



## YEARLY STATUS REPORT - 2022-2023

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>	
	<b>BABA BANDA SINGH BAHADUR ENGINEERING COLLEGE</b>
• Name of the Head of the institution	<b>DR LAKHVIR SINGH</b>
• Designation	<b>PRINCIPAL</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>01763503056</b>
• Mobile no	<b>9814221213</b>
• Registered e-mail	<b>principal@bbsbec.ac.in</b>
• Alternate e-mail	<b>naac@bbsbec.ac.in</b>
• Address	<b>CHANDIGARH ROAD, FATEHGARH SAHIB</b>
• City/Town	<b>FATEHGARH SAHIB</b>
• State/UT	<b>PUNJAB</b>
• Pin Code	<b>140407</b>
<b>2.Institutional status</b>	
• Affiliated /Constituent	<b>AFFILIATED</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Urban</b>

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR</b>				
• Name of the IQAC Coordinator	<b>DR AMANPREET SINGH SETHI</b>				
• Phone No.	<b>9855043335</b>				
• Alternate phone No.	<b>9872988729</b>				
• Mobile	<b>9872988729</b>				
• IQAC e-mail address	<b>APS.SETHI@BBSBEC.AC.IN</b>				
• Alternate Email address	<b>NAAC@BBSBEC.AC.IN</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="http://bbsbec.edu.in/naac/">http://bbsbec.edu.in/naac/</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://bbsbec.edu.in/academic-calendar/">https://bbsbec.edu.in/academic-calendar/</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.15</b>	<b>2021</b>	<b>16/03/2021</b>	<b>15/03/2026</b>
<b>6.Date of Establishment of IQAC</b>			<b>09/02/2018</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		

<b>9.No. of IQAC meetings held during the year</b>	<b>4</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been 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.Whether IQAC received funding from any of the 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>		
AUGMENTATION IN RESEARCH AND INNOVATION ACTIVITIES AND PROMOTIONAL ACTIVITIES OF TECHNICAL STUDENTS CLUBS		
BOOSTING OF PLACEMENT ACTIVITIES AND PLACEMENTS IN GOOD COMPANIES AND ORGANISED SOFT SKILLS AND PERSONALITY DEVELOPMENT PROGRAMMES FOR STUDENTS.		
STRENGTHENING OF THE MENTOR-MENTEE SYSTEM, ORGANISED SOFT SKILLS AND PERSONALITY DEVELOPMENT PROGRAMMES FOR STUDENTS, AND CONDUCTED ACADEMIC AUDIT EACH SEMESTER FOR MAINTAINING STANDARDIZATION IN ACADEMICS.		
CONDUCTED ACADEMIC AUDIT EACH SEMESTER FOR MAINTAINING STANDARDIZATION IN ACADEMICS.		
COLLABORATIONS THROUGH MOUS AND MEMBERSHIP WITH PROFESSIONAL BODIES.		
<b>12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>		

Plan of Action	Achievements/Outcomes
TO ACHIEVE EXCELLENCE IN PLACEMENT AND ALUMNI ACTIVITIES	INCREASE IN STUDENT PLACEMENTS AND UP-RISE IN TIER-1 COMPANY SELECTIONS
TO ENHANCE PROFESSIONAL DEVELOPMENT ACTIVITIES	CONDUCT OF PROFESSIONAL DEVELOPMENT TRAININGS AND SEMINARS
IMPROVEMENT OF ACADEMIC PERFORMANCE	ENHANCEMENT OF UNIVERSITY MERIT POSITIONS
TO AUGMENT THE RESEARCH AND INNOVATION ACTIVITIES	AUGMENTATION IN QUALITY PUBLICATIONS, IIC ACTIVITIES AND PATENTS
To conduct Internal Academic Audit	Internal Academic Audit of all departments was conducted by Internal Assessment Committee. Inspection reports were submitted to Principal while Compliance reports were submitted by all the departments.
Environment Awareness activity	Frequent tree plantation drives are organised in the college premises. Worked on One Student - One Tree program in institute
To spread awareness about yoga among the students and faculty	Organised Yoga camp in college campus on International yoga day and yoga session to first year students during Induction Program.
<b>13. Whether the AQAR was placed before statutory body?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
Nil	Nil
<b>14. Whether institutional data submitted to AISHE</b>	

Year	Date of Submission
2022-23	27/02/2024

### 15. Multidisciplinary / interdisciplinary

Baba Banda Singh Bahadur Engineering College has always strived for a multidisciplinary approach in its academic as well as cocurricular activities. The affiliating university, IKGPTU has introduced the major and minor degree concepts to facilitate the students' undergo interdisciplinary study aspect and be in line with future technologies. Students are encouraged to undergo minor/major projects in the Multidisciplinary/ Interdisciplinary mode. Students are also encouraged to formulate teams from different disciplines to participate in various events like Hackathons etc. As some of the senior members of institution are members of Board of Studies, they are providing inputs to alien the curriculum with NEP 2020 thus contributing in the process of revision of its curriculum for students admitted in session 2022-23 and onwards, in which provision will be made to offer minor degrees in fields other than the parent discipline.

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

We are already managing online record of students' academic credits and are planning to prepare credit bank for each of the student as per the requisition of NEP 2020. We encourage the students to take up add on online courses through online mode through National Schemes like SWAYAM, NPTEL, etc, and are considering credits earned against elective courses. We are in the process of developing a system for executing ABC in the true spirit. The following plan and preparation is in execution for the implementation of Academic Bank of Credits: Planning and development of Web infrastructural augmentation. 1. Development of a mechanism for maintaining the Academic Bank of Credits. 2. Constitution of a team with overall in charge of the process. 3. Provide adequate training to the faculty to acquaint themwith the process of Academic Bank of Credits and to manage thesame. 4. In case of transfer of students to any other Institution/University across the nation, a mechanism will be devised toaddress the grievances of students related to credit transfer. 5. The faculties in the institution are encouraged to designtheir own pedagogical approaches within the approved frameworkof the University by incorporating case studies, presentations, role play, quizzes, assignments, etc.

### 17. Skill development:

Besides the technical education in field of engineering and management, Institute also offers skill development courses such as B.Voc in all engineering related branches. Besides this, the programs like human values, Personality Development and Constitution of India have also been incorporated in the curriculum to make students technically and mentally skilful. It aims to meet industrial expectations and to develop socially active personalities. The Bachelor of Vocational program helps students to focus on practical skills enabling them to hold specific job roles as per the occupational standards. The program of B.Voc is dedicated to creating a workspace of highly skilled youth with a bright future. Moreover, it ensures that students have adequate knowledge and skills so that they work efficiently at each exit point of the program. It also furnishes students by means of predefined entry and multiple exit points with the required skills and practical knowledge. In order to create an industry-aware individual, the course subjects are industry and work-integrated. Over and above, the courses like Constitution of India help students to understand their fundamental rights and duties being Indian citizens. This subject also imparts knowledge about the key features of the structure and constitution of the Indian government. The students get awareness about the basic inferences between monarchy, dictatorship, and democracy, and also on emergency provisions, amendments, and powers. Besides this, it also educates the students about the election and the right functioning of government as well as the creation of unions to establish justice. Equally, the program aware the students of professional ethics, human values, and soft skills motivating them to find opportunities out of every problem. The main goal of these subjects is to ensure domestic tranquillity, common defence, and liberty. In the modern education system, learning is not accomplished without the inculcation of values of humanism and moral education. Value based education helps to build better human relations, encouragement of self-learning, and prosperity, maintain good physical and mental health, and promote teamwork. On top of this, proper counselling and mentoring is done to imbue ethics and moral values amongst students. The Institution attempts to ensure continued learning by enrolling students in self-paced learning programs offered through the available online platforms. Students are availing this opportunity by getting themselves upskilled through various online portals. The college offers hybrid mode of learning with the objective to cater to the needs of students from remote areas for particular time span.

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

We train our faculties to promote multilingualism and embrace home language and culture and incorporate the same into projects, celebrations, and lessons. We also promote translanguaging which promotes students' deeper understanding of the subject matter by discussing in one language and writing in another. Students always refer to what they already know from their first language while working with a second language. Faculty and students are motivated to make the use of Indian language while teaching. They are encouraged to do online courses to enhance their language skills. We always strive hard to promote and preserve Indian culture through various programs at our Institute. We have Literary Society at a college campus which helps in fostering literary instincts of budding intellects irrespective of language. The best practice that we follow is we familiarize students with the nature of Indian texts. Primary texts are read from various sources and help them develop their critical abilities. We relate the knowledge to the present context. We internalize the given knowledge and pursue it further in our courses of study by gathering more information about thinkers and texts. Interpretation and analysis of different subject related texts are done and expressed in the native language of students. We relate ideas of various disciplines with Western thoughts introduced in their coursework. Paraphrasing the ideas of primary texts is done bilingually.

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

The Institution has made significant strides toward providing proper training to our students to empower them. In order to significantly alter the outcomes of the program, efforts have been made to incorporate skills that are in line with the requirements of the industry. It might be difficult for students to handle their professional career and management with just topic knowledge. Given the increased importance of information and data analytics in the present job market, technical skills would be quite beneficial for career advancement. Students are provided a platform to develop a variety of abilities in addition to their studies in order to succeed in interviews, competitive tests, and at the workplace, including grammar, communication, logical reasoning, aptitude, pre-placement training, mock interviews, tally ERP, and advanced Excel courses. The aforementioned abilities are taught in conjunction with TP cell of college. As part of our value-added and add-on, certificate courses, MOOCs courses, technical and interpersonal skills have been incorporated in their curriculum. The institution places a strong emphasis on knowledge combined with wisdom, the development of students' leadership skills, and social, legal, and moral principles. The Context of NEP 2020 focuses on



knowledge with wisdom, the development of leadership qualities in students, and social, legal, and moral values and conduct. With mere subject knowledge, it's challenging for students to manage their professional careers and management. Information and Data analytics are more important in the current employment market, and advanced Excel would be of great help to pursue their profession smoothly. Students require grammar, communication, logical reasoning, aptitude and pre-placement training, mock interview, advanced Excel, and many skills besides their academics in order to crack interviews, and competitive exams and to have a successful career. The above skills are imparted in association with the agency and provided to all students free of cost during their academics.

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

As the institution follow the curriculum prescribed by the University, the option of offering open and distance learning is not feasible at the moment. But, the requirement of the University Curriculum for the mandatory Massive Open Online Courses (MOOC) platforms such as SYAYAM, NPTEL, AICTE, and CEC of 8 weeks, 12 weeks, or 16 weeks paves the way for encouraging Open and Distance Learning (ODL) mode of learning as the University curriculum restricts the way how the course of study works. The institution has to be promotive of the ODL mode of learning to make learning more flexible for students who would prefer or are in need of open and distance learning. The institution is considering offering vocational courses along with open and distance learning. The courses like languages, soft skills, excel, and technical courses have gained a lot of focus as a part of value-added courses. The institution has been providing courses that are essential for the student's progress and enable them with 21st-century skills like digital marketing, excel, communication, aptitude, etc. The affiliating university IKG Punjab Technical University, Kapurthala has selected our institute as its learning centre for offering various courses in ODL mode and as its regional centre for offering PG/Ph.D program. Institute has successfully imparted all its courses' content delivery in online mode during the Pandemic

### **Extended Profile**

#### **1.Programme**

1.1

637

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



File Description	Documents
Data Template	<a href="#">View File</a>

**2.Student**

2.1 1622

Number of students during the year

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

2.2 751

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

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 450

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**3.Academic**

3.1 136

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 136

Number of sanctioned posts during the year

## Extended Profile

### 1. Programme

1.1	<b>637</b>
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 2. Student

2.1	<b>1622</b>
Number of students during the year	

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

2.2	<b>751</b>
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	<b>450</b>
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 3. Academic

3.1	<b>136</b>
Number of full time teachers during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

3.2	136
Number of sanctioned posts during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

<b>4.Institution</b>	
4.1	61
Total number of Classrooms and Seminar halls	
4.2	238
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	904
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Baba Banda Singh Bahadur Engineering College is affiliated to IKGPTU, Jalandhar and follows the curriculum prescribed by the University. The University academic calendar discussed in Higher Forum Meetings and then college academic calendar is designed by Dean Academics and Dean Examination. The department meetings are conducted in each department for effective planning and implementation of curriculum. The points discussed in department meetings are:

- dissemination of college academic calendar
- distribution of subjects among faculty
- design of time table by the time-table committee of each department

Each faculty member maintains student attendance and continuous evaluation record book, prepares lesson plan, assignments, tutorial sheets and course files for effective course delivery.

Classroom teaching is supplemented with seminars, workshops, special lectures, paper presentation by the students, projects, educational tours and industrial visits so as to update their knowledge and to improve the teaching practices. The Institution provides ample books and other teaching and reference materials like journals, magazines, e-journals and softwares and encourages faculty members to attend workshops and present papers in seminars conducted by the affiliating and other Universities for acquiring necessary skills for effective delivery of the curriculum. The adherence to curriculum delivery plan is reviewed by IQAC.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://bbsbec.edu.in/naac/1.1.1.pdf">https://bbsbec.edu.in/naac/1.1.1.pdf</a>

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

The academic calendar of the college has been prepared taking into consideration the declared calendar of the University, which is discussed in Higher Forum Meetings. Then college academic calendar is designed by Dean Academics and Dean Examination, which is also discussed in Higher Forum Meetings and reported to IQAC. The college academic calendar is disseminated to faculty through Heads of department. The new session is commenced and mid semester tests (MSTs) are conducted as per academic calendar schedule. Date sheets of all MSTs are disseminated to faculty through emails via Deputy Controller Examinations and same is sent to students in class whatsapp groups by the faculty. In case the dates of mid semester tests are required to be re-scheduled due to any unavoidable circumstances, same is intimated to faculty by Deputy Controller Examinations/Principal and further information is conveyed to the students by faculty.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://bbsbec.edu.in/naac/1.1.2.pdf">https://bbsbec.edu.in/naac/1.1.2.pdf</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum**

**A. All of the above**

**development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## **1.2 - Academic Flexibility**

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

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

**10**

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

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

**17**

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

**941**

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

- All the departments in the institute have courses in curriculum that deals with major issues related to Gender, Environment and Sustainability, Human values and Professional ethics.
- To inculcate human values and moral ethics in students a subject on Human Values is taught at UG level of college.
- There are full credit courses which are compulsory for UG students to provide awareness about the cross-cutting issues like gender, environment sustainability, human values and professional ethics these courses are included in IKGPTU syllabus and conducted by various departments every semester as part of curriculum.

The list of subjects is as under:

1. Environmental Engineering
2. Environmental Engineering laboratory
3. Solid and Hazardous Waste Management
4. Professional Practice, Law & Ethics
5. Management- I (Organizational Behaviour and Entrepreneurship)

6. Environment Science (Non- credit)
7. Constitution of India
8. Environmental Technology & Safety
9. Environmental Science
10. Wasteland development
11. Agricultural structure and environmental control
12. Environmental Studies (EVS101-18) (Agricultural Engineering)
13. Constitution of India (MC) (Computer Science Engineering)
14. Development of Societies
15. Universal Human Values
16. Environmental Sciences
17. Environmental Studies
18. Indian Constitution non-credit
19. Essence of Indian Traditional knowledge
20. Education technology and society
21. Humanities and social including Management
22. Human Value, De- Addiction and Traffic Rules
23. Mentoring and Professional Development
24. Environmental Studies
25. Organisational Behaviour
26. Entrepreneurship development
27. Business Ethics and CSR
28. Business Ethics and CSR
29. Entrepreneurship and Project Management
30. Organisational Behaviour and Design
31. Foundational Course in Humanities (Development of Societies or Philosophy)
32. Universal Human Values - 2: Understanding Harmony
33. Mandatory Course Environmental Sciences

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

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

39



File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View File</a>
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

1390

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

### 1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	<a href="https://bbsbec.edu.in/naac/1.4.1_feedbackreport2023.pdf">https://bbsbec.edu.in/naac/1.4.1_feedbackreport2023.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
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File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://bbsbec.edu.in/curriculumfeedback/">https://bbsbec.edu.in/curriculumfeedback/</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of students admitted during the year

626

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

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

145

File Description	Documents
Any additional information	<a href="#">View File</a>
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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution assesses the learning levels of the students at the time of the commencement of the classes. Students enrolled in various disciplines are identified as slow and advanced learners

based on their +2 marks and MST tests conducted by each department. Faculty members and various committees regularly review the academic progress and counsel students to improve their performance to ensure their academic growth.

#### Strategies adopted for slow learners

1. Organized extra classes
2. Students were enrolled in various professional /creative clubs/sports events.
3. The club activities were conducted by all departments in the respective areas to mould the students in their corresponding fields
4. Alumni webinars were organized under Alumni interaction program.
5. IIT spoken tutorials lads test was conducted online.
6. Provision of simple and standard lecture notes/course materials

#### Strategies for the advanced learners

1. Advanced learners were encouraged to enroll in MOOC Courses through Swayam
2. The students were motivated to participate in the in-house competitions such as Debate, Group Discussion, Problem Solving-Decision Making Exercises and Quiz Programs.
3. The students were motivated to participate in extra-curricular activities, exhibitions and cultural competitions.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/2.2.1_AS_L_2023.pdf">https://bbsbec.edu.in/naac/2.2.1_AS_L_2023.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
1622	136

File Description	Documents
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

As per the guidelines of AICTE, the College has adopted the student-centric approach. The methods under this approach include Lecture Method, Interactive Method, Project-based Learning, Computer-assisted Learning, Experiential Learning etc. The teaching-learning activities are made effective through illustration and special lectures. The faculty members make learning interactive by motivating the students to participate in group discussions, subject quiz and organize various technical and non-technical activities. This in turn enhances the technical skills and personality development of the students. The college follows the following student-centric methods:

- ICT Enabled Teaching
- Event Organization
- Industry Visits
- Sessions by Alumni
- Workshops
- Value Added Certifications
- Participation in Student Chapter Activities
- Assignments and Tutorials
- Project-Based Learning
- Research papers and Dissertation work

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://bbsbec.edu.in/naac/2.3.1.pdf">https://bbsbec.edu.in/naac/2.3.1.pdf</a>

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

The ICT tools are being used by the College teachers to support, enhance, and optimize the delivery of education. To make the students familiar with latest technologies, the innovative techniques of teaching are combined with the traditional mode. The web based ICT tools such as Google meet, ZOOM etc can be used to connect the students, educators, scholars and researchers from all over the world. These platforms are to communicate, provide material, conduct tests, upload assignments, and address queries. Furthermore, the teaching of various courses through online platforms such as Swayam courses, Couresera, edX etc. in higher education provides independent learning to the students. The educational materials can be shared country-wide among many distance learners. Students can use their laptops or mobile phones to gain quick access to the information which is available and accessible any time and from any place.

The different ICT tools used by the faculty/staff and the students are as below:

1. Projectors- available in different classrooms/labs
2. Desktop and Laptops- with faculty/staff and laboratories
3. Smart Board- Two smart boards installed in two departments
4. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom
5. MOOC Platform (NPTEL, Coursera, SAP, Udemmy, edX etc)
6. Digital Library resources (DEL NET, e-journals, eshodh sindhu etc)

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

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

**2.3.3.1 - Number of mentors**

96

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<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

136

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

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

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

47

File Description	Documents
Any additional information	<a href="#">View File</a>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

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

#### 2.4.3.1 - Total experience of full-time teachers

1828

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

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

- The college follows a structured process for conducting mid-semester and end-semester examinations. Out of 100 marks in each subject, 40 marks are allotted for the internal assessment and 60 marks for the end semester examinations.
- At the beginning of the semester, internal mid-semester examination schedule is shared with both students and faculty members through the academic calendar. The three Mid Semester Tests (MSTs) are conducted in one semester. Each MST is of 24 marks. After the tests, the marks obtained by the students are displayed on the notice board and their performance and doubts are discussed in the classes. The two best scores from the MSTs are averaged to determine the internal assessment. The MSTs are designed to align with Course Outcomes (COs), Performance Outcomes (POs), and Performance Indicators (PIs), using the Bloom Taxonomy as per the guidelines of AICTE. Further, 06 marks are given for the attendance and 10 marks are kept for assignments and quiz.
- External theory examinations worth 60 marks are conducted at the end of each semester. The College promptly shares the schedule (date sheet) for these exams with both faculty and students once it is announced by the university.
- Practical evaluations take place during laboratory sessions, with internal examinations carrying 30 marks and external practical exams carrying 20 marks.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://bbsbec.edu.in/notice-board/">https://bbsbec.edu.in/notice-board/</a>



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

- If students have any grievances with their MST marks, they can discuss them with their respective teachers, who rectify the errors on the spot. The marks obtained by students in the MSTs are displayed on the department notice board.
- For any queries regarding the internal examination marks and end semester examination marks, such as corrections in subject marks or pending results, students can approach the Deputy Controller of Examinations via email at dcoe@bbsbec.ac.in. The college examination branch then forwards the concerns to the university and resolves the problems at the earliest.
- If a student wishes to apply for re-evaluation, reappearing in exams, or challenged evaluation, they must submit an application and pay the necessary processing fee to the university. If required, the student can also obtain a copy of the scanned answer sheet through their login. The university has its own procedure for addressing grievances, which is communicated to the students.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://bbsbec.edu.in/student-grievance-redressal-committee-2/">https://bbsbec.edu.in/student-grievance-redressal-committee-2/</a>

## 2.6 - Student Performance and Learning Outcomes

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

Programme outcomes, and course outcomes for all Programme offered by the institution are stated and displayed on the college website.

Mechanism of communication of POs, PSOs and COs to the stakeholders

- Display on the college website under each Department
- Displayed on the boards in each department
- Displayed in Class rooms and labs
- CO's are mentioned on each Mid-Semester Examination test for each subject
- Apart from this, POs and PSOs and COs are disseminated to

all stakeholders of the program through the Student Handbook

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://bbsbec.edu.in/come2016/">https://bbsbec.edu.in/come2016/</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

**Step 1:** Mapping of questions in the MSTs is done with COs of the subject.

**Step 2:** The excel sheet for calculating the attainment is prepared for every subject. The MST marks, assignment and tutorials sheet marks are filled in the respective excel sheets. The number of students above and below average (N1, N2) is obtained. The average marks of each question are also calculated. 100% achievement is considered for the students scoring above and equal to average marks and 50% achievement is considered for the students below average marks. If a student appeared in the MST but does not attempt a particular question, then he/she is marked zero in the excel sheet. With the help of the above calculated average values, the final attainment of MSTs is obtained.

**Step 3:** Further the mapping of assignments and tutorials with the course outcomes is carried out. Following the same procedure mentioned in step 2, the final attainment of assignments and tutorials is obtained.

**Step 4:** External end semester university examination results are taken for each subject. The grades/marks are filled in the prepared format in the excel sheet. Again the average of the marks is calculated and the university attainment is evaluated.

**Step 5:** To obtain the final attainment, 40% weightage is given to the internal examinations, 30% weightage is given to MSTs, 5% weightage is given to assignments and 5% weightage is given to tutorials and 60% weightage is given to university examination.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://bbsbec.edu.in/naac/2.6.2_Method_Attainment.pdf">https://bbsbec.edu.in/naac/2.6.2_Method_Attainment.pdf</a>

### 2.6.3 - Pass percentage of Students during the year

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

296

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://bbsbec.edu.in/naac/2.6.3.pdf">https://bbsbec.edu.in/naac/2.6.3.pdf</a>

### 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://bbsbec.edu.in/naac/2.7\\_SSS2022-23.pdf](https://bbsbec.edu.in/naac/2.7_SSS2022-23.pdf)

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

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

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

1

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

#### 3.1.2.1 - Number of teachers recognized as research guides

14

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

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

1

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="http://unnat.iitd.ac.in">http://unnat.iitd.ac.in</a>

## 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The Research and Innovation Centre was established on 19 December 2015. An MoU has been signed with a consulting agency through

which they assist in doing the prior research for the project. The inventor fills a Patent Information Extraction (PIE) form and the PIE form is then evaluated by the consulting agency. If the new invention is patentable then the patent is filed. After the initial filing then the full examination of the patent is done. The institute bears all the expenses, for patent filing in India and subsequent prosecution, grant and maintenance. Out of the 28 patents filed by the BBSBEC faculty and students, 18 patents are granted and 09 patents are published online to date.

As per the norms of MoE's Innovation Cell (MIC), Government of India, the college has established an Institution's Innovation Council (IIC) and the Innovation and Entrepreneurship Development Cell (IEDC) to promote the culture of innovation and entrepreneurship among students.

BBSBEC has developed a healthy research-oriented academic learning environment. The aim is to produce professionally groomed engineers and managers of tomorrow possessing academic excellence and research-oriented mindset. The efficiency competence and capability of BBSBEC faculty has fetched a research grant of more than 130 lakhs in the recent years from various govt. regulatory and funding agencies including the AICTE and DST, and others for undertaking diverse research projects. Workshops/ seminars have been conducted regularly on Intellectual Property Rights (IPR) and Industry-

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://bbsbec.edu.in/research/patents-filed/">https://bbsbec.edu.in/research/patents-filed/</a>

### **3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

#### **3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

8

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.3 - Research Publications and Awards

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

7

File Description	Documents
URL to the research page on HEI website	<a href="https://bbsbec.edu.in/list-of-phd-supervisors/">https://bbsbec.edu.in/list-of-phd-supervisors/</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

##### 3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

14

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

#### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

##### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

12

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The Institution has a good rapport with the neighbourhood community ,as there are many extension activities carried out on various social issues for the holistic development of every individual as well as for the betterment of the society . So for ,improving the village economy ,under Unnat Bharat Abhiyan by the government of india ,our college has adopted four villages ( Saddomajra, Kotla Bajwara ,Meerpur & Mahadiyan ) . A team of students and faculty along with the NSS unit of our college have been addressing the problems of these villages through surveys ,campaigns and counseling . Moreover few research projects have been proposed to overcome the problems of these villages . Along with this , different community oriented activities such as Blood donation camp, first aid workshop and seminars are organized through out the year to develop the sense of social responsibility service .

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/outreach/sensitization/">https://bbsbec.edu.in/outreach/sensitization/</a>
Upload any additional information	<a href="#">View File</a>

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

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

3



File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

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

**14**

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

**1716**

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

<b>3.5 - Collaboration</b>	
<b>3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year</b>	
<b>3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year</b>	
529	
<b>File Description</b>	<b>Documents</b>
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>
<b>3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year</b>	
<b>3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year</b>	
8	
<b>File Description</b>	<b>Documents</b>
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<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 equipment etc.	
The campus is spread over an area of 74.5 acres comprising high class buildings , classrooms with proper ventilation, well furnished laboratories, smart classrooms and Computer centre . The	

institution has state of the art infrastructure with well furnished and fully air-conditioned lecture halls with the facility of LCD Projectors/Overhead projectors. Conference rooms, seminar halls, Wi-Fi campus and free internet access are also there.

The college also provides residential facilities for the Principal, Faculty and Non-teaching staff. There are separate and spacious hostels for boys and girls (4 boys and 2 girls). For any power outage, there are two AC Generators in college sub-station of 600kVA and 320kVA respectively.

The infrastructure is augmented from time to time as per its growing needs.

#### Facility

Total Number

Total Area in Sq.m

Class Rooms

56

4260 (approx.)

Tutorial Room UG

23

800 (approx.)

Tutorial Room PG

13

400 (approx.)

Labs

88

4400 (approx.)

**Seminar Halls**

5

850 (approx.)

**Smart Class Rooms/seminar halls**

49

3640 (approx.)

**Auditorium**

01

1278

**Video Conferencing Room**

01

173

**Workshops**

07

1400

**Additional Workshops**

01

900

**Drawing Hall**

02

270

**Research lab**

04

300

Computer Centre

03

1000

Library & Reading Room

02

200

Central Library

01

1532

HOD and Dean's offices

21

370

Faculty offices

187

1870

Baba Binod Singh Hostel

1

2014(4 storey)

Baba Baj Singh Hostel

1

1747(4 storey)

Baba Deep Singh Hostel

1

1056(4 storey)

Baba Aali Singh Hostel

1

3498(7storey)

Bibi Bhani Hostel

1

2085(4 storey)

Mata Sahib Kaur Hostel

1

1337(3 storey)

Guest House

1

441

Canteen

1

671

Medical Room

1

RESIDENTIAL FACILITIES -

Principal Residence

Type D flats

Type C flats

Type B flats

Type A flats

1

12

24

32

08

Independent House

3BHK (Ground+1)

2BHK(Ground+2)

2BHK(Ground+1)

2BHK(Ground+1)

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://bbsbec.edu.in/college-virtual-tour/">https://bbsbec.edu.in/college-virtual-tour/</a>

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

**Outdoor Games** -The institute has state of the art playgrounds for various outdoor sports activities like Cricket, Football, Basketball, Volleybal ,Hockey and Lawn-tennis.Apart from the playgrounds we have well groomed Athletics Standard Track.

**Indoor Games** - The indoor games at our college provide facilities



for Table-tennis, Badminton and other indoor games. Students can enjoy a game of Carrom, engage in a battle of minds by playing Chess.

Swimming Pool -There is indoor swimming pool in the campus of standard size meeting all the norms.

Gymnasium and Yoga Centre - Well equipped Gymnasium is available within campus for students as well as faculty for regular exercise. To enrich the students and faculty with spiritual feeling there is separate Yoga Centre in the campus.

S. No

Games

Facility

Available

Area

(in m<sup>2</sup>)

Year of Establishment

OUTDOOR GAMES

1

Basketball(M/W)

Sports Stadium

38x15

2004

2

Cricket Ground(M)

Sports Stadium

137

2004

3

Volleyball Court(M/W)

Sports Stadium

18x9

2004

4

Handball Ground

Sports Stadium

40x20

2004

5

Football (M)

Sports Stadium

110x75

2004

6

Hockey (M/W)

Sports Stadium

91.4x55

2004

7

Kabaddi (M)

Sports Stadium

13x10

2004

8

Lawn Tennis(M/W)

Sports Stadium

23.77x10.97

2004

9

Athletics Standard Track

Sports Stadium

400 m

2004

INDOOR GAMES

10

Table Tennis

Gymnasium

Boys Hostel(common room)

Girls Hostel(common room)

14x7

2004

11

Carrom

Bhai Gurdas Block

NA

1997

12

Chess(M/W)

Bhai Gurdas Block

NA

1997

13

Badminton(M/W)

Gymnasium

13.4X10

1997

GYMNASIUM and YOGA CENTRE

14

Gymnasium

Fitness Centre

36.5x8.90

2008

15

Yoga Centre

Fitness Centre

2008

16

Swimming Pool (M/W)

Fitness Centre

25.6X17.5

2008

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://bbsbec.edu.in/sports-achievements/">https://bbsbec.edu.in/sports-achievements/</a>

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

49

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

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

378.27

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

Foreseeing the imminent push towards digitization, the BBSBEC library had become fully automated back in 2007. The BBSBEC library uses the cutting-edge Software for University Libraries i.e., SOUL 2.0 which was developed by INFLIBNET, Ahmedabad. The software consists of the following modules:

1. Acquisition module
2. Catalogue module
3. Circulation module
4. Administration module
5. Serial Control module
6. Online Public Access Catalogue

The multi-purpose Circulation module is arguably the most crucial of all as it performs a variety of functions such as:

1. Transactions
2. Inter-Library Loans
3. Membership
4. Reminders
5. Search Status

**6. Report Generation****7. Overdue Charges****8. Maintenance of items**

One of the most cumbersome tasks in a library is the management of serials. But the serial control module solves this problem. It keeps track of serials in an efficient manner. This module has been developed based on the KARDEX system

An Online Public Access Catalogue (WEBOPAC) has been created (<http://192.168.24.220/webopac>) to facilitate the use of library resources. OPAC provides a highly advanced search facility which can function on the basis of a minimum amount of information about the item. One only needs to mention any one or two of the following categories in order to search for an item: author, title, corporate body, conference name, subject headings, keywords, class number,

series name and accession number. Furthermore, OPAC users can export their search results into PDF, MS Excel, and MARCXML format.

Name of the Software: SOUL

Nature of Automation: Fully Automated

Version: 2.0

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

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

##### 4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

2.57

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
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 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

##### 4.2.4.1 - Number of teachers and students using library per day over last one year

246

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

No higher education institute can survive without a robust IT infrastructure. It equips the students with practical skills which enhances their employability. Keeping these points in mind, BBSBEC has prioritised the regular updating of a highly effective and comprehensive IT infrastructure. Currently, college has upgraded



its internet bandwidth speed to 200 MBPS on 14/7/2022. The college has 908 desktop computers, which are connected through 200 Mbps wired and Wi-Fi internet. IT Technical support team of five members headed by Dr. Jatinder Singh Saini monitors and maintains the hardware, software as well as the network issues. This team is also responsible for installing and configuring computer systems, diagnosing hardware and software faults, and managing the operation of computer centre (CC), college network and computer labs. College has an extensive campus-wide network connecting all the major buildings, departments, faculty residences and hostels. This network is based on Optical fibre backbone and Gigabit Ethernet technology. Currently, around 900 machines are connected to this network throughout the campus. In order to enhance connectivity throughout the campus, around 250 wireless access points (802.11g) have been installed at various places.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://bbsbec.edu.in/desktop-computers-and-network-components-detail/">http://bbsbec.edu.in/desktop-computers-and-network-components-detail/</a>

#### 4.3.2 - Number of Computers

908

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

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

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

65.38

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

**Maintenance of Physical Facilities** The institute has site department comprising site engineer as in-charge of the section. It also consists of supporting staff to assist the site engineer. If necessary contractual staff is employed in addition to regular staff. The routine maintenance of the campus is looked after by this section. Construction and refurbishment of works at individual departments and central common facilities are planned and executed through site department. For the major works consultation from external professional agencies are taken for design and supervision of civil works. **Maintenance of Academic Facilities** All the departments are equipped with multimedia projectors and every classroom is equipped with LCD projector along with wired/wireless internet connection. **Maintenance of Supporting Facilities** Laboratory equipment are maintained through AMC with supplier. However, if the equipment is in need of calibration or repairs if any, service provider is consulted for such works. Qualified technicians are appointed for the maintenance of laboratory equipment's and qualified electricians are appointed to look after the electricity problems. T

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://bbsbec.edu.in/standard-operating-procedure/">https://bbsbec.edu.in/standard-operating-procedure/</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

472

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

458

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>A. All of the above</b>
File Description	Documents
Link to Institutional website	<a href="https://bbsbec.edu.in/capability-enhancement-and-development-schemes/">https://bbsbec.edu.in/capability-enhancement-and-development-schemes/</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>1235</b>	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>1235</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>
<b>5.1.5 - The Institution has a transparent</b>	<b>A. All of the above</b>

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 5.2 - Student Progression

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

#### 5.2.1.1 - Number of outgoing students placed during the year

65

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

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

#### 5.2.2.1 - Number of outgoing student progression to higher education

15

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of student progression to higher education	<a href="#">View File</a>

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

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

4

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

**5.3 - Student Participation and Activities**

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

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

4

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

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

BBSBEC strongly believes that progress is not possible without the involvement of its stakeholders. BBSBEC has established a two tier Student Council at each department level, consisting of SAC & SAdC. The student committees are formed for looking after extracurricular activities and academic events throughout the year.

Role of Student Academic Council (SAC)

The various roles of student academic council are as follows:

1. Provide feedback and suggestions regarding the timetable and content of various subjects.
2. Obtain and provide students feedback on each subject delivery and quality of instructions
3. Bring to the notice of the chairperson any immediate problem being faced by the student.
4. Discuss and suggest any changes keeping in view the industry requirements.

Role of Student Administrative Council (SAdC)

The various roles of student academic council are as follows:

1. Provide feedback and suggestions regarding the administrative issues in the academic complex and improvement of various facilities.
2. Bring to the notice of the chairperson any problem regarding administration being faced by the students.
3. Ensure passage and implementation of admin instructions

issued by the faculty/ HOD/ Principal.

Apart from the Student Councils, there are some other professional bodies such as ISHRAE, ISTE, SAE and IEI in which students are playing an active role.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/5.3.2.pdf">https://bbsbec.edu.in/naac/5.3.2.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

9

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

## 5.4 - Alumni Engagement

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

BBSBEC ALUMNI ASSOCIATION has been registered as a Society under the Societies Registration Act 1860 on July 16, 2020. The association executive members meet on regular basis in the College, have interactions with the College Principal, HoDs, Deans, faculty and students. They discuss the plan to conduct the alumni activities and development of their alma mater. The alumni of the institution willingly contribute by promoting the institutional brand; providing mentorship to on-going students; facilitating internships, career opportunities, job placement for



outgoing students and so on. The institution alumni have deep love and regard for the institute and hence are always passionate to extend all sort of contribution for growth of institute, staff and students. Alumni with their strong linkage across industry verticals play an important role in student internships mock interviews and placements. Realizing the importance of Social media in this high-tech age, BBSBEC Alumni cell has created its own LinkedIn and Facebook pages. [Linkedin.com: [https://www.linkedin.com/home?trk=nav\\_responsive\\_tab\\_home](https://www.linkedin.com/home?trk=nav_responsive_tab_home)] And college LinkedIn page: <https://www.linkedin.com/school/15098533/admin/> [facebook id BBSBEC Alumni page : <https://www.facebook.com/alumnicell.bbsbec>] And college facebook page: <https://www.facebook.com/theofficialBBSBEC> [facebook page: Baba Banda Singh Bahadur Engineering College Alumni Page]

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

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

D. 1 Lakhs - 3Lakhs

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

**GOVERNANCE, LEADERSHIP AND MANAGEMENT**

**6.1 - Institutional Vision and Leadership**

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

The College aspires to emerge as a premier hub of education, committed to fostering academic excellence and nurturing socially responsible and collaborative leaders. Its governance mirrors this vision, placing a strong emphasis on high morals, values, and inclusivity for both staff and students, regardless of their backgrounds. Adhering to the Strategic Plan, medium and long-term issues are typically deliberated upon in Higher Forum (HF) meetings and subsequently presented to the Secretary of the Trust for further consideration in the Board of Governors (BOG) or College Trust. The BOG aligns its decisions with the college's

Strategic Plan during biannual meetings, with detailed minutes forwarded to the Principal for implementation through various action plans overseen by the IQAC. Operational matters are addressed at the Principal level in consultation with the HF. Regular meetings are conducted to address routine college affairs, and each department convenes an Extended Forum (EF) with periodic sessions. Feedback and issues raised in EF meetings are reported to the HF by department heads. After thorough deliberation, decisions are either promptly made by the Principal in consultation with HF members or referred to the Management for resolution, considering recommendations from all relevant stakeholders.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/6.1.1.pdf">https://bbsbec.edu.in/naac/6.1.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The Management actively promotes staff engagement in various committees, including IQAC, Clubs/Professional Societies, Academic Committees, and Grievance Redressal Committees, aiming to ensure the quality assurance, enhancement, and overall development of activities within the College. Decentralized forums handle operational issues, and decisions are grounded in participative management principles. An integral annual undertaking is the formulation of the college budget, following a systematic process. In January/February each year, the Principal requests Higher Forum (HF) members to compile and submit budget proposals for the upcoming fiscal year. Each HF member then solicits budget proposals from staff within their respective department/section. Collaboratively, lab/club/cell incharge, along with relevant staff, propose budgetary needs for the ensuing fiscal year. HF members engage in discussions, compiling and consolidating budgetary requirements for their specific department/section. The HF meeting serves as a platform for deliberating these budgetary needs. Subsequently, the Principal consolidates the budgetary requirements for the entire college, presenting it to the Board of Governors (BOG) or College Trust through the Secretary (Trust) for ultimate approval. The BOG/College Trust, in turn, scrutinizes and approves the annual budget during its convened meeting.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/6.1.2.pdf">https://bbsbec.edu.in/naac/6.1.2.pdf</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Given the prevailing trends in admission, the current Strategic Plan (2020-2025) of the college was formulated in 2019-20, strategically addressing crucial areas to ensure the sustained development of the institution. The Strategic Plan pinpointed key focus areas, encompassing Academic Processes, Student Development, Branding & Marketing, Industry-Institute Interaction, Human Resource, Infrastructure, Governance, and Building Relationships. A notable case study within the plan emphasized the imperative of enhancing student employability. Recognizing the need to broaden students' skill sets beyond technical expertise, the plan advocated training in soft skills, quantitative aptitude, and general knowledge. To facilitate students in acquiring multidisciplinary knowledge, the introduction of major and minor degrees into the university curriculum became pivotal. College faculty actively participated in the university's Board of Studies, advocating for the adoption of major and minor degrees. As a result, students across all B.Tech. branches now have the flexibility to pursue a minor degree alongside their primary degree program, offering them a diversified educational experience. This initiative aligns with the strategic vision of the college to empower students with a well-rounded skill set for enhanced employability.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/6.2.1.pdf">https://bbsbec.edu.in/naac/6.2.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

Assuming a leadership role in the governance of the college, the principal takes guidance from the Board of Governors (BOG) and proposes new initiatives aligned with the Strategic Plan to the top management. The implementation of formulated policies occurs through the collaborative efforts of the college faculty and staff at all levels, facilitated by the Higher Forum. Deans play a pivotal role in overseeing various facets of the college, encompassing academics, examinations, research, training and placement, industrial relations, and co-curricular activities. Their close collaboration with departmental faculty ensures the effective execution of plans and coordination as required. The Professor-in-Charge of Administration is tasked with supervising and managing medical facilities, security, transportation, the college store, and establishment-related matters. Senior wardens, alongside assistant wardens and caretakers, are entrusted with the formulation and implementation of hostel policies, rules, and regulations, overseeing the smooth functioning of the hostels. The estate office is responsible for the management and maintenance of all construction projects and general upkeep. Various committees, each operating according to Standard Operating Procedures (SOPs) and prescribed guidelines, have been instituted to handle specific statutory and other tasks, ensuring the fulfilment of their assigned responsibilities.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="https://bbsbec.edu.in/wp-content/uploads/2023/05/AQAR_6.2.2_WBSL_Organogram2021-22.pdf">https://bbsbec.edu.in/wp-content/uploads/2023/05/AQAR_6.2.2_WBSL_Organogram2021-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The institution has implemented comprehensive welfare measures for both teaching and non-teaching staff, demonstrating a commitment to their well-being. The existing welfare measures encompass a range of benefits and services aimed at fostering a supportive and conducive working environment. For teaching and non-teaching staff, the institution provides following benefits: Group Health Insurance (GIS) On- Campus Accommodation Computing facilities to all faculty members Bus service Creche Recreational facilities for staff & their families: Swimming Pool, Gymnasium, Sports Rest/Guest House Dispensary Provident Fund as per approved norms Study Leave, Special Leave, Medical, Maternity and other Leaves Gratuity as per government norms Independent offices / cabins to all faculty members. Provision of advance in case of critical medical treatment. Collectively, these welfare measures underscore the institution's commitment to the holistic well-being of its teaching and non-teaching staff, reflecting a proactive approach to creating a supportive and enriching workplace environment.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/6.3.3.pdf">https://bbsbec.edu.in/naac/6.3.3.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

0

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

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

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

7

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

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

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

97

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

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

BBSBEC's Management, known for its dedication to education as part of its social responsibility, acknowledges the vital role of human resources and extends both moral and financial support to the college staff. The institution has instituted a comprehensive annual appraisal system for its staff members. This well-structured appraisal system is strategically designed to inspire active participation from staff, encouraging them to engage with each criterion and facilitating personal growth. Performance appraisals are conducted in advance of the annual increment for regular employees and the renewal of contracts for contractual staff. The staff performance appraisal is delineated into two distinct systems: one tailored for faculty members and another for non-teaching staff. For the annual appraisal of Class III and Class IV employees, specific criteria are employed, and the reporting officer completes the performance appraisal form. In all instances, the Principal assumes the responsibility for the final assessment, ensuring a fair and equitable evaluation process. This approach underscores the commitment of BBSBEC's Management to fostering a supportive and growth-oriented environment for the college staff, aligning with their ethos of social responsibility in education.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/6.3.4.pdf">https://bbsbec.edu.in/naac/6.3.4.pdf</a>
Upload any additional information	<a href="#">View File</a>



**6.4 - Financial Management and Resource Mobilization**

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

The organization has implemented a comprehensive auditing framework that engages both internal and external auditors. Periodically, Internal Audit is conducted by individuals appointed by the principal, and their reports are acquired before the external audit, typically conducted after the completion of all accounting procedures. Throughout the Internal Audit process, meticulous steps are taken to scrutinize accounts and secure confirmations for credit balances. Where discrepancies in payments, compliance with TDS regulations, and statutory requirements are identified, documentary evidence is gathered. Subsequent to the Internal Audit, Statutory Auditors appointed for this purpose carry out the External Audit, typically post-June 30th of the following year. The auditors furnish a conclusive audit report to the management, incorporating their discoveries. The audit findings from both the institution and the trust are amalgamated, and the annual returns are submitted to the Income Tax Authorities. The latest audit report was issued on. Moreover, in addition to routine college accounts, whenever funds are received for various activities, an audited utilization certificate is dispatched to the funding agency. This measure ensures transparency and accountability in the utilization of funds.

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

**6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)****6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

514



File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

Being a self-financing institution, the primary revenue stream for the college is derived from student fees. Admissions adhere to approved intake levels and norms established by the Punjab Government. Beyond tuition fees, the college generates income through various channels, including research and travel grants, as well as grants for organizing both curricular and co-curricular activities. Additionally, the college augments its funds by permitting external entities such as the National Testing Agency (NTA), local government departments, PCERT, and Chandigarh to utilize its infrastructure for their respective purposes. This strategic collaboration not only provides supplementary financial support but also optimizes resource utilization. Resource allocation within the college is carefully managed to ensure optimal utilization. With the majority of infrastructure already in place, major expenditures are directed towards staff salaries, utility bills, maintenance, student development initiatives (encompassing personality enhancement programs, training and placement efforts, cultural and sports events, projects, etc.), student scholarships, faculty development, consumable goods, statutory charges, waste management, and green initiatives. By prioritizing these areas, the college aims to effectively manage resources, enhancing the overall learning and development experience for students, supporting faculty growth, maintaining a sustainable and environmentally friendly campus, and fulfilling statutory obligations.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/6.4.3.pdf">https://bbsbec.edu.in/naac/6.4.3.pdf</a>
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

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

**Self growth and development at students level:**The college places a paramount focus on fostering the self-growth and development of its students. Recognizing the importance of individual progress, the institution has cultivated an environment that encourages students to explore their full potential and embark on a journey of personal enrichment. The emphasis on self-growth extends beyond academic achievements, encompassing various facets of students' lives.

Through a holistic approach to education, the college seeks to empower students with the tools and mindset necessary for lifelong learning and success. This commitment to personal development is woven into the fabric of the academic curriculum, extracurricular activities, and support services provided. The goal is to cultivate not only knowledgeable individuals but also well-rounded, resilient, and adaptable citizens.

**Professional and ethical sensitivity:**The college places a profound emphasis on instilling professional and ethical sensitivity in its students, recognizing the pivotal role these qualities play in shaping responsible and successful individuals. Rooted in a commitment to nurturing socially responsible professionals, the institution integrates ethical considerations into its academic programs and cultivates an awareness of the broader implications of professional actions.

Beyond theoretical understanding, practical experiences and case studies are utilized to develop a heightened sensitivity to ethical dilemmas that may arise in professional settings.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/6.5.1.pdf">https://bbsbec.edu.in/naac/6.5.1.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities. (For first cycle-Incremental improvements made for the preceding year with regard to quality)

For second and subsequent cycles- Incremental improvements made for the preceding year with regard to quality and post accreditation quality initiatives)

Patents:The institution's robust culture of innovation permeates every aspect of academic life, motivating both faculty and students to engage actively in patent filings and related activities. This culture is nurtured through various channels, starting with leadership support that recognizes the significance of intellectual property protection in advancing research outcomes.

IIC Activities :The Institution Innovation Cell (IIC) stands as a cornerstone of the institution's commitment to fostering a culture of innovation among students, leveraging its strengths to drive impactful outcomes. One of its key strengths lies in its diverse array of initiatives aimed at nurturing creativity and entrepreneurship among students.

Regular events, including webinars and expert lectures, serve as platforms for knowledge exchange, exposing students to cutting-edge ideas and industry best practices. These sessions not only inspire innovation but also provide practical insights into various domains, equipping students with the skills and knowledge necessary to thrive in the ever-evolving landscape of innovation.

File Description	Documents
Paste link for additional information	<a href="https://bbsbec.edu.in/naac/6.5.2.pdf">https://bbsbec.edu.in/naac/6.5.2.pdf</a>
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC);**

A. All of the above

**Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://bbsbec.edu.in/naac/6.5.3.pdf">https://bbsbec.edu.in/naac/6.5.3.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<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

Baba Banda Singh Bahadur Engineering College gives priority to gender equality in all stages of its operation. One of the objectives of this institution is to promote education that would be sensitive to the needs of the various sections of society with special emphasis on gender equality and gender sensitivity. The college takes pride in its commitment to maintain a working and learning environment that is free of intimidation, fear, bullying, revenge, retaliation in which students, faculty and staff can develop intellectually, professionally, personally, and socially. The institute addresses any act of indiscipline at all levels seriously and necessary corrective measures /actions are taken at the earliest.

College makes efforts to maintain gender balance at all levels and amongst faculty members also. Some of the departments are also headed by Women professors. Female teaching and non-teaching faculty are also reasonable in number as compared to other gender. The women staff members are given maternity leave as per the regulations. They are provided with full salary during the said leave period to encourage their service to the institution. Their employment service is also accounted during their maternity leave.

File Description	Documents
Annual gender sensitization action plan	<a href="https://bbsbec.edu.in/gender-sensitisation/">https://bbsbec.edu.in/gender-sensitisation/</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://bbsbec.edu.in/gender-sensitisation/">https://bbsbec.edu.in/gender-sensitisation/</a>
<b>7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment</b>	<b>A. 4 or All of the above</b>
File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>
7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management	
<p><b>Solid Waste Management</b></p> <p>After collecting the waste from all around the college, waste segregation has been done into dry waste and wet waste. Dry waste includes paper, cardboard, glass tin cans etc. Wet waste on the other hand, refers to organic waste such as vegetable seeds, left-over food etc. Separating our waste is essential as the amount of waste being generated today causes immense problems. Household waste are separated daily into different bags for the different categories of waste such as wet and dry waste, which are disposed off separately.</p> <p><b>Liquid Waste Management</b></p>	

A sewage treatment plant is operational near the swimming pool since May, 2015 and the capacity of the plant is 700m<sup>3</sup>/day. Sewage Treatment Plant is well-maintained by the College and functions efficiently.

#### E-Waste Management

The institute follows the E-Waste management policy of the state under the Environment (Protection) Act, 1986 (29 of 1986). To tackle with E-Waste, college has signed MOU with RAMKY ENVIRO ENGINEERS LTD. RAMKY is the operating facility for collection, transportation, dismantling, refurbishing and disposal of the E-Waste at Village Nimbua, The Derabassi, Dist Mohali, Punjab Authorised by Punjab Pollution Control Board..

#### Waste Recycling System

The Campus waste recycling system consists of Solid waste management, liquid waste management and E-waste management in which recyclables are being diverted from the environmental waste to useful product.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

<p><b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b></p> <ol style="list-style-type: none"> <li><b>1.Restricted entry of automobiles</b></li> <li><b>2.Use of bicycles/ Battery-powered vehicles</b></li> <li><b>3.Pedestrian-friendly pathways</b></li> <li><b>4.Ban on use of plastic</b></li> <li><b>5.Landscaping</b></li> </ol>	<p><b>A. Any 4 or All of the above</b></p>										
<table border="1"> <thead> <tr> <th data-bbox="86 568 539 631">File Description</th> <th data-bbox="539 568 1436 631">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 631 539 734">Geo tagged photos / videos of the facilities</td> <td data-bbox="539 631 1436 734" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="86 734 539 878">Various policy documents / decisions circulated for implementation</td> <td data-bbox="539 734 1436 878" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="86 878 539 940">Any other relevant documents</td> <td data-bbox="539 878 1436 940" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>	File Description	Documents	Geo tagged 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	<a href="#">View File</a>			
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Any other relevant documents	<a href="#">View File</a>										
<p><b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b></p>											
<p><b>7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities</b></p>	<p><b>B. Any 3 of the above</b></p>										
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Any other relevant information	<a href="#">View File</a>										
<p><b>7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and</b></p>	<p><b>A. Any 4 or all of the above</b></p>										



**facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**  
**5. Provision for enquiry and information :**  
**Human assistance, reader, scribe, soft copies of reading material, screen reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The College welcomes students from all religious, caste, and creed backgrounds, regardless of their state or location. This inclusive environment fosters diversity and mutual respect among students. Students are encouraged to participate in various group-based academic, athletic, and cultural events. This promotes collaboration, teamwork, and a sense of belonging among students from diverse backgrounds. National gatherings are organized to foster student unity, while educational tours are designed to expose students to diverse areas, promoting unity in diversity. These experiences broaden students' perspectives and help them appreciate different cultures and traditions. The college offers a wide range of courses catering to different segments of society, aiming to impart value-based education. This education focuses on instilling ethical principles, social responsibility, and citizenship, contributing to nation-building efforts. Through activities like NSS (National Service Scheme) and NCC (National Cadet Corps), the college engages in outreach programs within the community. These initiatives allow students to contribute to society while developing leadership and communication skills. The college facilitates value system development through extension lectures and organizes industrial and educational visits across different sectors. These experiences enhance students' practical knowledge, critical thinking abilities, and professional skills.



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>
Any other relevant information	<a href="#">View File</a>

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

Baba Banda Singh Bahadur Engineering College sensitizes the students and the employees of the institution to the constitutional obligations of values, rights, duties, and responsibilities of citizens, which transforms them into responsible citizens.

Apart from imparting quality technical education to students. The institute organizes various events and activities to impart moral values, and responsibilities and educate the students and employees to become responsible citizens by sensitizing them to the constitution of the country and to give back to society.

The students and employees are motivated to take part in various constitutional obligations events like blood donation camps, International Women's Day celebrations, "World Telecommunication & Information Society Day" and NCC Day. The institute also organizes various motivational webinars/seminars/expert talks on "Understanding Harmony and Professional Ethics", Nutrition Awareness Program Along with Fitness Drive, "How to Manage Your Mental Stress", "Ways to Improve Mental Health", "Emerging Trends in Engineering Design & Technology" and "Problem-Solving and Idea Generation" to make them aware and encourages them to spread the moral and constitutional values back to the mankind.

The affiliated university curriculum is framed with mandatory courses like Professional ethics and human values and the Constitution of India, to inculcate constitutional obligations among the students.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://bbsbec.edu.in/wp-content/uploads/2022/03/7.1.9Additional_Document2022-23.pdf">https://bbsbec.edu.in/wp-content/uploads/2022/03/7.1.9Additional_Document2022-23.pdf</a>
Any other relevant information	<a href="https://bbsbec.edu.in/outreach/sensitization/">https://bbsbec.edu.in/outreach/sensitization/</a>

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

**B. Any 3 of the above**

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 programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**The Institution celebrated World Theatre Day on 23rd March 2023. It was initiated in 1961 by the International Theatre Institute (ITI), a UNESCO-affiliated organization. The day aims to promote the importance of theatre and its cultural significance worldwide.**

**The Institution celebrated International Day of Happiness on 22nd March 2023. The International Day of Happiness was established by the United Nations in 2012 to recognize the importance of**

happiness and well-being as universal goals for all human beings.

The Institution celebrated Women's Day on 8th March 2023. Mrs Kamal Bajwa was the eminent speaker of the day. International Women's Day is a global day celebrating the social, economic, cultural, and political achievements of women.

Indian Army Day was celebrated on 15th January 2023 in the college auditorium. Indian Army Day commemorates the day in 1949 when Field Marshal Kodandera M. Cariappa became the first Indian Army officer to take command of the Indian Army

National Unity Day is celebrated is celebrated in the college on 31th Oct 2022. It is also known as Rashtriya Ekta Diwas, it is commemorates the birth anniversary of Sardar Vallabhbhai Patel, who played a crucial role in the unification of India after independence.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

The Mentor-Mentee System aims to cultivate a trusted relationship, guiding mentees to achieve their goals by fostering effective relationships, providing objective guidance, and encouraging reflective thinking. During the formative period, mentors play a pivotal role in helping mentees apply acquired knowledge, skills, and attitudes in practical settings. By sharing experiences, mentors alleviate anxiety, acting as role models for personal and professional growth. Serving as a 'Single Point of Contact' for parents, mentors ensure open communication. This practice hinges on principles of trust, support, and mentorship, emphasizing the holistic development of mentees through both formal and informal interactions.

The objective of PDP is to provide in-campus online and offline personality Development Program. This programme provides a space for the students to know themselves (know thyself) better and shape their personality with positive traits and multiple intelligence. The central focus of this formation programme is intra-personal development. The students will undergo

Intellectual and values-centered formation through which they will be able to: identify their own potentials and limitations; apply ethical and moral principles in personal and professional forefronts; and develop a positive outlook towards humanity.

File Description	Documents
Best practices in the Institutional website	<a href="https://bbsbec.edu.in/best-institutional-practices/">https://bbsbec.edu.in/best-institutional-practices/</a>
Any other relevant information	<a href="https://bbsbec.edu.in/naac/7.2.1_attendance_23.pdf">https://bbsbec.edu.in/naac/7.2.1_attendance_23.pdf</a>

### 7.3 - Institutional Distinctiveness

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

To evolve as a distinguished Center of Learning committed to providing career-focused technical training aimed at excellence in interdisciplinary education, research, and innovation, thereby cultivating socially responsible and globally-minded leaders. The uniqueness of Baba Banda Singh Bahadur Engineering College lies in fostering a research-centric environment that prioritizes both students and faculty. We actively encourage faculty, as well as undergraduate and postgraduate students, to engage in research and innovative practices. To nurture scholarly attributes, the institute advocates for research involvement at the undergraduate and postgraduate level under faculty guidance. In order to foster a vibrant research atmosphere, we have established a well-equipped research center within the college. Our faculty not only mentors students but also collaborates closely with them, providing a platform for aspiring researchers. This collaborative effort has resulted in the development of patents, research publications, and projects, as well as participation in competitions at prestigious institutions such as IITs and NITs. The hallmark of undergraduate research at BBSBEC is characterized by traits such as responsibility, persistence, synthesis, analysis, thoroughness,

teamwork, leadership, commitment, patience, perspective-taking, and ethical behavior. Recognizing the importance of instilling these values early on, students are encouraged to actively participate in ongoing research activities at the college with enthusiasm and dedication.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

For the next academic year, institute will focus on interdisciplinary research by encouraging faculty members to pursue research grants and collaborations with industry partners. Various seminars, workshops, and conferences will be organized to promote research dissemination, The undergraduate research initiatives will be supported by providing mentorship, more funding opportunities and expanding student clubs to organize technical competitions, hackathons, and innovation challenges to stimulate creativity and problem-solving skills. To enhance students' employability, career development workshops, internship and entrepreneurship opportunities will be offered. The institute aims to enhance professional development opportunities for faculty members through workshops, seminars, and conferences and support faculty research endeavors through grants, sabbaticals, and incentives for publication in reputable journals and encourage them to participate in pedagogical training programs to enhance teaching effectiveness and student engagement. The institute plans to increase investment in upgrading laboratory facilities, equipment, and software to support teaching and research activities along with improving campus infrastructure, classrooms, libraries, and recreational areas, to enhance the overall learning environment. More measures for energy efficiency, sustainability, and safety across campus facilities will be implemented. The institute will engage with the local community through outreach programs, and host industry-academia interaction sessions, alumni networking and career fairs to facilitate student placements. Institute will conduct regular reviews and assessments of academic programs to ensure compliance with accreditation standards and quality benchmarks and establish mechanisms for collecting feedback from students, faculty, and industry stakeholders to continuously improve program outcomes.