shailja Rajaram, a black belt, Itosu Ryu Karatedo (AIFK) had conducted self-defense classes for girl students. For inner strength, spiritual lectures are arranged regularly. Book on spiritual topics are available in library and a separate reading space is provided.

The cell creates awareness through programs for the girls regarding their rights and responsibilities to enhance their status. Thus, empowers them intellectually. The students and staff members of both the genders are treated equally in all aspects. Cell ensures a safe and risk-free environment for female students. Girls have a separate parking facility, common room and a small garden like space near library with seating facility of around twenty-five benches and shelter of greenery.

On 8th March, every year women cell celebrates International women's day in which faculties and students express and share their views. Government of India also initiated Mahila Pakhawada which is also fully observed by the college doing different activities.

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	https://bahauddinscience.edu.in/upload/iqac/naac/57522561_2098657749.pdf

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:Entire college campus is cleaned regularly by sweepers and occasionally by students. The solid waste of dusting, debris of ground, and dried leaves are kept separately. Dustbins are purchased under RUSA grants and kept across the buildings. There are three pits specially designed for creating organic compost out of litter of plants from the entire campus. Laboratory waste like broken glassware and biological waste is disposed properly. The solid waste generated in the college campus is managed with the help of Junagadh Municipal Corporation, by pick up service. JMC organized a competition for Clean Campus Drive and in which we received a special appreciation letter from JMC.

Liquid waste management: Proper disposal of liquid waste is done through effluent treatment plant and after regular testing, it is used for the garden.

E-waste management: Normally most of the electronic equipments and gazettes are kept in running condition so minimum waste is produced. E-waste corner has been set up in administrative building to collect and differentiate E-waste.

Waste recycling: We collect all the leaves and debris and keep them in different pits for compost. Cow dungs, Jivamrut are also mixed to make it more fertilized.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geo tagged photographs of the facilities	https://bahauddinscience.edu.in/upload/iqac/naac/1093541760_1233320150.pdf
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	**A. Any 4 or all 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**	**B. Any 3 of the above**

4. Ban on use of Plastic
5. landscaping with trees and plants

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	C. Any 2 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 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	A. Any 4 or all of the above

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. The programmes and activities are organized regularly related to Gender Equality, Sustainable Environment, Human Values and Ethics. During NSS programs through expert lectures are conducted on various topics like Women Empowerment, Beti Bachao-Beti Padhao, Creative Speaking, Women Leadership, Child & Mother Health, Legal awareness in Women, etc. We are fortunate that, not a single issue of harassment noticed in the college till date. An Equality Cell is also formulated under RUSA component 9.

Women's day, Yoga day, Swami Vivekanand Jayati, Sardar Patel Jayanti along with many regional festivals like Navratri etc. are celebrated. This establishes positive interaction among people of different racial and cultural backgrounds.

College maintains a neutral and inclusive policy towards various strata of the society. Admissions are given based on reservation policy formatted by government from time to time. It ensures equal opportunities to students from various economic and cultural backgrounds.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

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

Under the banner of Azadi ka Amrut Mahotsav by Government of India Bahauddin science college had organized following activities.

An exhibition on freedom fighters of India was held on 3rd January-2021. Shreeji Swarupdas Swami, Honourable Ishwacharan Swami, honorable Krushnavallabh Swami from Karmad Gurukul from Swaminarayan Sampraday delivered a lecture on "Students duties and responsibilities towards society". They enlightened students on values inculcate by lives of various freedom fighters and inspired them to have a strong patriotism and pledge to contribute in the nation building.

National song Vande Mataram in its whole length on 12th January-2021 was sung. For this practice of singing it before commencement of lectures were taken up. Speakers in corridors and classrooms were used to spread patriotism.

India is the largest democracy of the world which implies certain duties and responsibilities of the citizens towards their country. To sensitize the students about their prime duty as a citizen of India, we celebrate National voter's Day on 25th January, 2021 in college campus. This year the day was celebrated under the guidance of Dr. R. P. Bhatt, a pledge was also taken.

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,	**B. Any 3 of the above**

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

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

21st June: International Yoga Day:Students and staff of the college celebrated International Yoga Day by performing YOGA at college.

13th July. 2021 : Tree Plantation was carried out in campus and herbal plants were distributed among the students to plant them nearby their area.

10th August: World Lion Day:College staff and students celebrated the day by organising a rally for creating awareness on conservation issues of Asiatic lion.

15th August: Independence Day:Staff of the college and students remained present in Flag Hoisting ceremony.

05th September: Teacher's Day:To inculcate best moral values and ethics of teaching profession, teachers motivated students to participate in teacher day celebration by taking up role and responsibilities of teachers.

12th January: Yuva Din:Yuva Din is celebrated every year in our college. College organizes pujan of Swami Vivekanand and teachers motivate students to implement his values in their life.

25th January: National Voter's Day:The day is celebrated and taken pledge to bring awareness about rights and duties of citizen as a voter. Student Campus Ambassador conducted an awareness drive to get the eligible students registered on electoral role.

26th January: Republic Day:Staff and students remained present in Flag unfurling ceremony.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	[View File](#)
Geo tagged photographs of some of the events	No File Uploaded
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.

We have two best practices to report here. But due to constraint of the space, both the best practices are attached herewith in PDF format howeverthe zest of the best practices are as shown below.

Zest of the Best Practice -1

Title: Popularization and Distribution of Traditional Indigenous Medicinal Plants

The Practice- The medicinal plants like Nagol (leaves) (Vitex negundo), Kesudo (flowers) (Butea monosperma), Ashwagandha (roots) (Withania somnifera) were collected, dried and grinded to prepare herbal powder in their nascent form and also the saplings of the same were also distributed at free of cost for propagation by the students.

Zest of the Best Practice -2

Title: Courses for Advance learning in Chemistry and Mathematics

The Practice: For chemistry, courses through online learning media like YouTube, Google classroom etc. were conducted on 'Chromatography', 'Multielectron System & CFT-II' and 'Molecular Symmetry, NMR & CFT'. Mathematics department also conducted two-day workshop on LaTeX. Courses were taught using audio-visual aids and students were assessed through assignments and tests.

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

The college has its own distinctiveness following the 'GURU-SHISHYA PARAMPARA', which proves the success of this institution. The college aims to impart quality education to enhance their employability and make them good citizens of India. 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 walks of life. The college upholds ethical values and age-old traditions as well. This institute nurtures a strong bond between students and teachers. Continuous world-wide responses and affiliation shows their sense of belongingness towards theiralma-mater. The alumni of the college have global presence and the outreach covers 67 countries. 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 our college lie in having well-read teachers, eager learners, dedicated laboratory staff, obedient workers, transparent and effective administration and good governance and collective ownership. College has its own management, ethical values, good conduct and self-imposed discipline to protect itself 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

Right from the beginning this historical college has learned faculties, enthusiastic and eager students in conducive environment, we have got large number of aluminous flourishing in the relevant field throughout the world in each walk of life. Even today college has learned and qualified teachers almost all have their doctorate and NET/SLET or bright experience. As it is the largest government science colleges of the state (around 1200 students) and oldest one also (122 year old). Once known as University of Sorath has all the qualities to be an autonomous college. The glimpses of our qualities are that the most of the chair persons of the board of studies, paper setters, evaluators, experts of relevant subject of affiliating university are from this college only. Even the toper students are also belonging to this college. In final year six subjects of natural science is offered namely Mathematics, Physics, Chemistry, Botany, Zoology and Forensic Science and we have the highest numbers of students in each subject in university and we can start the master degree in each subject, if permitted. Looking to all capacity in changing scenario under the NEP 2020 we are planning to be an autonomous institute in future.