



# YEARLY STATUS REPORT - 2022-2023

## Part A

### Data of the Institution

#### 1. Name of the Institution

BAJAJ COLLEGE OF SCIENCE

- Name of the Head of the institution Prof. Pradip V. Tekade
- Designation Principal
- Does the institution function from its own campus? Yes
- Phone No. of the Principal 07152230515
- Alternate phone No.
- Mobile No. (Principal) 9422556608
- Registered e-mail ID (Principal) jbsciencewardha@yahoo.co.in
- Address Bajaj College of Science, Civil Lines
- City/Town Wardha
- State/UT Maharashtra
- Pin Code 442001

#### 2. Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) 04/04/2017
- Type of Institution Co-education
- Location Urban

- Financial Status **UGC 2f and 12(B)**
- Name of the IQAC Co-ordinator/Director **Dr. P. A. Saudagar**
- Phone No.
- Mobile No: **9423424803**
- IQAC e-mail ID **iqac.bcs@gmail.com**

**3. Website address (Web link of the AQAR (Previous Academic Year))**

<https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/AQAR-2021-22-1.pdf>

**4. Was the Academic Calendar prepared for that year?**

**Yes**

- if yes, whether it is uploaded in the Institutional website Web link:

[https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/AC\\_2022-23.pdf](https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/AC_2022-23.pdf)

**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 3</b>	<b>A</b>	<b>3.21</b>	<b>2013</b>	<b>01/03/2013</b>	<b>31/12/2022</b>
<b>Cycle 4</b>	<b>B++</b>	<b>2.93</b>	<b>2023</b>	<b>02/08/2023</b>	<b>01/08/2028</b>

**6. Date of Establishment of IQAC**

**06/06/2000**

**7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?**

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Bajaj College of Science, wardha	Autonomous College Grant	UGC	01/01/2020	90000
Bajaj College of Science, wardha	DST-FIST PG College Level A	Department of Science and Technology, New Delhi.	19/12/2022	5700000

### 8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

### 9. No. of IQAC meetings held during the year 3

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

### 10. Did IQAC receive funding from any 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)

Initiated the process of fourth cycle accreditation by NAAC.

Directed the departments and board of studies to prepare curricular framework and syllabi as per NEP 2020 guidelines and government regulations.

Planned to organize the state level students' seminar competition

**Scintillation'23**

Applied to RTM Nagpur University for research centres in Zoology and Microbiology

Encouraged departments to begin new certificate courses

**12. Plan of action chalked out by IQAC at 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
To get microbiology and zoology research labs recognized as place of rresearchearch	Microbiology and Zoology labs were recognized as place of research by RTM Nagpur University and were permitted to register research scholars.
To prepare and face the screening of colleges for DST FIST	The college was selected for DST FIST PG Grant
To expand Central instrumentation centre	The college has started expanding the Central instrumentation centre.

**13. Was the AQAR placed before the statutory body?** No

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Nil	19/01/2023

**14. Was the institutional data submitted to AISHE ?** Yes

- Year

**Part A****Data of the Institution**

<b>1.Name of the Institution</b>	<b>BAJAJ COLLEGE OF SCIENCE</b>
• Name of the Head of the institution	<b>Prof. Pradip V. Tekade</b>
• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone No. of the Principal	<b>07152230515</b>
• Alternate phone No.	
• Mobile No. (Principal)	<b>9422556608</b>
• Registered e-mail ID (Principal)	<b>jbsciencewardha@yahoo.co.in</b>
• Address	<b>Bajaj College of Science, Civil Lines</b>
• City/Town	<b>Wardha</b>
• State/UT	<b>Maharashtra</b>
• Pin Code	<b>442001</b>
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	<b>04/04/2017</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Urban</b>
• Financial Status	<b>UGC 2f and 12(B)</b>
• Name of the IQAC Co-ordinator/Director	<b>Dr. P. A. Saudagar</b>

• Phone No.					
• Mobile No:	9423424803				
• IQAC e-mail ID	iqac.bcs@gmail.com				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/AQAR-2021-22-1.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/AQAR-2021-22-1.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/AC_2022-23.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/AC_2022-23.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
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Cycle 4	B++	2.93	2023	02/08/2023	01/08/2028
<b>6.Date of Establishment of IQAC</b>			06/06/2000		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					
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Bajaj College of Science, wardha	DST-FIST PG College Level A	Department of Science and Technology, New Delhi.	19/12/2022	5700000	

<b>8. Provide details regarding the composition of the IQAC:</b>		
<ul style="list-style-type: none"> <li>Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>	
<b>9.No. of IQAC meetings held during the year</b>	<b>3</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10. Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
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Directed the departments and board of studies to prepare curricular framework and syllabi as per NEP 2020 guidelines and government regulations.		
Planned to organize the state level students' seminar competition Scintillation'23		
Applied to RTM Nagpur University for research centres in Zoology and Microbiology		
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<b>13. Was the AQAR placed before the statutory body?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
Nil	19/01/2023
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Year</li> </ul>	
Year	Date of Submission
2021-22	26/02/2022
<b>15. Multidisciplinary / interdisciplinary</b>	
<p>Preparation of a blue print for curricular reforms in a disciplined manner, focusing on multidisciplinary and holistic education. University level discussion on curricular reforms as per NEP 2020 Initiating the curricular revision with choices, in the backdrop of student's feedback Revision of curriculum in tune with global citizenship education. Introducing result based curriculum focusing on key features of NEP Starting general Elective courses of multidisciplinary nature. Incorporation of value based and skill based courses in curriculum. Integration of</p>	



community based courses and projects in vocational stream. Starting a research centre to act as a connecting link between university and industries in real sense. An establishment of RICH club and Research Promotion cell to promote multidisciplinary research culture. Community based project initiation. Co-curricula's and Extra-Curricular activities integration with curricula's.

#### **16.Academic bank of credits (ABC):**

The Academic Bank of Credits (ABC) is an educational digital platform created for students. Government of India plans to enable students across the nation with the Academic Bank of Credits (ABC) system under National Education Policy 2020. Bajaj College of Science is working on requirements of Academic bank of credits. As an initial stage, the institute has completed the registration of students on digilocker portal and triggering the students about the awareness of ABC and its features. As of now, college has created 883 ABC IDs of the students. All these students have active DigiLocker Accounts. Also, college has uploaded the records Winter 2022 examination of 793 students to National Academic Depository. Faculties are encouraged to design courses on Moodle/Gnomio platform which supports assessments and assignments to be carried out online. The institute is offering various FOSS courses available at spoken tutorial portal of IIT Bombay mandatorily to each student of B.Sc. second year and PG students. This practice helps students to acquire additional skills which in future help them to acquire academic credits.

#### **17.Skill development:**

The institute strongly believes in the overall development of each student and already steps in for this purpose. The institute is already offering Skill Enhancement programs under Spoken Tutorial Program of IIT, Mumbai to the students of Semester III. On the parallel lines, institute is also running a Computer Awareness Program and Spoken English Course for the first year undergraduate students. To make them more productive, these programs are incorporated in the timetable and are mandatory. In addition to this institute is also offering interdisciplinary skill based value added certificate and PG diploma courses. Also, the institute has established Training and Placement Cell which regularly organizes the seminars and training programs for strengthening technical and soft skills of the students to enhance their employability. The institute also has a Competitive Examination Cell which aims to prepare students for various competitive examinations.

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

As a part of implementation of NEP 2020 the institute is offering compulsory course paper on Indian Knowledge System to BSc first year students. Institute is imparting science education to UG, PG and research students. Being a science college, the medium of instruction is English. In B.Sc. I in addition to combination of three subjects, 2 papers of languages are incorporated. English language is compulsory, and students have to choose one of the language as second language. The options are Supplementary English, Marathi, Hindi. As the maximum UG and PG students are from rural areas; even if the medium of instruction is English, the faculty members are free to use trilingual (English/Hindi/Marathi ) mode of delivery for better understanding. Skill based value added courses are taught in English and regional language. The institute organizes various events and activities regularly for the students to promote art and culture. The cultural event 'Youth Fest' is organised every year to inculcate Indian culture in to them. This event comprises of various competitions like drama, dance, singing, games, etc. to promote Indian Art and culture. These programs are mostly conducted in regional Marathi and Hindi languages. The NSS camp is organized every year and a nearby village is adopted where all the activities conducted by the students emphasizes the use of regional language and their culture. In reciprocation, our students also gain the knowledge about our villages and their rich customs. The institute publishes the college magazine incorporating the various contents written by students in Marathi, Hindi, Urdu, English and other languages without any barrier.

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

All the programs offered by the institute are designed as outcomes-based education (OBE). The Programme Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (Cos) are well defined for all the programmes and courses offered by the college. The Institute has a plan to map POs, COs by addressing COs on question papers of students. Also, institute has initiated course articulation matrix by preparing POs and COs mapping with help of Bloom's taxonomy. Process is currently in preparation by keeping NEP objectives in future.

**20.Distance education/online education:**

The institute is prepared for distance/online mode of education

and currently using various applications meant for this purpose. The institute is registered for the spoken tutorial- an online initiative by IITs. Students are encouraged to enroll in courses offered by online portals such as Swayam, NPTEL etc. Skill oriented Value-added courses are offered in online and offline mode. In addition to this, faculty members have been encouraged to develop the econtent by using the LMS software like Moodle/Gnomio, edx, etc. Most of the e-contents developed by the faculty members are uploaded on popular websites and e-shiksha portal of the parent university so that it may be accessed anytime from any place. These developments proved to be very effective and helpful in COVID-19 pandemic to keep learning continued. Even after the pandemic, most of the faculty members are using online platforms for conducting quizzes, tests and submitting assignment to make online education popular. The institute is having ICT lab which is open for staff and students for online learning. Most of the classrooms are ICT enabled having the Wi-Fi facility so that offline and

## Extended Profile

### 1.Programme

1.1 9

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2.Student

2.1 960

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 401

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3

886

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 3.Academic

3.1

244

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2

53

Number of full-time teachers during the year:

## Extended Profile

### 1. Programme

1.1	<b>9</b>
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2. Student

2.1	<b>960</b>
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2	<b>401</b>
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3	<b>886</b>
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 3. Academic

3.1	<b>244</b>
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2	53
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	67
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	99
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	27
Total number of Classrooms and Seminar halls	
4.3	167
Total number of computers on campus for academic purposes	
4.4	11996544
Total expenditure, excluding salary, during the year (INR in Lakhs):	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum has been devised carefully by each department after looking into the local as well as national needs. The syllabus formulated is comprehensive, need-based, skill oriented, that emphasizes technical and scientific skills in the stakeholders; making them capable of getting employment at local and national level and also generate entrepreneurship qualities in the stakeholders, thereby fostering their personal growth.

The outcomes of various combinations of courses are:

- Graduating students become sensitized to understand local/national needs
- Students develop subject specific problem-solving and analytical skills.
- Students acquire the skill to use library sources for the academic enrichment
- UG and PG programme passed out students have wider career opportunities/windows in science

The syllabus is regularly reviewed and fine-tuned during bi-annual Board of Studies and general council meetings in the academic year. Syllabus revision is discussed in the Board of Studies, Local Administrative Body and Academic Council meetings

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://jbsw.shikshamandal.org/pos-psos-cos/">https://jbsw.shikshamandal.org/pos-psos-cos/</a>

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

0

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	No File Uploaded
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

242

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	No File Uploaded
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

0

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

5

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

**Bajaj College of Science formulated a curriculum where academic**



excellence and crosscutting themes like Gender, Human Values, Environment and Sustainability and Professional Ethics go hand in hand. The institute always believes in the fact that a student with academic excellence should also have moral and ethical attributes. The college conducts these extracurricular activities involving students and teachers to address issues related to gender equality, human values.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

7

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

### 1.3.3 - Number of students enrolled in the courses under 1.3.2 above

128

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.3.4 - Number of students undertaking field work/projects/ internships / student projects

160

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 1.4 - Feedback System

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

**B. Any 3 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2023/06/Feedback-analysis-report-2022-23.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2023/06/Feedback-analysis-report-2022-23.pdf</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2024/01/Action-Taken-report-2022-23.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2024/01/Action-Taken-report-2022-23.pdf</a>
Any additional information	<a href="#">View File</a>

#### TEACHING-LEARNING AND EVALUATION

##### 2.1 - Student Enrollment and Profile

##### 2.1.1 - Enrolment of Students

##### 2.1.1.1 - Number of students admitted (year-wise) during the year

370

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

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

89

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Depending on their 10+2 grades and the results of the unit test, students enrolled in various disciplines are classified as slow or advanced learners. Individual class-mentors help classify students by writing reports based on what they (teachers) see and how students perform in class. With tools like class assignments, seminars, viva-voce, and attendance, it becomes possible to get a good idea of how much students have learned. Slow learners are those who perform poorly overall and have a low proportion of high grades in the 12th examination. The only issue is that they pick up new concepts a little slowly. They are also found out through different homework assignments, unit tests, and the final exam at the end of the semester. Programs for slow learners: Remedial classes are mandatory and incorporated in time table as additional coaching for students who are slow learners. Advanced learners: Fast/advanced students complete routine assignments and go to student seminars on current issues. They compete in events that are arranged, such as quizzes, debates, and problem-solving exercises. Students are self-motivated by the innate desire to participate in extracurricular activities, exhibitions, and cultural competitions. The Institution appropriately value the academic accomplishments of the students. Students are also given the guidance and support required to adequately prepare them for

national-level competitive exams like IITJAM, DBT-JRF, and NET/SET. Numerous students have successfully completed the short-term workshops that were held by nationally recognized institutions.

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

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2023	953	49

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 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:

All departments conduct programmes that stimulate the creative ability of students, provide them with a platform to nurture their problem-solving skills, and ensure participatory learning.

1. **Experiential Learning:** Each department conducts programmes through the RICH club (a club developed by students) to support students in their experiential learning. The institution imparts the following experiential learning practices to enhance the creativity and cognitive levels of the students: Field trips by M.Sc. and B.Sc. Botany students, On-site learning opportunities were provided by visits to the mushroom farm and industry, as well as visits by Chemistry students to a chemical factory. Vermicomposting and Sanitizer preparation students. Student seminars are conducted every Saturday. PG students deliver seminars every semester. The organisation of inter-collegiate events fosters learning beyond curriculum.

2. **Participatory Learning:** Every Saturday, especially 2nd and 3rd year B.Sc. students are encouraged to take part in project-based activities where they can use their technical and management skills. Telescope making sessions are organised by the Physics

Department. Department Hands on training on gel electrophoresis with support from HiMedia has been organised by the Microbiology Department. Drosophila culture 3..Problem-solving methods: For this, the institution organises expert online lectures on various topics, motivates students to join MOOCs courses, and participate in various inter college and intra-college competitions such as: Problem-based assignments on a regular basis Tutorials as part of curriculum and group projects on every Saturday. Regular Quizzes Seminar presentations.

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

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Institution uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the effective delivery of education. The institution has invested adequately in its information and communications technology (ICT) infrastructure, which enables faculty to take advantage of the most recent technological advances in the field of information and computer technology. Because of this, they are able to get the most out of their efforts to teach. Their lectures end up being more impactful. Student, in turn, reap the benefits of increased knowledge, which comes with a great deal of fun and accessibility. The following tools are used by the Institute: 1. ICT enabled infrastructure and softwares

- Projectors- 20 projectors are available in different classrooms/labs
- Desktops and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.
- Seminar Rooms- Two seminar halls are equipped with all digital facilities.
- Smart Boards - Smart boards are installed in the campus.
- Auditorium- It is digitally equipped with mike, projector, and cameras
- MOOC Platform (Moodle-Gnomio, NPTEL, Coursera, Swayam, Udemy, Edx)

### 2. Use of ICT By Faculty

- PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using LCDs and projectors.
- Seminar and Conference rooms are digitally equipped where guest lectures and various competitions are regularly organized for students.
- Video lectures- Recordings of video lectures are made available to students for long-term learning and future referencing. Institution has used OBS platform to record video lectures.
- Workshops- Teachers use various ICT tools for conducting workshops on latest methods such as SigmaPlot, Microsoft office, R language.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	No File Uploaded

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

49

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	No File Uploaded

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Calendar Preparation Committee is one that plans an academic calendar. It is printed, posted on bulletin boards, and archived in annual report of institution. The calendar is made available to students prior to the start of classes and contains the following information:

Composition of Academic Calendar First and last day of instruction, schedules of internal and external exams,

preparation holidays for final examinations, and vacation periods. The academic calendar is strictly adhered to while organizing event except unforeseen circumstances. In the event of unanticipated circumstances outside the institution's control, the authorities makes the required changes and post them on notice boards and websites.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

51

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

30

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

489

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

## 2.5 - Evaluation Process and Reforms

### 2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

43

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

69

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Our Institution has ensured a focus on holistic development of students. During autonomous tenure, the evaluation method has been consciously designed in order to bring an overall congruence in the teaching learning and evaluation methods. Institute has taken several initiatives to change the examination procedures and processes and integrate Information Technology into the evaluation system. Under the direction of the Controller of Examinations (CoE), Office of the Controller



of Examinations has initiated and carried out a number of changes and innovations. The College Examination Management has been greatly enhanced by recent changes made to the Academic Management System, including the incorporation of information technology into question paper setting, automation of examination registration, automatic generation of Hall Tickets, incorporation of information technology into the Internal Assessment Process, incorporation of information technology into valuation camp, publication of results, and automatic generation of mark lists.

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

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The programme outcomes (POs), programme specific outcomes (PSOs), and course outcomes (COs) for Certificate Course, PG Diploma, BSc, and MSc programmes are stated and displayed on website of the institution. The outcomes outline the skills and competencies that will be acquired by students upon completion of the respective course or program. In the process of defining programme outcomes (POs), programme specific outcomes (PSOs), and course outcomes (COs), academic experts are taken into consideration. There is at least one PSO and PO mapped to each CO. Our institution POs match its Vision and Mission. The pre-stated POs are designed to equip graduates with scientific knowledge and experimental skills, communication skills, critical thinking and problem-solving ability, environmental consciousness, ethics and human values, and an urge to learn.

Elucidation to the students about POs, PSOs, and COs:

The institution webpage, which is distributed to each student, contains electronic versions of the POs and PSOs for each programme. The print copy of POs, PSOs and COs are provided to the students through syllabus copy. The print copies of POs, PSOs and COs are provided to the students as ready reference to enable discussion.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Link for additional Information	Nil

### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The curricula are the means by which the Program Outcomes (POs) and the Program Specific Outcomes (PSOs) are realised.

Course Outcomes (COs) are defined for each course, and then those COs are mapped to both Desired and Required Student Outcomes (POs and PSOs). The quantitative assessment of COs is performed based on a set of criteria designed for performance evaluation. As a result, the accomplishment of COs is evidence that PO and PSO objectives have been accomplished.

The following is a list of the various methods that can be used for assessing, evaluating, and measuring POs and PSOs:

Measurement of POs/PSOs:

- Direct Assessment methods

Direct Assessment method

Final examination marks of theory and practicals

The following actions are required in order to carry out the direct method:

Step 1: assign COs to the appropriate PSO and PO.

Step 2: Determine the average score of all the COs that have been mapped for each PSO and PO.

**Step 3:** Once you have the average score of COs, measure percent number of students showing following table performance class.

**Step 4:** Identify class size of COs showing percent number of students achieving percent attainment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

188

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

### 2.7 - Student Satisfaction Survey

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

<https://jbsw.shikshamandal.org/students-satisfaction-survey-reports/>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Yes, the institution's research facilities are frequently updated and there is a well-defined policy for Promotion of

Research which is uploaded on the institutional website and implemented.

Bajaj College of Science, Wardha has implemented Research Promotion Policy which aims at creating and nurturing a research culture among teachers/research scholars/UG-PG students and leverage it for enhancing professional competence of the faculty members of the institute. This policy promotes scientific temper of all teaching staff, build institutional funds (consultancy) and plans for facilitating participation in research activities. It also aims at ensuring the research activities of the institute adhering to rules and regulations as well as to establish standards related to safe and ethical conduct of research.

Milestones and Output:

During the year 2022-23:

- 2 Ph.D. degrees were awarded.
- 14 Scopus/Web of Science indexed/UGC care listed research papers and 9 books/chapters in edited volumes/books were published.
- Institutional h-index in Web of Science is currently 9.
- 26 Seminars/Workshops/Endowment/Invited Lectures were conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and skills development etc.
- Institute has received the grant of 37.499 lakh rupees from various funding agencies.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/Research_Promotion_Policy_of_BCS.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/Research_Promotion_Policy_of_BCS.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

37.49965

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

14

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

4

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="http://online-wosa.gov.in/wos">http://online-wosa.gov.in/wos</a> <a href="https://www.nagpuruniversity.ac.in/index.php/otherdepartment/Contentpage/index/Ri9KbXF1MEpWZj1QWlZYTzZ3PT0%3D/RlBraHZ1cEdTZnhTWlZRPQ%3D%3D/en">https://www.nagpuruniversity.ac.in/index.php/otherdepartment/Contentpage/index/Ri9KbXF1MEpWZj1QWlZYTzZ3PT0%3D/RlBraHZ1cEdTZnhTWlZRPQ%3D%3D/en</a> <a href="https://www.nagpuruniversity.ac.in/index.php/otherdepartment/Contentpage/index/Ri9KbXF1MEpWUFpOWlZYTzZBPT0%3D/RlBraHZ1dFBTZnhTWlZjPO%3D%3D/en">https://www.nagpuruniversity.ac.in/index.php/otherdepartment/Contentpage/index/Ri9KbXF1MEpWUFpOWlZYTzZBPT0%3D/RlBraHZ1dFBTZnhTWlZjPO%3D%3D/en</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Bajaj College of Science, Wardha has established 'Research and Development Cell' under the banner of which number of ecosystems on the campus are developed to boost the research culture among teachers/research scholars/UG-PG students and to serve for the societal needs. The following facilities are created at the campus as the innovation ecosystems.

- Central Instrumentation Center (CIC)
- Workshop and Instrumentation Centre at Department of Physics
- Astro Club
- Plant tissue culture Facility

- Botanical Garden
- Botanical Museum
- Animal Tissue Culture laboratory
- Zoology Museum
- Vermicompost Production Unit and Mulberry Garden
- Research Innovation Curricular Hours (RICH) Club
- Institute's Innovation Cell (IIC)

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

26

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

A. All of the above



File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

#### 3.4.2.1 - Number of PhD students registered during the year

1

File Description	Documents
URL to the research page on HEI website	<a href="https://jbsw.shikshamandal.org/#">https://jbsw.shikshamandal.org/#</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

14

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

10

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/1suITwRqGLMbc0GJm3MC8100EU_8UI8Sa/view?usp=sharing">https://drive.google.com/file/d/1suITwRqGLMbc0GJm3MC8100EU_8UI8Sa/view?usp=sharing</a>

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

83

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

12

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

1.32990

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Extension activities help students to understand the community and social issues by providing opportunities to work with them. Students learn about the challenges of society, possible solutions, strategic planning, leadership, and teamwork through their work. Institute provides an interactive platform to students with society in the form of various units, which are as follows:

1. National Service Scheme (NSS)
2. National Cadet Corps- Boys unit

3. National Cadet Corps- Girls unit
4. Centre for Women Studies and Services (CWSS)
5. Population Education Club(PEC)

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

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

02

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

38

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1558

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>3.7 - Collaboration</b>	
<b>3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work</b>	
6	
<b>File Description</b>	<b>Documents</b>
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)</b>	
7	
<b>File Description</b>	<b>Documents</b>
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>INFRASTRUCTURE AND LEARNING RESOURCES</b>	
<b>4.1 - Physical Facilities</b>	
4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.	
<p>The institute has established a robust physical infrastructure and facilities to support the teaching and learning process by acquiring various grants, including UGC (CPE), DBT-Star, RUSA, DST, among others. The management takes a keen interest in advancing the institution's infrastructure by providing financial support. The existing infrastructure plays a pivotal role in fostering an excellent teaching and learning environment.</p> <p>Situated on a sprawling 37.55-acre green campus, the institute boasts a total built-up area of 12,233.60 square meters, housing</p>	

various essential components, such as classrooms, laboratories, libraries, seminar halls, playgrounds, a gymnasium (health club), botanical and mulberry gardens, a vermicomposting production unit, and an administrative office. The institute provides 27 well-appointed classrooms, with 23 of them equipped with ICT facilities, ensuring a technologically enriched learning experience.

Furthermore, the institute's departments, including Botany, Biotechnology, Chemistry, Electronics, Zoology, Microbiology, Physics, Mathematics, Computer Science, Languages, and Physical Education, each have dedicated infrastructure. These departments are equipped with laboratories, internet-enabled computers, departmental libraries, and staff rooms. The laboratories are well-equipped with the necessary experimental setups as per the curriculum requirements, and all departments prioritize safety by providing essential safety equipment like fire extinguishers.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

To promote interest of students in sports and cultural events, the college has developed adequate facilities during the last five years. Institute encourages students by providing adequate budget and resources. Facilities for sport activities: College has sports grounds and facilities for following Indoor and Outdoor Games: Indoor games: Badminton, Table Tennis, Chess, Carrom

Outdoor Games: Football, Basketball, Volleyball, Softball, Baseball, Handball, Athletics, Long Jump, Shotput, Kabaddi, Kho-Kho, Ball Badminton, Net Ball, Lawn Tennis, Sepak Takraw, Archery. For outdoor games, institute provides following standard sized courts: One football court with a measurement of 116m x 75m.

One Basket Ball court with a measurement of 28m x 15m Two Volleyball courts with a measurement of 12m x 9m One Softball court with a measurement of 60m x 60m One Baseball court Two

Handball courts with a measurement of 40m x 20m One Athletics running track of 200m One Kabaddi court with a measurement of 13m x 10m One Kho-Kho court with a measurement of 25m x 14m Two Ball badminton courts with a measurement of 24m x 12m each One Archery court with a measurement of 90m x 30m One Tennis court with a measurement of 90m x 30m One Netball court with a measurement of 30.5m x 15.25m The sports infrastructure is used optimally from 7.00 am to 7.00 p.m. The college also has a Gymnasium equipped with Multi gym unit, Mechanical jogger, belt vibrator, bench press, etc. The Gymnasium facilities are available for students and staff.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

23

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	No File Uploaded

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

27.56

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

## 4.2 - Library as a Learning Resource

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

The commitment of Bajaj College of Science Library, also known as the Dr. Damle Library, revolves around acquiring necessary information and resources to support the educational pursuits of its borrowers, fostering excellence in teaching and learning. Spanning an area of 1102.624 square meters, the library is equipped with various sections, including Reading Rooms, Reference Sections, Rare Books Sections, Issue Counters, Stack Rooms, and a Bound Volume Room. Additionally, it offers LAN, Internet, INFLIBNET, and Reprography facilities. The reading room can comfortably accommodate up to 150 readers.

Since 2008, the library has been fully automated using LibTECH software and was recently updated with LIBMAN ILMS software in 2021. Members have open access to library documents, searchable through the Online Public Access Catalogue (WebOPAC) accessible via the website.

At present, the library boasts a collection of 45,054 books, with priority given to books recommended by faculty and students. The arrangement of books follows the Dewey Decimal Classification Scheme (DDC 22nd edition). Undergraduate students can borrow a maximum of two books at a time, while research scholars and postgraduate students are allowed to borrow up to four books. The borrowing period extends for 10 days, with an option for renewal if needed.

To ensure the efficient operation of the library, a committee chaired by the Principal and comprising the Librarian as a member secretary, along with heads or coordinators of UG-PG departments, has been formed.

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

**4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

**A. Any 4 or more of the above**



File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

3.46

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

##### 4.2.4.1 - Number of teachers and students using the library per day during the year

23.48

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The institute is continuously taking efforts to improve the IT infrastructure and to make it available for the students and faculty members so that they can be well acquainted with the state-of-the art technologies to use them regularly. IT facilities are updated by increasing the number of computers, printers, LCD projectors, etc. Institute has also upgraded the college website; online admission process of both UG and PG.

College has 03 computer labs and 02 browsing centres. College has developed a dedicated ICT center to cater to the need of students and faculties. This center has 40 desktop computers of latest configuration, which are connected in high-speed LAN. This center also has the facility of Language laboratory for students. In the academic year 2021-22, total number of computers for students' use was 167. The college has upgraded the internet connection bandwidth to 100 MBPS. The college has total 07 independent internet connections with 100 MBPS bandwidth which covers administrative office, Principal's office, COE office, library, classroom area, RUSA classroom, ICT lab, and various departments viz; Mathematics, Electronics, Computer Science, Life Science complex (Botany and Zoology), Microbiology, Biotechnology, Physics, Chemistry. All the departments of the college are equipped with computers, printers, scanners, LAN, and Wi-Fi connectivity. College Library is fully automated since 2008 with the Libtech software and updated with LIBMAN IILMS software in 2021 with Web OPAC.

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

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
370	167

File Description	Documents
Upload any additional information	No File Uploaded

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

<b>4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing</b>	<b>C. Any two of the above</b>
--	--------------------------------

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

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

48.215

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

Maintenance of Physical and academic facilities Stock Checking of all the equipment, instruments, glass ware, specimens and computing devices etc. is done in all the departments annually and details are given to the College office for the further action. For any kind of maintenance or repair, the laboratory staff-in-charge reports to the Head of the Department and it is forwarded to the Principal and the repair work is carried out by the concerned service person. The instruments and equipment are maintained by the suppliers from whom they are purchased, in case of any services are required. Maintenance Staff are responsible for maintenance related to electrical, carpentry and painting etc., of the classrooms and the entire campus throughout the year and major repair works are carried out

during summer vacations. Technical requirements and other infrastructure facilities are maintained regularly by electrical and technical maintenance team. Fire extinguishers and First Aid Kits are maintained regularly and their refilling is done before the date of expiry. Cleaning and maintenance of class rooms, seminar halls, laboratories, staff rooms, library and corridors are done regularly daily by the supporting staff. Cleanliness and hygiene of wash rooms and the college campus are regularly maintained with the help of the outsourced cleaning staff. CCTV cameras have been installed at vantage points to ensure protection to the staff & the students. Damaged books are bound, scanned, and digitalized in the central library.

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

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

677

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

<p><b>5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology</b></p>	<p><b>B. Any 3 of the above</b></p>
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File Description	Documents
Link to Institutional website	<a href="https://jbsw.shikshamandal.org/">https://jbsw.shikshamandal.org/</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<p><b>No File Uploaded</b></p>

**5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**

**306**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

5

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.2.2 - Number of outgoing students progressing to higher education

50

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

09

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

13

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Student Council and representatives play an active role in the academic and administrative bodies of the institution. The roles and responsibilities of the student council are earmarked for them at the time of assigning posts. The student council has a crucial role in planning, structuring, and executing various academic, co-curricular and extra-curricular activities of the institute. The student council of the institute consists of Secretaries of the Research Innovation Curriculum Hours (RICH) Club and Coordinators of Sports, NSS and NCC. They are assisted by the members of different clubs and associations. The student council is mentored by the Principal and the Heads of the departments. The student council meets to plan and organise activities and programmes of the college with the guidance of teachers and administrative team. It represents the students in the academic and administrative bodies of the institution. The council encourages a cordial relationship amongst management, teachers, student body and other stakeholders.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://sites.google.com/view/bcsw-richclub">https://sites.google.com/view/bcsw-richclub</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

11

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The "Alumni association" aims to support the parent organization's goals, and to strengthen the ties between alumni, the community, and the parent organization. The meetings of alumni association were held in the month of July 2022, January 2023 and March 2023. The future action plan was discussed in the meeting. The executive members donated funds for Alumni Association. On the eve of women's day, Alumni Association in association with Women's Cell and Centre for Women Studies and Services (CWSS) celebrated International Women's Day by organizing "Anemia Detection Camp" and A talk on "Breast Cancer and Cervical Cancer Awareness" by Dr. Surekha Tayade on 2 March 2023 at Gandhi Memorial Hall. The outcome of this programme is that Iron tablets were distributed to those students whose hemoglobin was less than 7 and periodical follow-up will be taken. 324 new members were registered. Students not only registered but also give their share for different activities.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

#### 5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

Institutions' governance is based on discipline, commitment & honesty to provide the best science education to produce well-educated, socially conscious students with good values. The institution runs on participatory management & decentralized academic and administrative work. The Principal shoulders the following responsibilities :

##### Administrative & Financial Responsibility

- Supervise curricular and extension activities
- Promoting Research activity
- Maintenance and development of Infrastructure
- Acts as a link among colleges, affiliating universities, government, UGC & community.
- All heads, conveners, and office superintendents assist him in the routine functioning of the college. Being autonomous, the principal heads the governing body and chairs the academic council and finance committee. Management policies, e-governance & principal's decisions are executed by all to carry out curricular & extension activities. College Development Committee is there to monitor it.

##### Perspective Plan

- The college and its visionary management have a perspective plan that includes building infrastructure, enhancing additional facilities, introducing new subjects in UG & PG courses, etc. as per the societal and students' needs.
- Promotion of research culture for maximum research publication.
- Networking with UGC, DST, DBT, CSIR, etc.
- Mobilization of resources.
- Administrative reforms
- To identify research collaboration with national and international laboratories

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://jbsw.shikshamandal.org/vision-mission-values/">https://jbsw.shikshamandal.org/vision-mission-values/</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Being an autonomous institution, decentralization and participative management in academic & administrative work are inevitable. Institute follows

A. Examination decentralization and participation

B. Administrative decentralization and participation.

For A part, a faculty has been appointed as the "Director, Board of Examinations and Evaluation" who monitors all examination related activities as question paper setting, valuation and moderation, etc. Besides, Board of Studies is there for every subject wherein various heads of departments act as a chairman and remaining faculties as members of BOS. They frame curriculum, question paper, pattern and assign outsourced or in-housed faculties for various activities like setting, valuation, and moderation.

For B part, the Principal of the college along with IQAC needs to administer various extension activities such as conferences and seminars, programs on women empowerment, gender sensitization, cleanliness, etc., the extension activities like

National Service Scheme , National Cadet Corps , Centre for Women Studies and Services , Population Education Club , etc. Furthermore, field trips, exhibitions of academic achievements, debates, discussions are organized. There are co-curricular activities like academic societies such as Chemical Society, Zoological Society, etc. Moreover, many healthy practices are going on such as Training & Placement cell, etc.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

- All perspective plans of the college are implemented through various committees by allotting work to teaching and nonteaching.
- Academics are achieved through curriculum development as per the local and global needs.
- Faculty development is done through training of teaching and nonteaching staff & Skill development by introducing certificate courses.
- Use of ICT for effective teaching learning. Project and research for skill development.
- Training and placement cell help them to get placed.
- College tries to give its best possible, hence is recognized as one of the best science colleges in surveys of reputed magazines.
- National seminars (Innervate), state seminars (Scintillation), conferences, workshops are regularly organized.
- Research committee encourages staff for research; students for

projects, M.Phil. and Ph.D. .

- In order to promote research and boost interest in science research, the promotion committee has introduced projects in UG.

The aim of this program is to :

- increase interaction with students
- increase interest in science
- inculcate confidence in students
- provide exposure for their all-round development

•Working :

- Graduate students are introduced to the basics of research by introducing projects in curriculum.

•Outcomes :

- Students are allotted small topics on which they work for a year and then submit the reports, due to this practice, number of students moving for higher studies and research has increased.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

As per the rules of Autonomous college, the statutory and nonstatutory committees, as well as other committees, are formed as per the need and college rules. These committees are chaired by the Principal of the college and co-ordinators and team (consisting of teaching and non-teaching staff as members) to execute the work. In some of the committees, students are also there as active members. The college also has a college

development committee and staff council for the review and planning of the college development. All the committees are formed for two to three years and displayed on the staff notice board. Following the guidelines, the working of all the committees is executed. In this way, the administrative and college work is executed as per the procedure.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/Organogram.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/12/Organogram.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

### 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) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	No File Uploaded

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

•Staff Council is established by the teaching staff members and is headed by the Principal wherein issues related to the administration and policies are discussed The faculty on his superannuation is felicitated by the council. The new appointees are introduced. The corpus fund is generated from the teaching staff. Staff is felicitated for research and other academic achievements. •Non-teaching Association: It is affiliated to Vidarbha Vibhagiya Mahavidhyalayin Shikshetar Karmachari

Sanghatna). The successful and meritorious students of the staff are motivated by felicitating them. •Cooperative society: A cooperative society has been established to help the staff financially. The loan upto Rs. 9 lakhs and emergency loan facility is also available. . •Group insurance: This facility is available for all the staff members. •Provident Fund: Regular contribution towards the Employee Provident Fund by management.Uniform for calss IV employee •Facilities like wheelchair, separate retiring room for women staff, common recreational room and canteen for all the staff, air coolers, water coolers, purifiers & first aid box are available. • Residential quarters for the teaching and nonteaching staff in the campus are available . • Research Promotion cell promotes research among staff. The library has enriched collections of books and journals. All the laboratories have been enriched with good instrumentation. The facility of Central Instrumentation Laboratory is available on the campus.

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

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

8

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

8

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

6

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 6.4 - Financial Management and Resource Mobilization

##### 6.4.1 - Institution conducts internal and external financial audits regularly

Various grant-in-aid and non-grant graduate and postgraduate science programmes (courses) are run by the college. Internal Auditor appointed by the parent organization -Shiksha Mandal, Shri Rajendra Bhutada, carries out annual budget on regular basis. The deficiencies in the budget are resolved immediately by the college time to time. The grant received from UGC to the college through various projects is disbursed properly and the Utilisation Certificate for the same is submitted within due date. The grant received from the Government (DBT) to the college is too disbursed properly and its Utilisation Certificate is submitted within stipulated time-frame. As the Joint Director, Higher Education ,Nagpur conducts External Audit of the grant-in-aid colleges as per their audit plan and timetable, the college has undergone the same in the academic session 2010-11. The report of this audit is available in the college. The deficiencies in the budget are resolved immediately by the college within time. External audit of UGC-CPE and RUSA grant is also done through CAG. The queries in the budget are

resolved by the college within time.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

200000

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The fee of the grant-in-aid courses is regulated as per the University norms.. Only students belonging to open categories need to pay admission fees. The scholarship-recipient students are exempted from the college fees, The Budget of Expenses is prepared and it is passed annually by College Development Committee (CDC) finance committee and governing body (Autonomy). Laboratory maintenance fund is disbursed to each Department. The university approved non-grant, self-financed post-graduate courses are also run by the college. Their fees are too governed and regulated by the University. The students avail Government of India (GOI) scholarship. The college receives grants from UGC and Government through various schemes such as UGC's XI and XII five-year plan, RUSA, Additional Assistance, CPE, BSR, Building fund, Major and Minor Research Project, and Government's DBT Star College Scheme. A Purchase Committee has been established in the college which purchases various recurring and non-recurring items Students are motivated for various projects and additional laboratory tools are purchased during the process. The thrust is on society-oriented research. Tender notices are given and quotations are called for the purchase. Recurring and non-recurring expenditure is timely disbursed. An audit of every



purchase is carried out compulsorily. All the utilization certificates are sent to the concerned authority within due dates. College has received grants of DST FIST. The process of purchase of instruments has been started.

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

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Incremental improvements are made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles) As a post-accreditation initiative, the faculties are kept updated on the compliances received from NAAC after the accreditation process. Timely AQAR data submission through IQAC is being carried out. The college received Autonomous status from 2017-18. As NEP has to be implemented from the session 2023-24 all the preparations regarding this has been started. Construction of new buildings was carried out for the department of chemistry and physics. Applied for PG in Physics. New certificate courses and new skill- enhancement courses were introduced. The syllabus was modified as per the need of students so that they could compete in the competitive world.

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

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

•For the effective teaching-learning process; the classrooms were made Wi-Fi & ICT facilities enabled.

•Time table is distributed to the respective departments and timetable and workload distribution of the department is done by the respective heads. The departmental Teaching plan is made by respective staff and a review of teaching-learning is taken by the heads of departments from time to time.

•Departmental teaching plan is also reviewed by the Principal and management from time to time. Learning outcome was also analyzed through attendance, tests, quizzes, assignments using popular LMS.

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

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://jbsw.shikshamandal.org/igac-meeting-minutes/#">https://jbsw.shikshamandal.org/igac-meeting-minutes/#</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **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

Gender equity & sensitization in curricular and co-curricular activities: Girl students and female teaching faculties are involved in various decision making committees. The institute has organized sufficient training programmes, seminars, workshops, and other events to address gender equity and sensitization. Girl students are provided assistance and motivation for active participation in various National / International competitions/conferences and they have won many prizes for paper/poster competitions. Girls have been taking the full advantage of the competitive examination cell and qualified in many competitive exams including Joint Admission test for M.Sc. (JAM)/NET/SET/GATE.

Sensitization through Extracurricular Bodies: Centre for Women Studies and Services (CWSS) is dedicated towards the study of various social problems and issues related to women viz, Women empowerment, Men-Women equality, Women Safety, Superstitions among women, contribution of youths in developing India, pollution, protection and preservation of environment and water, the problems of senior citizens and means to solve it. Sports department of the institute plays a key role in gender sensitization and has organized training sessions and provided best opportunities for girls. Girls have not only participated in more than 15 categories of sports but also earned a name by representing and securing ranks at National and International events.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2023/12/7.1.1 Compiled-CWSS-1.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2023/12/7.1.1 Compiled-CWSS-1.pdf</a>

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

#### Solid Waste Management

- Colour-coded labelled bins segregate dry and wet waste in the cafeteria, corridors, grounds, and open areas.
- Plastic, glass and scrap material are disposed through Wardha Nagar Parishad's waste collection centers.
- Vermicomposting unit treats wet and garden-waste.
- The college has reduced the use of paper substantially through digitization.

#### Liquid Waste Management

- A Chemical Waste Treatment Plant (CWTP) has been installed in the Department of Chemistry which treats the liquid waste from the laboratories.
- Proper drainage facility is available to manage the liquid waste of washrooms. wastewater generated from washing, urinals, bathrooms, is disposed of in the soak pits.

#### Biomedical waste Management

- Glass waste and other non-hazardous material are collected in separate strong containers.
- Waste from Biotechnology laboratory, Microbiology laboratory and Plant Tissue Culture Laboratory are autoclaved and sterilized before disposal.

#### E-waste Management

- Institute has MoU for collection, transportation and recycling of Lithium- ion batteries and E-waste.
- Effective maintenance of IT infrastructure ensures the increased lifespan of electronic equipment.

#### Waste Recycling System

- The office waste papers, old answer sheets of all departments are crushed and sent for recycling and reuse.

**Hazardous chemicals and radioactive waste management**

- **Effective mechanisms are devised to prevent ignitability, reactivity, and toxicity of hazardous chemicals.**

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**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
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**7.1.5 - Green campus initiatives include**

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

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

**B. Any 3 of the above**

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> <li><b>5. Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>B. Any 3 of the above</b></p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

<p><b>7.1.7 - The Institution has a disabled-friendly and barrier-free environment:</b>  <b>Ramps/lifts for easy access to classrooms and centres</b>  <b>Disabled-friendly washrooms</b>  <b>Signage including tactile path lights, display boards and signposts</b>  <b>Assistive technology and facilities for persons with disabilities:</b>  <b>accessible website, screen-reading software, mechanized equipment, etc.</b>  <b>Provision for enquiry and information: Human</b></p>	<p><b>A. Any 4 or all of the above</b></p>
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assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing 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, socio-economic and other diversities (within a maximum of 200 words).

Institute provides access to education for all, within the prevailing framework of rules and policies laid down by the government. A significant number of students belonging to economically weaker sections are benefitted by the low-cost, values-based education. A dress code implemented for students in campus infuses a feeling of unity, togetherness and tolerance, irrespective of their gender and socio-economic background. Different committees constituted in the campus like Grievance Redressal Cell, Anti Sexual Harassment Cell, Internal Compliance Committee, SC/ST Cell, Anti-Ragging Cell, Discipline Committee and Staff Council ensure justice, equality, and inclusiveness of all stakeholders in the campus. There are some special provisions for the admissions through sports and Divyangjan quota. Various policies of institution viz. code of conduct, Divyangjan, Gender Equity and Community Extension Activities helps to foster inclusiveness, tolerance and harmony. NSS and NCC units have organized special camps, awareness programs, various cultural events, guest lectures to develop a sense of tolerance, cultural and communal harmony. For showcasing the extra-curricular talent through cultural programs and competitions, annual gatherings of students have been organized in which students presented traditional and folk dances from various states and regions of country and songs of Maharashtra's rich cultural traditions.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

The sapling plantation campaign, an initiative carried out on World Environment Day is aimed at creating environmental consciousness and a sense of responsibility towards mother nature. Students along with their parents and staff of the college join hands for the green campus in this programme. Extension bodies CWSS, PEC, NSS and NCC have organized the awareness programmes throughout the year to inculcate values, duties, and responsibilities of the citizens. To name a few awareness events Ahimsa Rally, World Peace Day, World Population Day, World Anti Tobacco Day, Road Safety Rally, Voter Awareness Campaign etc. To develop the values related to cleanliness and hygiene, the institute has conducted cleanliness drives from time to time. To understand the principle and practices of righteous life in the context of the responsible citizens, as professed by Mahatma Gandhi, Gandhi Research Foundation, an International Institute had organized Gandhi Vichar Sanskar Pariksha where students were motivated to participate. Institute has also motivated students to participate in various essay competitions by Vivekanand Kendra, events by Gandhi Vichar Parishad.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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**

A. All of the above



**Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

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

- International Yog Diwas
- Independence Day Celebration (Azadi ka Amrut Mahotsav)
- Mahatma Gandhi Jayanti
- Lal Bahadur Shastri Jayanti
- Martyrs day
- Republic Day
- Dr. Babasaheb Ambedkar Birth Anniversary
- Rashtrasant Tukdoji Maharaj Jayanti
- Teachers Day
- Womens Day
- World Environment Day
- Constitution Day
- Mahaparinirvan Din
- Maharashtra Din
- Mathematics Day
- Science Day
- No Tobacco Day
- Vachan Prerna Din (Birth anniversary of Former President Dr. A. P. J. Abdul Kalam)
- Library Day
- Kargil Diwas

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### Best Practice 1:

**Title: Spoken Tutorial of IIT Mumbai: Learning Free and Open-Source Software (FOSS) online.**

### Best Practice 2:

**Title of the Practice: Computer Awareness Course**

File Description	Documents
Best practices in the Institutional website	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2023/12/7.2_Best-Practices.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2023/12/7.2_Best-Practices.pdf</a>
Any other relevant information	Nil

## 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

### Grooming Young Minds of Wardha District for Science Education in Bajaj Science Education Center

Bajaj Science Education Center was established in 2007 to promote basic science education among school students in Wardha district. It is a place for children to learn science through exploration and play. The goal is to create curiosity in their minds and to inculcate a sense of excitement in studying

science. The faculties of the college mentored students for their projects and competitive examinations at the National level.

#### Role of Bajaj College of Science:

- Facilitating Academic inputs
- Mentoring Laboratories
- Guiding Students for projects
- Training students for the International Junior Science Olympiad programme
- Training school teachers of Vidarbha Region
- Connecting students with science educators and scientists across the country
- Organizing Educational Tours
- Promoting science education through Webinars/Seminars and Science Shows
- Facilitating Astronomy Lovers
- Assistance in mentoring ZP Schools

Website: [www.bajajsciencecenter.co.in](http://www.bajajsciencecenter.co.in)

#### YouTube Channel:

<https://www.youtube.com/BajajScienceCenterWardha>

Facebook page: [www.facebook.com/BSCWARDHA](http://www.facebook.com/BSCWARDHA)

File Description	Documents
Appropriate link in the institutional website	<a href="https://jbsw.shikshamandal.org/institute-distinctiveness-2/">https://jbsw.shikshamandal.org/institute-distinctiveness-2/</a>
Any other relevant information	No File Uploaded

#### 7.3.2 - Plan of action for the next academic year

- To start a certificate course in Gandhian Thoughts in association with Mahatma Gandhi Foundation Jalgaon after signing a MoU for the same