



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution		Sree Buddha College of Engineering
• Name of the Head of the institution		Dr. K. Krishnakumar
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone no./Alternate phone no.		04792375440
• Mobile no		944725403
• Registered e-mail		sreebuddha@ktu.edu.in
• Alternate e-mail		principal@sbce.ac.in
• Address		SREE BUDDHA COLLEGE OF ENGINEERING, NOORANAD
• City/Town		Alappuzha
• State/UT		Kerala
• Pin Code		690529
2.Institutional status		
• Affiliated /Constituent		Affiliated
• Type of Institution		Co-education
• Location		Rural

• Financial Status	Self-financing				
• Name of the Affiliating University	APJ Abdul Kalam Technological University				
• Name of the IQAC Coordinator	Dr. M. S. Senthil Saravanan				
• Phone No.	04792375442				
• Alternate phone No.	04792375442				
• Mobile	6369282379				
• IQAC e-mail address	sbceiqac@gmail.com				
• Alternate Email address	me.senthils@sbcemail.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://sbce.ac.in/academics/internal-quality-assurance-cell-iqac/				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://sbce.ac.in/academics/academic-calendar/				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.58	2014	10/12/2014	09/12/2019
Cycle 2	B+	2.64	2019	15/11/2019	14/11/2024
6.Date of Establishment of IQAC			06/09/2008		
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					
Mechanical Engineering	Research Promotion Scheme	AICTE	2022 and 3 years	140000					
Mechanical Engineering	Research Promotion Scheme	AICTE	2022 and 3 years	110000					
8. Whether composition of IQAC as per latest NAAC guidelines		No							
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 		No File Uploaded							
9. No. of IQAC meetings held during the year		4							
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 		Yes							
<ul style="list-style-type: none"> • 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							
<ul style="list-style-type: none"> • If yes, mention the amount 									
11. Significant contributions made by IQAC during the current year (maximum five bullets)									
Academic audit Review of University Examination results Patents and Funding Projects Annual Submission of report to NAAC Training and Placement Activities									
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
Academic Audit	Academic Audit was conducted successfully
Enhancement of Entrepreneurship skill among the students	Start up Programs were initiated
MoU with National Importance Institute/research Centers	MoU signed with CSIR-IMMT, Bhubaneswar
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
IQAC	31/05/2023
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2021-22	12/01/2023
15. Multidisciplinary / interdisciplinary	
<p>SBCE has a holistic multidisciplinary curriculum with a vision to equip the students with an overall knowledge on allied fields apart from their core subjects. Humanities, Science and Mathematics are an integral part of the engineering courses in the Institute. For every B.Tech. Course subjects like Physics, Chemistry, Mathematics, English, Environmental Science, Sustainable Engineering, Professional Ethics are taught in their course of study</p> <p>Course structure to be given...</p> <p>Credit based course on Environmental education is a part of the curriculum. Projects on community engagement and social service are undertaken by students every semester. For example, Distribution of necessary accessories to orphanages and old age homes, blood</p>	

donation camps, educating women on health and hygiene etc.

The institute has a research council and Innovation Cell where B.Tech, M.Tech. as well as Ph.D students are involved under the supervision of faculties in making models and finding solutions to the pressing issues and challenges of society. Some of the work has also been filed for patents.

The Institute organizes many interdisciplinary international conferences every year to promote a blending of different disciplines leading to the exchange of research ideas and knowledge on topics of overlapping domains.

16.Academic bank of credits (ABC):

Since the Institution is a Affiliated with APJ Abdul Kalam Technological University, Academic Bank of Credits is not possible.

17.Skill development:

The institution's skill development efforts resonate with that of National Skill Development Corporation evident through its enrichment of curriculum, electives, add-on courses etc.

The Institute organizes various model-making competitions and exhibitions, workshops, and live projects with industry collaboration for the students on a regular basis to encourage vocational education. External experts guide the students in the same during tri-mentoring sessions.

The soft skill development program is an integral part of every student's curriculum. Besides English Learning and Teaching Skills extra coaching classes is organized by the Institute where student participation is witnessed in large numbers every year.

Essential Skill Development and the Constitution of India are mandatory courses, which are compulsory for all students to get constitutional and citizenship values. Values and Ethics course is made mandatory for all to have ethical values inculcated. Different

social programs are organized and various NSS activities are organized by student chapters and clubs to imbibe the holistic human values needed for the overall character development of an individual. Mandatory Yoga class is organized for all students to assimilate the values needed to live a peaceful life.

Industry and Foreign Certification course is mandatory for all students where they have to score a minimum of 15 credit points to get their final degree.

Foreign Lecture series and Industry lecture series are organized for all students on regular basis

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

Efforts are Initiated to inculcate Indian Knowledge System among the Students

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

OBE was successfully implemented in 2015 onwards. SBCE is accredited with NBA during 2019-22 and further extended upto 2025

20.Distance education/online education:

Not Applicable. College is an affiliated Institution with APJ Abdul Kalam Technological University. The University not granted any distance/online programs to the affiliated colleges

Extended Profile

1.Programme

1.1 601

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

File Description	Documents
Data Template	View File

2.Student

2.1 1188

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 **126**

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

File Description	Documents
Data Template	View File

2.3 **204**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 **107**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 **93**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1	601
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1188
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	126
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	204
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	107
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	93
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	40
Total number of Classrooms and Seminar halls	
4.2	72098484.00
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	357
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The institution adheres to the university's curriculum and is affiliated with Kerala's APJ Abdul Kalam Technological University. According to AICTE guidelines, all newly registered students must participate in mandatory Induction Training in order to hone their language skills and foundational concepts. The institute's internal quality assurance procedure is managed by the Internal Quality Assurance Committee (IQAC), which was established in 2008 to keep up with the evolving needs of the curriculum. The University's Academic Calendar, which is meticulously observed, is used to schedule academic activities well in advance of the commencement of the semester. To help teachers implement cutting-edge teaching strategies and enhance the teaching and learning process, intensive teaching workshops and faculty development programmes are used. Students participate in learner-centric tactics such as web-related assignments, group discussions, and use of NPTEL lectures, projects, seminars, training programmes, industrial visit/internship, and more during the delivery of

academic courses. The timetable also includes seminar and library hours as well as Value-Added Programs (VAP). Regularly, both the student's attendance and the portions covered by the staff members are reviewed by the Department Heads and the Principal. A recent addition to the feedback procedure is the Student Affairs Council (SAC), which organises student-faculty discussions.

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)

Based on the university's (KTU) calendar, the institution has implemented a simplified academic calendar system. The Principal and the Head of Department (s) collaborate on the creation of the academic calendar. The dates for the start and completion of the syllabus, as well as the schedules for internal exams, are included in our academic calendar, which represents the institution's planning. It likewise demonstrates the dates of the term's end assessment and the beginning of the accompanying semester. Probable exam dates for theory, viva-voice, and practical exams are also included in the academic calendar. It helps to improve the qualities of teaching and learning. It also helps teachers and students understand how important professional standards are. Monthly curricular and extracurricular review meetings are held by the principal to ensure that all academic calendar activities are carried out and progressed. As a result of these review sessions, activity schedules are updated if necessary. In order to finish the syllabus before the university exams, additional lectures are also planned.

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

B. Any 3 of the above

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

59

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)

44

File Description	Documents
Any additional information	No File Uploaded
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

249

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

Courses like "Values and Ethics in Profession," "Human Resource Management," and "Environmental Science," among others, have been added to the Institute's curriculum in order to incorporate and combine crosscutting issues related to gender, the environment and sustainability, human values, and professional ethics, as part of its UG program. To raise awareness of gender issues, the college has a gender sensitization committee that organizes seminars, workshops, and group discussions. Boys and girls are treated equally by class representatives. Females make up about 40% of the student body, and the faculty is well-balanced. Female students are represented in the NSS and other committees without gender discrimination. Environment and sustainability are one of the Institute's most pressing concerns. The "Tree Plantation" and "Clean India Swachh Bharat Campaign" are popular examples of regular awareness campaigns. In order to provide students with fundamental information, the university has mandated that they study the "Constitution of India, Professional Ethics, and Sustainable Engineering."

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

36

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

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

258

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

A. All of the above

from the following stakeholders Students
Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
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	No File Uploaded
URL for feedback report	https://sbce.ac.in/feedback/

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

1185

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

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

126

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

2.2 - Catering to Student Diversity

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

Institute admits diversified students from different social and economic backgrounds and the ability and extent of learning of the students is highly influenced by their personal abilities and other attributes. Institute has developed a structured mechanism for assessing the learning levels of the students.

The first interaction occurs during the mandatory AICTE Induction Programme, with professors assessing, identifying, and differentiating the students. Mentees' learning ability is identified by the Mentors based on their academic performance, behaviour, social and psychological aspects during the individual interaction session. The first Continuous Evaluation (CA 1) process helps the faculty identify Slow and Advanced Learners. With regard to the program for Slow Learners, each mentor is assigned with a group of students per year to provide one-to-one counseling for overall improvement. Extra and Remedial classes are conducted for the slow learners including efforts to improve the basic skills in Mathematics and Engineering subjects.

Advanced learners are motivated to attend webinars, seminars, expert lectures and are encouraged to be members of various professional bodies like IEEE, CSI, E-Cell, publish papers, involve in innovative project and research work, enroll and get certified in MOOC courses and competitive examinations like GATE, GRE, CAT, etc.

File Description	Documents
Paste link for additional information	www.sbce.ac.in http://117.240.29.148/moodle/
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
1185	93

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

The college has been focusing on innovative and creative ways of disseminating, sharing, and facilitating knowledge development in students, adopting student-centric methods which are central to Outcome-Based Education (OBE).

Course Delivery Methods

Group discussions Seminars/Mini projects Technical Reports/ Case studies, Simulations and experimental exercises Lab experimental work Class Assignments/Quizzes

Individual learning

E-learning tools like NPTEL videos, SWAYAM, Coursera, IIT Bombay - Spoken Tutorial Project, etc. to let students learn independently and enhance classroom learning. Encouraged to enroll and get certification for add-on online courses for self-paced learning

. Experiential learning

Student-centric learning is provided in the practical sessions to apply concepts learned in the classroom. Internships/ Vocational training. Final Year group Projects, Technical Fest and Workshops. Short Visit to nearby industries/labs

Participative /collaborative learning

Exhibiting at intra-college, state, and national project competitions and technical festivals for R&D projects Invited talks by experts and alumni from the industry and academia. MOUs are signed with leading industries to bridge the gaps in the curriculum. Problem-based learning promotes students' critical thinking to find solutions in real-life situations. Faculty also

map the learning outcomes from the above initiatives.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	www.sbce.ac.in.http://117.240.29.148/moodle/

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

SBCE developed LMS Platform in-house for the faculty of the institute and is a learning platform used to augment and move existing learning environments online in the wake of the pandemic. All faculty and students are enrolled with their respective courses. They upload reading resources, assignments, and self study materials for enhancing learning process. A special course for internal faculty development, SBCE MOODLE-Getting Started, was designed and offered to Institute's faculty as it prepares for the scenario of online teaching in the face of continuing disruption of campus life on account of the COVID19 pandemic. Faculty use software such as SPSS, Mendeley, Grammarly, Turnitin for various purposes of teaching, learning and research. The Library provides access to over various online journals and different databases. All faculty and students use these database for teaching and learning process

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

93

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

2.4 - Teacher Profile and Quality

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

93

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

14

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

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

2.4.3.1 - Total experience of full-time teachers

18

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

2.5 - Evaluation Process and Reforms

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

The institution continuously monitors the changes that are happening at the university level and makes appropriate & effective changes in the internal evaluation system with each scheme change for UG PG programs. Continuous Semester Evaluation Two series tests and one model examination in theory courses and one model examination in case of practical are conducted in each semester. The department will carry out internal assessment on all subjects based on internal test performance and evaluation of assignments of the students. Continuous evaluation procedure is followed for practical courses. Internal assessment is based on continuous evaluation marks and end semester model examination marks. The Institute has taken the following measures for the effective implementation of the evaluation reforms introduced by the University: The Institute has exam cell coordinators from each department for the smooth conduct of examinations. The examination committee meets periodically to discuss all the examination related matters. At Institute level, effective implementation of tutorials and internal tests takes place. For smooth conduct of University theory examination, internal squad comprising of senior faculty members are appointed. The Institute sends its faculty members to the CV Camps as examiners to evaluate semester examination answer scripts.

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

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

The Central Examination Cell is supervised by a faculty member chosen by the authorities. Institute carefully adheres to the affiliating University's norms at the time of conducting Internal Tests and Semester Exams, All CA and ESE marks for Theory, Practical and Sessional are uploaded into the University portal and students can access them by logging in their own login ids. After publication of the results, a student can apply for Scrutiny. Viva-voce and lab copy evaluations are explained in front of students to keep the process transparent and minimize grievances. Project Seminars are held in Google Meet/Seminar Halls in front of the entire class ensure complete transparency in internal assessment

The Examination Cell, in close collaboration with the University, deals with any student grievances regarding Admit Cards, Registration Cards, etc. Any exam malpractice is reported to the Examination Cell and dealt with as per University guidelines. The University appoints observer during end semester exams and he has the right to report malpractices through online mode. If the student cannot substantiate his case to the satisfaction of the Committee, he has to repeat the examination the next semester

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/

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.

Institute follows the outcome-based education following Bloom's Taxonomy guidelines of NBA.

PSOs are identified after detailed deliberation with the stakeholders and are placed at prominent places including the labs and offices. The College is following the COs as specified by MAKAUT, in case the COs is not specified by the university, NBA guidelines are followed

The POs, PSOs, and COs are disseminated through Institute Website, Prospectus, Course file, Departments, Laboratories, etc. As a part of the Induction Programme, Institute apprise about POs, PSOs, and

COs, and other academic details to the fresh batch of students of respective academic programs. Each Course Outcome is mapped to Program Outcomes in terms of relevance. Three levels of relevance are based on the degree of correlation i.e. 1 for low, 2 for medium, and 3 for high correlation. The contribution of course to each PO is expressed in terms of the average relevance of COs mapped to that particular PO. Similarly, the value computed for all the courses including first-year courses is entered for the corresponding PO and PSOs. The agreed-upon COs form the basis for achieving POs and PSOs and thus contributing towards achieving the Mission and Vision of the Institute.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

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

The efficiency and effectiveness of the process of attainment of POs and COs is monitored, assessed, and improved by taking inputs from the discussion/suggestion/decision taken in the meetings of the Department Academic Council, Academic Council, and IQAC Cell.

The following method is used to assess course outcomes. Course attainment levels are defined based on prior performance and are expressed as a proportion of students achieving a target score.

Theory subjects: 1. Internal Evaluation (weightage 30%) Continuous internal assessment 1. External Evaluation (weightage 70%) University theory examination

Practical Subjects: 1. Internal Evaluation (weightage 50%) Lab performance Practical continuous assessment 1. External Evaluation (weightage 50%) University practical examination

Each CO has a target level and is achieved if the attainment is equal to or exceeds the target. Once the total attainment of CO is calculated, it is used for measuring the level of attainment of POs and PSOs.

Direct Attainment (80% weightage) and Indirect attainment (20% weightage). Direct attainment is calculated from CO attainment based on four Continuous Assessments and Semester Examination and Indirect attainment is calculated based on 25% Program Exit Survey + 50% Alumni survey + 25% Employer Survey

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/

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

195

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/

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://sbce.ac.in/academics/internal-quality-assurance-cell-igac/>

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)

1404063

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

8

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**

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	https://www.indiascienceandtechnology.gov.in/programme-schemes/research-and-development/aicte-research-promotion-scheme-rps

3.2 - Innovation Ecosystem

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

The Innovation and Entrepreneurship Development Centre (IEDC), SBCE along with the Institutions Innovation Council (IIC) organized a series of events to develop Innovation and Entrepreneurship ecosystem in SBCE during the academic year 2021-2022. These events were extremely useful to identify innovative student ideas for startups. It also helped the students to acquire many skills to perform well in the placement drives. We conducted many events which included webinars, workshops, ideation contest, hackathon etc since September 2021. A few students' ideas have been identified from these events for future startups. The financial expenses for these events were met from the IEDC fund of the Kerala Startup mission and financial support from the College management. Different departments have also contributed from their department fund.

Sree Buddha College of Engineering was approved as IEDC/Startup Boot camp under Kerala Startup Mission in August 2015. There is an extended facility named Sree Buddha Incubation Facility where preincubated start-ups can utilize the space for product development. IEDC provides a platform for industry-academia interaction for the innovative youth to know the essence of entrepreneurship. The continued efforts have resulted in our students proving them various state level platforms

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sbce.ac.in/iic/

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

2

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

0

File Description	Documents
URL to the research page on HEI website	https://sbce.ac.in/research/
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

12

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

3.3.3 - 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

43

File Description	Documents
Any additional information	No File Uploaded
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

All the departments in the college has extension activity cell which ensures the active participation of students from PG and UG level in its various endeavors. The departments select the volunteers from all the semesters and provide an opportunity to participate in extension activities. College organizes various extension activities to focus on social issues and to promote engineering awareness. The college has a strong NSS unit which is actively involved in social issues.

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

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

742

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

3.5 - 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

2

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
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

23

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution is spread across 29.29 acres with five distinct blocks -Mahatma Gandhi Block, Sarvepalli Radhakrishnan Block, Jawaharlal Nehru Block, Homi J Bhabha Block and M Visvesvaraya Block. The Mahatma Gandhi Block is shared by Departments of Biotechnology and Biochemical Engineering and Electronics and communication engineering, while M Visvesvaraya Block is shared by Departments of Mechanical Engineering and Electrical and Electronics Engineering. The classrooms, laboratories, and seminar halls are well equipped with LCD projectors, Wi-Fi enabled internet connectivity, and a public addressing system. The institute has a well-designed centralized seminar hall with a seating capacity of 200 people and separate seminar halls in

individual departments. The laboratories of every department are well equipped, and there are around 652 computers available in the institution. The Central Library holds a large volume of books, magazines, and newsletters along with a large number of National and International journals. The library is also equipped with a Digital Library, which allows students and staff members to access NPTEL lectures and IEEE Explorer for study and research purposes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/

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

Sports and Games:

The college boasts a well-equipped sports and games facility that spans across various areas of the campus. The football court, situated on the Northern side, has a vast area of 6.5 acres with a length of 80m and width of 50m, making it a perfect spot for football enthusiasts. Additionally, a cricket field is located on the main ground, along with a concrete net pitch that measures 30m in length, 15m in width, and 20m in height. The campus also has a kabaddi court in the Northern side, a basketball court in the Southern side, and an indoor court with a length of 40m, width of 30m, and height of 25m situated on the Eastern side. This indoor court has two badminton courts and is also used for yoga, table tennis, chess, and carroms.

Moreover, there are two outdoor shuttle badminton courts and two volleyball courts available for the students to access and practice. A permanent physical education director provides coaching and guidance for students interested in sports and games. The college sports council oversees all sports and games activities, and the gymnasium is available with a full-time trainer for students and faculty. The Ashoka Auditorium on the campus serves as a venue for cultural activities, including the annual tech fest, Arts Day celebration, and various NSS programs and departmental activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sbce.ac.in/facilities/other-facilities/

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

50

File Description	Documents
Upload any additional information	No File Uploaded
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)

1,04,09,640

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

4.2 - Library as a Learning Resource

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

ABOUT THE LIBRARY

The college library is an essential hub of knowledge and resources for the students, which is artistically designed and has a rich collection of more than 40,000 volumes, audio-visual materials, national and international journals, and newsletters. It provides ample opportunities for future research and has a seating capacity of 300 students. The library also has a separate enclave for research students and a reading room for the convenience of students. The library is entirely air-conditioned, and its management is fully automated with a multi-user library management software that integrates cataloguing and circulation services. Moreover, the library has an online digital archive of software, books, tutorials, and recorded lectures, which students can access remotely. Additionally, intranet sites with course materials and lecture slides are available for most courses.

The college library also has an excellent digital library system that provides access to four electronic databases, including more than 2922 e-journals and e-books, such as IEI Springerlink, NDL, DELNET, and NPTEL Videos, with multi-user accessibility. The library is an institutional member of DELNET, NDL, and IEI. A step-by-step user guide is also available on remote login to access the licensed e-resources. Users can authenticate themselves using their institutional email ID and password or access the resources using the common ID provided.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://sbce.ac.in/facilities/central-library/

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

File Description	Documents
Upload any additional information	No File Uploaded
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)

147530

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

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

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

15

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

The college is equipped with the latest IT infrastructure to facilitate the teaching and learning processes. The campus has 24X7 internet bandwidth services providing students and faculty with anytime and anywhere access to knowledge and learning resources. The college encourages the extensive use of ICT

resources, including the development and use of computer-aided teaching and learning materials. The college's library has an advanced web broadband office to provide a range of teaching and learning materials to students. The campus and hostel are Wi-Fi enabled with internet broadband speeds of 100Mbps ILL 1.4 since 30/4/2019 and 40Mbps NMEICT since 5/1/2019, and there are several access points located throughout the campus.

There are a total of 652 systems, including desktops and laptops, with individual configurations, along with 49 printers. The college has fully equipped computer labs, and an IT maintenance cell that looks after the maintenance of computers and peripherals, along with software updates on a regular basis. The college has a website coordinator who ensures the website is updated with every recent activity of the campus. The classrooms, seminar halls, and conference halls are equipped with LCD projectors with all accessories.

The college has a surveillance facility installed in various places, including classrooms inside the campus. The monitoring system is placed in the IT maintenance cell and is also connected to the principal's room. The Information Technology maintenance cell looks after the monitoring and records of the system. The campus is facilitated with a LAN having a speed of 1000Mbps.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sbce.ac.in/facilities/internet-lab/

4.3.2 - Number of Computers

375

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

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

the Institution

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

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)****22,464,121**

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

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

Sree Buddha College of Engineering (SBCE) has a team of housekeeping and technical staff for day-to-day maintenance of the premises. Maintenance services are also outsourced for buildings, equipment, vehicles, and computers. Electrical and electronics equipment are managed by the electrical maintenance team, while the ITS cell handles routine computer maintenance, software installations, and networking. The campus has multiple wells for water supply, and Aqua guard water purifiers are installed for clean drinking water. The college employs skilled workers for repair works related to buildings and furniture. The cleaning staff ensures regular cleaning of classrooms, corridors, toilets, office, library, and college compound. The laboratory facilities are maintained with an annual budget allocation for equipment procurement, maintenance, and repair. The library is regularly

monitored to ensure maintenance of books and facilities. The campus has a large parking area and a hygienic canteen that serves nutritious food. Liquid waste generated from various sources is treated as per standard procedures, and the institution maintains sports facilities for indoor and outdoor games. The computer systems and other sensitive equipment are provided with UPS systems to avoid any damage during power outages. Preventive and breakdown maintenance procedures are followed for computer labs and electrical and electronic equipment. Overall, SBCE is committed to maintaining its infrastructure and facilities for the benefit of its students and staff.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

181

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 benefitted by scholarships and free ships provided by the Government during the year (Data Template)	No File Uploaded

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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

181

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)	No File Uploaded

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://sbce.ac.in/facilities/cells-centers/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded

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

100

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

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)	No File Uploaded

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	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

143

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	No File Uploaded

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	No File Uploaded
Details of student progression to higher education	No File Uploaded

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

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

0

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	No File Uploaded

5.3 - Student Participation and Activities

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

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

4

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	View File
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)

The formation of Student Council through election by the student's .The college organizes different cultural activities through which the students flourish their hidden talent. To complete such extracurricular activities, teaching and non-teaching staffs of our college including the head of the institution play a significant role. The students of our college have showed their good performance every year in Youth Parliament Competition and thus they make a glorious history for the college. A wide range of topics from the different fields are submitted by the students and faculty members and before the final publication the writing articles are scrutinized by the magazines editorial board. As a result the magazine gives the students an opportunity to show their hidden talent beside the monotonous curriculum. Various track and field events are organized as a part of the annual sports meet of the institution NSS unit of our college perform a pivotal role in various kinds of activities like arranging Tree Plantation programme, Blood Donation camp, Campus Cleaning, establishment of practice camp, visiting adopted villages, organizing seminars, creating environmental awareness programmes in villages, AIDS, Dengue and Covid-19 awareness programmes, online cultural and Quiz competitions etc.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/facilities/cells-centers/
Upload any additional information	No File Uploaded

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

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

70

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)	No File Uploaded

5.4 - Alumni Engagement

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

The alumni association was started in the year 2006 and former students of UG and PG are enrolled in this body. This alumni association has been registered and a bank account to deal with all the contributions and expenditure of the association. Every Year in the month of October, all the members of the alumni association are invited to the college for a one day program the members of the alumni association interact with the present students and give them valuable guidance for placing themselves in the corporate world. Besides this the members also emphasize the skills the students must have in order to seek employment in the industry.

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

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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

Our governance body is so reflective and the prime focus is on the vision and mission of the institute.

VISION

- To create professionally competent Engineers with human values and social commitment.

MISSION

- Offer a well balanced curriculum with a student-centric approach.
- Encourage students to participate in innovation, lifelong learning and research.
- Impart ethical and human values focusing on rural needs and sustainability.

The following strategic characteristics and aspirations enable the College to realize its vision:

- Modern and precise educational experiences that develop the engineers
- Education and research partnerships with Universities, colleges and industries

- Undergraduate and Postgraduate programs that integrate global awareness, communication skills and team building across the curriculum
- Practical and responsible resource management;
- Training that prepares students for interdisciplinary engineering research and advanced problem solving
- Leadership and service to meet society needs.

Every year management designs and executes Short-term, Long-term plans integrating departmental plans and Principal's and stakeholders recommendations. The policy and planning are carried out according to consultation with stakeholders. Top management with the help of the academic council formulates quality policy and integrates the same in the strategic plan. Formulation of action plans and defining the policy objectives attempts to address the issues of systematic change in providing quality education. All the systems work together as a team aiming to be champions of organizational change.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/about-us/vision-and-mission/
Upload any additional information	No File Uploaded

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

The College follows the policy of decentralization. The Management delegates all the academic and non-academic decisions based on policy to the college council headed by the Principal. The college council formulates common working procedures and entrusts the implementation through departments.

The HoDs and the department coordinators manage the day to day activities of the department and keep a track of co-curricular and extra-curricular activities in the College. Other units of the college like sports, arts, library, NSS, IEDC etc. have operational autonomy under the guidance of the various committees/clubs/associations and students are well involved in the

decision-taking process of these bodies.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The college management gives liberal freedom and tractability to the Principal together With the department committees to lead all the academic activities of the College. They regularly meet and take necessary steps to formulate and implement strategic plans of the institution. Mentorship is introduced in all the departments and it is commendably supervised by the Principal. They invite suggestions from senior staff and to study the impulses of the institute in general and take steps for further improvements as far as they are within the capacity and recommend the management for modifications.

The following strategies are adopted by the institution to monitor and evaluate policies:

- Regular meetings of the Councils (Governing Council, Managing Council and IQAC)
- The feedback system
- Periodical Academic Audit Team visits to the departments (Twice in a Semester).
- Regular visits of the Principal to the departments and interaction with heads of the departments
- Heads of the departments monitor the system of each department regularly.
- Annual Evaluation and Presentation by each HoD regarding their activities.

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

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

Patron is the Chairman of the Sree Buddha Management Society. The Management council is responsible for Policy making and to verifying the reports through the Chairman, Secretary & Treasurer. The decision making procedures are made at appropriate levels in the organizational hierarchy. Statutory bodies such as IQAC, Anti-ragging Cell, Discipline committee etc., as per the university/government guidelines are also included in the organizational structure of the institution. A committee comprising of faculty members and administrative staff are involved in the planning and implementation, academic audit and evaluation. There are different bodies that give academic and administrative leadership to the institution.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://sbce.ac.in/organogram/
Upload any additional information	No File Uploaded

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

C. Any 2 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

Service Rules: The institution strictly follows the service rules according to the AICTE norms. It's been uploaded on the website too. The institution runs for 8 hours. The teaching and non-teaching faculty have the benefits of PF, ESI, Casual Leaves, Earned Leaves , Medical Leaves and Maternity leaves etc., Recruitment is taken place according to the norms of the University, a body comprising of Secretary, Dean Academic Affairs, Principal, HOD and Subject experts decides the worthiness of the faculty member by his/her performance in the interview according to the parameters they are looking for. Grievance Redressal Mechanism:

Once the members of the faculty, non-teaching staff or supporting staff concerning their appointments or employment where the grievances relate:

? To matters affecting themselves as individuals

? To matters affecting their personal dealings or relationship with other staff members of the college or students

? If other remedies within the faculty, staff, department or other similar area have been exhausted, the member of the staff may raise the matter with the Head of the department or similar authority.

? If the staff member is dissatisfied with the result of approach as mentioned above or if the grievance directly concerns the HOD of the department , the staff member may directly approach the Principal for the redressal of his/her grievance.

? If the Principal feels that the grievance is trivial or invalid, he will take no action upon it. If he feels otherwise he shall inform the grievance committee and take the action accordingly.

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

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

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

0

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

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

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

6

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

27

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

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

Teaching Faculty

a) The performance of each faculty member is assessed according to the Annual Self Appraisal System.

b) The Institute accords appropriate weightage for these contributions in their overall assessment. The teacher's performance is appraised through his/her implementation of innovative methodologies in classroom lectures, seminars, tutorials, course delivery, question paper setting and evaluation, updating of materials, etc. The performance of the faculty are evaluated based on professional contribution to academics, contribution to short-term training courses, contribution to College administrative bodies such as college academic council, Research council, the strategic planning committee, NBA, NAAC, ARIIA, etc. Also, their research interests are evaluated based on their participation in conferences, workshops, publications in Scopus indexed journals, book publications, sponsored projects consultancy, research supervision, awards, honors, fellowships, etc.

c) Performance appraisal filled in the prescribed format is verified by HOD to assess the attitudinal/behavioral/professional aspects of the faculty concerned. Then it is reviewed by the principal and Management.

Non-Teaching Staff

All non-teaching staff is also assessed through annual confidential reports. A few strategies are observed in appraising non-teaching staff's performance this includes the technical contribution of individuals such as subject knowledge, awareness, productivity, quality, innovation willingness to learn, diligence, etc.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/wp-content/uploads/2021/12/Faculty-Appraisal-updated.pdf
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

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

Before the commencement of every financial year, the principal submits a proposal on budget allocation, by considering the recommendations made by the HoDs to the management.

The college budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges and non-recurring expenses like lab equipment purchases, furniture, and other development expenses.

INTERNAL AUDIT

All vouchers are audited by the internal financial committee on a half-yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. The committee thoroughly verifies the income and expenditure details and the compliance report of the internal audit are submitted to the management through the principal.

EXTERNAL AUDIT

The accounts of the college are audited by chartered accountants as per the government rules. The auditor ensures that all payments are duly authorized. After the audit, the report is sent to the management for review. Any queries, in the process of audit, would be attended immediately along with the supporting documents within the prescribed time limits. The institution did not come across any major audit objection during the preceding years. The audited statement is duly signed by the authorities of the management and chartered accountant.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/audit-report/
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)

nil

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

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

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

Institute maintains & follows a well-planned process for the mobilization of funds and resources. The process involves the Principal, Department Heads, and Accounts office.

Mobilization of Funds

- The student Tuition fee is the major source of income for the institute.
- Fees charged are as per the university/government norms.
- Government agencies like KTU, AICTE sponsor events like seminars, FDPs and workshops on sanction of application from faculties.

Resource Mobilization Policy and Procedure

- The budget is scrutinized and approved by the management and a regular internal audit from the Chartered Accountant.

Utilization of Funds

- The department or the office seeks quotations from vendors for the purchase.
- The quotations are scrutinized by the HoD and the recommendations from the Principal; a final decision is made by Management.

Institutional Strategy for mobilization of funds and optimal utilization of resources

- The college aims at promoting research, development and consultancy.

- Beyond regular college hours, to conduct remedial classes and co-curricular activities/extra-curricular activities.
- Library also functions beyond college hours.
- The college infrastructure is utilized as an examination centre for Government examinations/University Examinations and entrance examinations.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/audit-report/
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

The IQAC has immensely contributed to the implementation of quality assurance strategies and processes at all levels. Since 2008, IQAC has been performing the following tasks on a regular basis:

1. Improvement in quality of teaching and research by regular inputs to all concerned
2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
3. Providing inputs for Academic and Administrative Audit and suggesting actions to DAB to be implemented in weak areas.
4. Research sharing and networking with other institutions in India and abroad

IQAC prepares, evaluates, and recommends the following for approval by the relevant Institute and Govt. statutory authorities:

- (a) Annual Quality Assurance Report (AQAR)
- (b) Self-Study Reports of various accreditation bodies (ISO 9001, UGC 12b, NAAC, NIRF, NBA)
- (c) Performance Based Appraisal System

(d) Stakeholder's feedback**(e) Action Taken Reports****(f) New Programmes as per National Missions and Govt. Policies****ACADEMIC AUDIT:**

The college conducts an academic audit of each department every year through IQAC to increase and maintain the quality of education. The audit committee visits each department and the course files, as well as lab files, are checked properly.

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

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

The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process.

- The Academic Calendar is prepared in advance and circulated in the Institute, and strictly followed.
- All newly admitted students have to compulsorily attend the Orientation Programme, in which they are made aware of the teaching-learning process, the system of continuous evaluation, compulsory core courses, various curricular activities, discipline, and working system of the Institute, etc.
- Students are made aware of the Time-Table, Programme structure, syllabi of the courses before the semester commences.
- Conducts of classes are monitored by the Principal, HODs, and advisors of various classes.
- Class Committees are regularly conducted with students to take feedback and appropriate steps are taken to enhance the teaching-learning process.
- Feedback from students is also taken individually in online mode by advisors for all courses.
- Feedback is properly analyzed and shared with HoDs and

Individual faculty members.

- The teaching-learning processes are reviewed, and improvements are implemented, based on the IQAC recommendations.

The major initiatives taken over the last five years include the following:

- MoUs with prestigious Institutes, Universities, Govt. agencies
- Application for NIRF and NBA Certifications

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/
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

7.1.1.1 Annual gender sensitization action plan

Women's empowerment and gender equality are one of the primary concerns at Sree Buddha College of Engineering, Pattoor. We practice to bring a positive change in the attitude and support equity among genders within the institute and in our outreach. Annual gender sensitization plan for 2021-22 is as follows.

- To promote inclusiveness, tolerance, harmony and women's empowerment among the students and staff.
- Conduct activities like Blood donation camp in connection with National Service Scheme etc in order to give back to the society
- Promoting activities related to health, self-defence and entrepreneurship among the female students.
- Conduct workshops related to cybercrime, safety and security in hotels and career enhancement for female students.
- Provide professional counselling to the students.
- Mentorship in college to be provided where faculty and students can approach in matters of gender-related issues.
- Monitoring and evaluation mechanisms for implementation and their follow-ups. Conducting regular awareness-raising activities among students and staff
- Balanced gender quota while recruitment.
- Student's code of conduct that promotes gender parity at the governance level.
 - Making them technically equally equipped to face the future market scenarios.

File Description	Documents
Annual gender sensitization action plan	https://sbce.ac.in/wp-content/uploads/2023/02/7.1.1-annual-gender-sensitisation-plan-gender-equity-programmes..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	https://sbce.ac.in/wp-content/uploads/2022/03/7.1.1-1.pdf

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

B. Any 3 of the above

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

A solid waste management unit was established in SBCE based on an MoU signed on 20th March 2016 between the management and Engen Dealers and Consultants Private Limited, Thiruvananthapuram. A webinar by Dr. Chinchu Cherian, Post Doctoral Research Fellow, School of Engineering, University of British Columbia, Canada, on "Advances and Prospects in Solid Waste Management" was organized by the Department of Civil Engineering in association with Centre for Innovation and Research (CIR) of Sree Buddha College of Engineering, Pattoor on 30th April, 2021.

Sewage Water Treatment:

The effluent from the campus is treated and the recycled water is used for gardening. The capacity of the treatment plant is 30 kilolitres per day.

Liquid Waste Management:

Liquid waste from sanitation is let into the appropriate drainage system. Storm water runoff is routed for plantation.. The campus landscape allows excellent percolation of rain water into the ground.

E-waste Management:

Some of the initiative conducted in campus for e-waste management:

- "Energy & Environment Conservation Club"
-
- A seminar on "E-Waste and other Hazardous Wastes Management"
- Collection of E-waste by students from an adopted village for three days (6,13,22 January 2018) in consultation with Clean Kerala Company, Thiruvananthapuram.

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

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	View File

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

B. Any 3 of the above

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms.

Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

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

B. Any 3 of the above

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

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

Institution provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Different sports and

cultural activities organized inside the college promote harmony towards each other. Commemorative days like Engineer's Day, Environment Day, Women's Day along with many regional festivals like Onam are celebrated in the college. This establishes positive interaction among people of different racial and cultural backgrounds. There are different grievance redressal cells in the institute like Student grievance redressal cell, Women grievance redressal cell which deal with grievances without considering anyone's racial or cultural background. Institute has code of ethics for students and a separate code of ethics for teachers and other employees which has to be followed by each one of them irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities.

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

Every year Institute celebrates Republic Day and Independence Day with great pomp. Death and birth anniversaries of great personalities and Important National and International days are also celebrated meaningfully. The institution celebrates these days of national importance to recall the events or contribution of our leaders in building the nation. Thoughts of great Indian personalities sowed into the young minds through exhibitions and programmes conducted on these days.

Sl. No.

Year

Title of the programme/Activity

Duration (from-to)

Number of participants

1

2021-22

Janani- Mother's Day Celebration

9th May 2021

120

2

2021-22

"Prithvi"-Earth Day celebration

22-04-2021

111

3

2021-22

A technical talk was organised as part of Engineers Day 2021 celebrations

15 - 9-2021

100 participants

4

2021-22

World Cancer Day

February 4, 2022

30

5

2021-22

International Womens Day

March 8,2022

30

6

2021-22

ONLINE QUIZ AS APART OF INTELLECTUAL PROPERTY DAY CELEBRATION

26/04/2022

121

7

2021-22

ONLINE QUIZ AS A PART OF NATIONAL TECHNOLOGY DAY CELEBRATION

05-11-2022

187

8

2021-22

On line design competition & World Environment Day celebrations

05-6-2021 & 06-06-2021

15 team

9

2021-22

SRAAVANOLSAVAM- E Onam, Nammude Onam

24th August 2021

128

10

2021-22

World Food Day webinar

20th October 2021

35

11

2021-22

WORLD ORGAN DONATION DAY

13th August 2021

56

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://sbce.ac.in/wp-content/uploads/2023/02/final-1-1.pdf
Any other relevant information	Nil

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

4. Annual awareness programmes on Code of Conduct are organized.

D. Any 1 of the above

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

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

Sree Buddha college of Engineering celebrated 10 commemorative days both national as well as international from June 2021 to June 2022 like Independence Day, Engineers Day, World Cancer Day, etc. The detailed list is given below.

Year

Date and duration of the initiative

Name of the initiative

Number of participating students and staff

2021-22

9th May 2021

Janani- Mother's Day Celebration

120

2021-22

22-04-2021

"Prithvi"-Earth Day celebration

111

2021-22

15 - 9-2021

A technical talk was organised as part of Engineers Day 2021 celebrations

100 participants

2021-22

February 4,2022

World Cancer Day

2021-22

March 8,2022

International Womens Day

2021-22

26/04/2022

ONLINE QUIZ AS APART OF INTELLECTUAL PROPERTY DAY CELEBRATION

121

2021-22

05-11-2022

ONLINE QUIZ AS A PART OF NATIONAL TECHNOLOGY DAY CELEBRATION

187

2021-22

05-6-2021 & 06-06-2021

On line design competition & World Environment Day celebrations

15 team

2021-22

24th August 2021

SRAAVANOLSAVAM- E Onam, Nammude Onam

128

2021-22

20th October 2021

World Food Day webinar

35

2021-22

13th August 2021

WORLD ORGAN DONATION DAY

56

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	No File Uploaded

7.2 - Best Practices

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

BEST PRACTICES-I

Title of the practice : Project Based learning Objective

Project Based Learning (PBL) prepares students for academic, personal, and career success, and readies young people to rise to the challenges of their lives and the world they will inherit. The objectives of PBL are

- To improve the mathematical skills of the students
- To enhance the students to acquire deeper knowledge through active exploration of real world challenges and problems.

Title of the practice : Ideate Innovate Incubate (I3) @ Sree Buddha Incubation Centre

Objective

The objectives of I3 are

- Inculcate a culture of entrepreneurship through innovative student projects.
- Apply institutional mechanism to develop entrepreneurial culture among the students.
- Promote employment opportunities through innovation.

File Description	Documents
Best practices in the Institutional website	https://sbce.ac.in/wp-content/uploads/2022/03/Best-Practices-converted.pdf
Any other relevant information	Nil

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

An institution pursues distinctiveness as a way of focusing intellectual energy and using its limited resources wisely. The effort to be distinctive must be in harmony with the vision of the institution, Sree Buddha College of Engineering. The themes are as follows:

Engaged in student centric learning & community

- Excellence in teaching
- Scholarship to meritorious & financially weaker students

- Undergraduate research promotion
- Learning through experience & research
- Service focus on campus and in the community
- Dynamic location leading to life enrichment

An Incubation Cell affiliated to IEDC provides guidance and physical resources required to initiate a start-up. This helps in cultivating entrepreneurship skill among students. As a result, the projects completed by students often initiate a start-up. Campus situated in a rural and backward area of Alappuzha district in Kerala. A number of societal service activities are carried out by NSS volunteers to develop the local students by providing a world class education through student centric learning and socially relevant projects.

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

The institution adheres to the university's curriculum and is affiliated with Kerala's APJ Abdul Kalam Technological University. According to AICTE guidelines, all newly registered students must participate in mandatory Induction Training in order to hone their language skills and foundational concepts. The institute's internal quality assurance procedure is managed by the Internal Quality Assurance Committee (IQAC), which was established in 2008 to keep up with the evolving needs of the curriculum. The University's Academic Calendar, which is meticulously observed, is used to schedule academic activities well in advance of the commencement of the semester. To help teachers implement cutting-edge teaching strategies and enhance the teaching and learning process, intensive teaching workshops and faculty development programmes are used. Students participate in learner-centric tactics such as web-related assignments, group discussions, and use of NPTEL lectures, projects, seminars, training programmes, industrial visit/internship, and more during the delivery of academic courses. The timetable also includes seminar and library hours as well as Value-Added Programs (VAP). Regularly, both the student's attendance and the portions covered by the staff members are reviewed by the Department Heads and the Principal. A recent addition to the feedback procedure is the Student Affairs Council (SAC), which organises student-faculty discussions.

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)

Based on the university's (KTU) calendar, the institution has implemented a simplified academic calendar system. The

Principal and the Head of Department (s) collaborate on the creation of the academic calendar. The dates for the start and completion of the syllabus, as well as the schedules for internal exams, are included in our academic calendar, which represents the institution's planning. It likewise demonstrates the dates of the term's end assessment and the beginning of the accompanying semester. Probable exam dates for theory, viva-voice, and practical exams are also included in the academic calendar. It helps to improve the qualities of teaching and learning. It also helps teachers and students understand how important professional standards are. Monthly curricular and extracurricular review meetings are held by the principal to ensure that all academic calendar activities are carried out and progressed. As a result of these review sessions, activity schedules are updated if necessary. In order to finish the syllabus before the university exams, additional lectures are also planned.

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

B. Any 3 of the above

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

1.2 - Academic Flexibility**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented****1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented****59**

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)****44**

File Description	Documents
Any additional information	No File Uploaded
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**249**

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

Courses like "Values and Ethics in Profession," "Human Resource Management," and "Environmental Science," among others, have been added to the Institute's curriculum in order to incorporate and combine crosscutting issues related to gender, the environment and sustainability, human values, and professional ethics, as part of its UG program. To raise awareness of gender issues, the college has a gender sensitization committee that organizes seminars, workshops, and group discussions. Boys and girls are treated equally by class representatives. Females make up about 40% of the student body, and the faculty is well-balanced. Female students are represented in the NSS and other committees without gender discrimination. Environment and sustainability are one of the Institute's most pressing concerns. The "Tree Plantation" and "Clean India Swachh Bharat Campaign" are popular examples of regular awareness campaigns. In order to provide students with fundamental information, the university has mandated that they study the "Constitution of India, Professional Ethics, and Sustainable Engineering."

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

36

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

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

258

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	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
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
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File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://sbce.ac.in/feedback/

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

1185

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

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

126

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

2.2 - Catering to Student Diversity

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

Institute admits diversified students from different social and economic backgrounds and the ability and extent of learning of the students is highly influenced by their personal abilities

and other attributes. Institute has developed a structured mechanism for assessing the learning levels of the students.

The first interaction occurs during the mandatory AICTE Induction Programme, with professors assessing, identifying, and differentiating the students. Mentees' learning ability is identified by the Mentors based on their academic performance, behaviour, social and psychological aspects during the individual interaction session. The first Continuous Evaluation (CA 1) process helps the faculty identify Slow and Advanced Learners. With regard to the program for Slow Learners, each mentor is assigned with a group of students per year to provide one-to-one counseling for overall improvement. Extra and Remedial classes are conducted for the slow learners including efforts to improve the basic skills in Mathematics and Engineering subjects.

Advanced learners are motivated to attend webinars, seminars, expert lectures and are encouraged to be members of various professional bodies like IEEE, CSI, E-Cell, publish papers, involve in innovative project and research work, enroll and get certified in MOOC courses and competitive examinations like GATE, GRE, CAT, etc.

File Description	Documents
Paste link for additional information	www.sbce.ac.in.http://117.240.29.148/moodle/
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
1185	93

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

The college has been focusing on innovative and creative ways of disseminating, sharing, and facilitating knowledge development in students, adopting student-centric methods which are central to Outcome-Based Education (OBE).

Course Delivery Methods

Group discussions Seminars/Mini projects Technical Reports/
Case studies, Simulations and experimental exercises Lab
experimental work Class Assignments/Quizzes

Individual learning

E-learning tools like NPTEL videos, SWAYAM, Coursera, IIT Bombay - Spoken Tutorial Project, etc. to let students learn independently and enhance classroom learning. Encouraged to enroll and get certification for add-on online courses for self-paced learning

. Experiential learning

Student-centric learning is provided in the practical sessions to apply concepts learned in the classroom. Internships/
Vocational training. Final Year group Projects, Technical Fest and Workshops. Short Visit to nearby industries/labs

Participative /collaborative learning

Exhibiting at intra-college, state, and national project competitions and technical festivals for R&D projects Invited talks by experts and alumni from the industry and academia. MOUs are signed with leading industries to bridge the gaps in the curriculum. Problem-based learning promotes students' critical thinking to find solutions in real-life situations. Faculty also map the learning outcomes from the above initiatives.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	www.sbce.ac.in http://117.240.29.148/moodle/

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write

description in maximum of 200 words

SBCE developed LMS Platform in-house for the faculty of the institute and is a learning platform used to augment and move existing learning environments online in the wake of the pandemic. All faculty and students are enrolled with their respective courses. They upload reading resources, assignments, and self study materials for enhancing learning process. A special course for internal faculty development, SBCE MOODLE-Getting Started, was designed and offered to Institute's faculty as it prepares for the scenario of online teaching in the face of continuing disruption of campus life on account of the COVID19 pandemic. Faculty use software such as SPSS, Mendeley, Grammarly, Turnitin for various purposes of teaching, learning and research. The Library provides access to over various online journals and different databases. All faculty and students use these database for teaching and learning process

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

93

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

2.4 - Teacher Profile and Quality

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

93

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

14

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

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

2.4.3.1 - Total experience of full-time teachers

18

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

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and

mode. Write description within 200 words.

The institution continuously monitors the changes that are happening at the university level and makes appropriate & effective changes in the internal evaluation system with each scheme change for UG PG programs. Continuous Semester Evaluation Two series tests and one model examination in theory courses and one model examination in case of practical are conducted in each semester. The department will carry out internal assessment on all subjects based on internal test performance and evaluation of assignments of the students. Continuous evaluation procedure is followed for practical courses. Internal assessment is based on continuous evaluation marks and end semester model examination marks. The Institute has taken the following measures for the effective implementation of the evaluation reforms introduced by the University: The Institute has exam cell coordinators from each department for the smooth conduct of examinations. The examination committee meets periodically to discuss all the examination related matters. At Institute level, effective implementation of tutorials and internal tests takes place. For smooth conduct of University theory examination, internal squad comprising of senior faculty members are appointed. The Institute sends its faculty members to the CV Camps as examiners to evaluate semester examination answer scripts.

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

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

The Central Examination Cell is supervised by a faculty member chosen by the authorities. Institute carefully adheres to the affiliating University's norms at the time of conducting Internal Tests and Semester Exams, All CA and ESE marks for Theory, Practical and Sessional are uploaded into the University portal and students can access them by logging in their own login ids. After publication of the results, a student can apply for Scrutiny. Viva-voce and lab copy evaluations are explained in front of students to keep the process transparent and minimize grievances. Project Seminars are held in Google Meet/Seminar Halls in front of the entire

class ensure complete transparency in internal assessment

The Examination Cell, in close collaboration with the University, deals with any student grievances regarding Admit Cards, Registration Cards, etc. Any exam malpractice is reported to the Examination Cell and dealt with as per University guidelines. The University appoints observer during end semester exams and he has the right to report malpractices through online mode. If the student cannot substantiate his case to the satisfaction of the Committee, he has to repeat the examination the next semester

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://sbce.ac.in/academics/internal-quality-assurance-cell-iqac/

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.

Institute follows the outcome-based education following Bloom's Taxonomy guidelines of NBA.

PSOs are identified after detailed deliberation with the stakeholders and are placed at prominent places including the labs and offices. The College is following the COs as specified by MAKAUT, in case the COs is not specified by the university, NBA guidelines are followed

The POs, PSOs, and COs are disseminated through Institute Website, Prospectus, Course file, Departments, Laboratories, etc. As a part of the Induction Programme, Institute apprise about POs, PSOs, and COs, and other academic details to the fresh batch of students of respective academic programs. Each Course Outcome is mapped to Program Outcomes in terms of relevance. Three levels of relevance are based on the degree of correlation i.e. 1 for low, 2 for medium, and 3 for high correlation. The contribution of course to each PO is expressed in terms of the average relevance of COs mapped to that particular PO. Similarly, the value computed for all the courses including first-year courses is entered for the corresponding PO and PSOs. The agreed-upon COs form the basis

for achieving POs and PSOs and thus contributing towards achieving the Mission and Vision of the Institute.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

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

The efficiency and effectiveness of the process of attainment of POs and COs is monitored, assessed, and improved by taking inputs from the discussion/suggestion/decision taken in the meetings of the Department Academic Council, Academic Council, and IQAC Cell.

The following method is used to assess course outcomes. Course attainment levels are defined based on prior performance and are expressed as a proportion of students achieving a target score.

Theory subjects: 1. Internal Evaluation (weightage 30%)
Continuous internal assessment 1. External Evaluation (weightage 70%) University theory examination

Practical Subjects: 1. Internal Evaluation (weightage 50%) Lab performance Practical continuous assessment 1. External Evaluation (weightage 50%) University practical examination

Each CO has a target level and is achieved if the attainment is equal to or exceeds the target. Once the total attainment of CO is calculated, it is used for measuring the level of attainment of POs and PSOs.

Direct Attainment (80% weightage) and Indirect attainment (20% weightage). Direct attainment is calculated from CO attainment based on four Continuous Assessments and Semester Examination and Indirect attainment is calculated based on 25% Program Exit Survey + 50% Alumni survey + 25% Employer Survey

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/

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

195

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/

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://sbce.ac.in/academics/internal-quality-assurance-cell-igac/>

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)

1404063

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

8

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

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	https://www.indiascienceandtechnology.gov.in/programme-schemes/research-and-development/aicte-research-promotion-scheme-rps

3.2 - Innovation Ecosystem

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

The Innovation and Entrepreneurship Development Centre (IEDC), SBCE along with the Institutions Innovation Council (IIC) organized a series of events to develop Innovation and Entrepreneurship ecosystem in SBCE during the academic year 2021-2022. These events were extremely useful to identify innovative student ideas for startups. It also helped the students to acquire many skills to perform well in the placement drives. We conducted many events which included webinars, workshops, ideation contest, hackathon etc since September 2021. A few students' ideas have been identified from these events for future startups. The financial expenses for these events were met from the IEDC fund of the Kerala Startup mission and financial support from the College management. Different departments have also contributed from their department fund.

Sree Buddha College of Engineering was approved as IEDC/Startup Boot camp under Kerala Startup Mission in August 2015. There is an extended facility named Sree Buddha Incubation Facility where preincubated start-ups can utilize the space for product development. IEDC provides a platform for industry-academia interaction for the innovative youth to know the essence of entrepreneurship. The continued efforts have resulted in our students proving them various state level platforms

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sbce.ac.in/iic/

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

2

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

0

File Description	Documents
URL to the research page on HEI website	https://sbce.ac.in/research/
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

12

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

3.3.3 - 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

43

File Description	Documents
Any additional information	No File Uploaded
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

All the departments in the college has extension activity cell which ensures the active participation of students from PG and UG level in its various endeavors. The departments select the volunteers from all the semesters and provide an opportunity to participate in extension activities. College organizes various extension activities to focus on social issues and to promote engineering awareness. The college has a strong NSS unit which is actively involved in social issues.

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

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

742

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

3.5 - 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

2

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
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

23

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution is spread across 29.29 acres with five distinct blocks -Mahatma Gandhi Block, Sarvepalli Radhakrishnan Block, Jawaharlal Nehru Block, Homi J Bhabha Block and M Visvesvaraya Block. The Mahatma Gandhi Block is shared by Departments of Biotechnology and Biochemical Engineering and Electronics and communication engineering, while M Visvesvaraya Block is shared by Departments of Mechanical Engineering and Electrical and Electronics Engineering. The classrooms, laboratories, and seminar halls are well equipped with LCD projectors, Wi-Fi enabled internet connectivity, and a public addressing system. The institute has a well-designed centralized seminar hall with a seating capacity of 200 people and separate seminar halls in

individual departments. The laboratories of every department are well equipped, and there are around 652 computers available in the institution. The Central Library holds a large volume of books, magazines, and newsletters along with a large number of National and International journals. The library is also equipped with a Digital Library, which allows students and staff members to access NPTEL lectures and IEEE Explorer for study and research purposes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/

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

Sports and Games:

The college boasts a well-equipped sports and games facility that spans across various areas of the campus. The football court, situated on the Northern side, has a vast area of 6.5 acres with a length of 80m and width of 50m, making it a perfect spot for football enthusiasts. Additionally, a cricket field is located on the main ground, along with a concrete net pitch that measures 30m in length, 15m in width, and 20m in height. The campus also has a kabaddi court in the Northern side, a basketball court in the Southern side, and an indoor court with a length of 40m, width of 30m, and height of 25m situated on the Eastern side. This indoor court has two badminton courts and is also used for yoga, table tennis, chess, and carroms.

Moreover, there are two outdoor shuttle badminton courts and two volleyball courts available for the students to access and practice. A permanent physical education director provides coaching and guidance for students interested in sports and games. The college sports council oversees all sports and games activities, and the gymnasium is available with a full-time trainer for students and faculty. The Ashoka Auditorium on the campus serves as a venue for cultural activities, including the annual tech fest, Arts Day celebration, and various NSS programs and departmental activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sbce.ac.in/facilities/other-facilities/

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

50

File Description	Documents
Upload any additional information	No File Uploaded
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)

1,04,09,640

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

4.2 - Library as a Learning Resource

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

ABOUT THE LIBRARY

The college library is an essential hub of knowledge and resources for the students, which is artistically designed and has a rich collection of more than 40,000 volumes, audio-visual materials, national and international journals, and newsletters. It provides ample opportunities for future research and has a seating capacity of 300 students. The library also has a separate enclave for research students and a reading room for the convenience of students. The library is entirely air-conditioned, and its management is fully automated with a multi-user library management software that integrates cataloguing and circulation services. Moreover, the library has an online digital archive of software, books, tutorials, and recorded lectures, which students can access remotely. Additionally, intranet sites with course materials and lecture slides are available for most courses.

The college library also has an excellent digital library system that provides access to four electronic databases, including more than 2922 e-journals and e-books, such as IEI Springerlink, NDL, DELNET, and NPTEL Videos, with multi-user accessibility. The library is an institutional member of DELNET, NDL, and IEI. A step-by-step user guide is also available on remote login to access the licensed e-resources. Users can authenticate themselves using their institutional email ID and password or access the resources using the common ID provided.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://sbce.ac.in/facilities/central-library/

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	No File Uploaded
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)

147530

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

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

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

15

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

The college is equipped with the latest IT infrastructure to facilitate the teaching and learning processes. The campus has 24X7 internet bandwidth services providing students and faculty with anytime and anywhere access to knowledge and learning resources. The college encourages the extensive use of ICT

resources, including the development and use of computer-aided teaching and learning materials. The college's library has an advanced web broadband office to provide a range of teaching and learning materials to students. The campus and hostel are Wi-Fi enabled with internet broadband speeds of 100Mbps ILL 1.4 since 30/4/2019 and 40Mbps NMEICT since 5/1/2019, and there are several access points located throughout the campus.

There are a total of 652 systems, including desktops and laptops, with individual configurations, along with 49 printers. The college has fully equipped computer labs, and an IT maintenance cell that looks after the maintenance of computers and peripherals, along with software updates on a regular basis. The college has a website coordinator who ensures the website is updated with every recent activity of the campus. The classrooms, seminar halls, and conference halls are equipped with LCD projectors with all accessories.

The college has a surveillance facility installed in various places, including classrooms inside the campus. The monitoring system is placed in the IT maintenance cell and is also connected to the principal's room. The Information Technology maintenance cell looks after the monitoring and records of the system. The campus is facilitated with a LAN having a speed of 1000Mbps.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sbce.ac.in/facilities/internet-lab/

4.3.2 - Number of Computers

375

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS
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File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

22,464,121

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

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

Sree Buddha College of Engineering (SBCE) has a team of housekeeping and technical staff for day-to-day maintenance of the premises. Maintenance services are also outsourced for buildings, equipment, vehicles, and computers. Electrical and electronics equipment are managed by the electrical maintenance team, while the ITS cell handles routine computer maintenance, software installations, and networking. The campus has multiple wells for water supply, and Aqua guard water purifiers are installed for clean drinking water. The college employs skilled workers for repair works related to buildings and furniture. The cleaning staff ensures regular cleaning of classrooms, corridors, toilets, office, library, and college compound. The

laboratory facilities are maintained with an annual budget allocation for equipment procurement, maintenance, and repair. The library is regularly monitored to ensure maintenance of books and facilities. The campus has a large parking area and a hygienic canteen that serves nutritious food. Liquid waste generated from various sources is treated as per standard procedures, and the institution maintains sports facilities for indoor and outdoor games. The computer systems and other sensitive equipment are provided with UPS systems to avoid any damage during power outages. Preventive and breakdown maintenance procedures are followed for computer labs and electrical and electronic equipment. Overall, SBCE is committed to maintaining its infrastructure and facilities for the benefit of its students and staff.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

181

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 benefitted by scholarships and free ships provided by the Government during the year (Data Template)	No File Uploaded

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**

181

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)	No File Uploaded

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://sbce.ac.in/facilities/cells-centers/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	No File Uploaded

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

100

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

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)	No File Uploaded

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	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

143

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	No File Uploaded

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	No File Uploaded
Details of student progression to higher education	No File Uploaded

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

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

0

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural

activities at university/state/national / international level (award for a team event should be counted as one) during the year

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

4

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	View File
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)

The formation of Student Council through election by the student's .The college organizes different cultural activities through which the students flourish their hidden talent. To complete such extracurricular activities, teaching and non-teaching staffs of our college including the head of the institution play a significant role. The students of our college have showed their good performance every year in Youth Parliament Competition and thus they make a glorious history for the college. A wide range of topics from the different fields are submitted by the students and faculty members and before the final publication the writing articles are scrutinized by the magazines editorial board. As a result the magazine gives the students an opportunity to show their hidden talent beside the monotonous curriculum. Various track and field events are organized as a part of the annual sports meet of the institution NSS unit of our college perform a pivotal role in various kinds of activities like arranging Tree Plantation programme, Blood Donation camp, Campus Cleaning, establishment of practice camp, visiting adopted villages, organizing seminars, creating environmental awareness programmes in villages, AIDS, Dengue and Covid-19 awareness programmes, online cultural and Quiz competitions etc.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/facilities/cells-centers/
Upload any additional information	No File Uploaded

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

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

70

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)	No File Uploaded

5.4 - Alumni Engagement

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

The alumni association was started in the year 2006 and former students of UG and PG are enrolled in this body. This alumni association has been registered and a bank account to deal with all the contributions and expenditure of the association. Every Year in the month of October, all the members of the alumni association are invited to the college for a one day program the members of the alumni association interact with the present students and give them valuable guidance for placing themselves in the corporate world. Besides this the members also emphasize the skills the students must have in order to seek employment in the industry.

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)

A. ? 5Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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

Our governance body is so reflective and the prime focus is on the vision and mission of the institute.

VISION

- To create professionally competent Engineers with human values and social commitment.

MISSION

- Offer a well balanced curriculum with a student-centric approach.
- Encourage students to participate in innovation, lifelong learning and research.
- Impart ethical and human values focusing on rural needs and sustainability.

The following strategic characteristics and aspirations enable

the College to realize its vision:

- Modern and precise educational experiences that develop the engineers
- Education and research partnerships with Universities, colleges and industries
- Undergraduate and Postgraduate programs that integrate global awareness, communication skills and team building across the curriculum
- Practical and responsible resource management;
- Training that prepares students for interdisciplinary engineering research and advanced problem solving
- Leadership and service to meet society needs.

Every year management designs and executes Short-term, Long-term plans integrating departmental plans and Principal's and stakeholders recommendations. The policy and planning are carried out according to consultation with stakeholders. Top management with the help of the academic council formulates quality policy and integrates the same in the strategic plan. Formulation of action plans and defining the policy objectives attempts to address the issues of systematic change in providing quality education. All the systems work together as a team aiming to be champions of organizational change.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/about-us/vision-and-mission/
Upload any additional information	No File Uploaded

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

The College follows the policy of decentralization. The Management delegates all the academic and non-academic decisions based on policy to the college council headed by the Principal. The college council formulates common working

procedures and entrusts the implementation through departments.

The HoDs and the department coordinators manage the day to day activities of the department and keep a track of co-curricular and extra-curricular activities in the College. Other units of the college like sports, arts, library, NSS, IEDC etc. have operational autonomy under the guidance of the various committees/clubs/associations and students are well involved in the decision-taking process of these bodies.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The college management gives liberal freedom and tractability to the Principal together With the department committees to lead all the academic activities of the College. They regularly meet and take necessary steps to formulate and implement strategic plans of the institution. Mentorship is introduced in all the departments and it is commendably supervised by the Principal. They invite suggestions from senior staff and to study the impulses of the institute in general and take steps for further improvements as far as they are within the capacity and recommend the management for modifications.

The following strategies are adopted by the institution to monitor and evaluate policies:

- Regular meetings of the Councils (Governing Council, Managing Council and IQAC)
- The feedback system
- Periodical Academic Audit Team visits to the departments (Twice in a Semester).
- Regular visits of the Principal to the departments and interaction with heads of the departments
- Heads of the departments monitor the system of each

department regularly.

• Annual Evaluation and Presentation by each HoD regarding their activities.

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

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

Patron is the Chairman of the Sree Buddha Management Society. The Management council is responsible for Policy making and to verifying the reports through the Chairman, Secretary & Treasurer. The decision making procedures are made at appropriate levels in the organizational hierarchy. Statutory bodies such as IQAC, Anti-ragging Cell, Discipline committee etc., as per the university/government guidelines are also included in the organizational structure of the institution. A committee comprising of faculty members and administrative staff are involved in the planning and implementation, academic audit and evaluation. There are different bodies that give academic and administrative leadership to the institution.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://sbce.ac.in/organogram/
Upload any additional information	No File Uploaded

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

C. Any 2 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

Service Rules: The institution strictly follows the service rules according to the AICTE norms. It's been uploaded on the website too. The institution runs for 8 hours. The teaching and non-teaching faculty have the benefits of PF, ESI, Casual Leaves, Earned Leaves , Medical Leaves and Maternity leaves etc., Recruitment is taken place according to the norms of the University, a body comprising of Secretary, Dean Academic Affairs, Principal, HOD and Subject experts decides the worthiness of the faculty member by his/her performance in the interview according to the parameters they are looking for.

Grievance Redressal Mechanism:

Once the members of the faculty, non-teaching staff or supporting staff concerning their appointments or employment where the grievances relate:

? To matters affecting themselves as individuals

? To matters affecting their personal dealings or relationship with other staff members of the college or students

? If other remedies within the faculty, staff, department or other similar area have been exhausted, the member of the staff may raise the matter with the Head of the department or similar authority.

? If the staff member is dissatisfied with the result of approach as mentioned above or if the grievance directly concerns the HOD of the department , the staff member may directly approach the Principal for the redressal of his/her

grievance.

? If the Principal feels that the grievance is trivial or invalid, he will take no action upon it. If he feels otherwise he shall inform the grievance committee and take the action accordingly.

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

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

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

0

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

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

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

6

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

27

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

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

Teaching Faculty

a) The performance of each faculty member is assessed according

to the Annual Self Appraisal System.

b) The Institute accords appropriate weightage for these contributions in their overall assessment. The teacher's performance is appraised through his/her implementation of innovative methodologies in classroom lectures, seminars, tutorials, course delivery, question paper setting and evaluation, updating of materials, etc. The performance of the faculty are evaluated based on professional contribution to academics, contribution to short-term training courses, contribution to College administrative bodies such as college academic council, Research council, the strategic planning committee, NBA, NAAC, ARIIA, etc. Also, their research interests are evaluated based on their participation in conferences, workshops, publications in Scopus indexed journals, book publications, sponsored projects consultancy, research supervision, awards, honors, fellowships, etc.

c) Performance appraisal filled in the prescribed format is verified by HOD to assess the attitudinal/behavioral/professional aspects of the faculty concerned. Then it is reviewed by the principal and Management.

Non-Teaching Staff

All non-teaching staff is also assessed through annual confidential reports. A few strategies are observed in appraising non-teaching staff's performance this includes the technical contribution of individuals such as subject knowledge, awareness, productivity, quality, innovation willingness to learn, diligence, etc.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/wp-content/uploads/2021/12/Faculty-Appraisal-updated.pdf
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

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

Before the commencement of every financial year, the principal

submits a proposal on budget allocation, by considering the recommendations made by the HoDs to the management.

The college budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges and non-recurring expenses like lab equipment purchases, furniture, and other development expenses.

INTERNAL AUDIT

All vouchers are audited by the internal financial committee on a half-yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. The committee thoroughly verifies the income and expenditure details and the compliance report of the internal audit are submitted to the management through the principal.

EXTERNAL AUDIT

The accounts of the college are audited by chartered accountants as per the government rules. The auditor ensures that all payments are duly authorized. After the audit, the report is sent to the management for review. Any queries, in the process of audit, would be attended immediately along with the supporting documents within the prescribed time limits. The institution did not come across any major audit objection during the preceding years. The audited statement is duly signed by the authorities of the management and chartered accountant.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/audit-report/
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)

nil

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

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

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

Institute maintains & follows a well-planned process for the mobilization of funds and resources. The process involves the Principal, Department Heads, and Accounts office.

Mobilization of Funds

- The student Tuition fee is the major source of income for the institute.
- Fees charged are as per the university/government norms.
- Government agencies like KTU, AICTE sponsor events like seminars, FDPs and workshops on sanction of application from faculties.

Resource Mobilization Policy and Procedure

- The budget is scrutinized and approved by the management and a regular internal audit from the Chartered Accountant.

Utilization of Funds

- The department or the office seeks quotations from vendors for the purchase.
- The quotations are scrutinized by the HoD and the recommendations from the Principal; a final decision is made by Management.

Institutional Strategy for mobilization of funds and optimal utilization of resources

- The college aims at promoting research, development and

consultancy.

- Beyond regular college hours, to conduct remedial classes and co-curricular activities/extra-curricular activities.
- Library also functions beyond college hours.
- The college infrastructure is utilized as an examination centre for Government examinations/University Examinations and entrance examinations.

File Description	Documents
Paste link for additional information	https://sbce.ac.in/audit-report/
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

The IQAC has immensely contributed to the implementation of quality assurance strategies and processes at all levels. Since 2008, IQAC has been performing the following tasks on a regular basis:

1. Improvement in quality of teaching and research by regular inputs to all concerned
2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
3. Providing inputs for Academic and Administrative Audit and suggesting actions to DAB to be implemented in weak areas.
4. Research sharing and networking with other institutions in India and abroad

IQAC prepares, evaluates, and recommends the following for approval by the relevant Institute and Govt. statutory authorities:

(a) Annual Quality Assurance Report (AQAR)

(b) Self-Study Reports of various accreditation bodies (ISO 9001, UGC 12b, NAAC, NIRF, NBA)

(c) Performance Based Appraisal System

(d) Stakeholder's feedback

(e) Action Taken Reports

(f) New Programmes as per National Missions and Govt. Policies

ACADEMIC AUDIT:

The college conducts an academic audit of each department every year through IQAC to increase and maintain the quality of education. The audit committee visits each department and the course files, as well as lab files, are checked properly.

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

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

The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process.

- The Academic Calendar is prepared in advance and circulated in the Institute, and strictly followed.
- All newly admitted students have to compulsorily attend the Orientation Programme, in which they are made aware of the teaching-learning process, the system of continuous evaluation, compulsory core courses, various curricular activities, discipline, and working system of the Institute, etc.
- Students are made aware of the Time-Table, Programme structure, syllabi of the courses before the semester commences.
- Conducts of classes are monitored by the Principal, HODs, and advisors of various classes.
- Class Committees are regularly conducted with students to take feedback and appropriate steps are taken to enhance the teaching-learning process.
- Feedback from students is also taken individually in

online mode by advisors for all courses.

- Feedback is properly analyzed and shared with HoDs and Individual faculty members.
- The teaching-learning processes are reviewed, and improvements are implemented, based on the IQAC recommendations.

The major initiatives taken over the last five years include the following:

- MoUs with prestigious Institutes, Universities, Govt. agencies
- Application for NIRF and NBA Certifications

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://sbce.ac.in/academics/internal-quality-assurance-cell-igac/
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

7.1.1.1 Annual gender sensitization action plan

Women's empowerment and gender equality are one of the primary concerns at Sree Buddha College of Engineering, Pattoor. We practice to bring a positive change in the attitude and support equity among genders within the institute and in our outreach. Annual gender sensitization plan for 2021-22 is as follows.

- To promote inclusiveness, tolerance, harmony and women's empowerment among the students and staff.
- Conduct activities like Blood donation camp in connection with National Service Scheme etc in order to give back to the society
- Promoting activities related to health, self-defence and entrepreneurship among the female students.
- Conduct workshops related to cybercrime, safety and security in hotels and career enhancement for female students.
- Provide professional counselling to the students.
- Mentorship in college to be provided where faculty and students can approach in matters of gender-related issues.

- Monitoring and evaluation mechanisms for implementation and their follow-ups. Conducting regular awareness-raising activities among students and staff
- Balanced gender quota while recruitment.
- Student's code of conduct that promotes gender parity at the governance level.
 - Making them technically equally equipped to face the future market scenarios.

File Description	Documents
Annual gender sensitization action plan	https://sbce.ac.in/wp-content/uploads/2023/02/7.1.1-annual-gender-sensitisation-plan-gender-equity-programmes..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	https://sbce.ac.in/wp-content/uploads/2022/03/7.1.1-1.pdf

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

B. Any 3 of the above

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

A solid waste management unit was established in SBCE based on an MoU signed on 20th March 2016 between the management and Engen Dealers and Consultants Private Limited, Thiruvananthapuram. A webinar by Dr. Chinchu Cherian, Post Doctoral Research Fellow, School of Engineering, University of British Columbia, Canada, on "Advances and Prospects in Solid Waste Management" was organized by the Department of Civil Engineering in association with Centre for Innovation and Research (CIR) of Sree Buddha College of Engineering, Pattoor on 30th April, 2021.

Sewage Water Treatment:

The effluent from the campus is treated and the recycled water is used for gardening. The capacity of the treatment plant is 30 kilolitres per day.

Liquid Waste Management:

Liquid waste from sanitation is let into the appropriate drainage system. Storm water runoff is routed for plantation.. The campus landscape allows excellent percolation of rain water into the ground.

E-waste Management:

Some of the initiative conducted in campus for e-waste management:

- "Energy & Environment Conservation Club"
-
- A seminar on "E-Waste and other Hazardous Wastes Management"
- Collection of E-waste by students from an adopted village for three days (6,13,22 January 2018) in consultation with Clean Kerala Company, Thiruvananthapuram.

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

B. Any 3 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	View File

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	B. Any 3 of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	B. Any 3 of the above

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

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

Institution provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Different sports and cultural activities organized inside the college promote harmony towards each other. Commemorative days like Engineer's Day, Environment Day, Women's Day along with many regional festivals like Onam are celebrated in the college. This establishes positive interaction among people of different racial and cultural backgrounds. There are different grievance redressal cells in the institute like Student grievance redressal cell, Women grievance redressal cell which deal with grievances without considering anyone's racial or cultural background. Institute has code of ethics for students and a separate code of ethics for teachers and other employees which has to be followed by each one of them irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities.

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

Every year Institute celebrates Republic Day and Independence Day with great pomp. Death and birth anniversaries of great personalities and Important National and International days are also celebrated meaningfully. The institution celebrates these days of national importance to recall the events or contribution of our leaders in building the nation. Thoughts of great Indian personalities sowed into the young minds through exhibitions and programmes conducted on these days.

Sl. No.

Year

Title of the programme/Activity

Duration (from-to)

Number of participants

1

2021-22

Janani- Mother's Day Celebration

9th May 2021

120

2

2021-22

"Prithvi"-Earth Day celebration

22-04-2021

111

3

2021-22

A technical talk was organised as part of Engineers Day 2021 celebrations

15 - 9-2021

100 participants

4

2021-22

World Cancer Day

February 4, 2022

30

5

2021-22

International Womens Day

March 8, 2022

30

6

2021-22

ONLINE QUIZ AS APART OF INTELLECTUAL PROPERTY DAY CELEBRATION

26/04/2022

121

7

2021-22

ONLINE QUIZ AS A PART OF NATIONAL TECHNOLOGY DAY CELEBRATION

05-11-2022

187

8

2021-22

On line design competition & World Environment Day celebrations

05-6-2021 & 06-06-2021

15 team

9

2021-22

SRAAVANOLSAVAM- E Onam, Nammude Onam

24th August 2021

128

10

2021-22

World Food Day webinar

20th October 2021

35

11

2021-22

WORLD ORGAN DONATION DAY

13th August 2021

56

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://sbce.ac.in/wp-content/uploads/2023/02/final-1-1.pdf
Any other relevant information	Nil

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

4. Annual awareness programmes on Code of Conduct are organized

D. Any 1 of the above

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

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

Sree Buddha college of Engineering celebrated 10 commemorative days both national as well as international from June 2021 to June 2022 like Independence Day, Engineers Day, World Cancer Day, etc. The detailed list is given below.

Year	
Date and duration of the initiative	
Name of the initiative	
Number of participating students and staff	
2021-22	
9th May 2021	
Janani- Mother's Day Celebration	
120	
2021-22	
22-04-2021	
"Prithvi"-Earth Day celebration	
111	
2021-22	
15 - 9-2021	
A technical talk was organised as part of Engineers Day 2021 celebrations	
100 participants	
2021-22	
February 4,2022	
World Cancer Day	
2021-22	
March 8,2022	
International Womens Day	

2021-22

26/04/2022

ONLINE QUIZ AS APART OF INTELLECTUAL PROPERTY DAY CELEBRATION

121

2021-22

05-11-2022

ONLINE QUIZ AS A PART OF NATIONAL TECHNOLOGY DAY CELEBRATION

187

2021-22

05-6-2021 & 06-06-2021

On line design competition & World Environment Day celebrations

15 team

2021-22

24th August 2021

SRAAVANOLSAVAM- E Onam, Nammude Onam

128

2021-22

20th October 2021

World Food Day webinar

35

2021-22

13th August 2021

WORLD ORGAN DONATION DAY

56

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	No File Uploaded

7.2 - Best Practices

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

BEST PRACTICES-I

Title of the practice : Project Based learning Objective

Project Based Learning (PBL) prepares students for academic, personal, and career success, and readies young people to rise to the challenges of their lives and the world they will inherit. The objectives of PBL are

- To improve the mathematical skills of the students
- To enhance the students to acquire deeper knowledge through active exploration of real world challenges and problems.

Title of the practice : Ideate Innovate Incubate (I3) @ Sree Buddha Incubation Centre

Objective

The objectives of I3 are

- Inculcate a culture of entrepreneurship through innovative student projects.
- Apply institutional mechanism to develop entrepreneurial culture among the students.
- Promote employment opportunities through innovation.

File Description	Documents
Best practices in the Institutional website	https://sbce.ac.in/wp-content/uploads/2022/03/Best-Practices-converted.pdf
Any other relevant information	Nil

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

An institution pursues distinctiveness as a way of focusing intellectual energy and using its limited resources wisely. The effort to be distinctive must be in harmony with the vision of the institution, Sree Buddha College of Engineering. The themes are as follows:

Engaged in student centric learning & community

- Excellence in teaching
- Scholarship to meritorious & financially weaker students
- Undergraduate research promotion
- Learning through experience & research
- Service focus on campus and in the community
- Dynamic location leading to life enrichment

An Incubation Cell affiliated to IEDC provides guidance and physical resources required to initiate a start-up. This helps in cultivating entrepreneurship skill among students. As a result, the projects completed by students often initiate a start-up. Campus situated in a rural and backward area of Alappuzha district in Kerala. A number of societal service activities are carried out by NSS volunteers to develop the local students by providing a world class education through student centric learning and socially relevant projects.

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

7.3.2 - Plan of action for the next academic year

Plan of action for the next academic year

1. **Organize student induction and orientation programs:** Induction and orientation programs help new students to familiarize themselves with the college's environment, faculty, and course requirements. These programs should be organized before the start of the semester.
2. **Strengthen industry-academia collaborations:** Collaborating with industries can provide students with practical experience and exposure to industry trends. This collaboration can be in the form of internships, joint research projects, and industry visits. A mentoring program would provide students with access to experienced professionals who can offer guidance and support throughout their academic journey.
3. **Conduct regular faculty development programs:** Faculty development programs can help faculty members keep up with emerging technologies and teaching methodologies. These programs can be in the form of workshops, seminars, and training sessions.
4. **Enhance student support services:** The college should provide adequate support services such as counseling, career guidance, and financial assistance to ensure that students can focus on their academic pursuits.
5. **Focus on student engagement:** The college should organize extracurricular activities such as clubs, sports, and cultural events to ensure that students have a well-rounded experience and are engaged in college life.

Overall, a well-planned and executed plan of action for the next academic semester can help the institution to provide quality education, promote innovation, and produce well-rounded graduates.