SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKURICHI, ALANGUDI (TK)

622303

www.sbec.edu.in

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Sri Bharathi Engineering College for women, the first One and Only Women's Higher Education Institution in Pudukkottai District, Tamil Nadu established in 2009, named after the Famous Tamil Poet, Women Freedom Fighter, MAHAKAVI SUBRAMANIYA BHARATHI. Our Institution is governed by Sri Bharathi Educational Trust and has been approved by AICTE, New Delhi and Affiliated to Anna University, Chennai. Our College offers Five Bachelor's Degree courses, B.E. - Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and B.Tech. - Information Technology.

The Goal of our Institution is to "Empower the Women students in the field of Engineering and Technology and cultivating Innovative Skills to meet out challenges faced by the women in the society". The College Campus is well Equipped with modern amenities such as Smart Classrooms, ICT facilities, Well curated Library, Updated Laboratories, high speed Wi-Fi facility, Indoor & Outdoor playgrounds, Furnished Hostel, Gym, Yoga facilities and Safe & Secure college transport facility covering around 80 kms from the Campus.

As a result of our commitment to academic excellence, our institution consistently maintains a commendable pass percentage. For over a decade, we rank first among eleven engineering colleges in Pudukkottai district. Recently, we achieved the 40th rank in state-level Anna University examinations among 400 engineering colleges in Tamil Nadu, and as a notable achievement our students secured three university ranks so far. We proud to share that our students are winning prizes an accolades in inter-college competitions, after-college technical symposiums, and presenting papers at reputed conferences and journals.

Our Institution plays a vital role in conducting array of activities including workshops, guest lectures, conferences, seminars and symposiums, Value Added Courses (VAC) in every semester to bridge the gaps between the Curriculum and Industry readiness.

Our college also extends the social responsibility activities through NSS, YRC, RRC in neighboring villages and received many awards from government and non government organizations.

In conclusion, we are driven by a vision of creating an equitable society by educating and empowering women, especially women from the weaker section of society. We consider it as our social and moral obligation.

Vision

To accomplish the vision of **Tamil Poet MAHAKAVI SUBRAMANIYA BHARATHIYAR**, Sri Bharathi Engineering College for women obliged **"To Empower Women as Intellectual, Valued Human, Ethical Engineer through Outcome Based Education to serve the society in the right path"**

Mission

Our Institution Strive to attain the following Mission statements in order to achieve the Vision of Sri Bharathi

Engineering College for women,

- **To create conducive atmosphere for Active Teaching-Learning process by adopting Outcome Based Education to turnout an Intellectual Women Engineers.**

- **To impart value based Education to become Valued Human and professionally groom as Ethical Engineer in the field of Engineering and Allied Areas.**

- **To inculcate R&D activities in emerging areas of Engineering and Technology to address the day to day issues faced by the society.**

- **To practice lifelong learning and empowering women students to serve the society as learned person.**

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Easily accessible location

The college is situated in National Highway NH-26 on Pudukkottai – Aranthangi road, 6Km away from Pudukkottai.

2. Highly qualified and experienced faculty members

Faculty retention ratio of a group of well-qualified dedicated and devoted faculty members is one of the strengths for the institution. The support extended by the faculty members to undertake new challenges is noteworthy.

3. Good Infrastructure with modern amenities for Happy Learning.

Greenish Environment, easy accessible infrastructure between the various Departments, Centralized Computer Centre, ICT enabled Class rooms with wireless points, High speed Wi-Fi and Internet facility.

4. Well-equipped laboratories to reveal real time experience.

The laboratories in all the departments being well equipped with revised regulations prescribed by Anna University, Chennai.

5. High pass percentage in the Anna University Examinations.

6. Consistent ranking position maintained with reference to Anna University.

7. Three university ranks so far achieved from Anna University.

8. Effective and Outcome oriented Mentor-Mentee System.

9. Adequate MoU with private and government institutions.

10. Training and Placement Cell.

Training on Technical skill, Aptitude, Soft skills and Mock interviews are regularly conducted to improve the students skills to prepare them for on campus and off campus placements.

11. Barrier free Environment to achieve the Dream of students

Fully secured campus where the successes of each student being fulfilled by the technical education with motivational thoughts.

12. Spacious Conference, Seminar and Drawing halls.

13. Auditorium for collaborative activities, Celebrations.

14. Well-stocked library and well-equipped digital library.

15. Hygienic canteen facility.

16. Hostel facilities for girl students inside the campus.

17. Health care centre in the campus.

18. Ambulance Service for Medical Emergency.

19. Well maintained Indoor and Outdoor play grounds.

20. Safe and Secure College Bus Transport facilities to reach various districts.

21. Equipped Gym facilities

22. Spacious Yoga room facilities

23. Active Alumni Association Cell

24. Waste Management System

25. Disabled friendly (Divyangajan) Campus

26. Efficient functioning of IQAC Cell

27. A complete assistants to receive scholarship from government and non-government organizations

28. Hassel free and User friendly Camp for applying and receiving educational loans from bank

Institutional Weakness

1. Industrial interaction opportunities have to be enhanced.

2. Students hailing from rural regions, since Situated outside of major metropolitan areas. Students from rural back ground are mostly from Tamil medium. These students take few months time for going parallel with the students from English medium schools.

3. Most of the students are from Government schools with medium cut of marks and also mostly first generation graduate, hence forth medium IQ only. We have to strive hard to put them on stage.

4. Our district primarily is an agricultural oriented. The availability of industries to provide internship training is very meager.

5. Possibilities of approaching Government and Non – Government organizations for funding the research activities are very limited.

6. Limited awareness of forthcoming opportunities.

7. A restricted count of research and development (R&D) funded projects.

8. Since this institution is located in the rural area external library and shopping facilities are very difficult.

Institutional Opportunity

1. Conducting Bridge courses, Value added training programs, Invited lectures, NPTEL courses are some of the "Beyond Syllabus Teaching" methods to improve the students skills.
2. This institution capable of taking consultancy projects.
3. Betterment of Alumni Association to enable the outgoing students for placement and also if possible, any alumni member comes forward in developing the Institution.
4. Equipping students with the skills necessary for placement in esteemed companies.
5. Encouraging internship and student exchange initiatives.

Institutional Challenge

1. No.1 Institution among the district in every year in affiliated university examination results.
2. Regulations and curriculum are governed by the affiliated university.
3. Enhance the faculty members' expertise in cutting-edge technology aligned with industry demands.
4. Raise the proportion of female entrepreneurs.
5. Enhance the incorporation of modern technology in education within the current context.
6. Enhance the effectiveness of the incubation cell.
7. Secure an increase in research grants from various funding agencies.
8. Expand the variety of undergraduate and postgraduate courses.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Sri Bharathi Engineering College for Women (SBECW) is being affiliated to Anna University Chennai and institution strictly adheres to the curriculum and syllabus prescribed by the affiliated University.

SBECW prepares a well planned academic calendar in-line with academic schedule of Anna University for every semester. Every Department in our Institution strictly follows the academic calendar issued by the college and ensures effective curriculum planning, delivery and conduct of centralized cycle test as per the academic calendar with a well planned documentation.

Principal verifies the requirement of teaching faculty, lab equipment and other infrastructure facilities at the begining of every academic year.

Subjects are allotted based on willingness of staff and their proficiency in those subjects by HoDs. The faculty members maintain a comprehensive course file, academic theory and practical log books, master lab record for each course to document their day to day academic activities. A refresher program, orientation program are arranged for newly joined faculty members for improving their academic performance.

SBECW adapts Video Hours, Technical Quiz, Seminar presentation, Workshop and other methods for the easier understanding of the subjects. To create innovative ideas among the students, number of programs are arranged through various club activities.

Centralized Examination cell is responsible for conducting both internal and University examinations in accordance with the academic calendar.

We maintain a robust and transparent evaluation system, evident through operation of the examination committee and mechanisms for resolving grievances.

IQAC cell conducts routine academic audit to monitor the progress of each courses and initiates corrective measures with action plan.

To bridge the curricular gap between curriculum and industry readiness, 50 numbers of VAC and certificate courses are offered by all Department in association with various industries for enhancing the employability skills during the last five years with 100 percentage of students participation.

Our Institution addresses and integrates the various cross cutting issues relevant to professional ethics, gender, human values, environment sustainability among the students by transacting curriculum offered by the Anna University, Chennai.

SBECW collects feedback from all stake holders and corrective measures are taken to improve continuous academic performance and ambience of Institution.

Teaching-learning and Evaluation

SBECW consider academics as the major focal point. Institute follows student centric model, that targets to provide different learning aspects. Teaching, learning, and evaluation are pivotal aspects contributing to the continuous progress of our institution.

Outcome Based Education (OBE) is a transformational method that emphasizes the design of curriculum, outcome-based teaching-learning, assessment and evaluation. SBECW effectively implements OBE through activity-based learning that includes experiential learning, participative learning and problem-solving methodologies.

Theory cum practical courses are implemented in our SBECW, to mould the theoretical concepts together with practical for that subject. We emphasize value-based education coupled with practical learning, so that SBECW implement the evaluation of teaching learning process by including seminars, projects, oral tests, home assignments, and tutorials, and arranged industrial visits and internship programs.

SBECW encourages the students to attend seminars and workshop both within the institute and outside, so as to enhance their subject knowledge in their areas of interest and won many prizes in various events.

SBECW conducts Weekly Test (WT), Cycle Test (CT), Short Intensive Coaching (SIC) followed by Model Exam (ME). Weekly test track record has been maintained by each faculty member to monitor the progress of performances and to assess the learning level of the students.

"Job Seeker" hours are allotted for final years in the regular time table to make the students familiar in aptitude and mock interviews. Study Hours are allotted for the hostel students to increase the productivity of hostellers. Special Net Hours are allotted for day scholars during the lunch time and at the evening time for hostel students.

SBECW follows an exclusive system called "Each One Catch One (EOCO)" in which peer groups are formed with a motto of advanced learner as leaders who train the slow learners, so as to bridge the gap between faculty and the slow learners.

In view of achieving effective teaching learning, SBECW encourages all faculties and students to use the facilities like smart class rooms and online platforms. Faculties and students are encouraged to register NPTEL/SWAYAM courses available online to enrich their technical skills.

Research, Innovations and Extension

Our institution has established a comprehensive policy to promote research endeavors. The Research and Development (R&D) cell consistently organizes a wide range of programs focused on research methodologies, intellectual property rights (IPR), national conferences, and entrepreneurship development to meet the evolving demands in academia and research.

Our dedicated team has successfully executed patent filling, numerous research and consultancy projects for receiving grants from both government and non-governmental organizations. We have established collaborations with numerous industries and reputed institutions like National Institute of Technology (NIT), signing Memorandums of Understanding (MoUs) for various activities such as industrial projects, internships, VAC, and training programs, all designed to enhance the learning experience and opportunities for both students and staff.

SBECW has an enriching ecosystem that supports creativity and innovation within each department; we have Incubation Centres where students and faculty members can put their innovative ideas to develop products, honing their entrepreneurship skills.

Various skill-based activites like IoT, Industry 4.0, Machine learning, Cloud computing, Cyber security, Artificial Intelligence are organized to encourage students scientific temperament and to develop their innovative and entrepreneurial skills. Institution also supports to conduct conferences periodically for creation and sharing of knowledge. Our college also encourages faculty to publish their research in journals of national and international repute. Our faculty members are encouraged to attend FDP under Naan Mudhalvan Scheme of Tamilnadu government **AICTE ATAL FDP**, **NITTTR FDP's** and students skills are enhanced through that trainers. The institute actively supports faculty members by providing financial assistance to attend various programs to update with latest knowledge in their respective fields.

SBECW is dedicated to raising awareness of social and environmental issues among our students. We have conducted various outreach and extension activities such as E-vehicle, Global warming and Swachh Bharat in collaboration with neighboring communities through student clubs such as NSS, YRC, and RRC. In addition to regular activities SBECW also organizing COVID-19 vaccination camps, promoting yoga, imparting fire, Gender issues, AIDS awareness and safety precautions, addressing drug abuse, and emphasizing personal hygiene for the benefit of rural students. SBECW formed the ELC to create the awareness of voting among neighboring community.

Infrastructure and Learning Resources

SBECW boasts state-of-the-art amenities to support academic excellence. Nestled within a 5.02-acre campus located 6 KM from main city, on pudukkottai to aranthangi state highways.

Conveniently located and surrounded by lush greenery, our campus offers a tranquil environment conducive to learning. Adequate funds have been allocated for infrastructure maintenance and other essential facilities like class rooms, laboratories, photocopy facility, sports, medical room, yoga room, canteen, hostel for girls in inside the campus.

SBECW employs a diverse teaching-learning methodology, incorporating blending of both traditional chalkboard and ICT based smart teaching like google meet, zoom, webex, Microsoft team apps. Every classroom is spacious with good ventilation and illumination facility and equipped with over-head LCD projectors, Internet facility and audio systems. Labs are well designed and equipped as per the university norms. The college management shows immense interest in facilitating students' thirst in learning modern technology, thereby upgrading the infrastructure facilities periodically.

Apart from regular curriculum, additional labs like "Aurdino lab" deals with IoT, Cloud computing, etc., are also available to promote R&D activities. Every department is equipped with their own computing resources and a department library to meet out the needs of their faculties and students.

SBECW has a very big closed auditorium with minimum seating capacity of 1000 and 2 seminar halls SH-1 and SH-2 with seating capacity of 400 and 150 respectively with A/C provisions.

The Digital library with OPAC, Digital Lib – Automation software, Multi-media room, 100 mbps internet connectivity with Wi-Fi facility and offers an extensive collection of textbooks, reference books, e-books, magazines, project reports, question banks and equipped with ERP software. Our institution encourages physical fitness and sportsmanship, offering both indoor and outdoor sports facilities for students. Additionally, our well-equipped gymnasium is a valuable resource on our campus.

To ensure uninterrupted power supply, the institution utilizes solar power plants, generator sets, and UPS systems, offering excellent backup facilities.

Fire extinguishers, RO water dispensers are provided on each floor, enhancing convenience. Transportation facilities are readily available within 80-kilometer radius of the college with GPS to track routes and enhance security.

Student Support and Progression

Sri Bharathi Engineering College for Women (SBECW) places a strong emphasis on supporting and fostering student growth. The Sri Bharathi Educational Trust offers scholarships to academically gifted yet economically disadvantaged students.

The institution actively aids students in accessing various government / management scholarships for which they qualify. We employ well-established processes and methodologies to address student's challenges with proper counseling by the help of Mentor–Mentee provisions, Class Counseling, Grievance Redressal Cell and Women Empowerment Cell. Psychological counseling is arranged for needy students by experienced psychologist.

SBECW is dedicated to imparting Life skill development programs for improving mental health, Soft skills, Language as well as Communication skills and Computer proficiency for students.

In SBECW, we have separate Yoga centre for the beneficial of staff and students. International Yoga Day is celebrated in every year and yoga classes are arranged periodically with Yoga experts, demonstrating the aashanas for strengthening of women physical and mental health. In addition, the National Service Scheme (NSS) and Youth Red Cross (YRC) engage students in various community driven activities, and awareness campaigns to promote physical health and cleanliness.

The SBECW and SBECW Alumnae collaboratively organize a range of activities focused on skill development, capacity building, career counseling, placement assistance, and also regular alumni gatherings aim to connect graduates with their juniors and offer support in terms of placement, sharing expertise and experiences, providing career guidance, supporting internship opportunities, and facilitating academically oriented activities. The establishment of an Alumni Association act as a bridge between SBECW alumni and current students. SBECW prioritizes motivational lectures for the support of student progression and also provide the path for on-campus and off campus job placement drives through the placement cell.

Each department faculty members actively encourage and provide guidance to students for competitive exams.

Study Hours are allotted for the hostel students and special coaching for weaker students are conducted by the help of "Each One Catch One (EOCO)" system which is especially formed to bridge the gap between brighter and weaker. This will help to provide continuous support and improve the students performance in a progressive manners.

Governance, Leadership and Management

Love, Hope and Courage is represented in our college emblem. SBECW has well-defined and self-explanatory

Vision, Mission, and goals. Oversight of the college's overall governance rests with the Governing Council, led by the Chairman.

SBECW encourages and motivates the culture of decentralization and participative management. In decentralized set up, the Principal, who is academic & administrative head, monitors the overall functioning and has powers for academic, administrative, financial issues for the growth of institute.

Next to Principal, Academic aspects are managed by Department Heads, while administrative responsibilities are overseen by the Office Manager. Besides Management, Faculties are assigned as members and conveners of various committees that are instituted for day-to-day functioning of the college.

SBECW has a number of bodies and committees for the good Management. Some of these committees are Governing council committee, Admission Committee, Planning and Monitoring committee, Grievance Redressal committee, Anti Ragging Committee, Internal Compliant committee, Scholarship committee, Discipline committee, Alumni cell, ELC club, Right to Information Act, Women Empowerment and Entrepreneurship Development cell. These bodies and committees discuss various problems and recommend decisions to the Management through Principal. Acknowledging significance of effective leadership, the Management sponsors recommended heads to participate in leadership programs.

SBECW deserves commendation for initiating good welfare schemes for the faculty and students. Various training programs are arranged periodically to strengthen potentials of both faculties and students.

Chairman and trust members actively participate in daily college affairs, contributing to various tasks. This hands-on approach contributes to overall enrichment of institution. Mega events are coordinated through meetings conducted by the Chairman with office bearers, providing detailed explanations of the agenda.

The Management is highly effective in managing manpower and resources. The Estate Manager Mr. S.K. Subramanian oversees all charges to provide the availability of essential needs such as water, food, and Transportation Officer Mr. K. Murugesan, oversees the transportation for stakeholders.

Timely supply of resources ensures that no tasks are delayed. An Administrative Officer is dedicated to supporting student's needs like scholarships and freeships. The trust encourages the staff by providing feedback in functions and motivates them for improving the quality of the Institution.

Institutional Values and Best Practices

SBECW approach to grooming students goes beyond the confines of textbooks and classrooms. We recognize the importance of providing a comprehensive educational experience that encompasses intellectual, emotional, and social facets. Through a dynamic curriculum and a diverse range of extracurricular activities, we aim to empower our students to explore their passions, discover their strengths, and cultivate essential life skills.

Best Practice 1

Bridging Gaps - Building Dreams

Objectives of the practice

The approach of SBECW towards grooming students goes beyond the confines of classroom teaching. We recognize the importance of providing a comprehensive educational experience that encompasses intellectual, emotional, and social facets. We aim to empower our students to explore their passions, discover their strengths, and cultivate essential life-skills through a special programme called "Bridging gaps; Building dreams".

Through this best practice, we implement a series of programmes like "

Evidence of success

- Individual strength of students are exposed
- Students get practiced to positive thinking in approaching any situation
- They gain knowledge and exposure by attending symposiums and workshops conducted in other institutions

Best Practice 2

"NOT ONLY ME BUT ALSO YOU"– Service to the Society

Objectives of the practice

- To engage students in promoting social welfare activities and responsibilities to addressing the social issues faced by the village people with its solution.
- To provide education on various areas such as health and hygiene, safety, environmental conservation.
- Create awareness on pursuing higher education among rural students.

SBECW is located in rural area and most of the people in the surrounding villages are uneducated and unaware of many social issues. Hence our NSS along with YRC and RRC takes responsibility to equip communities with skills, knowledge, and tools to improve their circumstances.

Evidence of success

- Students' participation willingly in the programs every year shows their interest.
- Based on new experience gained from society, our students developed products like "Automatic SMS based Irrigation Field Motor Control Systems" and "High Power Rating Three Phase Change over System".

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Address	Kaikurichi, Alangudi (Tk)
City	Pudukkottai
State	Tamil Nadu
Pin	622303
Website	www.sbec.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	S. THILAGA VATHI	04322-242768	9789477606	04322-242768	principal@sbec.edu.in
IQAC / CIQA coordinator	B. Priya	091-8637480412	8637480412	-	iqac@sbec.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	For Women
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-06-2023	12	Latest AICTE Approval for the current Academic Year was attached

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Kaikurichi, Alangudi (Tk)	Rural	5.02	12016.75

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering	48	HSC	English	60	10
UG	BE,Computer Science And Engineering	48	HSC	English	60	50
UG	BE,Electrical And Electronics Engineering	48	HSC	English	30	4
UG	BE,Electronics And Communication Engineering	48	HSC	English	60	25
UG	BTech,Information Technology	48	HSC	English	60	39

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	2				12				36			
Recruited	0	2	0	2	2	10	0	12	4	32	0	36
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				8
Recruited	3	5	0	8
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				15
Recruited	4	11	0	15
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	2	0	0	2	0	0	2	0	6
M.Phil.	0	0	0	0	3	0	0	4	0	7
PG	0	0	0	2	5	0	4	26	0	37
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		**From the State Where College is Located**	**From Other States of India**	**NRI Students**	**Foreign Students**	**Total**
UG	Male	0	0	0	0	0
	Female	116	0	0	0	116
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	0	0	0	0
	Female	8	15	24	20
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	44	20	35	41
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	1	1	0	0
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		53	36	59	61

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Sri Bharathi Engineering College for Women offers five undergraduate degree programmes in Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Information Technology with the approval of AICTE and affiliated to Anna University, Chennai. The Goal of our Institution is to "Empower the Women students in the fields of Engineering, Science and Technology by nurturing Outcome Based Education (OBE) and cultivating Innovative Skills to meet out the challenges faced by women in the society". The interdisciplinary curriculum in the field Engineering and Technology is designed by the affiliated Anna

	University which is based on the CBCS (Choice Based Credit System) and each course has specific credit points. The courses are categorized as core, elective, value based and skill-based courses. Most of the undergraduate programmes have learned through various forms like study tours, project expos, projects, field visits, workshops, seminars, conferences and internships. Many students are present their innovative thoughts at many conferences, workshops and seminars. Moreover, final-year students are advised to take as a project work on the current societal issue and technological challenges. The various kind of multidisciplinary activities are helps to the students to improve their real-time problem-solving skills.
2. Academic bank of credits (ABC):	The academic bank account is open and maintained by an individual student as per the guidelines of the University Grants Commission regulations. The student-earned credit points from their courses are stored in the database of the academic bank of records by their corresponding departments. If a student is discontinued from our college and enrolls in a new institution due to personal reasons and the students previously earned credit points are also taken into an account. We encourage our students to participate in many online mode courses such as SWAYAM and NPTEL, which promotes subject learning and earn credit points. The faculty members are encouraged to formulate new strategies that are student-centric. The faculty members are encouraged to distribute additional reading materials to the students. All these efforts of the institute, promotes learning and earning credit points.
3. Skill development:	Our institute has great care for the student's soft skill development through periodically organize special programmes in each department with the resource person apart from the academic curriculum. These specialized courses equip students with the tools they need to solve problems they'll encounter in the real world. Furthermore, enhancing the student's skill set and exposing them to cutting-edge technology opens up more doors for them in their chosen field. With the help of MOUs signed with various sectors and educational institutions, we facilitate the transfer of cutting-edge knowledge. Internships in a variety of fields can help students gain experience in their field of study while also exposing them to the industry's

	culture and methods of operation. In addition, we are providing a free visit of science expo for students to attend and expand their scientific horizons.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Our institute has great attention to providing modern education with our traditional knowledge heritage of India. The language in the higher education is the major problem for rural students, because English is the commonly used language in the medium of instruction. The institution is advised by the faculty members to encounter problems through the bilingual method of teaching. The institute celebrate every Tamil festivals and many cultural activities like Pongal, Deepavali, Bharathiyar birthday, A.P.J. Abdul kalam birthday, Annual day, Christmas, Ramzan, etc.,. These kinds of events improve the awareness and highlight the values of various cultural activities within student's community. Numerous activities are held during the festival period to spread awareness of our ancient cultural heritage.
5. Focus on Outcome based education (OBE):	Institute following Outcome Based Education (OBE) for teaching, learning, continuous improvement and evaluation process in the student-centric learning approach. Programme Specific Outcomes (PSOs), Programme Outcomes (POs) and Course Outcomes (COs) have been followed for all UG programs. The course coordinator framed COs based on the objectives and syllabus of each course. The assessments of COs are properly made through questions for the internal assignments for each course. PSOs are defined as the outcome of the programme which the graduates have to acquire at the end of the programme. The target attainment of each CO and assessment of attainments of CO are compiled and analyzed, which was used to measure the student's performances. Suitable actions such as changing pattern delivery and assessment will be followed by the faculty members when the CO target is not achieved. Based on the student's end-semester external examination performance the assessment is calculated. The POs and PSOs assessment attainments are also calculated for the mini projects, group discussions, quizzes, case studies, seminars and workshops, etc. Moreover, the department of the advisory board and Program Assessment Committee (PAC) scrutinize the process and encounter the problem which significantly promotes the learning progress.

6. Distance education/online education:	Our institution organizes several classes, class committee meetings, webinars and meetings through online modes such as Google Classroom, and Zoom, at regular interval of time during the COVID-19pandemic situation. This kind of teaching is helpful to the students to continue their studies without any interruption during the lock down period. The many practical classes are also conducted in virtual mode. Moreover, our institution also encourages our faculty members and students to participate in various online programs like seminars, workshops, conferences, faculty development programs and NPTEL courses. After the post-covid situation, our institute improves the ICT facilities which enhance knowledge transfer between students and faculty members.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes. Sri Bharathi Engineering College for Women (SBECW) formed the Electoral Literacy Club (ELC) and motivates the student community to take part in various electoral processes, emphasise the importance of voting overall and encouraging them to take part in the constitutional bodies to vote honourably.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes. The faculty members and student co-ordinators were appointed as ELC committee members and it is fully functional. The composition of ELC having the following members, 1) A senior faculty will act as ELC Coordinator, 2) Faculty Coordinators, 3) One faculty member from each department will act as department faculty Coordinator, 4) One student from final year will act as President, 5) One student from Third year will act as Vice President, 6) One student from second year will act as Secretary, 7) One student from first year will act as Joint Secretary, 8) Each department has a student representatives and 9) Volunteers from the student community will act as members. The ELC committee regularly organize and monitor the club activities.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of	In order to create an awareness among the stake holders about the voting process, SBECW takes lot of efforts to organize several awareness programmes through ELC and promote the importance of voting

students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	values and principles of democracy. ELC conducts the following programs by inviting Government Professionals like Tahsildar, Professors and Special Officers from the Election Departments. The following are the best examples for the activities conducted by ELC Club, • Your Vote, Your Voice: Empowering Citizens on Voter's Day • Voting Awareness and Enrolment • Compulsory Voting • Importance of Voting in a Democratic Society
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	The Electoral Literacy Club (ELC) of SBECW organized a "Rally on Voter's Day" program which strengthens the Values, Rights, Duties and Responsibilities of Indian citizens having 18, who are above 18 years of old in the areas where the low voters are turnout and they are assisted by the students in registering their details in the voters list.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	The ELC also arranged various camps to the college students who have completed the age of 18 to register their names in the voter list with the help of surrounding municipalities. Many events like debates and essay writing contests were organized within our college in regular time interval. This club also organized the various awareness campaigns in nearby schools and villages to create awareness about the electoral process. Thus, SBECW enhances the political accountability and responsiveness of student's community by organizing several kinds of programs and encouraging them for learning the voter rights and democratic values especially related to women's empowerment through ELC.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
256	194	207	237	267

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 74

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
50	51	49	49	49

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
37.85	22.63	27.37	39.50	54.45

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Academic Schedule and Curriculum Delivery

- Anna University offer courses in Engineering and Technology through its Affiliated Colleges as per the academic schedule framed every semester and it revises the syllabus once in four years. SBECW Strictly follows its curriculum, syllabi and the academic schedule provided by the university.
- SBECW schedule all its academic and non-academic activities well in advance with an academic calendar. SBECW ensures all faculties adhering to the academic calendar and as per the timetable planned by the institution with the provision of library hours, tutorial hours, seminars etc.,
- Principal verifies the requirement of teaching faculty, lab equipments and other infrastructure facilities at the beginning of every academic year, so as to enable effective implementation of curriculum delivery.
- Subjects are allotted based on the willingness of the staff and their proficiency in those subjects. HoD's of all discipline reviews syllabus coverage periodically to ensure the effective curriculum delivery by the staffs.
- SBECW adopts Video Hours, Technical Quiz, Seminar, and other innovative methods for the easier understanding of the subjects.

Continuous Internal Assessment (CIA)

- SBECW examination cell takes the responsibility of conducting both internal and external examinations with COE as its Head and a faculty from each department as Department Coordinator to facilitate smooth functioning of all the activities.
- Continuous assessment is carried out through series of tests like Daily Noon Test (DNT) otherwise known as Weekly Test (WT), Cycle Test (CT), Short Intensive Coaching (SIC) and followed by Model Exam (ME) to monitor the learning level of the students.
- DNT/WT are included in the regular timetable itself. One test per subject per week is followed. The effectiveness of DNT is documented as Weekly Tract Record (WTR) by SBECW that replicates students learning level in a particular subject. Through remedial lectures and aggressive coaching, the student's academic performance is improved.
- Cycle tests are conducted as per academic calendar; three cycle test for R2013 and two for R2017 regulations as per Anna university norms.
- Two set of question papers per subject with answer key are prepared for every Cycle test and submitted to Exam cell with the approval of HoD. Concern subject faculty will evaluate the answer script within 2 days from the date of exam and provide feedback to the student on their

performance.

- Result analysis for internal exam is prepared by the class coordinator in triplicate for documentation; one copy to exam cell, one copy to department and another copy for communicating to parents to ensure the learning ability of their wards. Retest also conducted for needy students.

Documentation

- The faculty members maintain a comprehensive course file, academic theory and practical log book for each course to document their day to day academic activities. The result analysis meeting with senior faculties were conducted and suggestions were put forward to improve the student's performance.
- SBECW maintains Student Profile that records Cycle test marks, Internal Marks, Co-curricular and Extra-curricular achievements.
- SBECW collects feedback from all students and corrective measures are taken to improve the continuous academic performance of the Institution.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 50

File Description	Document
List of students and the attendance sheet for the above mentioned programs	[View Document](#)
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Evidence of course completion, like course completion certificate etc. Apart from the above:	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Other Upload Files	
1	[View Document](#)

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 100

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
256	194	207	237	267

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

SBECW integrates crosscutting issues relevant to Professional Ethics, Gender, HumanValues, Environment and Sustainability into the Curriculum.

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

- Apart from regular courses on ethics (GE8076 PROFESSIONAL ETHICS IN ENGINEERING), SBECW gives adequate exposure on ethics through seminars and interactive sessions by famous personalities.

- Courses on Human values are included in curriculum, SBECW regularly choses those electives for the welfare of students, in order to bring a cultured and disciplined student society.

- Impacts of Environment on human life are well demonstrated through courses like GE8291-ENVIRONMENTAL SCIENCE AND ENGINEERING which are mandatory courses of all engineering disciplines.

- SBECW frequently organizes seminar related to environment sustainability, humanity and ethical behavior as part of nurturing student community with good character and behavior.

- To inculcate good managing skills to the student community, SBECW prefers management courses like Total Quality Management, Principles of Management from Anna University syllabus.

- SBECW initiates various lectures, seminars and awareness programs like 'Empowering women for a brighter future', 'Empowering women through legal rights', 'Mental resilience', 'Unveiling challenges' and 'celebrating success' to promote the Gender equity.

- SBECW culture is being shaped to be supportive and responsive to the diverse needs of all faculty members, irrespective of gender, promoting a sense of belonging and equality. A proper measure is taken between male and female faculties with guidelines are implemented through the necessary activities.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 100

1.3.2.1 **Number of students undertaking project work/field work / internships**

Response: 256

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	[View Document](#)
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	[View Document](#)
Action taken report on the feedback analysis	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 28.51

2.1.1.1 **Number of seats filled year wise during last five years (Only first year admissions to be considered)**

2022-23	2021-22	2020-21	2019-20	2018-19
116	53	36	59	61

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
180	240	240	240	240

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list as published by the HEI and endorsed by the competent authority	[View Document](#)
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 40.33

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)**

2022-23	2021-22	2020-21	2019-20	2018-19
114	52	35	59	61

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
124	168	168	168	168

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	[View Document](#)
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 5.12

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

SBECW is highly enthusiastic in providing innovative ideas for enriching the Teaching Learning Process (TLP). SBECW follows student centric model that targets to provide different learning aspects. It implements Outcome based Education (OBE) that emphasizes the design of curriculum, outcome based teaching-learning that includes experiential learning, participative learning and problem solving methodologies.

Experiential Learning:

- SBECW reinforces the learning level through model based/ practical oriented teaching.
- Mini Projects, Projects and hands-on training programs are conducted to enhance the practical knowledge of the students to develop working models.
- Student's theoretical knowledge and practical skills are bridged with Viva Voce assessment for each experiment in laboratory courses.
- Project Expo and Idea Presentation events are conducted through the clubs to enhance the experiential learning and to kindle the innovative ideas.
- SBECW encourages students to undergo Internship, In-plant training, Field visits and industrial visits. This helps the students to enrich their theoretical concepts, enhancing students learning experience.

Participative learning:

- Value added courses conducted every semester in order to expand the knowledge in recent technologies.
- SBECW ensures that all faculties conduct minimum of 2 technical quiz sessions for each subject and to give 2 assignments per unit to improve the student's participation level.
- SBECW encourages students to participate in competitive examinations, conferences, seminars and workshops to enhance their technical abilities.
- Mock interviews are conducted regularly by industry persons, so as to motivate the students in overcoming the hindrances in the interview through Training and Placement cell.

Problem-Solving Methodologies:

- SBECW takes enough care to improve problem-solving skills by allotting tutorial hours in regular time table to give more attention for the analytical subjects.
- Aptitude, soft skill development, Career guidance programs are conducted periodically.
- Students are exposed to real time problems in the first semester through engineering practices lab and drafting lab. This makes students to be familiar with best engineering practices of all disciplines.

ICT- enabled tools including online resources

- SBECW provides high speed internet and Open Wi-Fi to enable the students and faculties to use internet, whenever needed.

- Smart class rooms and ICT enabled seminar halls helps the faculty to enrich the subject knowledge of the students through presentations, animated videos etc.

- SBECW ensures all faculties to have minimum of two NPTEL Video hours for each subject, in order to engage the students effectively in that particular subject.
- SBECW advises all faculties to use digital platforms like Google meet, Zoom meet, Google class room and Microsoft Team App to engage the students apart from regular working hours, so as to keep the students in touch with subjects regularly.
- Freeware are effectively utilized to enrich the practical knowledge and also to enhance student's research skills.
- Digital library with DELNET resources helps students to access online resources like e-books, e-journals etc.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 **Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
50	51	49	49	49

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 7.66

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
7	5	3	2	2

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	[View Document](#)
Institution data in the prescribed format	[View Document](#)
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

Evaluation process and reforms

SBECW adheres to the mechanism of internal assessment and evaluation process as per affiliated Anna University. An assessment is an important factor for the improvement and is perceived as the key for achieving Course Outcomes (CO) and Program Outcomes (PO).Therefore our institution is keen in carrying out assessment in well organized and efficient way.

Mechanism to deal with internal exam

- SBECW prepares academic Calendar well in advance at the beginning of the semester, following the schedule of Anna University.

- Internal assessment otherwise known as Cycle Test (CT) is conducted thrice per semester as per R2017 and twice per semester as per R2021.

- Faculties will prepare CO based two set of question papers with key and one will be chosen by concern HoD and will be submitted to exam cell for valuation.

- Concern subject faculty will evaluate the answer script within two days from the test date and will provide feedback to students on their performance and any deviations in awarding of marks are rectified by the faculty. Evaluated answer scripts are checked at random by HoD to ensure effective valuation.

- Result analysis for the internal exam is prepared by class coordinators and communicated to their parents through progressive report, to ensure awareness of the learning ability of their wards.

- Retest is conducted for the students who scored below 60 marks and who are absent.

- Students are awarded internal marks based on their performances in internal exam, assignment and mini project if any assigned to them. Internal marks are displayed in the notice board thereby ensuring transparency.

Mechanism to deal with exam related grievances

- Grievances faced by the students are rectified within the department for internal exams and through examination cell, related to external exams.

- University Conducts semester examinations at the end of each semester. Feedback related to the question paper is collected from the students and the same is reported to the concern HoDs and subject handling faculty.

- Based on their suggestions, the discrepancy about the question paper is entered in the web portal. The answer sheets are centrally evaluated by the Anna University.

- The result for the university exams were published in the Anna university website. Consolidated result is displayed in the College Notice Board. After publishing university result if student is dissatisfied with results, can seek clarification through processes such as applying for a photocopy, revaluation, or review of their answer scripts.

- Exam-related grievances including non-receipt of grade sheets or issues related to additional subjects or breaks in study are efficiently communicated to the university through the examination cell of the institution.

- The University Students Online Service Portal (SOS) streamlines various services, from correcting grade sheets to obtaining duplicate documents, thereby offering students in a convenient platform.

- Additionally, an online grievance redressal system empowers students to directly address their concerns with both the university and the college enhancing accessibility and transparency in the valuation process.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

- Under the guidance of the Internal Quality Assurance Cell (IQAC), each Department of SBECW articulated the clear Vision, Mission, PEOs, COs, PSOs statements and their mapping.

- The approved Vision, Mission, PEOs, POs, PSOs are published in the Institute Website under each Department webpage and communicated to Various Stakeholder.

- In SBECW, Faculties are advised to discuss the outcome of their courses periodically at the class committee meetings and at the beginning session of the courses.

- The respective subject faculty expatiate the course outcomes to the learners. The objectives and outcomes of each topic are expatiated to the learners for the betterment and to get the confidence to take up the university Examination.

- Vision, Mission, PEOs,Program Outcome (PO) and Program specific outcome (PSO) are displayed at each Classrooms, Laboratories and student centric places of SBECW.

- The mapping of COs – POs – PSOs are mapped by individual subject faculty and made available in their theory and practical log books with duly signed by concern faulty, HoD and Principal.

- The mapping of COs – POs – PSOs are posted in the college website under each Department webpage. COs are also stated in the Continuous Internal Assessment Test (CT) question papers to make students aware of the COs concerning every subject.

- By accessing, the learning level of students, the attainment of course outcome is analysed and necessary actions taken to bridge the gap between the target level of attainment with the attained level by organizing Guest lectures, video hours, value added courses, certificate courses for further improvement.

- Assessment is also done at the end of the course and survey has been carried out about the satisfaction of their course study, so as to bring new methods to improve the effectiveness of the program.

- Faculty members have attended many programs related to Outcome-based Education (OBE)

based on the input of **IQAC**.

- OBE method helps the student to achieve the outcomes of significance before leaving the Institute.

- Content beyond the syllabus/Virtual Lab Experiments/Co-Curricular Activities for better compliances were approved by **IQAC.** Recommendations of **IQAC** for better compliances were implemented by the course handling faculty in Teaching-Learning Process.

The mechanism for dissemination:

After Vision and Mission approval, COs, POs, PSOs, and PEOs are widely disseminated and publicized through various means, including display and/or communication, as outlined below.

- Institute Website-Department Webpage

- Curriculum /regulations books

- Classrooms

- Department Notice Boards

- Laboratories

- Student Induction Programme

- Faculty Orientation Programme

- Meetings/ Interactions with employers

- Parents meeting

- Faculty meeting

- Alumni meeting

- Professional Body meetings

- Library

The Vision, Mission, PEOs, POs, PSOs and COs are explained to first-year students and other stakeholders during the induction and orientation program. The course faculty outlines the justifications and methods for attaining the Course Outcomes. While beginning the course, the course faculty explains the process used to achieve COs and the assessment tools used to measure that attainment.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

The evaluation of COs is determined by the student's performance across various categories using both direct and indirect assessment methods.

The calculation of COs involves utilizing both direct methods, such as continuous internal assessments, assignments, tutorials, mini projects, seminars, quizzes and University examinations, as well as indirect methods, like Course End Surveys. The weightage assigned to direct and indirect assessments is 80% and 20%, respectively.

Direct attainment of POs is ensured by addressing them through course selection and their corresponding COs. Target levels for PO and PSO attainment are set by Course coordinator, Head of the Department with the approval from IQAC.

In theoretical courses, evaluation encompasses Assignments, and innovative practices like quizzes and seminars, Internal Assessment (CT), University examinations. Questions in Internal assessments are mapped to specific COs using Blooms Taxonomy.

For practical courses, continuous assessment of experiments is conducted, evaluating students based on rubrics that assess their knowledge in designing, conducting, and analyzing experiment results.

1. Calculation of Overall Attainment Level:

The procedure to calculate the overall attainment level is as follows:

 Calculation of Direct Attainment:

Direct Attainment of COn= 0.8(Attainment through External Exams) + 0.2(Attainment through Internal Exams)

 i) Attainment through External Examinations (University Examination):

The percentage of students who scored higher than the desired target on the university exam is used to calculate the attainment through external examinations.

1. **Attainment through Internal Examinations (CT):**

The attainment level target is fixed in the following table.

Attainment Level	Target
3	Students who scored above or equal to 80% of the target
2	Students who scored above the target of 61% -79%
1	Students who scored above the target up to 60%

Upon completion of the course, the Course Coordinator and Head of the Department gauge CO attainment using the outlined assessment methods, providing observations and suggesting actions for further improvement.

Indirect methods include course end survey that contributes to 20% of Attainment.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 85.11

2.6.3.1 **Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
39	49	65	66	44

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
51	49	67	68	74

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	[View Document](#)
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.91

File Description	Document
Upload database of all students on roll as per data template	[View Document](#)

Criterion 3 - 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 last five years (INR in Lakhs)

Response: 19.66

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
7.412	5.033	2.7975	2.977	1.4454

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

- SBECW has an enriching ecosystem that supports creativity and innovation. Innovation and Incubation Cells (IICs) play a pivotal role in fostering a culture of creativity, entrepreneurship, and technological transfer within academic institutions and beyond.

- These cells serve as dynamic hubs that bring together students, faculty, researchers, and industry experts to collaborate, ideate, and transform innovative ideas into viable, market-ready products and services.

- SBECW has founded an Institution Innovation Cell in the year 2018, laying the groundwork for an innovation ecosystem.

- IICs act as catalysts for idea generation by providing a various programmes like research methodology, Intellectual Property Rights Entrepreneurship seminars, Ideathon, Science exhibition and Internal hackathon for students to pitch their innovative concepts.

- SBECW established Intellectual Property Rights (IPR) cell for conducting IPR programs to expose students to various aspects, including patents, trademarks, and copyrights.

- Under the guidance of faculty members from relevant departments, our students have successfully registered patents for various projects.

- AI based smart crop production system against wild animals attack using CNN algorithm.

- Novel agricultural monitoring system with MATLAB validation using Arduino NANO.

- Experiential analysis on partial replacement of cement by using rice straw ash.

- Efficient management system for waste monitoring and controlling.

- Smart ventilation system and health care control using IOT and Big data analytics.

- Interact computer with facial expression for tetraplegia users using deep learning.

- Utilization of soft drink bottle caps and palm fibre in concrete.

- Over the past five years, a cumulative financial grant of 19.66 Lakhs has been generated for 64 projects.

- Additionally, our faculty members have contributed to the research and development by publishing more than 750 research papers in esteemed journals and conference publications.

- SBECW established Entrepreneurship Development Cell to develop entrepreneurial skills and mindset of the students. Students are empowered to navigate the complexities of business ownership through programmes. Hence SBECW EDC collaborate with EDC Hub at **Sastra University** provides the opportunity to participate our students in various programs such as Electronic system design manufacturing and product compliance, IIoT, AR/VR, Introduction to industrial, Aerial and mobile robotics and semiconductor technology at **SASTRA University**, thus enhancing entrepreneurship skills.

- An incubation center serves as a vital hub for nurturing innovative ideas and startups in SBECW. Within each department, SBECW has incubation centers in collaborations with industries.

- In our incubation center, students have developed numerous products such as the Touch-Free Sanitizer Dispenser, Electrical appliances control using IoT, Automatic SMS based irrigation field motor control system, Touch free temperature monitoring system, Estimation of power rating and numbers of solar PV panel required for Installation in Domestic appliances, High-Power Rating Three-Phase changeover system, etc., These products find utility across various companies and industries due to their practical applications.

- Thus SBECW provides opportunity to improve the research & entrepreneurship skills of the students by conducting various outcome based programs and also in collaboration with major institutions like NIT, SASTRA University, etc.,

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 60

3.2.2.1 **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
19	12	9	8	12

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.46

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
5	9	17	1	2

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	[View Document](#)
Link to re-directing to journal source-cite website in case of digital journals	[View Document](#)
Links to the papers published in journals listed in UGC CARE list or	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 10.01

3.3.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
181	150	83	157	170

File Description	Document
List of chapter/book along with the links redirecting to the source website	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

- In addition to enforcing community responsibility, an extension activity fosters community relationships with the residents of the nearby rural areas. SBECW places a great priority on the development and advancement of the community through student body. The Institute is dedicated to helping neighborhood communities to become more conscious of environmental and social issues. In View of this, SBECW provides an environment conductive for the smooth conduction of extension activities. The Institute plans a range of extension activities to promote community spirit in the neighborhood and inform students about challenges that are specific to the area.

- In our institute, we administer a number of groups, including the Red Ribbon Club (RRC), Youth Red Cross (YRC) and National Service Scheme (NSS).Our student volunteers plan events such as awareness campaigns, door-to-door meetings, rally's and do routine activities for the benefit of rural communities. SBECW ensures a minimum of 15 -20 extension activities in an academic year and it encourages all the students to participate in those activities. SBECW appraises the best volunteer with prizes and certifications on annual day celebrations.

- Our College NSS unit was established with the intention of providing assistance to the local and regional population and its motto is "NOT ME BUT YOU". The Moto of YRC and RRC Club at SBECW is "SERVICE TO PUBLIC".

- At pandemic time, SBECW takes the responsibility of creating awareness about the measures to be adopted before occurrence of covid, measures to be adopted after occurrence of covid and also about the preventive measures to be followed, vaccination camp was organized by our college in

association with Vallathiraakottai Government Primary health care center, more than 200 people received vaccinated and for the benefit of nearby village people it was greatly welcomed,

- SBECW Students and Staffs donates fund to sivanandha orphanage and Indian Association for Blind every year and our students received appreciation.

- SBECW NSS, YRC & RRC Volunteers received appreciation for various outreach activities for their excellent efforts and dedication towards society.

Some of the glimpses of activities that are regularly conducted by SBECW are listed below,

a) Rally on self-development and empowerment of women

b) Enriching computer knowledge and communication skill to school students

c) Yoga, global warming, menstrual hygiene, usage of hand sanitizer and mask awareness program for school students

d) Covid 19 Vaccination Camp, Medical camp, eye check up, Aadhaar Correction camp, Voting awareness camp

e) School Campus cleaning and temple Cleaning

f) Awareness programme on E-Vehichle, diabetes and free checkup program

g) A Tree plantation program and Deforestation awareness rally

h) Swachch Bharat Programme to promote hygiene and cleanliness

i) An awareness programme on Road safety, Millets, Electrical safety, Breast cancer, First Aid, Digital transaction, Safety usage of LPG

j) An awareness rally on wearing Helmet, Organ donation, No Tobacco, Disaster management awareness

k) Special programme on Legal Rights for Women

l) Gender issues and AIDS awareness program

m) SBECW always encourage the extension activities in neighborhood community by providing awareness of social responsibility to students and creating impacts in social development activities to ensure holistic development of the society.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

SBECW is appreciated by various organizations by appreciating and receiving various awards for conducting different kinds of extension and outreach activities.

- SBECW receives Indian Association Award for Blind by donating funds for International white cane day contribution for visually challenged students education through Red Ribbon Cross (RRC) for every year.

- SBECW-RRC/YRC/NSS volunteers involved themselves in various events like awareness rally on HIV AIDS, Tree plantation, Enriching computer Knowledge, Importance of women education and received an Award from Village president of poovarasakkudi village panchayat for E-vehicle awareness programme conducted on 23.02.2023.

- SBECW – National Service Scheme (NSS) conduct the tree plantation programme in government school at Kaikkurichi village on 12.02.2022 and received an appreciation from village president of panchayat. Our students also organized various programs like a rally on wearing helmet, alertness program on road safety, Harghartiranga rally and Health checkup camp.

- Global Warming Awareness programme was organized by SBECW-NSS volunteers and received an award from the Head Master of Ramasamy Deivannai Ammal Govt. Hr. Sec. School, Vallathiraakottai on 07.03.2020.Our SBECW Volunteers organized digital transaction rally and shared the importance of digital traction to the public.

- Blood donation rally was organized in kaepparai village and our NSS Volunteers received an appreciation from Mrs.S.Renganayagi, village president of Kaikkurichi on 18.07.2019. Various events like vehicle maintanenece, obeying traffic rules and signs, safety usage of electrical appliances was also conducted by our students.

- To enrich the fundamental computer knowledge to government high school at kulavaipatti, SBECW-NSS volunteers received an appreciation on 28.01.2019 and also organized a organ donation rally at Primary Health care center,Kulavaipatti.

- SBECW NSS/YRC/RRC Volunteers conducted several outreach activities like Green garnival,Swach Bharath rally and received appreciation from village president of vaandaakottai panchayat for Door to Door meeting regarding the importance of toilet usage to maintain clean and healthy environment on 30.11.2018

- SBECW NSS Volunteers cleaned the temple at alagambalpuram and received an appreciation from the village president on 16.07.2018. Our Volunteers also organized various activities like disaster management awareness program, a rally on self development and empowerment of women, deforestation and dengu awareness rally.

- SBECW volunteers were appreciated by village people for their active involvement in implementing the various outreach programmes and extension activities organized in various village, like

  - Vijayaragunathapuram
  - Sathirappatti
  - Vennavalkudi
  - Sendhakudi
  - Thoppukkollai
  - katthakkuruchi
  - Audaiyarpatti
  - Vallanaadu
  - Paapaavayal vilakku
  - Muthupattinam
  - Keelaiur
  - Periyanayagipuram
  - Paalaiyur

- SBECW NSS/YRC/RRC Volunteers also conducted various carrier guidance program for school students at

  - Andakkulam
  - Kalanivaasal
  - Arimalam
  - Arayapatti
  - Maramadakki
  - Thanthaani

Thus, SBECW enhance the opportunity of students to participate in the various awareness programs in and around nearby villages and received more number of awards and appreciation from the government / non government organizations.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums

including NSS/NCC with involvement of community during the last five years.

Response: 83

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

2022-23	2021-22	2020-21	2019-20	2018-19
24	21	2	15	21

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 32

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	[View Document](#)
List of year wise activities and exchange should be provided	[View Document](#)
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

- SBECW was spread over an area of 5.02 acres, with well equipped infrastructure and amenities to provide conducive atmosphere for happy teaching and learning activity.

- Every classrooms and seminar halls are equipped with over-head LCD projectors, Internet facility, audio systems and having spacious, good ventilation and illumination.

- SBECW has the following infrastructure and other facilities.

Facilities	Total Number
Teaching-Learning Facilities	
Lecture Hall and Tutorial Hall	18
Laboratories	28
Workshop	1
Centralized Computer Centre	1
Language Laboratory	1
Drawing Halls	2
Library and Reading Room	1
Seminar Halls	2
Administrative Facilities	
Principal Office	1
Office Room	1
HoD's Cabin	4
Department Office Cabin	4
Staff Room	8
Central Stores	1
Maintenance	1
House Keeping	1
Pantry	1
Exam Cell	1

Training and Placement	1
Counselling Room	1
IQAC Cell	1
Incubation Centre	1
Security	1
Amenities	
Girls Common Room	1
Canteen	1
Stationary	1
Medical Room	1
Yoga Centre	1
Gym	1
Sports Room	1
Auditorium	1
Toilets	84

- Labs are well designed and equipped as per the university norms. The college management shows immense interest in facilitating students' thirst in learning modern technology.

- Apart from regular curriculum, an additional lab Arduino is established with most recent emerging technologies in the field of computing and IOT's.

- Every department is equipped with their own computing resources and a department library to meet out the needs of their faculties and students.

- SBECW has 1 conference hall, 2 seminar halls SH-1 and SH-2 with seating capacity 400 and 150 respectively, for conducting various co-curricular activities.

ICT – enabled facilities

- ICT enabled smart class room and seminar hall helps the faculty and student to enrich subject knowledge of the students through presentations, animated videos with latest scientific tools like Google meet, Zoom, Google classroom, Microsoft Team App to engage the students apart from regular working hours, so as to keep the students in touch with subjects regularly.

Cultural Activities

- Cultural activities in International Women's day, Independence day etc., and "**AARA**" cultural festival celebrated every year and are monitored by the cultural committee comprising of faculty members and students.

- Various cultural competitions like dance, music, drama, choreography, vegetable carving, clay modelling, drawing etc. are conducted to promote student's extracurricular activities.

Sports activities and Games

- SBECW provides sufficient facilities for both indoor and outdoor games like Chess, Table Tennis, Throw ball, Volley Ball, Kabaddi, shot put, shuttle hawk, silambam are regularly conducted on all importance days to maintain physical and mental health.

Yoga Centre

- In SBECW, we have separate Yoga fitness centre for the beneficial of staff, students and conducts yoga programs periodically with yoga master Mr.Pandiyarajan. International Yoga Day is celebrated every year with yoga experts, demonstrating the aashanas for strengthening of women health.

Gymnasium and auditorium

- **SBECW fitness centre (Gym)**, is fully equipped with comprehensive range of all equipments and students are encouraged to do physical activities.

- SBECW has very big closed auditorium with minimum seating capacity of 1000. The Auditorium hosts various academic, annual and cultural events of the college and other activities.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 28.4

4.1.2.1 **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
11.12	8.68	7.58	9.09	15.17

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)	

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

- SBECW has Central Library which is fully automated using Integrated Library Management System (ILMS) software –DIGITALLIB.

- DIGITALLIB software is used to perform various operations of library like Rack master creation, Membership creation, book updation, periodical master entry, IN and OUT entry of user, book issued and return report, book reports categorized by accession.

- Visit entries to library by students and staff are updated in OPAC – online public Access catalogue register.

- Students are allowed to have the books for 15 days and staffs are allowed to have it for one month. After this prescribed period they need to renew the book for further usage.

- All activities related to book usage are carried out digitally by using digitallib software with the help of bar code reader.

- Code books, Hand books and Encyclopedia are sufficiently available for the benefit of the students' community.

- Digital room with ten multimedia desktop with internet connection and audio system are provided in our library, so that students can access NPTEL/SWAYAM, lectures effectively ensuring the utilize of ICT facilities.

- Our institution also has an institutional membership with DELNET since 2013 and renewed every year. The DELNET subscribes e-resources like e-books, e-journals, videos, dissertations and

students can access without any hindrance. It also subscribes 6 national and international journals each for every department in every year.

- The library has sufficient seating capacity of approximately 150. The central library has separate section for GATE, TANCET, UPSC, TNPSC, CAT, Quantitative Aptitude, Reasoning etc., and other competitive examinations (Bank, RRB and BHEL).

- Library has provision for students to refer back volumes of university question papers (question bank) for preparing their examination. Library hours are included in the regular timetable wherever possible; so as to enable students to access the library effectively.

Sl. No	Department	Titles	Volumes
1.	Civil	909	2122
2.	CSE	2054	4907
3.	ECE	1734	3671
4.	EEE	833	1954
5.	Science and Humanities	863	2091
6.	General	298	414
	Total	6691	15159

- Best library user award is presented to both students and faculty every year in the Annual Day.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

- SBECW campus has internet connectivity (wired and Wi-Fi extenders) with speed of 100Mbps.

- Surplus Ethernet ports are provided in all the labs for the laptops to access internet.

- Computer laboratories are well equipped with state-of-the-art technology and are available to all

staff and students.

- Our institution has 225 computers, 4 servers and all the departments have their respective software packages according to the curriculum.

- Browsing hour is included in the regular time table wherever possible.

- Day's scholars are allowed to access the internet during lunch and break timings whereas the hostellers are allowed to access the internet till 6 PM.

- **Name of the Internet provider:** Airtel (Infonet Comm Enterprises Pvt Ltd)

- **Available Bandwidth**: 100Mbps

- **Wi-Fi Availability**: Yes

- **Computer with Internet access in labs, library, and offices of all departments:** 175

- **Security arrangements**: 360 Total Security and Microsoft Defender Antivirus

Sl.no	Server	Configuration
1	Communication Lab- Windows Server 2008	Brand: HP Processor: Intel Dual Core Memory: 8 GB RAM
2	Computer Lab – Linux Server	Brand: HP Processor: Intel Dual Core Memory: 8 GB RAM
3	Internet - Windows Server 2022	Brand: DELL Processor: Intel Core i5 Memory: 16 GB RAM
4	Lab Server - Windows Server 2022	Brand: LENOVO Processor: Intel Core i7 Memory: 16 GB RAM

Server Details:

- Four Main servers are available in SBECW. One server (Windows 2008) provides data storage facilities for all students and staff, which serve as intranet with study materials.

- The second Linux server controls all the lab computers associated with it.

- Third server (Windows 2022) is reserved for examination and administration purpose.

- Fourth server (Windows 2022) is used for advanced technology laboratories.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 1.14

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 225

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	[View Document](#)
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 48.83

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
22.09	10.96	9.28	17.95	28.49

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 90.7

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
241	178	189	213	232

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	[View Document](#)
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	[View Document](#)
Upload policy document of the HEI for award of scholarship and freeships.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

> 1. *Soft skills*
> 2. *Language and communication skills*
> 3. *Life skills (Yoga, physical fitness, health and hygiene)*
> 4. *ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	[View Document](#)
Report with photographs on ICT/computing skills enhancement programs	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 100

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
256	194	207	237	267

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	[View Document](#)
Proof related to Mechanisms for submission of online/offline students' grievances	[View Document](#)
Proof for Implementation of guidelines of statutory/regulatory bodies	[View Document](#)
Details of statutory/regulatory Committees (to be notified in institutional website also)	[View Document](#)
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 100

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
39	49	65	66	44

5.2.1.2 **Number of outgoing students year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
39	49	65	66	44

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	**View Document**
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	**View Document**
Institutional data in the prescribed format	**View Document**
Provide Links for any other relevant document to support the claim (if any)	**View Document**

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 0

5.2.2.1 **Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

File Description	Document
Institutional data in the prescribed format	**View Document**

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 last five years

Response: 31

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

2022-23	2021-22	2020-21	2019-20	2018-19
5	9	4	2	11

File Description	Document
Upload supporting document	[View Document]()
list and links to e-copies of award letters and certificates	[View Document]()
Institutional data in the prescribed format	[View Document]()
Provide Links for any other relevant document to support the claim (if any)	[View Document]()

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 39

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
44	54	11	38	48

File Description	Document
Upload supporting document	[View Document]()
Institutional data in the prescribed format	[View Document]()

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

Response:

- An alumni association serves as the backbone of Sri bharathi engineering college for women, fostering lifelong connections and creating a supportive network for our students or graduates.

- Alumni association of sri bharathi engineering college for women Pudukkottai registered under Government of Tamilnadu Societies Act 1975(Tamilnadu Act 27 of 1975) with the Registration reference number (Sl.No: SRG/Pudukkottai/87/2023 dated 21-11-2023), provided in the Self Study Report of SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN.

- Alumni association was established in the year 2017 and also the alumni association meeting was conducted every year for strengthening ties between graduates, the alma mater, and the broader community. These events serve as a celebration of shared experiences, friendships, and achievements.

- They also provide a platform for alumni to reconnect with faculty, share success stories, and reminisce about their time at the institution.

- Some of the Alumni's were shared their experiences in different areas including current trends in technology, ways for entrepreneurs, requirements for industry job, motivational speech, crypto currency, recent software tools and practical constrains in industry.

- All Alumni expressed their gratitude's to our college for arranging this gathering.

- Our alumni frequently engage with the institution through the association, providing valuable support in terms of industry partnerships, resource person for various programmes including soft skills, communication skills, ICT, Entrepreneurship and career development programs. This symbiotic relationship strengthens the Institution's position and reputation.

- SBECW proudly admits many distinguished alumni who are currently working prominent positions in MNC's such as Valeo India PVT LTD, HCL Technologies, SNK Univerdsal Electronics pvt ltd, CTTI, AKAS, FLEXTRONICS, FOXCONN, … etc. **S. Aishwarya is one of the alumni who have become successful entrepreneurs running several companies including Bharat Machines, AR Industries & SAS Machineries.**

- Alumni interested to contribute for the growth of the institution through philanthropy, research initiatives or infrastructure development.

- As a tribute to its impact, the Alumni Association remains a vital force and serving as a testament to the enduring academic excellence at our institution.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Sri Bharathi Engineering College for Women (SBECW) is the first one and only college started for women in Pudukkottai, in the remembrance of famous poet and freedom fighter, Bharathiyar, as he fought for women freedom. This college is located in rural area and run by Sri Bharathi Educational Trust, in the year 2009, mainly to inculcate quality education for women and their empowerment.

Vision:

To accomplish the vision of Tamil Poet MAHAKAVI SUBRAMANIYA BHARATHIYAR, Sri Bharathi Engineering College for women obliged "To Empower Women as Intellectual, Valued Human, Ethical Engineer through Outcome Based Education to serve the society in the right path".

Mission:

Our Institution Strive to attain the following Mission statements in order to achieve the Vision of Sri Bharathi Engineering College for women,

- To create conducive atmosphere for Active Teaching-Learning process by adopting Outcome Based Education to turnout an Intellectual Women Engineers.

- To impart value based Education to become Valued Human and professionally groom as Ethical Engineer in the field of Engineering and Allied Areas.

- To inculcate R&D activities in recent engineering and emerging areas to address the day to day issues faced by the society.

- To practice lifelong learning and empowering women students to serve the society as learned person.

Nature of Governance:

The Institute is administered by governing council and it consists of Academician from reputed Institution, Industrialist, Eminent management members, the Principal, Placement Officer and Senior Faculty member. The Governing council and the Head of Institution work together towards the planning and implementation of the Institutional quality policy. The governing council meeting is conducted to

ensure the quality initiatives in administration, policy making, implementation of new ideas, and addresses the issues for the institution's growth.

Decentralization & Participative Management

- SBECW encourages and motivates the culture of decentralization and participative management. In the decentralized set up, the Principal, who is the academic & administrative head, monitors the overall functioning and has powers for academic, administrative, financial issues for the growth of institute.

- Next to Principal, Academic aspects are managed by Department Heads, while administrative responsibilities are overseen by Office Manager.

- Besides Management, Faculties are assigned as members and conveners of various committees that are instituted for day-to-day functioning of the college. The committees discuss various problems and recommend decisions to the principal through management.

- The Chairman and trust members actively participate in daily college affairs, contributing to various tasks. This hands-on approach contributes to the overall enrichment of the institution. Mega events are coordinated through meetings conducted by the Chairman with office bearers, providing detailed explanations of the agenda.

NEP implementation

- SBECW promotes interdisciplinary learning by adapting choice based credit system in which students can choose elective subjects from other discipline.

- Enhancing the research innovation ecosystem through our incubation center.

- Signed MoU's with various industries to bridge the gap between academics and industry.

- Conducted Skill development courses, VAC with modern technology regularly.

- Arranging Seminar, Conference ,Workshop, etc., for technology transfer.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

The College is located in a rural background in the district of Pudukkottai, Tamil Nadu. It focusing on grooming the students in all aspects and make them be industry ready. It inculcates in the students, a democratic outlook as well as honoring their dexterity to develop as resourceful enterprising citizens, who would contribute their best to national culture and civilizations. Our Institution has formally stated a quality policy.

Strategic Plans and its Deployments of the Institution

- SBECW is committed to ensure continual improvement and continuing review of quality management system, involving the entire team of motivated and committed staff, students and compliance of statutory regulatory requirements.
- The Governing Council is the backbone of the Institution and is responsible for the policies of the Institution. The members of the Governing council discuss and decide policies and action plans for fulfillment of the mission and vision of this Institute in a progressive mode and the same is deployed and monitored.
- The strategic plans focus on developing the Institution as a whole, improving the infrastructure, enhancing faculty research and development, developing students' careers, promoting academic quality, and reforming examinations.

Quality Policy

- "The Quality Policy of SBECW is to provide high quality technical education through outcome based systematic and professional approach for educational and identical development through implementation of quality management system".
- Our College is committed to ensure continual improvement and continuing review of quality management system, involving the entire team of motivated and committed staff, students and compliance of statutory regulatory requirements.

Administrative Setup

- SBECW follows effective decentralization of responsibilities within the campus and decentralized by Governing Council members, IQAC Coordinators, HoD's, Exam cell coordinators, Placement coordinators, Faculty members, Various committee Coordinators and Members, Librarian, Physical education director and Administrative officer, Office staffs, Transport In charge, Gardening In charge, Security and Scavengers.

Service Rules and procedures

- Employees appointed in SBECW, must adhere to the rules and regulations laid down by the Board of Governance.

- The College is wholly, administrated by a Trust and its Board of Members reserves, it rights to alter or cancel, any or all of the rules and regulations, temporarily for short/long duration or permanently.
- The Service rules and procedures followed in our Institution is available in the following link for further reference.

  https://www.sbec.edu.in/naac/c6/6_2_1_HRpolicy.pdf

File Description	Document
Upload Additional information	[View Document](#)
Institutional perspective Plan and deployment documents on the website	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2.2

Institution implements e-governance in its operations

    1. Administration
    2. Finance and Accounts
    3. Student Admission and Support
    4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	[View Document](#)
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	[View Document](#)
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Our Institute puts forth all endeavors to support the career development of its teaching and non-teaching staff which in turn impacts on Teaching Learning system of college. Staff members are encouraged to acquire the latest skills by attending FDP, Workshop, Seminar, Refresher courses etc.,

Performance Appraisal

Performance Appraisal system includes both teaching and non teaching Faculty members. Self Appraisal forms will be collected from our Staff members and analyzed for each academic year, based on the academic performance, the Faculty Members with better performance were appreciated with appreciation letter and cash award and Faculty members with least scores are called for counseling with concern HoD in the Principal's office to encourage and motivate them to enhance their performance.

Effective Welfare Measures

Teaching staff

Our Institution provides better way to promote the teaching staff in many way which include

- Enriching the Quality of Faculty by allowing them to attend Workshops, FDP in the institutions.
- Providing Registration fee, TA and on duty leave for all faculty members based on their experience to attend all career development programmes.
- Funding for research publication and membership in professional bodies.
- On Duty for Central Valuation and exam related works.
- Additional On Duty was provided to Faculty
- Encouraged to utilize laboratory and library for their research.
- Internet and Free Wi-Fi facility.
- Provision of Provident Fund (Contribution from management).
- Free Transport facilities for all faculty members.
- Fee concession is provided for the wards of staff members studying in Sri Bharathi Institutions.
- 12 Days Casual Leave in an academic year and a vacation leave of 30 days.
- Maternity Leave will be provided for six months.
- Emergency Permissions are permitted to staff members.
- Incentives for producing 100% results.
- Faculty Members are felicitated in annual day functions for 100% attendance.
- Yearly Increments based on their performance.
- Group Insurance Scheme (GIS)
- Sponsorship for higher studies.
- Special awards, gifts during important functions.
- Family Benefit Fund for Wedding.
- Fun games are arranged during Festival Celebrations and sports day.
- Yoga practice and meditation is permitted for faculty.
- Bonus for Diwali and Pongal festivals.
- Free lunch for all festivals and functions.

Non teaching staff

- Internet and Free Wi-Fi facility.
- Provident Fund (Contribution from management).
- Transport facility is provided with free of cost.
- Fee concession is provided for the wards of staff members studying in Sri Bharathi Institutions.
- Free loan on request.
- Maternity Leave will be provided for six months.
- Emergency Permissions are permitted.
- Fun games are arranged during Festival Celebrations and sports day
- Family Benefit Fund for Wedding.
- Bonus for Diwali and Pongal festivals.
- For Pongal Festival, dresses, 2 Kg Rice, 2 Kg Sugar, Sugarcane will be given to all.

The various welfare policies are intended for the benefit of both teaching and non-teaching staff. Recognition, acknowledgment, and support from management have resulted in personal and professional growth among teaching and non-teaching staff.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 72.98

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

2022-23	2021-22	2020-21	2019-20	2018-19
41	42	18	45	35

File Description	Document
Policy document on providing financial support to teachers	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	[View Document](#)
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 80.34

6.3.3.1 **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP),** *Management Development Programmes (MDPs)* **professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
70	68	35	48	65

6.3.3.2 **Number of non-teaching staff year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
23	22	21	22	20

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the certificates of the program attended by teachers.	[View Document](#)
Annual reports highlighting the programmes undertaken by the teachers	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Sri Bharathi Engineering College for Women was located in rural area and run by Sri Bharathi Educational Trust, in the year 2009, mainly to inculcate quality education for rural women. The

Institution has a well-organized and well-planned process for raising funds and resources. In SBECW, financial planning is done by the Principal, Department Heads and Accounts Department in discussion with all the related committees.

Mobilization of Funds:

SBECW has a transparent and systematic financial management system. The tuition fees, hostel fees and transport fees paid by the students are one of the sources of revenue generation for the Institution, which are collected in accordance with the guidelines of the affiliated University.

Optimal Utilizations:

Annual Budget for the Institution is prepared at the beginning of the year, considering the potential income and expenditure involved. The departments also come up with their annual budget based on which the required funds are allocated for the year .The budget submitted by the HoD's is carefully verified by the principal and forwarded to the chairman for further approval. The majority of financial resources are spent on paying salaries, building and maintaining infrastructure, upgrading lab equipments, service providers, purchasing library resources and providing financial assistance for Faculty members etc.,

Financial Audit:

- SBECW carries out internal as well as external financial audits regularly.
- Employees of Institute take care of internal audit while external auditors representing an outside audit firm conducts external audit.
- Internal Audit is performed by officials deputed from the Institute periodically and the reports are obtained before the conduct of the external audit after the closure of the accounts in all respects.
- During the course of internal audit, all required steps are taken to regularize the accounts, to obtain confirmations for the credit balances and to collect documentary evidences wherever required and will look into reconciliation of unit wise balances with the control accounts and banks reconciliations.
- External audit is done by statutory auditors after the financial year. External auditors are independent of our organization.
- External auditors report to the Institution's shareholders. They provide their experienced opinion on the truthfulness of the Institution's financial statements.
- SBECW follows accounting heads like Fees collected from students, various expenses made, Provident Fund, Profession Tax, TDS, Assets and Liabilities etc.
- A thorough check and verification of all vouchers of the transactions is carried out in each financial year.
- The observations given by the auditors are duly complied based on the consolidated reports, our Institution submits the annual returns every year to Income tax authorities and the other relevant authorities concerned.
- Audited financial statements including Income and Expenditure Account, Balance Sheet etc., are prepared by qualified auditors and submitted to banks and other regulatory agencies.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

- IQAC continues to ensure various quality assurance measures at all levels of the organization operating as mentioned below.
    - Implementation of Outcome-Based Education (OBE) in the Teaching-Learning Process.
    - Establishment and Operation of the Institute Innovation Council (IIC).

- Integration and Utilization of ICT Tools for Education.
- Collaborations and Partnerships with Industries.
- Enhancement of Learning Resources.
- Focus on Research Publications and Patents.

- The SBECW established its Internal Quality Assurance Cell (IQAC) in 2017, which is aligned with NAAC directives. The IQAC Coordinator is responsible for ensuring adherence to institution policies. SBECW's IQAC focuses on improving the institution's quality and observing performance indicators. It helps in gathering feedback from internal and external stakeholders, contributes to educational and managerial improvements within the organization.
- IQAC improves organizational performance through strategic implementation. It offers suggestions for refining the teaching and learning process, guest lectures, video lectures, experiential learning, problem-based learning, participative learning, creative thinking, seminars and innovative methods like ICT tools and PowerPoint presentations.
- IQAC encourages various committees and cells including NSS, YRC, RRC and the alumni association to organize many awareness camps, extension projects, and service-oriented activities. IQAC conducts academic and administrative audits periodically to verify all the documents.
- Responsible for collecting, analyzing and interpreting data, IQAC assesses various aspects of the institution, including student performance, faculty productivity, research output and utilization of resources.
- Engaging with stakeholders including industry representatives, alumni and the community, IQAC ensures that the institute meets their expectations and effectively serves their needs.
- IQAC monitors all curricular including co-curricular and extra-curricular activities and conducts two review meetings per year with Academic Coordinators and Heads of Departments. The Committee prepares reports and submits them to the Chairman, and appropriate action is taken on the recommendations of the Committee.
- Facilitating student feedback mechanisms, IQAC gathers input on the quality of teaching, infrastructure and overall educational experience.
- IQAC organizes FDP's, workshops and seminars to promote professional development of teaching and non teaching faculty members.
- The primary objective of the IIC's activity includes several aspects: conducting innovative and entrepreneurial activities, recognizing and promoting new innovations, organizing frequent workshops, seminars and interactions with talented entrepreneurs and investors.
- In addition, it aims to provide mentoring support to student innovators, conduct project expos for students from various domains and organize events such as hackathons, idea competitions, startup idea showcases and mini-challenges.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	[View Document](#)
NIRF report, AAA report and details on follow up actions	[View Document](#)
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)
Link to Minute of IQAC meetings, hosted on HEI website	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Gender Equity:

Eventhough Sri Bharathi Engineering College for Women (SBECW) is an institution started solely for women students, male faculty and other male staff are also recruited maintaining fair treatment. Various Committees like Internal Complaint Committee, Anti-ragging Committee, Student Grievance Redressal Committee, Women Empowerment Cell etc., are constituted with male and female teachers and staff which promote gender equity, safety, and grievance redressal.

Awareness programmes are also conducted by inviting eminent speakers from prominent fields including Psychologist, Doctors, Soft skill trainers, Advocates, Syndicate members Retired Engineers, Alumni and persons from Army, Research Institutes, Universities and Educational Institutions on days of National and International importance. This empowers them to develop self confidence, leadership qualities, communication skill, time-management, employability, balancing priorities, self motivation and professional growth.

Safety and security

Safety and security measures of women students are taken care through awareness programs on sexual harassment and women empowerment. Security is ensured by providing 24x7 CCTV/Cameras at vital and critical locations covering the entire campus for monitoring the entry and movement of visitors. Lady security guards are deployed at main gate and in the college building. Apart from this, Discipline Committee is functioning during all break hours to inculcate discipline among students. Hostel furnished with all facilities and dedicated residential warden is available 24x7 in hostel taking responsibility of staying students. Exclusive GPS attached transportation systems are available for students and staff to trace routes and enhance security.

Counselling

Mentors are allotted for all students and they receive counselling on issues related to personal, psychological, emotional problems or difficulties. They also guide the students on academic, career and placement activities. The students get motivated to attend training programs and pursue self-learning courses. Any Grievances, Feedback and suggestions are addressed through mentors/Class Committee Meetings/Feedback Box and suggestions are given.

Sensitization in curricular and co-curricular Activities:

Courses like Human rights, Professional Ethics, Environment and Sustainability and Human Values are offered to all students to sensitize the students about the constitutional obligations and gender equity. This gives them insight into Environmental concerns, Human Values, Rights and Behaviour. Other Initiatives ensure active participation of students in co-curricular activities including sports and other inter and intra college competitions.

Facilities for Women:

Separate rest rooms are provided on adequate numbers in all floors. Institution is equipped with facilities like medical room for sick to cater to health, hygiene and safety. First aid box and ambulance are provided to meet health emergencies. In addition a sanitary napkins vending machine and incinerator for women staff and girl students are installed in the rest room.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.1.2

The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	[View Document](#)
Geo-tagged photographs/videos of the facilities.	[View Document](#)
Circulars and report of activities for the implementation of the initiatives document	[View Document](#)
Bills for the purchase of equipment's for the facilities created under this metric	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

With the initiative and support of the management, the institution inculcates a feeling of oneness among the student community through various practices and programs. These programs are conducted to create an environment for ethical, cultural, linguistics and spiritual values among the students and staff. We also follow separate code of conduct for students and staff irrespective of their region or culture.

Tolerance and Harmony:

The institution constantly works upon to develop them as better citizens of the country and promote Unity in Diversity by organizing various programs. Our students participate in different festivals

enthusiastically which implant the social and religious harmony in them. Yoga day, Onam and Pooja are celebrated which brings harmony among the students.

SBECW celebrates the cultural and regional festivals like New-year's day, Diwali and Pongal celebrations every year. The teachers and students come in traditional wear to create a sense of unity among the students. This promotes an environment of tolerance among students from different backgrounds. The **'AARA Cultural Fest'** was the most awaited celebration with competitions on dance, drama, silambam, essay writing, English Elocution etc. This gave an opportunity for the students to express their creativity and talents by co-ordinating with one another.

Anti-ragging Committee of the Institution functions actively by following specific mechanisms to prevent ragging in college and hostel campus. No complaints had yet been reported which is a result of awareness on Anti-ragging created among the students and surprise visit by squad members. Meetings are arranged through Grievance-Cell as and when grievance arises among students to discuss and take action plan within stipulated time.

Our students enjoy Industrial Visit arranged every year without any discrimination of their social and economical status. With a belief that curricular and extra-curricular events contribute much to the enhancement of our students' personality, we encourage them to participate in cultural and sports competitions.

Constitutional Obligations:

Festivals of national importance such as Republic day, Independence Day, National Science Day, National Unity Day, etc., are celebrated on an annual basis that impart patriotism among students and staff as well. The Electoral Literacy Club of the college organizes Slogan writing contest, Debates, Rally and invited lectures on National Constitution Day and National Voter's Day every year. Electoral literacy club literate the students all about values and responsibilities.

The motivational lectures of our faculty and eminent persons improve the personality of the students and make them responsible citizens of national integration. The topics include Rights of Equality, Constitutional values in Contemporary Indian Politics, Rights and Duties of Citizens under Constitution, Importance of Voting in Democratic Society and Constitutional Rights to Education. Students are also encouraged to participate in the events to know the Fundamental Duties and Rights of the Indian citizens.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format

provided in the Manual

Response:

Best Practice 1

1. Title of the practice:

Bridging Gaps - Building Dreams

2. Objectives of the practice

The approach of SBECW towards grooming students goes beyond the confines of classroom teaching. We recognize the importance of providing a comprehensive educational experience that encompasses intellectual, emotional, and social facets. We aim to empower our students to explore their passions, discover their strengths, and cultivate essential life-skills through a special programme called "Bridging gaps; Building dreams".

3. **The Context**

Through this best practice, we implement a series of programmes like "Break the Ice", "Each One - Catch One", "Mentor-Mentee Program" and "Jobseekers" given to first year to final year ensuring a holistic education experience.

4. The Practice

 (i) I Year

Break the Ice

"Break the Ice, our innovative program exclusively designed for first-year students, cultivates confidence and resilience beyond conventional orientations. Designed to eliminate barriers and foster connections, it offers spoken English, singing, debating, and group discussion skills. Yoga and Meditation classes are conducted periodically by Heartfullness Foundation, Pudukkottai. We emphasize aptitude, logical thinking, and creativity through activities like clay modeling, poetry, and drawing. Motivational lectures,Value added courses (VAC), quizzes, and projects run year-round, encouraging students to step out of comfort zones and discover their strength in overcoming challenges.

(ii) II & III Year

a) Each One, Catch One (EOCO)

Our "Each One, Catch One" initiative, pairs struggling students with high-achieving counter-part, fostering collaboration and bridging academic gaps. With bright students as mentor, offer guidance and academic support to their peers, who may facing challenges. This exclusive approach is particularly impactful for students from rural backgrounds. This approach aids in overcoming academic hurdles, instilling technical skills and adapting to college life.

b) **Mentor-Mentee Program**

In our Mentor-Mentee Program, each dedicated staff member is paired with 8 to 10 students, creating a supportive network where academic and personal guidance converge. Our staff members are committed to assisting students not only in their academic pursuits but also in navigating personal challenges. Through this personalized approach, we foster an environment where students receive tailored support, ensuring a holistic and enriching college experience.

(iii) IV Year

Jobseekers

"The Jobseekers" Program readies final students for successful careers with specialized courses and practical training. Covering aptitude and interview techniques, it equips graduates for the competitive job market. Going beyond academics, it ensures proficiency and prepares students for the professional world. By linking education to employment, this program empowers students to launch rewarding careers with confidence and a strong foundation."

Evidence of success

- Individual strength of students are exposed

- Students get practiced to positive thinking in approaching any situation

- They gain knowledge and exposure by attending symposiums and workshops conducted in other institutions

- Mutual sharing of subject knowledge and leadership capacity are improved

- Employability gets increased

Problems encountered and resources required

- Due to tight academic schedule, time management is difficult. Otherwise the regular studies may get affected.

- Framing of Team members to bring expected output and training them becomes stringent.

Best Practice 2

1. Title of the practice:

"NOT ONLY ME BUT ALSO YOU"– Service to

the Society

2. Objectives of the practice

- To engage students in promoting social welfare activities and responsibilities to addressing the social issues faced by the village people with its solution.

- To provide education on various areas such as health and hygiene, safety, environmental conservation.

- Create awareness on pursuing higher education among rural students.

3. The Context

SBECW is located in rural area and most of the people in the surrounding villages are uneducated and unaware of many social issues. Hence our NSS along with YRC and RRC takes responsibility to equip communities with skills, knowledge, and tools to improve their circumstances.

4. The Practice

(i) Community Services and Awareness Creation

- Our College NSS/YRC/RRC team engages in spreading knowledge, igniting awareness, and nurturing understanding on multifaceted societal issues.

- Engage in diverse initiatives likeAadhar correction camp, voting awareness, e-Vehicle usage, public legal support and services, safety on electrical hazard, obeying traffic rules etc.

- Cleaning the temple, campus cleaning in Government schools at Alagambaalpuram, Periyanayagipuram, etc. promotes "Clean India Mission".

(ii) Education

- Our team of SBECW actively engages in disseminating knowledge through educational programmes.

- Career guidance programme for higher secondary students,Yoga, Guidance for Civil Services Examination, Science Exhibition, etc. are conducted to educate village students.

- Communication and Computer skills for school students.

- Creating awareness on pursuing higher education among rural school students

(iii) Environmental Conservation

Volunteers educate people towardsimportance of

- Tree planting,

- Water conservation,

- Promoting renewable energy

- Preserving earth for eco-friendly environment

(iv) Healthcare Campaign

- The team gets actively engaged in healthcare campaigns by organizing medical camps, conducting inform ativerally, etc. in under-served areas.

- By collaborating with healthcare professionals from Government Hospitals, they conduct eye check up camp, Covid Vaccination camp, blood donation,free diabetes detection, etc.

- Creating awareness on Breast cancer symptoms, wearing mask, HIV/AIDS and other hygienic practices.

- Through these concerted efforts, communities are equipped with knowledge and resources leading to healthier lives.

(v) Other Contribution

- Apart from above service activities and awareness programmes SBECW also focuses on contribution for deserving societies.

- Fund raised by staff and students yearly towards contribution for visually challenged student's education on "International White cane day", and Sivanandha Orphanage and also appreciation received from them.

5. Evidence of success

- Students' participation willingly in the programs every year shows their interest.

- Based on new experience gained from society, our students developed products like "Automatic SMS based Irrigation Field Motor Control Systems" and "High Power Rating Three Phase Change over System". Based on their needs our students also developed projects like "Water Quality Monitoring System", "Agricultural Monitoring System", "Home Automation etc. and submitted in "Smart India Hackathon".

- About 83 extension and outreach programmes are conducted during past five academic years.

6. Problems encountered and resources required

- Limited funding, materials, and logistical support can hinder program execution.

- Time constraint for R & D activities.

- Non co-operation of communities due to various cultural barriers.

- Ensuring consistent and active participation of volunteers can be challenging.

File Description	Document
Best practices as hosted on the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Institutional Distinctiveness: Empowering Women Students - One and Only Women Engineering College in Pudukkottai District

Sri Bharathi Engineering College for Women (SBECW), is a front-running Institution solely for women students, from 2009 at Pudukkottai District. By its name it pays tribute to Mahakavi Subramaniya Bharathiyar, a celebrated Tamil poet and advocate for women's rights. Operated by Sri Bharathi Educational Trust, our college is approved by All India Council for Technical Education (AICTE), New Delhi, and affiliated to Anna University, Chennai. We offer five bachelor's degree programs in Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Information Technology.

Teaching Learning Process

SBECW offers an optimal setting with a proficient faculty to elevate the teaching and learning journey. Emphasizing critical thinking, communication, and creativity, the institution employs outcome-based methods and skill-centric approaches. Leveraging digital resources and academic engagements, there's a marked improvement in students' cognitive skills and educational advancement. Additionally, a mentorship program is in place to address concerns of struggling students. Consistently administering assignments, tests, and evaluations to enhance student performance in semester examinations has enabled

us to uphold our top position and maintain first place in Pudukottai District and 40th place in State level in the Anna University Examinations.

Infrastructural facilities

SBCEW, nestled in a 5.02-acre in Kaikkurichi village, boasts spacious classrooms equipped with LCD projectors, an auditorium, seminar halls, tutorial spaces, common rooms, restrooms, and essential facilities. Our labs feature comprehensive equipment, Centralized Computer Centre with high speed internet facilities emphasizing experiential learning. To combat power disruptions, we've installed a power house, solar panels, UPS systems, and inverters across classrooms, labs, hostels, and street lights. Specifically designed facilities such as stretchers, ramps, and toilets cater to the needs of physically disabled individuals.

Our expansive library houses over 15,000 books covering various departments, 55 periodical magazines, 5 daily newspapers, and 48 national and international journals with bi-yearly subscriptions. It provides a spacious and calm environment for students and staff for reading and lending books. Our college prioritizes Research and Development in diverse Engineering fields, engaging in initiatives like Smart India Hackathon (SIH), patent filings, seeking research grants, and hosting programs on Intellectual Property Rights (IPR) through the Entrepreneurship Development Cell (EDC) to enhance employability skills.

Students gain hands-on exposure to cutting-edge technologies through Industrial Visits to institutions like ISRO and Solar Power Plants. With high-speed Wi-Fi, indoor/outdoor sports facilities, hostel accommodations, Hygienic canteen facility gymnastics, yoga amenities, Health care centre with Ambulance Service for Medical Emergency and GPS-equipped safe transportation covering a 80KM radius, we ensure a secure, enjoyable, and comfortable environment for students.

Students' activities and achievements

Throughout the year, a range of activities, starting with an orientation program for newcomers, along with cultural, sports, social events, and competitions such as essay writing, poetry, debates, drawing, singing, dancing, and face painting, are organized. These activities foster creativity and teamwork among students.

Seminars, training sessions, and competitive events, including inter and intra-college technical fests, provide exposure, resulting in students winning prizes. Various clubs like "Beyond Structure Club," "Binary Brainers Club," "Energy Club," "Einstein's Quiz Club," "Aptitude Club," and "Tamil Mandram" are established to promote interpersonal skills. Specific clubs like the "Binary Brainers Club" and "Coding Club" focus on enhancing coding abilities.

Incubation Centre

Through this centre, students are mentored to start-up innovative projects in the campus and develop them to meet the societal needs. They not only try to find solutions for real life problems but also translate ideas to products and act as a platform for easy commercialization with minimal commercial values.

Alumni

Our esteemed alumni are invited to reunite, reminiscing about their past and sharing insights from their current workplaces. Gathering their valuable suggestions and recommendations, we aim to enhance the learning experience for current students by keeping them abreast of recent trends. Alumni also actively engage with present students, offering a platform that aids in placements and supports their future aspirations.

Placement and Self Development

Continuous self-growth is our focus, emphasizing soft skills like teamwork, analytical reasoning, and professional excellence. Our ICT program covers Adobe Photoshop, MatLab, web testing, CAD simulation, and Google Workspace integration.

The Training and Placement Cell readies students for industry needs with career guidance, UPSC/TNPSC insights, and skill enhancement sessions by experts from various organizations, like the District Employment Office, Ministry of Finance-Department of Revenue, IIT Madras, IAS academies, and others. They offer aptitude, group discussions, technical skills, and mock interview training.

Our students have secured placements in esteemed companies such as TVS Electronics Ltd., Akas Infusions, S & K Universal Electronics Pvt. Ltd., HCL Technologies, and TVS Auto Components Ltd. in previous years.

We have signed Memorandum of Understanding (MoU) with various industries, organizations and companies for mutual resource and knowledge sharing through internship, seminars, value added courses and certificate courses.

Student Welfare

Anti-ragging, Grievance Cell, Internal Complaints Committee comprising faculty and counselors, provide a safe space for reporting harassment or campus issues. They collect complaints through suggestion boxes, address concerns promptly, and ensure fair resolutions for a secure learning environment.

Students from diverse backgrounds receive assistance in applying for scholarships such as Post Metric, First Graduate, Government School Students', and National scholarships. These initiatives aim to relieve financial burdens, allowing students to focus on their studies.

Community Engagement and Service

NSS in collaboration with RRC and YRC engage in 82 voluntary activities, including eye check-up camps, blood donation drives, and tree planting, these groups offer services like temple and school campus cleaning, aiding orphanages, and conducting awareness programs on various topics. They also educate school students on careers, computers, and organize medical check-ups.

We implement proper waste segregation and ethical disposal methods at our institution. Emphasizing a Green Campus initiative, we aim to plant more trees to reduce carbon dioxide emissions. We've raised awareness among students and faculty about the ban on non-disposable plastic use, striving for a plastic-free campus.

SBECW takes much effort to maintain its academic standing and become renowned for its credible teaching methods, to produce top-tier technical professionals.

File Description	Document
Appropriate web in the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

1. For over a decade, we rank first among the eleven engineering colleges in Pudukkottai district. Recently, we achieved the 40th rank in state-level Anna University examinations among 400 engineering colleges in Tamil Nadu, and as a notable achievement our students secured three university ranks so far.
2. Rain water harvesting
3. Greenish environment
4. 24/7 Purity water supply, electricity and security protections
5. Bio degradation system

Concluding Remarks :

Sri Bharathi Engineering College for Women (SBECW), an educational institution founded by the Sri Bharathi Educational Trust, holds a profound vision and mission: to provide science and technology education to rural girl students.

Our college is committed to delivering high-quality technical education that not only focuses on knowledge, technology, information, and communication but also prioritizes the moral and ethical development of young female students.

The institution has implemented Outcome-Based Education (OBE) successfully in both academic and administrative processes. This includes designing a syllabus for Value Added Courses (VAC) based on OBE principles, integrating OBE elements in Continuous Internal Assessment (CIA), creating model question papers, evaluating answer scripts, and more.

Our dedicated faculty members continuously strive to enhance their skills to meet the evolving challenges of the teaching-learning process in today's educational landscape. SBECW benefits from a proactive governing council comprising engaged management trustees, qualified and devoted faculty members, module coordinators, course coordinators, and various program coordinators. This structure ensures effective decentralization and participatory management practices.

Our Institution is committed to continuously upgrading our facilities and infrastructure to adapt to the changing pedagogical and research environments. At SBECW, our primary focus is on research policies that drive development and contribute to achieving sustainable development goals. In line with UGC regulations, we have established a Anti-Ragging Committee (ARC) and an Internal Complaints Committee (ICC) to address cases of sexual harassment involving students and faculty, ensuring their safety and security on campus. Our alumni are invaluable assets, inspiring current students and aiding them in reaching their career aspirations.

The college takes pride in its environment-based initiatives, fostering a holistic awareness among both students and staff members.