YEARLY STATUS REPORT - 2021-2022

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

• Financial Status	**Self-financing**
• Name of the Affiliating University	**IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR**
• Name of the IQAC Coordinator	**DR AMANPREET SINGH SETHI**
• Phone No.	**9855043335**
• Alternate phone No.	**9872988729**
• Mobile	**9872988729**
• IQAC e-mail address	**APS.SETHI@BBSBEC.AC.IN**
• Alternate Email address	**NAAC@BBSBEC.AC.IN**
3.Website address (Web link of the AQAR (Previous Academic Year)	http://bbsbec.edu.in/naac/
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://bbsbec.edu.in/academic-calendar/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.15**	**2021**	**16/03/2021**	**15/03/2026**

6.Date of Establishment of IQAC	**09/02/2018**

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	**Nil**	**Nil**	**Nil**	**Nil**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	View File

9.No. of IQAC meetings held during the year	3	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
• If yes, mention the amount		

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

AUGMENTATION IN RESEARCH AND INNOVATION ACTIVITIES AND PROMOTIONAL ACTIVITIES OF TECHNICAL STUDENTS CLUBS
BOOSTING OF PLACEMENT ACTIVITIES AND PLACEMENTS IN GOOD(INCLUDING TIER 1) COMPANIES AND ORGANISED SOFT SKILLS AND PERSONALITY DEVELOPMENT PROGRAMMES FOR STUDENTS.
STRENGTHENING OF THE MENTOR-MENTEE SYSTEM 7. ORGANISED SOFT SKILLS AND PERSONALITY DEVELOPMENT PROGRAMMES FOR STUDENTS. 8. CONDUCTED ACADEMIC AUDIT EACH SEMESTER FOR MAINTAINING STANDARDIZATION IN ACADEMICS. 9.
CONDUCTED ACADEMIC AUDIT EACH SEMESTER FOR MAINTAINING STANDARDIZATION IN ACADEMICS.
COLLABORATIONS THROUGH MOUS AND MEMBERSHIP WITH PROFESSIONAL BODIES.

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

Plan of Action	Achievements/Outcomes
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.

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

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	**25/01/2023**

15.Multidisciplinary / interdisciplinary

Baba Banda Singh Bahadur Engineering College has always strived for a multidisciplinary approach in its academic as well as co-curricular 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. Currently, BBSBEC is in the process of revision of its curriculum for students admitted in session 2021-22 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 have already implemented for our students to take online courses through online mode through National Schemes like SWAYAM, NPTEL, etc, and are considering credits earned against elective courses. Revision of the curriculum has been started for the year 2021. These revisions are applicable for students admitted in session 2021-22 and onwards. We are in the process of developing a system for executing ABC in the true spirit. The following plan and preparation will be made of the institution for 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 personnel to acquaint them with the process of Academic Bank of Credits and to manage the same.
4. In case of transfer of students to any other Institution/ University across the nation, a mechanism be devised to address the grievances of students related to credit transfer.
5. The faculties in the institution are encouraged to design their own pedagogical approaches within the approved framework of the University by incorporating case studies,

presentations, role play, quizzes, assignments, etc.

17. Skill development:

Besides the custom education, Institute offers skill development courses such as B.Voc, Human Values, and Constitution of India, to make students technically and mentally skillful. 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. The subject also imparts knowledge about the key features of the structure and constitution of the Indian government. The students get awareness about the basic differences 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 this subject is to ensure domestic tranquility, common defense, 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. Besides this, the course helps in decreasing crimes as students are able to differentiate between wrong and right. On top of this, proper counseling is also being provided to students having mental issues.

The Institution made an attempt to ensure continued learning by enrolling students in Self-paced learning programs offered through the available online platform. Students have taken up this opportunity to get themselves upskilled through various Online

portals. The college has continued a hybrid mode of learning post-pandemic with the objective of continued holistic learning.

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 will always refer to what they already know from their first language when 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 started a language club at a college campus.

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 the texts of different kinds are done and expressed in their own language. 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 an agency. 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 center for offering various courses in ODL mode and as its regional center for offering PG/Ph.D program. Institute has successfully imparted all its courses' content delivery in online mode during the Pandemic

(COVID-19) and also conducted online examinations successfully by using our own team developed by our own team.

Extended Profile

1.Programme

1.1	**550**
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<u>View File</u>

2.Student

2.1	**1330**
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	<u>View File</u>

2.2	**147**
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<u>View File</u>

2.3	**314**
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<u>View File</u>

3.Academic

3.1	**156**
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	**156**

File Description	Documents
Data Template	View File

4.Institution	
4.1 Total number of Classrooms and Seminar halls	**61**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**238.27675**
4.3 Total number of computers on campus for academic purposes	**904**

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 with the University of IKGPTU, Jalandhar, and prepares a well-planned programme at the beginning of each academic session:

- **Institute follows the academic calendar provided by the University, which is discussed in Higher Forum Meetings. Then college academic calendar is designed by Dean Academics and Dean Examination, which is also mentioned in Higher Forum Meetings and reported to IQAC. The department meetings are conducted in each department for effective planning and implementation of the curriculum. The points discussed in department meetings are:**
  - **dissemination of the college academic calendar**
  - **distribution of subjects among faculty**

- - design of timetable by the time-table committee of each department
  - **Each faculty member maintains student attendance and a continuous evaluation record book and prepares lesson plans, assignments, tutorial sheets, and course files for effective course delivery. Apart from chalk and talk methods, ICT-enabled teaching-learning methods including Google Classroom, Google Meet, PowerPoint Presentations, etc. are used. The College encourages its faculty members to participate in Faculty Development Programmes/Workshops/ Seminars organized by the University or other institutes so as to update their knowledge and improve teaching practices. The Institution provides great books and other teaching and reference materials like journals, magazines, e-journals, and software to enable teachers to ensure the effective delivery of the curriculum.**
  - **Webinars/Seminars, Industrial visits, and special lectures by experts/resource persons are arranged regularly for the benefit of the students through online and offline modes.**

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

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

- **The academic calendar of the college has been prepared to take 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 mentioned in Higher Forum Meetings and reported to IQAC. The college academic calendar is disseminated to faculty through Heads of the department. The new session is commenced and mid-semester tests (MSTs) are conducted as per the academic calendar schedule. Date sheets of all MSTs are disseminated to faculty through emails via Deputy Controller Examinations and sent to students through faculty. In case the dates of mid-semester tests are required to be rescheduled due to any un-avoidable circumstances, the same is intimated to faculty by Deputy Controller**

Examinations/Principal, and related information is conveyed to the students by faculty

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

1.1.3 - Teachers of the Institution participate in **A. All of the above** **following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

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

1.2 - Academic Flexibility

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

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

9

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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

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

7

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

958

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

Response:

• **All the departments in the institute have courses in the curriculum that deal with significant 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 the UG level of college.**

• **There are full-credit courses that are compulsory for UG students to provide awareness about cross-cutting issues like gender, environment sustainability, human values, and professional ethics These courses are included in IKGPTU & MRSPTU syllabus and conducted by various departments every semester as part of the curriculum.**

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

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

10

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

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

998

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

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

A. All of the above

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

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

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://bbsbec.edu.in/curriculumfeedback/

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

442

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

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

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

99

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

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

During 2021-2022, all the classes were conducted offline in the College. The session of Batch 2021 students started with the two weeks Students' Induction Program. The program was made compulsory for the parents and the students. The objective of the induction program was to make the students get familiarized with the institution, faculty of the College, its alumni, departments, central facilities, research and development activities, curricular and co-curricular activities, the college ethics, etc. Further, the students were given training on communication skills. Expert talks on personality development, time management, motivation, creativity, and innovation were delivered. Presentations from industry representatives and college alumni were organized.

Furthermore, 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.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/2.2.1_ASL.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1330	156

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

As per the guidelines of AICTE, a conscious effort has been made by the College to change the traditional teacher-centric approach to a student-centric one. The student-centric methods adopted by the faculty members 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, and subject quizzes and organize various activities. 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	[View File]()
Link for additional information	[https://bbsbec.edu.in/naac/2.3.1_LP.pdf]()

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

The teachers of this college use Information and Communication Technology (ICT) enabled tools for effective teaching-learning processes. The ICT tools are used to support, enhance, and optimize the delivery of education. In order to be industry/corporate ready, it is necessary to make the students familiar with the latest technologies. Therefore, teachers are combining innovative techniques of teaching with the traditional mode.

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, Udemy, Edx etc)**
6. **Digital Library resources (DEL NET, e-journals, eshodh sindhu etc)**

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

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

86

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

156

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

1925

File Description	Documents
Any additional information	[View File](#)
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	[View File](#)

2.5 - Evaluation Process and Reforms

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

- **The institution follows a structured process for conducting mid-semester and end-semester examinations. At the beginning of the semester, internal mid-semester examination schedules are shared with both students and faculty members through the institute's academic calendar. The three Mid Semester Tests (MSTs) carry 24 marks each. 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.**
- **External theory examinations are worth 60 marks and are conducted at the end of each semester. The institute 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 60 marks and external practical exams carrying 40 marks. Special attention is given to slow learners, providing them with additional support to enhance their learning capabilities. To ensure fairness, an internal rationalization committee has been established, responsible for maintaining consistent moderation across all departments and ensuring equitable assessment for all students.**

File Description	Documents
Any additional information	View File
Link for additional information	https://bbsbec.edu.in/naac/2.5.1_AI.pdf

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 end semester examination results, 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.**
- **In the case of requiring a provisional degree certificate, migration certificate, or transcripts, the college writes a request to the university and issues a no-objection certificate to the student. The student can then visit the university or apply online through the university portal to get the necessary documents.**

File Description	Documents
Any additional information	View File
Link for additional information	https://bbsbec.edu.in/naac/2.5.2_AI.pdf

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	View File
Paste link for Additional information	http://bbsbec.edu.in/course_outcomes/
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The method of measuring attainment is explained below:

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.

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.

Step 6: Applying the formula in the excel sheet the final attainment of COs is calculated. The mapping of POs with CO is done and the mapping of PSOs with COs is done and further the final attainment of POs and PSOs from COs is calculated.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://bbsbec.edu.in/naac/2.6.2_Attainment_Calculation_Method.pdf

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

249

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://bbsbec.edu.in/naac/2.6.3_Annual_Report_2021-22.pdf

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_SSS2021-22.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	<u>View File</u>
List of endowments / projects with details of grants(Data Template)	<u>View File</u>

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

16

File Description	Documents
Any additional information	<u>View File</u>
Institutional data in prescribed format	<u>View File</u>

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)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://unnat.iitd.ac.in

3.2 - Innovation Ecosystem

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

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. This council aims to systematically foster the culture of innovation and Start-up Ecosystem in education institutions. BBSBEC-IIC organizes various Innovation, IPR workshops/ seminars/ interactions with entrepreneurs, investors, and professionals throughout the academic year. Self-driven activities and those prescribed by the MIC are conducted in the college. 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 a research-oriented mindset. The efficiency competence and capability of BBSBEC faculty have fetched a research grant of more than 130 lakhs in 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-Academia Innovative practices during the last five years. The financial incentive is given to the faculty for publication of research work in a referred journal.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://bbsbec.edu.in/research/research-and-innovation-center/

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

17

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

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

14

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

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

18

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

7

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 prime aim of education is the holistic development of an individual by imbuing the right qualities of head and heart. The institution thus promotes a good rapport with the neighborhood community through extension activities catering to the local needs and social issues for the betterment of society. With respect to the development of a technological intervention for improving the village economy, under Unnat Bharat Abhiyan by the Government of India, BBSBEC has adopted four villages(Saddomajra , Kotla Bajwara , Meerpur, and Mahadiyan). A team of students and faculty along with the NSS Unit of the institute have been addressing the problems of these villages through surveys, campaigns, and counseling. The issues like lack of cleanliness and hygiene, energy conservation, education, drug abuse, water scarcity, etc. were addressed. Furthermore, few research projects have been proposed to overcome the problems identified for the improvement of living conditions of the village population. Specific campaigns like 'Say No to Plastic', 'Swachh Bharat Abhiyaan', and 'Use of Solar Energy for Sustainability' have also been undertaken. Institute's NSS unit has been involved throughout the year in organizing different community-

oriented activities such as blood donation camps, Rain water harvesting projects in and outside the campus to develop a sense of social responsibility, service orientation, and holistic development of the students.

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

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

0

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

3.4.3 - 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

15

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

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

1934

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

1

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

5

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

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	[View File]
Paste link for additional information	https://bbsbec.edu.in/college-virtual-tour/

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

S. No

Games Facility Available	Area (in m2)	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		

31-05-2023 10:27:26

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

Cultural Activities-

Auditorium – A centrally air conditioned and state of the art auditorium with a seating capacity of 750 is there to facilitate the students to participate in cultural events.

Students Activity Room – A special room is provided to students to prepare and practice for various cultural events.

Open Air Stage- For the participating students to practice during college off hours, an open air stage is there in Sher Mohamadd Khan Stadium.

Student Clubs- Various professional clubs are there in college coordinated by faculty incharges for the smooth conduct of cultural events.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://bbsbec.edu.in/videos-of-infrastructure/

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	[View File](#)
Paste link for additional information	**Nil**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

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

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

37.82

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

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

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.

An Online Public Access Catalogue (WEBOPAC) has been created (http://192.168.24.100/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-2.0, Fully Automated

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources   **A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

2.41

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

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

230

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	[View File](#)

4.3 - IT Infrastructure

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

No higher education institute can survive without a robust IT infrastructure. It equips the students with practical skills which enhance their employability. Additionally, it enables teachers and students to harness the latest educational tools to keep them up to date with the current trends in the industry. Keeping these points in mind, BBSBEC has prioritized the regular updating of a highly effective and comprehensive IT infrastructure. The college has 904 desktop computers, which are connected through 155 Mbps wired and Wi-Fi internet. All computers on the campus, including hostels and residential flats, are connected to the internet through Local Area Network. Currently, the college has its security firewall with Sophos. The college has an extensive campus-wide network connecting all the major buildings, departments, faculty residences, and hostels. This network is based on an Optical fiber 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	[View File](#)
Paste link for additional information	http://bbsbec.edu.in/desktop-computers-and-network-components-detail/

4.3.2 - Number of Computers

904

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the A. ? 50MBPS Institution

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

22.99

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

1. The College Electrical Maintenance Cell, which consists of various skilled personnel and is headed by the college XEN, undertook periodic maintenance drives to ensure sustainable power supply. The cell follows a comprehensive SOP for their operations.

2. The college water system was subject to intensive regulation by the college pump operators in order to ensure the provision of safe

drinking water. The TDS level of water was monitored periodically.

3. Various steps were taken to maintain the college Sewerage Treatment Plant (STP) for better waste management.

4. In order to preserve the natural environment of the college, skilled gardeners maintained college lawns, flowers and trees.

5. Taking cognizance of the serious problem of pest control, the college authorities coordinated with the concerned municipal body for periodic fogging of the campus.

6. The college administration ensured strict adherence to the SOP on the subject of college transport/vehicles.

7. Keeping the mental and physical well-being of the students in mind, the college dispensary organised 3 medical check-up camps.

8. During the 2022-23 session, steps were also taken for the proper maintenance of all college hostels.

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

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

444

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

348

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://bbsbec.edu.in/capability-enhancement-and-development-schemes/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

`1090`

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

`1090`

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

`A. All of the above`

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

81

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

7

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

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

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

4

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

5.3 - Student Participation and Activities

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

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

0

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

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

Role of Student Academic Council (SAC)

1. **Provide feedback and suggestions regarding the timetable.**
2. **Provide feedback and suggestions regarding the content of various subjects.**
3. **Obtain and provide students feedback on each subject delivery, quality of instructions and other related issues.**
4. **Bring to the notice of the chairperson any immediate problem regarding academics at any time being faced by the student.**
5. **Discuss and suggest any changes or any inclusions keeping in view the industry requirements.**
6. **Suggest any projects which could facilitate better understanding of subjects.**

Role of Student Administrative Council (SAdC)

1. **Provide feedback and suggestions regarding the administrative issues in the academic complex e.g. LHs, Labs, Seminar Halls, Auditorium etc.**
2. **Provide feedback and suggestions regarding various Sports facilities, hostels, mess, transport, Wi-fi and security.**

3. **Provide feedback and suggestions regarding the improvement of various facilities.**
4. **Obtain and provide students administrative feedback to the chairperson, whenever required or called for.**
5. **Bring to the notice of the chairperson any immediate problem regarding administration at any time being faced by the students.**
6. **Ensure passage and implementation of admin instructions issued from time to time by the faculty/ HOD/ Principal by multiple and fastest means.**

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/NAAC5.3.2.pdf
Upload any additional information	View File

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

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

6

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

5.4 - Alumni Engagement

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

BBSBEC ALUMNI ASSOCIATION has been registered as a Society under the Societies Registration Act 1860 on July 16, 2020. It is very essential for an institute to build and develop a continuous rapport with alumni. The BBSBEC Alumni Association members meet on the

regular basis, strengthen the bond with their alma mater and plan the alumni activities accordingly. The meetings with the College Principal, department heads, and the College management are held regularly. Expert talks and workshops are conducted in each semester by the distinguished alumni. They are giving the technical and motivational talks thus sharing their experiences and their expertise. The alumni 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 alumni contribute a lot in the progress and development of the college. 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]

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

[faceboook page: Baba Banda Singh Bahadur Engineering College

Alumni Page]

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)   D. 1 Lakhs - 3Lakhs

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

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 aims to become a leading center of learning, dedicated to academic excellence and the development of socially responsible and collaborative leaders. Its governance reflects this vision, emphasizing high morals, values, and inclusivity for staff and students from all backgrounds.

In line with the Strategic Plan, medium and long-term issues are typically discussed in Higher Forum (HF) meetings and then forwarded to the Secretary of the Trust for further deliberation in the Board of Governors (BOG) or College Trust. BOG makes decisions aligned with the college's Strategic Plan during its biannual meetings, with minutes provided to the Principal for execution through various action plans overseen by IQAC.

Operational issues are addressed at the Principal level in consultation with the HF. Regular meetings are held to discuss routine college matters, and each department has an Extended Forum (EF) with periodic meetings. Feedback and raised issues from EF meetings are presented to the HF by the department heads. Following deliberation, decisions are either made on the spot by the Principal in consultation with HF members or forwarded to the Management for resolution with recommendations from all relevant parties.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.1.1_L2021-22.pdf
Upload any additional information	[View File](#)

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

The Management actively encourages staff involvement in various

committees such as IQAC, Clubs/Professional Societies, Academic Committees, and Grievances Redressal Committees to ensure quality assurance, enhancement, and development activities within the College. Operational issues are discussed in decentralized forums, and decisions are made based on participative management principles. One significant annual activity is the preparation of the college budget, which follows the following process:

- In January/February of each year, the Principal requests all Higher Forum (HF) members to compile and submit budget proposals for the upcoming financial year.
- Each HF member then asks the staff members of their respective department/section to submit budget proposals for the next financial year.
- The incharge of each lab/club/cell collaborates with other relevant staff to propose budgetary requirements for the following financial year.
- Each HF member discusses, compiles, and consolidates the budgetary requirements for their department/section.
- The budgetary requirements are then discussed in the HF meeting.
- Subsequently, the Principal discusses, compiles, and consolidates the budgetary requirements for the entire college, submitting it to the Board of Governors (BOG) or College Trust through the Secretary (Trust) for final approval.
- Finally, the BOG/College Trust discusses and approves the annual budget during its meeting.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.1.2_L2021-22.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Looking into the prevalent scenario of admission trends, the current Strategic Plan (2020-2025) of the college was prepared in 2019-20, primarily to focus on critical areas for ensuring sustainable development of the college.

The Strategic Plan focused on following key areas:

- **Academic Processes**
- **Student Development**
- **Branding & Marketing**
- **Industry – Institute Interaction**
- **Human Resource**
- **Infrastructure**
- **Governance**
- **Building Relationships**

CASE STUDY

The strategic plan of the college highlighted the importance of enhancing student employability. To achieve this objective, it was necessary to provide training to students in areas beyond technical skills, such as soft skills, quantitative aptitude, and general knowledge.

To enable students to acquire multidisciplinary knowledge and skills, the concept of major and minor degrees was introduced into the university curriculum. Faculty members from the college actively participated as members of the university's Board of Studies. Through their efforts, the university was convinced to adopt the concept of major and minor degrees.

Consequently, students now have the opportunity to choose a minor degree alongside their main degree program. This applies to students in all branches of B.Tech., allowing them to pursue a minor degree of their choice.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://bbsbec.edu.in/strategic-plan-deployment-documents/
Upload any additional information	[View File](#)

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

The principal assumes the leadership role in governing the college,

receiving guidance from the Board of Governors (BOG), and proposing new initiatives aligned with the Strategic Plan to the top management. The policies formulated are executed by the college faculty and staff at all levels through the Higher Forum.

The deans oversee various aspects of the college, including academics, examinations, research, training and placement, industrial relations, and co-curricular activities. They work closely with the departmental faculty to implement plans and provide coordination as needed.

The Professor-in-Charge of Administration supervises and manages medical facilities, security, transportation, the college store, and establishment-related matters. Senior wardens are assigned the responsibility of formulating and implementing hostel policies, rules, and regulations. They, along with assistant wardens and caretakers, administer and oversee the functioning of the hostels.

The estate office is responsible for the management and maintenance of all construction projects and general upkeep. Additionally, several committees have been established to handle specific statutory and other tasks. These committees operate according to their Standard Operating Procedures (SOPs) and prescribed guidelines to fulfill their assigned responsibilities.

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

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	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

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

Provide the list of existing welfare measures for teaching and non-teaching staff within a maximum of 500 words

Effective welfare measures for teaching and not teaching staff:

- **Group Health Insurance(GIS)**
- **On- Campus Accommodation**
- **Computing facilities to all facultymembers**
- **Bus service**
- **Creche**
- **Recreational facilitiesfor 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.**

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.3.1_L.pdf
Upload any additional information	View File

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

4

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

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

105

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

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

BBSBEC's Management, renowned for its commitment to education as part of its social responsibility, recognizes the significance of human resources and provides both moral and financial support to the college staff. The college has implemented a comprehensive yearly appraisal system for its staff members.

The appraisal system is thoughtfully designed to motivate staff members to actively engage with each criterion and facilitate personal improvement. Performance appraisals are conducted prior to the annual increment for regular employees and the renewal of contracts for contractual staff.

The staff performance appraisal is divided into two distinct systems: one for faculty members and another for non-teaching staff. Separate criteria are utilized for the annual appraisal of Class III and Class IV employees, with the reporting officer completing the performance appraisal form.

Ultimately, the Principal conducts the final assessment in all cases, ensuring a fair evaluation process.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.3.5_L.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

The institution has established a robust auditing mechanism, involving both internal and external auditors. Internal Audit is conducted periodically by officials appointed by the principal, and their reports are obtained prior to the external audit, which typically takes place after the completion of all accounting procedures.

During the Internal Audit process, all necessary measures are taken to review the accounts and obtain confirmations for credit balances. Documentary evidence is collected in cases where there are discrepancies in payments, compliance with TDS regulations, and statutory requirements.

Following the Internal Audit, the appointed Statutory Auditors conduct the External Audit, typically after June 30th of the subsequent year. The auditors submit a final audit report to the management, including their findings. The audit findings from both the institution and the trust are consolidated, and the annual returns are submitted to the Income Tax Authorities. The most recent audit report was issued on September 28th, 2019.

Furthermore, in addition to the routine college accounts, whenever funds are received for various activities, an audited utilization certificate is sent to the funding agency to provide transparency and accountability in fund utilization.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.4.1_L2021-22.pdf
Upload any additional information	No File Uploaded

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

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

0

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

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

As a self-financing college, the primary source of income is the fees collected from students. Admissions are carried out in accordance with the approved intake and the norms set by the Punjab Government. In addition to fees, the college generates income from various research and travel grants, grants for organizing curricular and co-curricular activities.

Furthermore, the college also generates funds by allowing external agencies, such as the National Testing Agency (NTA), local government departments, PCERT, and Chandigarh, to utilize the college infrastructure for their purposes. This allows for additional financial support and resource utilization.

Utilization of Resources

Efforts are made to ensure optimal resource utilization within the college. Since the majority of infrastructure is already established, the main expenses are allocated towards staff salaries, utility bills, maintenance, student development activities (such as personality enhancement programs, training and placement initiatives, cultural events, sports activities, projects, etc.), student scholarships, faculty development, regular consumable goods, statutory charges, waste management, and green initiatives.

By prioritizing these areas, the college aims to effectively allocate resources to enhance the overall learning and development

experience for students, support faculty growth, ensure a sustainable and environmentally friendly campus, and fulfill its statutory obligations.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.4.3_L2021-22.pdf
Upload any additional information	**No File Uploaded**

6.5 - Internal Quality Assurance System

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

Describe two practices institutionalized as a result of IQAC initiatives within a max of 200 words.

1. Upliftment of academic standards:

In accordance with AICTE guidelines, IQAC has undertaken examination modifications at the institute. For outcome-based education, the institute uses the CO- PO Mapping and CO Attainment assessment strategies.

IQAC has always been in pursuit to raise the academic and professional standards in the institution. IQAC ensures that the Academic Audit of all the departments is timely conducted at the end of the semester. Online platforms including Google Meet have been used for academic delivery and evaluation. The necessary study materials were also made available to the students via Google Classroom.

1. Boosting of placement activities and placements in (including Tier 1) companies:

Personality Enhancement Programmes, mock- tests, aptitude tests, interviews etc. were conducted at college level to prepare the students for placement activities and to boost their confidence. Also, various companies like Deloitte, Google, Bebo Technologies, Tata Consultancy Services, Wartiz Technologies, Reliance Jio, Maruti Suzuki, IndiaMart, WIPRO, HCL, Dell, Tech Mahindra have conducted their placement drives through online/off campus/on campus mode. Around 100 students got placed in reputed companies including tier-1 with good package.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.5.1_L2021-22.pdf
Upload any additional information	**No File Uploaded**

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

1. Professional development through Technical club activities: Technical club activities play a vital role in the professional development of students in an engineering college. These clubs provide a platform for students to apply their theoretical knowledge to practical projects and gain hands-on experience. Technical club activities foster teamwork and collaboration among students. Through group projects and activities, students learn how to work effectively in teams, delegate tasks, and communicate ideas. These skills are essential in the professional world, where engineers often work in interdisciplinary teams to solve complex problems. Further, technical clubs enable students to enhance their technical skills and knowledge. By participating in workshops, seminars, and competitions organized by these clubs, students get exposed to the latest trends and developments in their field.

2. Enhancement of quality education through feedback:

Every year, IQAC gathers student feedback via structured questionnaire. Feedback is gathered on components, instructional strategies, faculty development initiatives and institutional initiatives. Using the student feedback as a guide, actions are taken to raise the college's performance overall. The IQAC committee organizes, oversees and evaluates the institutional teachings, learning and other activities.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.5.2_L2021-22.pdf
Upload any additional information	**No File Uploaded**

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

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 maintaining a working and learning environment that is free of intimidation, fear, bullying, revenge, and 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.

The institution aims to groom students to be self-reliant, specialists in their chosen discipline, continuous learners and effective communicators, aware of their social and civic

responsibilities, and sensitive to gender issues with zero tolerance towards sexual harassment, women's safety, and security. Students of both genders are given equal opportunities to grow and develop into able and responsible citizens of the future.

File Description	Documents
Annual gender sensitization action plan	http://bbsbec.edu.in/wp-content/uploads/2019/10/Gender-Sensitisation-Action-Plan.pdf
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	http://bbsbec.edu.in/wp-content/uploads/2019/10/Gender-Equity-Promotion-Supporting-photos.pdf

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

Solid Waste Management

After collecting the waste from all around the college, waste segregation has been done into dry waste and wet waste. Waste is separated daily into different bags for the different categories of waste such as wet and dry waste, which are disposed off separately. The material is composted and evaluated as a fertilizing material. Composting of this waste resulted in the production of good quality materials that can be used as soil amendments and source of plant nutrients.

Liquid Waste Management

A sewage treatment plant is operational near the swimming pool since May 2015 and the capacity of the plant is 700m3/day. The sewage Treatment Plant is well-maintained by the College and functions efficiently. The Plant uses natural techniques to recycle water, making it eco-friendly. The purified water is used for irrigation and the excess is fed to a nearby water body.

E-Waste Management

The institute follows the E-Waste management policy of the state under the Environment (Protection) Act, of 1986 (29 of 1986). To tackle E-Waste, the college has signed MOU with RAMKY ENVIRO ENGINEERS LTD.

Waste Recycling System

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

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	**No File Uploaded**

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

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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and

A. Any 4 or all of the above

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

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

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).

To commemorate the Birth anniversary of the Great Sikh Warrior and General Baba Banda Singh Bahadur, the college organizes the FATEH MARATHON every year. The aim of this activity is to rejuvenate the youth and to kindle their thoughts by realizing the sacrifices of the Great First Sikh General Baba Banda Singh Bahadur.

The institution organized a singing competition to create awareness about the process of elections for democracy, various SVEEP activities are conducted in the college.

The institution organized a Blood Donation Camp by the NSS and NCC units. The team of doctors from Blood Bank, Civil Hospital,Fatehgarh Sahib visited the college for managing this camp. Students were motivated to donate blood and were told about the significance of blood donation for the noble cause.

The B-Tech. Electrical Engineering Department organized the AMBUSH CUP which commenced a 3-Days event involving technical, cultural, and sports activities.

NSS Unit of The institution are organized a National level Online Poster Making Contest on the theme of "One Earth' World Environment Day".

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

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

Baba Banda Singh Bahadur Engineering College sensitizes the institution's students and employees 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. Educate the students and employees to become responsible citizens by sensitizing them to the country's constitution and giving back to society.

The students are motivated to take part in various constitutional obligations events like birth anniversary celebrations of national identities and blood donation camps. The institute also organizes a National Level E-Quiz on "Republic Day", Webinar (Expert Talk) on "Modern Day Intellectual Property" and celebrated World Water Day to spread awareness and encourage students to escalate moral and constitutional values back to mankind.

During the Covid-19 pandemic, the institute also organized a Covid vaccination camp for the institution's students and staff.

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	https://bbsbec.edu.in/outreach/sensitization/
Any other relevant information	https://bbsbec.edu.in/outreach/sensitization/

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

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

The institution are on a mission towards better India. The institution celebrates Days of National Importance with fervor and festivity. Death and Birth anniversaries of great personalities, Important Days of National and International events are also celebrated meaningfully. The institution celebrates these days of national importance to recall the events and the contribution of our leaders in nation building pursuits. Thoughts of great Indian personalities are sowed into the young minds through the exhibitions and programmers are conducted in their remembrance with religious fervor. It inculcates a sense of pride among students as well as

teachers. This helps students to feel at home and integrates the values of unity and diversity.

Following events are conducted annually on regular basis:

Fateh Marathon, Blood conation camp and Shri Sehaj Path Sahib is organized in remembrance of birth anniversary of Baba Banda Singh Bahadur.

National Mathematics day and National Science day is celebrated on 16th feb.

Organized one day educational trip to Mach Auto Expo 2022, Sahenwal, Ludhiana.

Ms. Mehakdeep Kaur, 3rd year CSE Student has been selected for the 'USA Grace Hopper Student Scholarship-2021'.

Ms. Harjas Kaur Ratol, 3rd year CSE student won 'Ureka's Global Youth Icon Challenge-2021'.

Flash cricket league organized on 16 march 2022.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

PRACTICE 1: MENTOR-MENTEE SYSTEM

The mentor-Mentee System goal is to establish a trusted relationship between the Mentor and the mentee. Mentors act as guides by sharing

their experiences of challenges and assertions required to progress through personal and professional life to reduce anxiety or concerns and act as role models for students. Every week anhourisdevotedinthetimetableas'MenteeSession'.

These are some evidence of success:

- Improvement in discipline, interaction, and communication skills.
- Establishment of a vibrant relationship between teachers and students.
- Establishing a trusted relationship between teachers and parents.

PRACTICE 2: PDP(Personality Development Program)

TheobjectiveofPDPistoprovidein-campusonlineandofflinepersonalityDevelopmentProgram. The central focus of his formation program is intra-personal development. The students are assigned to faculty members from their respective departments. Individuals tend to develop a positive attitude as a result of personality development.

The major evidence of success are noticed as follows:

- The success rate of students in getting placed has improved constantly.
- The overall development of soft skills, team skills, leadership skills, attitude, and aptitude skills are lifelong assets for them.

File Description	Documents
Best practices in the Institutional website	https://bbsbec.edu.in/best-institutional-practices/
Any other relevant information	http://bbsbec.edu.in/naac/7.2.1_attendance.pdf

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 an eminent Centre of Learning with total commitment to providing career-focused technical training aimed at excellence in inter-disciplinary education, research, and innovation in order to produce socially responsible and synergetic leaders with a global profile. The distinctiveness of Baba Banda Singh Bahadur Engineering College lies primarily in creating a student and faculty-centric research environment. We encourage the faculty along with the undergraduate and postgraduate students to pursue research and innovation practices. In order to develop scholarly traits, institute encourages the research inductions at the undergraduate level under the guidance of faculty. For incubating research environment, a well-equipped research center has been established in the college. The faculty of the college not only provides guidance to the students but also works in a collaborative manner with them to provide a platform for budding researchers. The outcome of the same has come up in the form of collaborative patents, research publications, projects, and making and representing models at IITs and NITs.Responsibility, persistence, synthesis, analysis, thoroughness, teamwork, leadership, commitment, patience, perspective-taking, and ethical behavior are the hallmarks of quality undergraduate research at BBSBEC. Understanding the need for the early genesis of these concepts in students, they are guided to take an active part in ongoing research activities in the college with full enthusiasm.

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 with the University of IKGPTU, Jalandhar, and prepares a well-planned programme at the beginning of each academic session:

- Institute follows the academic calendar provided by the University, which is discussed in Higher Forum Meetings. Then college academic calendar is designed by Dean Academics and Dean Examination, which is also mentioned in Higher Forum Meetings and reported to IQAC. The department meetings are conducted in each department for effective planning and implementation of the curriculum. The points discussed in department meetings are:
    - dissemination of the college academic calendar
    - distribution of subjects among faculty
    - design of timetable by the time-table committee of each department
- Each faculty member maintains student attendance and a continuous evaluation record book and prepares lesson plans, assignments, tutorial sheets, and course files for effective course delivery. Apart from chalk and talk methods, ICT –enabled teaching-learning methods including Google Classroom, Google Meet, PowerPoint Presentations, etc. are used. The College encourages its faculty members to participate in Faculty Development Programmes/Workshops/ Seminars organized by the University or other institutes so as to update their knowledge and improve teaching practices. The Institution provides great books and other teaching and reference materials like journals, magazines, e-journals, and software to enable teachers to ensure the effective delivery of the curriculum.
- Webinars/Seminars, Industrial visits, and special lectures by experts/resource persons are arranged regularly for the benefit of the students through online and offline modes.

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

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

- **The academic calendar of the college has been prepared to take 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 mentioned in Higher Forum Meetings and reported to IQAC. The college academic calendar is disseminated to faculty through Heads of the department. The new session is commenced and mid-semester tests (MSTs) are conducted as per the academic calendar schedule. Date sheets of all MSTs are disseminated to faculty through emails via Deputy Controller Examinations and sent to students through faculty. In case the dates of mid-semester tests are required to be rescheduled due to any un-avoidable circumstances, the same is intimated to faculty by Deputy Controller Examinations/Principal, and related information is conveyed to the students by faculty**

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

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for	**A. All of the above**

UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	

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

1.2 - Academic Flexibility

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

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

9

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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

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

7

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

number of students during the year

958

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

Response:

• All the departments in the institute have courses in the curriculum that deal with significant 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 the UG level of college.

• There are full-credit courses that are compulsory for UG students to provide awareness about cross-cutting issues like gender, environment sustainability, human values, and professional ethics These courses are included in IKGPTU & MRSPTU syllabus and conducted by various departments every semester as part of the curriculum.

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

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

10

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

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

998

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

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

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

1.4.2 - **Feedback process of the Institution may be classified as follows**	**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	[View File]()
URL for feedback report	https://bbsbec.edu.in/curriculumfeedback/

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

442

File Description	Documents
Any additional information	[View File]()
Institutional data in prescribed format	[View File]()

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

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

99

File Description	Documents
Any additional information	[View File]()
Number of seats filled against seats reserved (Data Template)	[View File]()

2.2 - Catering to Student Diversity

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

During 2021-2022, all the classes were conducted offline in the College. The session of Batch 2021 students started with the two weeks Students' Induction Program. The program was made

compulsory for the parents and the students. The objective of the induction program was to make the students get familiarized with the institution, faculty of the College, its alumni, departments, central facilities, research and development activities, curricular and co-curricular activities, the college ethics, etc. Further, the students were given training on communication skills. Expert talks on personality development, time management, motivation, creativity, and innovation were delivered. Presentations from industry representatives and college alumni were organized.

Furthermore, 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.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/2.2.1_ASL.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1330	156

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

As per the guidelines of AICTE, a conscious effort has been made by the College to change the traditional teacher-centric approach to a student-centric one. The student-centric methods adopted by the faculty members 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, and subject quizzes and organize various activities. 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	View File
Link for additional information	https://bbsbec.edu.in/naac/2.3.1_LP.pdf

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

The teachers of this college use Information and Communication Technology (ICT) enabled tools for effective teaching-learning processes. The ICT tools are used to support, enhance, and optimize the delivery of education. In order to be industry/corporate ready, it is necessary to make the students familiar with the latest technologies. Therefore, teachers are combining innovative techniques of teaching with the traditional mode.

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, Udemy, Edx etc)`
6. `Digital Library resources (DEL NET, e-journals, eshodh sindhu etc)`

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

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

`86`

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

`156`

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

1925

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

- The institution follows a structured process for conducting mid-semester and end-semester examinations. At the beginning of the semester, internal mid-semester examination schedules are shared with both students and faculty members through the institute's academic calendar. The three Mid Semester Tests (MSTs) carry 24 marks each. 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.
- External theory examinations are worth 60 marks and are conducted at the end of each semester. The institute 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 60 marks and external practical exams carrying 40 marks. Special attention is given to slow learners, providing them with additional support to enhance their learning capabilities. To ensure fairness, an internal rationalization committee has been established, responsible for maintaining consistent moderation across all departments and ensuring equitable assessment for all students.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://bbsbec.edu.in/naac/2.5.1_AI.pdf

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 end semester examination results, 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.
- In the case of requiring a provisional degree certificate,
  migration certificate, or transcripts, the college writes a
  request to the university and issues a no-objection
  certificate to the student. The student can then visit the
  university or apply online through the university portal to
  get the necessary documents.

File Description	Documents
Any additional information	[View File]()
Link for additional information	https://bbsbec.edu.in/naac/2.5.2_AI.pdf

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	[View File](#)
Paste link for Additional information	http://bbsbec.edu.in/course_outcomes/
Upload COs for all Programmes (exemplars from Glossary)	[View File](#)

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

The method of measuring attainment is explained below:

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.

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.

Step 6: Applying the formula in the excel sheet the final attainment of COs is calculated. The mapping of POs with CO is

done and the mapping of PSOs with COs is done and further the final attainment of POs and PSOs from COs is calculated.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://bbsbec.edu.in/naac/2.6.2_Attainment_Calculation_Method.pdf

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

249

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://bbsbec.edu.in/naac/2.6.3_Annual_Report_2021-22.pdf

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_SSS2021-22.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	View File
List of endowments / projects with details of grants(Data Template)	View File

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

16

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://unnat.iitd.ac.in

3.2 - Innovation Ecosystem

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

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. This council aims to systematically foster the culture of innovation and Start-up Ecosystem in education institutions. BBSBEC-IIC organizes various Innovation, IPR workshops/ seminars/ interactions with entrepreneurs, investors, and professionals throughout the academic year. Self-driven activities and those prescribed by the MIC are conducted in the college. 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 a research-oriented mindset. The efficiency competence and capability of BBSBEC faculty have fetched a research grant of more than 130 lakhs in 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-Academia Innovative practices during the last five years. The financial incentive is given to the faculty for publication of research work in a referred journal.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://bbsbec.edu.in/research/research-and-innovation-center/

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

17

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

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

14

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

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

18

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

7

File Description	Documents
Any additional information	[View File](#)
List books and chapters edited volumes/ books published (Data Template)	[View File](#)

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 prime aim of education is the holistic development of an individual by imbuing the right qualities of head and heart. The institution thus promotes a good rapport with the neighborhood community through extension activities catering to the local needs and social issues for the betterment of society. With respect to the development of a technological intervention for improving the village economy, under Unnat Bharat Abhiyan by the Government of India, BBSBEC has adopted four villages(Saddomajra , Kotla Bajwara , Meerpur, and Mahadiyan). A team of students and faculty along with the NSS Unit of the institute have been addressing the problems of these villages through surveys, campaigns, and counseling. The issues like lack of cleanliness and hygiene, energy conservation, education, drug abuse, water scarcity, etc. were addressed. Furthermore, few research projects have been proposed to overcome the problems identified for the improvement of living conditions of the village population. Specific campaigns like 'Say No to Plastic', 'Swachh Bharat Abhiyaan', and 'Use of Solar Energy for Sustainability' have also been undertaken. Institute's NSS unit has been involved throughout the year in organizing different community-oriented activities such as blood donation camps, Rain water harvesting projects in and outside the campus to develop a sense of social responsibility, service orientation, and holistic development of the students.

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

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

0

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

3.4.3 - 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

15

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

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

1934

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

1

File Description	Documents
e-copies of related Document	**No File Uploaded**
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

5

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

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	[View File](#)
Paste link for additional information	https://bbsbec.edu.in/college-virtual-tour/

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

S. No

Games

Facility

Available

Area

(in m2)

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

Cultural Activities-

Auditorium – A centrally air conditioned and state of the art auditorium with a seating capacity of 750 is there to facilitate the students to participate in cultural events.

Students Activity Room – A special room is provided to students to prepare and practice for various cultural events.

Open Air Stage- For the participating students to practice during college off hours, an open air stage is there in Sher Mohamadd

Khan Stadium.

Student Clubs- Various professional clubs are there in college coordinated by faculty incharges for the smooth conduct of cultural events.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://bbsbec.edu.in/videos-of-infrastructure/

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	[View File](#)
Paste link for additional information	**Nil**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

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

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

37.82

File Description	Documents
Upload any additional information	[View File](#)
Upload audited utilization statements	[View File](#)
Upload Details of budget allocation, excluding salary during the year (Data Template	[View File](#)

4.2 - Library as a Learning Resource

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

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

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.

An Online Public Access Catalogue (WEBOPAC) has been created (http://192.168.24.100/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-2.0, Fully Automated

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

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

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

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

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

2.41

File Description	Documents
Any additional information	[View File](#)
Audited statements of accounts	[View File](#)
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	[View File](#)

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

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

230

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

No higher education institute can survive without a robust IT infrastructure. It equips the students with practical skills which enhance their employability. Additionally, it enables teachers and students to harness the latest educational tools to keep them up to date with the current trends in the industry. Keeping these points in mind, BBSBEC has prioritized the regular updating of a highly effective and comprehensive IT infrastructure. The college has 904 desktop computers, which are connected through 155 Mbps wired and Wi-Fi internet. All computers on the campus, including hostels and residential flats, are connected to the internet through Local Area Network. Currently, the college has its security firewall with Sophos. The college has an extensive campus-wide network connecting all the major buildings, departments, faculty residences, and hostels. This network is based on an Optical fiber 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	View File
Paste link for additional information	http://bbsbec.edu.in/desktop-computers-and-network-components-detail/

4.3.2 - Number of Computers

904

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

22.99

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

1. The College Electrical Maintenance Cell, which consists of various skilled personnel and is headed by the college XEN, undertook periodic maintenance drives to ensure sustainable power supply. The cell follows a comprehensive SOP for their operations.

2. The college water system was subject to intensive regulation by the college pump operators in order to ensure the provision of safe drinking water. The TDS level of water was monitored periodically.

3. Various steps were taken to maintain the college Sewerage Treatment Plant (STP) for better waste management.

4. In order to preserve the natural environment of the college, skilled gardeners maintained college lawns, flowers and trees.

5. Taking cognizance of the serious problem of pest control, the college authorities coordinated with the concerned municipal body for periodic fogging of the campus.

6. The college administration ensured strict adherence to the SOP on the subject of college transport/vehicles.

7. Keeping the mental and physical well-being of the students in mind, the college dispensary organised 3 medical check-up camps.

8. During the 2022-23 session, steps were also taken for the proper maintenance of all college hostels.

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

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

444

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

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

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

348

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**A. All of the above**

File Description	Documents
Link to Institutional website	https://bbsbec.edu.in/capability-enhancement-and-development-schemes/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

1090

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

1090

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

81

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

7

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

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

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

4

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

5.3 - Student Participation and Activities

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

one) during the year

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

0

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

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

Role of Student Academic Council (SAC)

1. **Provide feedback and suggestions regarding the timetable.**
2. **Provide feedback and suggestions regarding the content of various subjects.**
3. **Obtain and provide students feedback on each subject delivery, quality of instructions and other related issues.**
4. **Bring to the notice of the chairperson any immediate problem regarding academics at any time being faced by the student.**
5. **Discuss and suggest any changes or any inclusions keeping in view the industry requirements.**
6. **Suggest any projects which could facilitate better understanding of subjects.**

Role of Student Administrative Council (SAdC)

1. **Provide feedback and suggestions regarding the administrative issues in the academic complex e.g. LHs, Labs, Seminar Halls, Auditorium etc.**
2. **Provide feedback and suggestions regarding various Sports facilities, hostels, mess, transport, Wi-fi and security.**
3. **Provide feedback and suggestions regarding the improvement**

4. **Obtain and provide students administrative feedback to the chairperson, whenever required or called for.**
5. **Bring to the notice of the chairperson any immediate problem regarding administration at any time being faced by the students.**
6. **Ensure passage and implementation of admin instructions issued from time to time by the faculty/ HOD/ Principal by multiple and fastest means.**

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/NAAC5.3.2.pdf
Upload any additional information	View File

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

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

6

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

5.4 - Alumni Engagement

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

BBSBEC ALUMNI ASSOCIATION has been registered as a Society under the Societies Registration Act 1860 on July 16, 2020. It is very essential for an institute to build and develop a continuous rapport with alumni. The BBSBEC Alumni Association members meet on the regular basis, strengthen the bond with their alma mater

and plan the alumni activities accordingly. The meetings with the College Principal, department heads, and the College management are held regularly. Expert talks and workshops are conducted in each semester by the distinguished alumni. They are giving the technical and motivational talks thus sharing their experiences and their expertise. The alumni 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 alumni contribute a lot in the progress and development of the college. 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]

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

[faceboook page: Baba Banda Singh Bahadur Engineering College

Alumni Page]

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)	D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	View File

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 aims to become a leading center of learning, dedicated to academic excellence and the development of socially responsible and collaborative leaders. Its governance reflects this vision, emphasizing high morals, values, and inclusivity for staff and students from all backgrounds.

In line with the Strategic Plan, medium and long-term issues are typically discussed in Higher Forum (HF) meetings and then forwarded to the Secretary of the Trust for further deliberation in the Board of Governors (BOG) or College Trust. BOG makes decisions aligned with the college's Strategic Plan during its biannual meetings, with minutes provided to the Principal for execution through various action plans overseen by IQAC.

Operational issues are addressed at the Principal level in consultation with the HF. Regular meetings are held to discuss routine college matters, and each department has an Extended Forum (EF) with periodic meetings. Feedback and raised issues from EF meetings are presented to the HF by the department heads. Following deliberation, decisions are either made on the spot by the Principal in consultation with HF members or forwarded to the Management for resolution with recommendations from all relevant parties.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.1.1_L2021-22.pdf
Upload any additional information	View File

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

The Management actively encourages staff involvement in various

committees such as IQAC, Clubs/Professional Societies, Academic Committees, and Grievances Redressal Committees to ensure quality assurance, enhancement, and development activities within the College. Operational issues are discussed in decentralized forums, and decisions are made based on participative management principles. One significant annual activity is the preparation of the college budget, which follows the following process:

- In January/February of each year, the Principal requests all Higher Forum (HF) members to compile and submit budget proposals for the upcoming financial year.
- Each HF member then asks the staff members of their respective department/section to submit budget proposals for the next financial year.
- The incharge of each lab/club/cell collaborates with other relevant staff to propose budgetary requirements for the following financial year.
- Each HF member discusses, compiles, and consolidates the budgetary requirements for their department/section.
- The budgetary requirements are then discussed in the HF meeting.
- Subsequently, the Principal discusses, compiles, and consolidates the budgetary requirements for the entire college, submitting it to the Board of Governors (BOG) or College Trust through the Secretary (Trust) for final approval.
- Finally, the BOG/College Trust discusses and approves the annual budget during its meeting.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.1.2_L2021-22.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Looking into the prevalent scenario of admission trends, the current Strategic Plan (2020-2025) of the college was prepared in 2019-20, primarily to focus on critical areas for ensuring sustainable development of the college.

The Strategic Plan focused on following key areas:

- **Academic Processes**
- **Student Development**
- **Branding & Marketing**
- **Industry – Institute Interaction**
- **Human Resource**
- **Infrastructure**
- **Governance**
- **Building Relationships**

CASE STUDY

The strategic plan of the college highlighted the importance of enhancing student employability. To achieve this objective, it was necessary to provide training to students in areas beyond technical skills, such as soft skills, quantitative aptitude, and general knowledge.

To enable students to acquire multidisciplinary knowledge and skills, the concept of major and minor degrees was introduced into the university curriculum. Faculty members from the college actively participated as members of the university's Board of Studies. Through their efforts, the university was convinced to adopt the concept of major and minor degrees.

Consequently, students now have the opportunity to choose a minor degree alongside their main degree program. This applies to students in all branches of B.Tech., allowing them to pursue a minor degree of their choice.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://bbsbec.edu.in/strategic-plan-deployment-documents/
Upload any additional information	[View File](#)

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

The principal assumes the leadership role in governing the

college, receiving guidance from the Board of Governors (BOG), and proposing new initiatives aligned with the Strategic Plan to the top management. The policies formulated are executed by the college faculty and staff at all levels through the Higher Forum.

The deans oversee various aspects of the college, including academics, examinations, research, training and placement, industrial relations, and co-curricular activities. They work closely with the departmental faculty to implement plans and provide coordination as needed.

The Professor-in-Charge of Administration supervises and manages medical facilities, security, transportation, the college store, and establishment-related matters. Senior wardens are assigned the responsibility of formulating and implementing hostel policies, rules, and regulations. They, along with assistant wardens and caretakers, administer and oversee the functioning of the hostels.

The estate office is responsible for the management and maintenance of all construction projects and general upkeep. Additionally, several committees have been established to handle specific statutory and other tasks. These committees operate according to their Standard Operating Procedures (SOPs) and prescribed guidelines to fulfill their assigned responsibilities.

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

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	[View File](#)
Screen shots of user inter faces	[View File](#)
Any additional information	[View File](#)
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	[View File](#)

6.3 - Faculty Empowerment Strategies

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

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

Provide the list of existing welfare measures for teaching and non-teaching staff within a maximum of 500 words

Effective welfare measures for teaching and not teaching staff:

- **Group Health Insurance(GIS)**
- **On- Campus Accommodation**
- **Computing facilities to all facultymembers**
- **Bus service**
- **Creche**
- **Recreational facilitiesfor 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.**

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.3.1_L.pdf
Upload any additional information	View File

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

4

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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	[View File](#)
Upload any additional information	[View File](#)
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	[View File](#)

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

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

105

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

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

BBSBEC's Management, renowned for its commitment to education as part of its social responsibility, recognizes the significance of human resources and provides both moral and financial support to the college staff. The college has implemented a comprehensive

yearly appraisal system for its staff members.

The appraisal system is thoughtfully designed to motivate staff members to actively engage with each criterion and facilitate personal improvement. Performance appraisals are conducted prior to the annual increment for regular employees and the renewal of contracts for contractual staff.

The staff performance appraisal is divided into two distinct systems: one for faculty members and another for non-teaching staff. Separate criteria are utilized for the annual appraisal of Class III and Class IV employees, with the reporting officer completing the performance appraisal form.

Ultimately, the Principal conducts the final assessment in all cases, ensuring a fair evaluation process.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.3.5_L.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

The institution has established a robust auditing mechanism, involving both internal and external auditors. Internal Audit is conducted periodically by officials appointed by the principal, and their reports are obtained prior to the external audit, which typically takes place after the completion of all accounting procedures.

During the Internal Audit process, all necessary measures are taken to review the accounts and obtain confirmations for credit balances. Documentary evidence is collected in cases where there are discrepancies in payments, compliance with TDS regulations, and statutory requirements.

Following the Internal Audit, the appointed Statutory Auditors conduct the External Audit, typically after June 30th of the subsequent year. The auditors submit a final audit report to the

management, including their findings. The audit findings from both the institution and the trust are consolidated, and the annual returns are submitted to the Income Tax Authorities. The most recent audit report was issued on September 28th, 2019.

Furthermore, in addition to the routine college accounts, whenever funds are received for various activities, an audited utilization certificate is sent to the funding agency to provide transparency and accountability in fund utilization.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.4.1_L2021-22.pdf
Upload any additional information	No File Uploaded

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

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

0

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

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

As a self-financing college, the primary source of income is the fees collected from students. Admissions are carried out in accordance with the approved intake and the norms set by the Punjab Government. In addition to fees, the college generates income from various research and travel grants, grants for organizing curricular and co-curricular activities.

Furthermore, the college also generates funds by allowing external agencies, such as the National Testing Agency (NTA),

local government departments, PCERT, and Chandigarh, to utilize the college infrastructure for their purposes. This allows for additional financial support and resource utilization.

Utilization of Resources

Efforts are made to ensure optimal resource utilization within the college. Since the majority of infrastructure is already established, the main expenses are allocated towards staff salaries, utility bills, maintenance, student development activities (such as personality enhancement programs, training and placement initiatives, cultural events, sports activities, projects, etc.), student scholarships, faculty development, regular consumable goods, statutory charges, waste management, and green initiatives.

By prioritizing these areas, the college aims to effectively allocate resources to enhance the overall learning and development experience for students, support faculty growth, ensure a sustainable and environmentally friendly campus, and fulfill its statutory obligations.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.4.3_L2021-22.pdf
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

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

Describe two practices institutionalized as a result of IQAC initiatives within a max of 200 words.

1. Upliftment of academic standards:

In accordance with AICTE guidelines, IQAC has undertaken examination modifications at the institute. For outcome-based education, the institute uses the CO- PO Mapping and CO Attainment assessment strategies.

IQAC has always been in pursuit to raise the academic and professional standards in the institution. IQAC ensures that the

Academic Audit of all the departments is timely conducted at the end of the semester. Online platforms including Google Meet have been used for academic delivery and evaluation. The necessary study materials were also made available to the students via Google Classroom.

1. **Boosting of placement activities and placements in (including Tier 1) companies:**

Personality Enhancement Programmes, mock- tests, aptitude tests, interviews etc. were conducted at college level to prepare the students for placement activities and to boost their confidence. Also, various companies like Deloitte, Google, Bebo Technologies, Tata Consultancy Services, Wartiz Technologies, Reliance Jio, Maruti Suzuki, IndiaMart, WIPRO, HCL, Dell, Tech Mahindra have conducted their placement drives through online/off campus/on campus mode. Around 100 students got placed in reputed companies including tier- 1 with good package.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.5.1_L2021-22.pdf
Upload any additional information	**No File Uploaded**

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

1. Professional development through Technical club activities: Technical club activities play a vital role in the professional development of students in an engineering college. These clubs provide a platform for students to apply their theoretical knowledge to practical projects and gain hands-on experience. Technical club activities foster teamwork and collaboration among students. Through group projects and activities, students learn how to work effectively in teams, delegate tasks, and communicate ideas. These skills are essential in the professional world, where engineers often work in interdisciplinary teams to solve complex problems. Further, technical clubs enable students to enhance their technical skills and knowledge. By participating in workshops, seminars, and competitions organized by these clubs, students get exposed to the latest trends and developments in their field.

2. Enhancement of quality education through feedback:

Every year, IQAC gathers student feedback via structured questionnaire. Feedback is gathered on components, instructional strategies, faculty development initiatives and institutional initiatives. Using the student feedback as a guide, actions are taken to raise the college's performance overall. The IQAC committee organizes, oversees and evaluates the institutional teachings, learning and other activities.

File Description	Documents
Paste link for additional information	https://bbsbec.edu.in/naac/AQAR_6.5.2_L2021-22.pdf
Upload any additional information	**No File Uploaded**

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

File Description	Documents
Paste web link of Annual reports of Institution	**Nil**
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

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 maintaining a working and learning environment that is free of intimidation, fear, bullying, revenge, and 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.

The institution aims to groom students to be self-reliant, specialists in their chosen discipline, continuous learners and effective communicators, aware of their social and civic responsibilities, and sensitive to gender issues with zero tolerance towards sexual harassment, women's safety, and security. Students of both genders are given equal opportunities to grow and develop into able and responsible citizens of the future.

File Description	Documents
Annual gender sensitization action plan	http://bbsbec.edu.in/wp-content/uploads/2019/10/Gender-Sensitisation-Action-Plan.pdf
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	http://bbsbec.edu.in/wp-content/uploads/2019/10/Gender-Equity-Promotion-Supporting-photos.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

Solid Waste Management

After collecting the waste from all around the college, waste segregation has been done into dry waste and wet waste. Waste is separated daily into different bags for the different categories of waste such as wet and dry waste, which are disposed off separately. The material is composted and evaluated as a fertilizing material. Composting of this waste resulted in the production of good quality materials that can be used as soil amendments and source of plant nutrients.

Liquid Waste Management

A sewage treatment plant is operational near the swimming pool since May 2015 and the capacity of the plant is 700m3/day. The sewage Treatment Plant is well-maintained by the College and functions efficiently. The Plant uses natural techniques to recycle water, making it eco-friendly. The purified water is used for irrigation and the excess is fed to a nearby water body.

E-Waste Management

The institute follows the E-Waste management policy of the state under the Environment (Protection) Act, of 1986 (29 of 1986). To tackle E-Waste, the college has signed MOU with RAMKY ENVIRO ENGINEERS LTD.

Waste Recycling System

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

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. **Restricted entry of automobiles** 2. **Use of bicycles/ Battery-powered vehicles** 3. **Pedestrian-friendly pathways** 4. **Ban on use of plastic** 5. **Landscaping**	A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institutional environment and	A. Any 4 or all of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	[View File]()
Certification by the auditing agency	[View File]()
Certificates of the awards received	[View File]()
Any other relevant information	[View File]()

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	`A. Any 4 or all of the above`

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File]()
Policy documents and information brochures on the support to be provided	[View File]()
Details of the Software procured for providing the assistance	[View File]()
Any other relevant information	[View File]()

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).

To commemorate the Birth anniversary of the Great Sikh Warrior and General Baba Banda Singh Bahadur, the college organizes the FATEH MARATHON every year. The aim of this activity is to rejuvenate the youth and to kindle their thoughts by realizing the sacrifices of the Great First Sikh General Baba Banda Singh Bahadur.

The institution organized a singing competition to create awareness about the process of elections for democracy, various SVEEP activities are conducted in the college.

The institution organized a Blood Donation Camp by the NSS and NCC units. The team of doctors from Blood Bank, Civil Hospital,Fatehgarh Sahib visited the college for managing this camp. Students were motivated to donate blood and were told about the significance of blood donation for the noble cause.

The B-Tech. Electrical Engineering Department organized the AMBUSH CUP which commenced a 3-Days event involving technical, cultural, and sports activities.

NSS Unit of The institution are organized a National level Online Poster Making Contest on the theme of "One Earth' World Environment Day".

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

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

Baba Banda Singh Bahadur Engineering College sensitizes the institution's students and employees 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. Educate the students and employees to become responsible citizens by sensitizing them to the country's constitution and giving back to society.

The students are motivated to take part in various constitutional obligations events like birth anniversary celebrations of national identities and blood donation camps. The institute also organizes a National Level E-Quiz on "Republic Day", Webinar (Expert Talk) on "Modern Day Intellectual Property" and celebrated World Water Day to spread awareness and encourage students to escalate moral and constitutional values back to mankind.

During the Covid-19 pandemic, the institute also organized a Covid vaccination camp for the institution's students and staff.

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	https://bbsbec.edu.in/outreach/sensitization/
Any other relevant information	https://bbsbec.edu.in/outreach/sensitization/

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	A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

The institution are on a mission towards better India. The institution celebrates Days of National Importance with fervor and festivity. Death and Birth anniversaries of great personalities, Important Days of National and International events are also celebrated meaningfully. The institution celebrates these days of national importance to recall the events and the contribution of our leaders in nation building pursuits. Thoughts of great Indian personalities are sowed into the young minds through the exhibitions and programmers are conducted in their remembrance with religious fervor. It inculcates a sense of pride among students as well as teachers. This helps students to feel at home and integrates the values of unity and diversity.

Following events are conducted annually on regular basis:

Fateh Marathon, Blood conation camp and Shri Sehaj Path Sahib is organized in remembrance of birth anniversary of Baba Banda Singh Bahadur.

National Mathematics day and National Science day is celebrated on 16th feb.

Organized one day educational trip to Mach Auto Expo 2022, Sahenwal, Ludhiana.

Ms. Mehakdeep Kaur, 3rd year CSE Student has been selected for the 'USA Grace Hopper Student Scholarship-2021'.

Ms. Harjas Kaur Ratol, 3rd year CSE student won 'Ureka's Global Youth Icon Challenge-2021'.

Flash cricket league organized on 16 march 2022.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	[View File](#)
Geo tagged photographs of some of the events	[View File](#)
Any other relevant information	[View File](#)

7.2 - Best Practices

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

PRACTICE 1: MENTOR-MENTEE SYSTEM

The mentor-Mentee System goal is to establish a trusted relationship between the Mentor and the mentee. Mentors act as guides by sharing their experiences of challenges and assertions required to progress through personal and professional life to reduce anxiety or concerns and act as role models for students. Every week anhourisdevotedinthetimetableas'MenteeSession'.

These are some evidence of success:

- **Improvement in discipline, interaction, and communication skills.**
- **Establishment of a vibrant relationship between teachers and students.**
- **Establishing a trusted relationship between teachers and parents.**

PRACTICE 2: PDP(Personality Development Program)

TheobjectiveofPDPistoprovidein-campusonlineandofflinepersonalityDevelopmentProgram. The central focus of his formation program is intra-personal development. The students are assigned to faculty members from their respective departments. Individuals tend to develop a positive attitude as a

result of personality development.

The major evidence of success are noticed as follows:

- The success rate of students in getting placed has improved constantly.
- The overall development of soft skills, team skills, leadership skills, attitude, and aptitude skills are lifelong assets for them.

File Description	Documents
Best practices in the Institutional website	https://bbsbec.edu.in/best-institutional-practices/
Any other relevant information	http://bbsbec.edu.in/naac/7.2.1_attendance.pdf

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 an eminent Centre of Learning with total commitment to providing career-focused technical training aimed at excellence in inter-disciplinary education, research, and innovation in order to produce socially responsible and synergetic leaders with a global profile. The distinctiveness of Baba Banda Singh Bahadur Engineering College lies primarily in creating a student and faculty-centric research environment. We encourage the faculty along with the undergraduate and postgraduate students to pursue research and innovation practices. In order to develop scholarly traits, institute encourages the research inductions at the undergraduate level under the guidance of faculty. For incubating research environment, a well-equipped research center has been established in the college. The faculty of the college not only provides guidance to the students but also works in a collaborative manner with them to provide a platform for budding researchers. The outcome of the same has come up in the form of collaborative patents, research publications, projects, and making and representing models at IITs and NITs.Responsibility, persistence, synthesis, analysis, thoroughness, teamwork, leadership,

commitment, patience, perspective-taking, and ethical behavior are the hallmarks of quality undergraduate research at BBSBEC. Understanding the need for the early genesis of these concepts in students, they are guided to take an active part in ongoing research activities in the college with full enthusiasm.

File Description	Documents
Appropriate web in the Institutional website	[View File](#)
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

The institute aims to promote a holistic environment in which students will be provided with high-quality teaching, learning, and assessment opportunities to enable them to develop skills and confidence for success in academics, placement opportunities, and entrepreneurship in the future.

The institute plans to increase its outreach to fulfill its social obligations in collaboration with the Ministry of Education, India & AICTEby implementing social welfare projects in rural areas which includes setting up of required infrastructure and dissemination of knowledge through seminars and carrying out activities for the benefit of the community and other stakeholders.

The institute will equip itself for the implementation of National Education Policy(NEP) reforms in education. A specialized committee will be formed to focus on the implementation of NEP guidelines.

The institute will be committed to delivering a personalized and professional support service to students from all backgrounds by providing them with world-class amenities and sports facilities in harmony with nature so that they can overcome their shortcomings and proceed toward success.

The Internal Quality Assurance Cell will focus on creating a research-oriented environment in the institute through the central Research & Innovation Centre(RIC) which encourages faculty and students to actively participate in conferences, workshops faculty development programs, and file patents throughout the year to promote skill development and entrepreneurship among students.