



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution		B.M.S.COLLEGE OF ENGINEERING
• Name of the Head of the institution	Dr. Bheemsha	
• Designation	Principal	
• Does the institution function from its own campus?	Yes	
• Phone No. of the Principal	9448410228	
• Alternate phone No.	26622130	
• Mobile No. (Principal)	9448410228	
• Registered e-mail ID (Principal)	principal@bmsce.a c.in	
• Address	P.O. Box No. 1908, Bull Temple Road,	
• City/Town	Bengaluru	
• State/UT	Karnataka	
• Pin Code	560019	
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)	01/07/2018	
• Type of Institution	Co-education	
• Location	Urban	

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr. Shambhavi B R				
• Phone No.	08026614356				
• Mobile No:	9886784959				
• IQAC e-mail ID	iqac@bmsce.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://bmsce.ac.in/assets/files/aqar/aqar_2021-22.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://bmsce.ac.in/home/Calendar-of-Events				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.41	2013	05/01/2013	04/01/2018
Cycle 2	A++	3.83	2019	28/03/2019	27/03/2024
Cycle 3	A++	3.56	2024	30/10/2024	29/10/2031
6.Date of Establishment of IQAC			01/03/2014		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Department of Telecommunication	5G use case Labs	Government of India	27/10/2023	85,00,000	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI			View File		

9.No. of IQAC meetings held during the year	2	
Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes	
If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
If yes, mention the amount		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
1) With an aim to monitor, evaluate academic and other performance of the institution, external academic audit (comprising of three university nominees) was conducted on 26.02.2024. The audit report sent to the University, UGC & Department of higher education and also published on College website. The observations placed for consideration and review of Board of Governors (BoG)		
2) The College successfully accomplished the ISO 14001 - environmental management systems (EMS). The audit helped to ensure that the college has complied to prescribed environmental regulations. The ISO 14001 certificate was awarded on 16.05.2024		
3) BMSCE has been awarded the prestigious NAAC (National Assessment and Accreditation Council) accreditation with a CGPA of 3.56 on a four-point scale at the highest grade of A++ Grade in Cycle III Accreditation. This significant milestone reflects the institution's sustained commitment to excellence in maintaining high academic standards and continuous improvement in various aspects of education, infrastructure, and student support services. With the institution achieving the highest grade in the third consecutive cycle of NAAC Accreditation, the validity of Cycle III Accreditation is for a period of seven years i.e. from 30.10.2024 to 29.10.2031.		
4) The Teaching Learning Centre (TLC) conducted numerous capacity enhancement and knowledge upgradation programs and sharing prevalent pedagogical practices among teachers across disciplines.		
5) The IQAC helped the institution prepare for accreditation NBA,		

New Delhi and University Annual Affiliation Process by collecting data, preparing self-study reports, and ensuring compliance with accreditation criteria

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
Conduct External Academic Audit with an aim to monitor, evaluate academic and other performance of the institution	External academic audit (comprising of three university nominees) was conducted on 26.02.2024
Certification by ISO 14001 - environmental management systems (EMS)	The College successfully achieved the ISO 14001 certification- Awarded on 16.05.2024
To obtain NAAC (National Assessment and Accreditation Council) accreditation (Cycle III)	BMSCE was awarded NAAC accreditation with a CGPA of 3.56 on a four-point scale at the highest grade of A++ Grade in Cycle III Accreditation. The certificate was issued on 30.10.2024.
Partial delivery of courses by industry experts	The institution has mandated that every department offers one regular course in collaboration with industry under partial delivery of course by industry persons
Conduct of Gender Audit 2023-24 to evaluate how gender equality is addressed and integrated within the college and to confirm improved gender equity, increased awareness, legal compliance etc.	The gender audit was conducted on 23.06.2023 and the team headed by Smt.M.P.Omkareshwari, Joint Commissioner for Transport.

13. Was the AQAR placed before the statutory body?

Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
IQAC	31/08/2024

14.Was the institutional data submitted to AISHE ?	Yes
• Year	

Year	Date of Submission
2022-23	20/03/2024

15.Multidisciplinary / interdisciplinary

The Government of India announced the National Education Policy – 2020 in July 2020. Covering all levels of education – The policy emphasises multi-disciplinary approach, faculty and institutional autonomy, governance reforms, enhancing access through credit mobility, open and digital learning environment and skill development. To formulate perspective and strategies to be adopted phase-wise implementation of the policy, a committee comprising of senior academicians was constituted at the institution level. The committee had regular meetings wherein needs and targets were framed. Numerous workshops, webinars, seminars relating implementation of NEP 2020 are regularly conducted. One of the key changes is moving towards a more multidisciplinary undergraduate education. Multidisciplinary projects in engineering are vital for addressing complex real-world challenges, fostering creativity, improving efficiency, and enhancing interdisciplinary skills. Open elective courses inculcate interdisciplinary approach among UG and PG students. Provision has been made to carryout project in final year of UG program with a team of two to four members from different departments with mutual consensus between the guides and departments. It is allowed to carry out the project with common guidelines for assessment to be adopted by the departments.

16.Academic bank of credits (ABC):

One of the essential steps of enabling ABC is registration of the Institution on the NAD portal. The office of Controller of Examination (CoE) has completed the registration process on NAD. Consequently students (NEP 2021-22 batch onwards) have registered for Academic Bank of Credits (ABC IDs). The list of student ABC IDs are shared with the affiliated University for further processing. The office of COE office is working towards uploading of results to

the NAD portal.

17.Skill development:

Skill Labs on cutting edge technologies have been setup to provide platform for students to apply theoretical concepts, develop technical proficiency, foster creativity, and gain practical experience, making them better prepared for successful careers in engineering. About eighty percent of the courses in each program is focused towards employability, entrepreneurship and imparting technical skills. BMSCE also promotes skill development sessions and programmes as a capacity building measure. Training in various disciplines of skill development includes soft skills, life skills, ICT skills, language skills, competitive training, and entrepreneurship. Skill development programmes / activities are conducted across departments for the benefit of students and research scholars. With an aim to provide practical exposure to the concepts and latest technology, value added courses are offered.

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

The course on Universal human values is taught in first year as a part of the curriculum. This course highlights the value system for every student for a better quality of life.

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

Since 2013, institute is on the forefront of practicing Outcome Based Education (OBE). This was one of the requirements to get in NBA accreditation of Tier-1 Institute. The curriculum adheres to OBE principles while implementing course content, instructional methods and assessment strategies. Holistic education, experiential learning, digital integration and multidisciplinary approach as envisaged by NEP 2020 is adopted. Course outcomes are defined for every course. Qualitative Teaching Learning process is practiced to meet the course outcomes. Continuous improvement in every aspect of the Teaching Learning Process is the key aspect of OBE. Regular academic audits are conducted to maintain quality standards in TLP.

20.Distance education/online education:

High-quality ODL and online courses are beneficial to the students and provide opportunity for life-long learning. Efforts towards offering such courses in collaboration with the industry are being initiated by the institution. The state-of-the-art e-Studio has been established to create e-content.

Extended Profile

1.Programme	
1.1	31
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	6520
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	1928
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	14913
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1	930
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2	433
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	433
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	920
4.2 Total number of Classrooms and Seminar halls	166
4.3 Total number of computers on campus for academic purposes	4100
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	5683.09
Part B	
CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
The curriculum is designed to equip students with domain knowledge, skills, and the right attitude. Key factors in its design include adherence to the AICTE model curriculum, VTU's curricular structure, professional body criteria, industry input, alumni feedback, competitive exam syllabi, and technological advancements. It also considers global educational trends and the latest developments in respective domains. The curriculum is aligned with local, national, and global developmental needs. Courses address societal challenges, and project work focuses on industry-defined problems. Emerging fields	

such as IoT, Data Science, AI, Cyber Security, and Machine Learning are introduced to meet national and global demands. In addition, courses on managerial, entrepreneurial skills, and environmental sustainability are included. The mandatory course on Python enhances employability, while non-credit courses like Yoga and NSS foster overall student development and societal engagement.

The curriculum is designed to address Program Outcomes (POs) and Program Specific Outcomes (PSOs) through well-defined Course Outcomes (COs) that align with POs and PSOs. Mapping is ensured for comprehensive coverage of all POs. The curriculum design process involves inputs from the Department Advisory Board (DAB), scrutiny by the Board of Studies (BOS), and approval by the Academic Council. The institution's academic autonomy allows for regular curriculum updates based on stakeholder feedback and emerging trends

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

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

18

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

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

930

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

1.2 - Academic Flexibility

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

154

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

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

31

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

The curriculum across various programs includes cross-cutting issues such as Professional Ethics, Gender, Human Values, and Environmental

Sustainability, which are integral to student development. Several mandatory courses address these themes, promoting ethical conduct, gender equality, and societal awareness. For instance, courses like Biotechnology for Society, Bioethics, and IPR in Biotechnology, Law for Engineers in Civil Engineering, and Cyber Law for Engineers in Information Science Engineering emphasize professional ethics. Additionally, programs like Business Government and Society (MBA), Cyber Regulations and Professional Ethics (MCA), and Universal Human Values (common for all programs) help students develop a strong ethical foundation.

To address environmental and sustainability issues, the curriculum includes dedicated courses across disciplines. Undergraduate courses such as Ecology & Environmental Management (Biotechnology), Environmental Studies & Pollution Control (Chemical Engineering), and Green Computing (Computer Science and Information Science Engineering) promote environmental awareness. Engineering programs offer specialized courses like Sustainable Construction (Civil Engineering), Renewable Energy and Sustainability (Mechanical Engineering), and Sustainable Practices in Electrical Engineering.

At the postgraduate level, courses such as Bioenergy and Biological Waste Treatment (Chemical Engineering) and Atmospheric Environmental Pollution and Control (Civil Engineering) further emphasize environmental sustainability. These courses ensure students are well-prepared to address global sustainability challenges while advancing their respective fields.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

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

9

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above**248**

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects**4005**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	www.bmsce.ac.in/assets/files/IQAC/NAAC%20CYCLE-3/docs/Structured%20Feedback%20on%20Curriculum%20BMSCE.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

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

File Description	Documents
Provide URL for stakeholders' feedback report	www.bmsce.ac.in/assets/files/IQAC/NAAC%20CYCLE-3/docs/Structured%20Feedback%20on%20Curriculum%20BMSCE.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

2448

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

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

633

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

2.2 - Catering to Student Diversity

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

The institution provides a comprehensive support system to foster the academic and personal development of students. The two-week orientation program helps new students understand the course expectations and the institution's culture. Learning levels are assessed through internal tests, semester exams, and lab assessments, while informal evaluations also contribute to understanding students' abilities. Remedial classes and proctor mentoring support slow learners, helping them improve their performance. Special coaching and bridge programs are offered to lateral entry students, and a fast-track semester helps prevent academic delays.

Advanced learners are encouraged to join professional bodies like IEEE and ACM and engage in workshops, seminars, and hands-on training in areas like Robotics, Aerospace, and 3D Printing. The institution promotes innovation through initiatives such as the Innovators Guild Foundation and the Institution Innovation Council, which offer resources for research, incubation, and entrepreneurship. Meritorious students receive scholarships and are encouraged to pursue higher studies or competitive exams through the dedicated Competitive Examination & Higher Studies Cell.

The institution also promotes continuous learning through NPTEL and MOOC courses. Advanced learners are involved in institutional decision-making processes, contributing to the development of new courses and curriculum. Regular academic audits ensure the ongoing improvement of student learning and progression.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2024	6520	433

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

The institution employs a range of student-centric methods to enhance the learning experience, promoting both theoretical knowledge and practical skills. Experiential learning is encouraged through field/industrial visits, capstone projects, and mini-projects, where students apply academic concepts to real-world challenges. The institution also fosters multi-disciplinary collaboration and provides a platform for students to engage in event planning and teamwork through student clubs.

In participative learning, the use of interactive techniques such as group discussions, online polls, case studies, and virtual labs increases student engagement. Guest lectures by industry experts offer real-world insights, while skill-building workshops and value-added courses enhance practical competencies. Peer learning is actively promoted to create a collaborative classroom environment, and students regularly present technical seminars to further enrich their knowledge.

For problem-solving methodologies, the institution focuses on tutorial sessions, computational thinking, flipped classrooms, and hackathons to improve students' problem-solving and decision-making abilities. Competitive programming and the use of engineering tools further support their skill development.

The institution also provides skill labs where students can apply innovative skills, and ICT-enabled teaching tools like e-studios, smart boards, and video conferencing facilities facilitate interactive learning. These diverse methods create a dynamic and well-rounded learning environment, preparing students for both academic success and professional challenges.

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

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

ICT Enabled Teaching:Advancements in technology and changes in educational pedagogy has driven BMS College of Engineering to host the state-of-the-art e-studio with cutting-edge audio-visual facility. Advanced mixing equipment and editing software tailored for e-content development have been augmented. BMSCE faculty regularly produce multimedia and interactive educational videos that enhance students' learning experiences. Other ICT facilities include Smart boards, LCD, Language Lab, seminar hall and auditoriums, digital library, NPTEL Classroom, Digital Library Resources, Video Conferencing and others. BMSCE has 116 class rooms equipped with ubiquitous ICT facility. The studio has high-resolution cameras, professional grade microphones, advanced lighting system and immersive audio-visual effects to enable faculty create engaging educational content. It is now a hub for recording live lectures, hosting virtual events and facilitating remote collaborations. The studio is acoustically designed with a seating capacity for 25 students. Further, the institutions YouTube channel helps in live streaming of important events. Learning Management System (LMS) like Google Classroom, Edmodo, Schoology are being used to share the content, facilitating communication and collaboration.The library has access to over 21883 e-journals and 6904 e-books. The membership to VTU Consortium, provides access to eight online resources covering Engineering, Science and Technology, Management, and related fields.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.bmsce.ac.in/assets/files/IQAC/NAAC%20CYCLE-3/2.3.1/2-Guest%20Lectures-BMSCE.pdf
Upload any additional information	No File Uploaded

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

2.3.3.1 - Number of mentors**371**

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

The Academic Calendar of the institution is prepared by the Dean (Academics) in consultation with the Principal and Vice-Principal (Academics), and is presented to the College Council for approval. It is then circulated to stakeholders and posted on the college website. The calendar outlines key academic activities, such as course registration, internal tests, quizzes, assessments, course withdrawal deadlines, and the last working day of the semester. Each faculty prepares a teaching plan for their courses, which is vetted by the Department Academic Committee (DAC) and included in the course file.

The academic year is divided into three semesters, two regular (Odd and Even) with at least 90 working days each, and one supplementary/fast track semester of 8 weeks. The semester starts with online course registration, followed by a 2-3 day period for students to seek proctor advice and finalize their courses. Within two weeks, students can drop courses without academic penalty.

During the pandemic, the institution adjusted its academic calendar to accommodate remote learning and modified terms. Audits conducted by IQAC and the Dean (Academics) ensure adherence to the academic calendar, ensuring timely scheduling of tests and examinations. Thus, the academic calendar provides a structured framework for academic activities throughout the year.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year**433**

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year**286**

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

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)**16**

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year****10**

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

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

953

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

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

The institution follows the CBCS system for UG and PG programs, with well-defined academic and examination regulations. Examination reforms and digitization ensure transparency and efficiency. Assessment comprises Formative (Continuous Internal Assessment, CIE) and Summative (Semester End Examination, SEE), each contributing 50% weightage. CIE evaluation aligns with Course Outcomes and Program Outcomes as defined by NBA, with evaluation patterns shared with students at the semester's start. CIE question papers undergo departmental audits, while SEE papers are scrutinized by the Board of Examiners (BOE).

Marks entry for CIE is online, with the portal automatically verifying student eligibility for SEE. Admission tickets for eligible students are generated digitally. Digital evaluation for SEE includes answer sheet scanning, evaluation dashboards, analytics, and result management, enhancing accuracy and efficiency. Seating arrangements are communicated via notice boards and SMS before exams, with attendance sheets generated automatically.

Identity masking via barcode mapping ensures fairness. Results are announced on notice boards, the college website, and accessible

through USN login. Students with 'F' grades can review evaluated answer books. Special provisions, such as scribes and extra time, are available for students with special needs. Malpractice cases are addressed by a dedicated committee, with penalties imposed as per regulations.

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

2.6 - Student Performance and Learning Outcomes

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

Course Outcomes (COs) define the competencies students gain from a course, typically ranging from three to six based on credits and contact hours. Designed by faculty, COs address specific Program Outcomes (POs) and Program Specific Outcomes (PSOs), which reflect specialized skills in the field of study. CO-PO-PSO mapping links COs to program objectives through an articulation matrix created collaboratively by faculty, highlighting correlation strengths. This matrix is vital for calculating PO/PSO attainment and evaluating program effectiveness. The quality of mapping depends on the instructor's assessment design, ensuring COs align with learning objectives and program goals.

Publishing the Course outcomes

* All courses have well-defined Course Outcomes (COs) with CO-PO mapping and correlation strength, approved by the Board of Studies (BOS).

* The articulation matrix is included in the syllabus book, and syllabi are uploaded on the College website to promote paperless initiatives.

* Faculty prepare comprehensive course files each semester, including POs, PSOs, COs, and the articulation matrix, along with observations and recommendations from CO analysis.

* In the first class of each course, faculty explain the COs to students. Internal test questions also reference COs, mapped to POs, ensuring alignment with program objectives and learning outcomes.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

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

Course Outcomes (COs) define the competencies students gain from a course, typically ranging from three to six based on credits and contact hours. Designed by faculty, COs address specific Program Outcomes (POs) and Program Specific Outcomes (PSOs), which reflect specialized skills in the field of study. CO-PO-PSO mapping links COs to program objectives through an articulation matrix created collaboratively by faculty, highlighting correlation strengths. This matrix is vital for calculating PO/PSO attainment and evaluating program effectiveness.

Teaching methods and strategies support the achievement of CO, PO and PSO. The course outcomes are accomplished/realized through various modes of assessment/evaluation methods. At the end of every course, CO attainment is measured. Evaluation methods or assessment tools are designed to effectively measure the CO and contribute to the PO that it is mapped to. At the end of the programme, the POs/PSOs attainment are computed using the exit survey and CO attainment value of all the COs that are mapped to respective PO/PSO. Analysis of PO/PSO leads to adjustments of curriculum, instruction, and assessment methods as part of the continuous improvement process.

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

2.6.3 - Pass Percentage of students

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

1529

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	www.bmsce.ac.in/assets/files/aqar/documents/2023-24/2.6.3-link.pdf

2.7 - Student Satisfaction Survey

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

www.bmsce.ac.in/assets/files/IQAC/NAAC_CYCLE-3/docs/Structured_Feedback_on_Curriculum_BMSCE.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The institution has a comprehensive Research and IPR policy, available on its website, which outlines the constitution and functions of the Research Committee, research promotion strategies, and guidelines for Faculty Research Promotion Schemes (FRPS). The policy emphasizes the importance of ethics in research, intellectual property rights, and consultancy.

To foster research, the institution provides robust infrastructural support and a conducive environment, regularly enhancing facilities for R&D activities. Research promotion schemes include grants and seed money for young faculty, annual allowances for membership in professional bodies, financial assistance for presenting papers at conferences, and incentives for publishing in high-quality journals. The institution also offers study leave for pursuing Ph.D. under QIP and financial support for patent filing.

Fifteen departments are recognized as research centers, with over 365 research scholars pursuing Ph.D.s under 243 research supervisors. The institution has produced 270 Ph.D.s and 22 M.Sc. (by research) graduates. Notably, BMSCE was recognized as a lead

innovator by Clarivate Analytics in 2020 and 2021.

Research facilities include specialized centers for Advanced Materials Research, Nano-Materials & Displays, and AI & ML, with cutting-edge equipment like SEM/XRD, FTIR, and an NVIDIA DGX A100 server. Additionally, Propel Labs and advanced skill labs focus on innovation, design, and technology training for students.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://bmsce.ac.in/assets/files/Governance_Documents/BMSCE%20Research%20&%20IPR%20Policy%202023.pdf
Any additional information	No File Uploaded

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

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

60.06

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

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

01

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

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

85.55

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

3.2.2 - Number of teachers having research projects during the year

34

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

199

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	View File

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

14

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://dst.gov.in
Any additional information	View File

3.3 - Innovation Ecosystem

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

BMSCE has established a robust innovation ecosystem through its R&D activities, IP Cell, Propel Labs, Centers of Excellence, and the Institution Innovation Cell (IIC). The institution fosters innovation and entrepreneurship by organizing workshops, seminars, guest lectures, and interactions with accomplished entrepreneurs. It also provides product service training to enhance marketing awareness.

BMSCE supports intellectual property (IP) initiatives by offering financial assistance for patent filing, including consultation with IP attorneys and covering associated government and professional fees. The institution has successfully published 09 patents and 10 patents granted during 2023-24. The process involves submitting an Invention Disclosure Form (IDF) to the R&D office, conducting novelty searches with KSCST, and filing patents in collaboration with an IP attorney firm. Post-grant, the potential for commercial exploitation or technology transfer is explored.

To encourage innovation, BMSCE has developed Propel Labs in various fields, including Robotics, Aerospace, and 3D Printing, alongside

skill laboratories for practical applications. The IIC, certified with a 4-star rating by the Ministry of Education, conducts awareness activities, competitions, and workshops. Additionally, the BIG Foundation provides a platform for product development and commercialization. The college is also home to a 5G Use-Case Lab sanctioned by the Department of Telecommunication, Government of India.

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

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

57

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

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

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**3.4.2.1 - Number of PhD students registered during the year****48**

File Description	Documents
URL to the research page on HEI website	https://bmsce.ac.in/home/About-R-and-D
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**296**

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

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**179**

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year****1660**

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

19

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

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

33.88

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

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

19.20

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

3.6 - Extension Activities

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

The institution inculcates the sense of social responsibility and encourages the students to address community problems. The NSS, NCC, Rotoract, ISR Cell, YRC Unit, Electoral literary Club regularly conducts community service activities. The institution has received numerous awards in recognition of its contribution to the community. IEEE SPS K12 Science for Signal Processing Training the School Teachers and Students was conducted on 30.11.2023. This is aimed to teach and enthuse the school children on latest technological tools and inspire creativity in them through hands on interactive sessions. About 100 high school students and teachers (10 students and 02 faculty from 08 different schools from Bengaluru) participated in the event. Plantation drives in collaboration with Adanya Chetana. BMSCE in collaboration with Adanya Chetana Foundation is regularly conducting Green Sunday Programs. The concept of tree per person initiative is being conducted every Sunday with the enthusiastic participation of the students. BMSCE students are dedicating their time to de-weed, clean, and plant saplings. Additionally, the volunteers committed to watering the newly planted saplings, ensuring their nurturing and sustainable growth. BMSCE has also adopted a Government School at Srinagara, Bengaluru. Apart from regular Civil works and infrastructure augmentation, the students do knowledge sharing sessions.

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

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

07

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

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

139

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

7487

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

188

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

38

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

BMSCE is spread across 11 acres and 30 guntas, with a built-up area of 98,545.07 sq.m. The institution has 137 laboratories supporting UG, PG, and research programs. The campus is equipped with 116 classrooms featuring ICT facilities, and specialized labs funded by industries like Dassault Systems, Mitsubishi Electric, and Keysight Technologies. E-studios for video and audio recording, a Data Centre, and a high-bandwidth networking system (10 GBPS intranet, 2.9 GBPS leased line) ensure seamless connectivity. The library, with a seating capacity for 680 users, houses 156,215 volumes and offers access to international databases, e-journals, and e-books. Additional infrastructure includes Centre of Excellence, incubation labs, sports facilities, yoga center, hostels, and health services. The campus also provides faculty rooms, conference halls, and recreational areas.. Key amenities like parking, fire safety, potable water, and backup power through DG sets and UPS are available, with periodic maintenance ensuring reliability. Centralized research infrastructure viz., propel labs in Robotics,

3D Printing, Aerospace, Automotive lab promote curiosity in students on innovation, design and develop phototypes. Gender sensitive infrastructure and support measures/facilities are in place. The college has implemented alternate sources of energy viz., solar energy, sensor-based energy conservation, use of LED bulbs / Power Efficient Equipment etc

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

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

Sports and cultural contribute to the holistic development of students, complementing their academic pursuits. They promote physical fitness, team spirit, and leadership qualities, which are essential for personal growth and career success. The sports facilities include

Indoor Sports complex: (32 x 38 meters) houses: Basketball, Volleyball, Kabaddi courts, Wrestling, Judo, Taekwondo, Table Tennis, Yoga, Chess, Carom and six Badminton courts. Outdoor (60x40 meters): Kabaddi, Kho-Kho, Handball, Throwball, Ball Badminton & Volleyball courts. A separate Gym for boys & girls in college and Hostels are provided. Special training & Coaching is imparted for College teams from professional trainers. The Sports & Cultural Committees nurture talents in Dance, Music, Fine arts, Literary, Theatre etc. Students have strong representations in cultural and sports committees and help in organization and management of events. BMSCE Secured 3rd, 2nd & 1st positions based on the points secured in VTU Sports and Cultural activities for the year 2018, 2019 and 2022 respectively. Cash Incentives are extended for outstanding achievers in sports and cultural activities. Annual Cultural Fest - UTSAV is rated as one of the best student state level cultural fests. During the year 2023-24 a total of 75 awards were secured in University, State, National and International level events.

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

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

138

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

1973.02

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Libraries play a vital role in the development of any society by enhancing the cause of education and academic research. They cater to the information needs of thousands of peoples.

AUTOMATED SERVICES

The Library resources have been completely Bar Coded and automated using LIBSYS Release 10 for cloud (Web-Based Integrated Library Management Systems) Library Package helps in Transactions, OPAC

(Online Public Access of Catalogues) and also reservation of Books etc., for the users.

- The college has a voluminous computerized Library, which caters to the needs of students, research scholars and faculty.
- It has a seating capacity for 680 users at a time. The Library has a rich collection of 157732 Volumes of books comprising of 48756 titles.
- The digital library of the college provides online access to e-resources on Science, Technology, Engineering and Management subjects for Study and research.
- The library has access to more than 7529 e-journals & 25908 e-books on various branches of Science, Technology, Engineering & Management.
- In addition to 145 National and International printed journals.
- Awareness of Digital Library - NDL, N-List consortium of INFLIBNET, NPTEL Local Chapter.

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

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

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

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

103.35

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

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

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

800

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

4.3 - IT Infrastructure

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

BMSCE's Data Centre supports a robust Campus Wide Networking (CWN) infrastructure, ensuring seamless connectivity across the campus. The CWN is powered by high-end core switches and 100 access switches, connected via a multimode fibre optic backbone, offering 10 Gbps intranet bandwidth and a 2.9 Gbps redundant internet link. As a member of APNIC, the institution has allocated IP addresses and ASNs, enhancing its global presence. The Data Centre hosts critical services such as email, web servers, e-journals, online lectures, application software, and a private cloud for computing needs.

The campus is equipped with wireless connectivity, enabling mobility for students and staff. For the financial year 2023-24, 2.20 crores were allocated to CWN, with 3.14 crores expended. The network infrastructure includes over 4100 computers, 400 printers, and licensed software, supported by high-end servers, firewalls, and advanced network equipment like FortiGate Firewalls and Juniper routers.

BMSCE provides a dynamic learning environment with e-learning solutions integrated into seminar halls, classrooms, and

auditoriums, including a state-of-the-art e-studio for recording and streaming lectures. E-governance policies facilitate transparent, efficient services for students, faculty, and staff. The campus is dedicated to leveraging cutting-edge ICT solutions to enhance educational delivery and operational efficiency.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
6520	4100

File Description	Documents
Upload any additional information	No File Uploaded

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

A. 250 Mbps

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

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

3710.07

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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

BMSCE boasts an extensive infrastructure spread across 11.00 acres and 30 Guntas, with a built-up area of 98,545.07 sq. mts. The campus features modern amenities including labs, classrooms, Data Centre, COE, Incubation Centres, and Propel Labs. It also provides facilities such as a Library, Examination Centre, Hostels, Cafeteria, and Sports and Cultural amenities. Sustainable infrastructure includes Solar Energy, Rain Water Harvesting, and Waste Water Recycling through a 350 KLD Sewage Treatment Plant (STP). an amount of Rs.10.00 Crores have been expended towards maintenanceduring the AY 2023-24

The Building Section oversees maintenance, with sufficient funds allocated for equipment upkeep. The Library utilizes an OPAC system for easy book search, and the campus is powered by a 1850 KVA electricity supply, supported by 2015 KVA DG sets and 725 KVA UPS. Safety is prioritized with fire utility services, regular drills, and CCTV monitoring in hostels.

The campus is equipped with modern communication systems, including 52 external telephone lines and 700 intercom extensions. Maintenance of all systems is handled through Annual Maintenance Contracts

(AMC). The campus's commitment to environmental sustainability is evident in its ISO 14001:2015 certification for Environmental Management Systems, showcasing effective waste management and eco-friendly practices.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

1080

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

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

586

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

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://bmsce.ac.in/assets/files/MonthlyReports/Monthly%20Report%20-%20December%202023.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

2512

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

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

A. All of the above

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

5.2 - Student Progression

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

846

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

90

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

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

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

105

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

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

57

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

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

BMSCE actively engages students in academic, administrative, and campus activities, fostering a participatory environment. Student representatives are included in key decision-making bodies like the Governing Council, Academic Council, and various committees, including IQAC, BoS, and Grievance Redressal Cell. They contribute to curriculum development, policy-making, and institution activities. Students also take part in service-oriented roles through NSS, NCC, Rotaract, and Women's Cell. Several student-run forums and hobby clubs offer platforms for involvement in co-curricular, extra-curricular, and community development activities.

Feedback mechanisms are in place, with students providing input on faculty, HODs, and institutional matters. The institution ensures exposure to current research through expert lectures and seminars. Students also collaborate on projects with industry and academia. The annual inter-collegiate technical symposium "Phase Shift" sees significant student participation, with over 8,000 attendees. Additionally, students are encouraged to form professional chapters like IEEE and ACM.

A faculty advisory system is in place, where faculty mentors guide small groups of students to improve their academic performance. BMSCE also hosts international programs like the Grand Challenge Impact Lab, strengthening global collaborations. Students are key in

organizing cultural, sports events, and managing hostel affairs, contributing significantly to the campus ecosystem.

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

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

39

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

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

The BMSCE Alumni Association (BMSCEAA), established on 07.07.2011, plays a vital role in supporting the institution's activities and connecting over 40,000 alumni worldwide. With more than 29,000 alumni registered, BMSCEAA has formed 20 International and 6 National chapters, creating a strong and engaged network. The association is guided by the Alumni Executive Committee (AEC), which oversees various initiatives and events.

BMSCE alumni actively participate in academic, administrative, and campus activities, including mentoring students, facilitating placements, delivering guest lectures, and contributing to curriculum design. Alumni also engage in the process of institutional growth through their representation in bodies such as the Academic Council, NAAC, and Departmental Advisory Boards.

The association provides financial support to students through Merit-Cum-Means Scholarships and education loans. Over the years, 518 students have benefited from scholarships worth Rs. 72.13 lakhs. Additionally, Rs. 60.61 lakhs have been disbursed as education loans.

BMSCEAA maintains an active online presence through its portal and social media platforms, ensuring alumni remain connected and informed about the association's activities.

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

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

B.M.S. College of Engineering (BMSCE) Bengaluru started in the year 1946 has the unique distinction of being the first private engineering college established in the country.

VISION

Promoting Prosperity of mankind by augmenting human resource capital through quality Technical Education and Training

The administration of the institution is overseen by the Board of Governors (BOG), which approves the strategic plan, goals, and budget. The institution emphasizes decentralization, participative management, and delegation of power at various levels. Responsibilities are distributed among individuals and committees, both statutory and non-statutory, with key stakeholders continuously monitoring academic and administrative activities.

Decentralization measures include rotating faculty members on the BOG and rotating heads of departments and senior functionaries to groom future leaders. Heads of departments are part of both the

Academic and College Councils, where significant academic and administrative decisions are made. Additionally, faculty members, such as Proctors, regularly monitor students' progress, while Mentors provide guidance and support. Senior faculty members actively participate in various academic and administrative committees, ensuring that all stakeholders contribute to decision-making and policy development processes. This approach fosters a collaborative environment for effective governance and institutional growth.

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

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

The institution strongly believes in decentralization, participative management and delegation of power at various levels. The following are some of the major decentralization measures implemented

- Two faculty members (on rotation basis) are included as members of Board of Governors (BOG).
- Appointment of Vice-Principal (Academics), Vice-Principal (Administration), Dean-Academic, Dean-Student Affairs, Dean-First Year (BE), Dean-Innovations, Dean-Placements has helped in creating student centric policies and procedures and effective monitoring through departments/units
- The management has devised the policy of rotation of head of the departments with an aim to induct and groom the next in line to lead the department.
- The Head of the Departments are members of the Academic Council and College Council where major Academic/Administrative decisions are being addressed. As part of the Departmental Academic Committee [DAC], the faculties provide their inputs on all academic related matters.
- The faculty (Proctor) regularly monitor the progress of the assigned students. The Mentors meet the group of allocated students, counsel, guide and motivate them in all academic matters
- Senior faculty members are part of various Academic/Administrative committees. All stakeholders actively involved in the process of decision making and policy framing.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	https://bmsce.ac.in/assets/files/Governance_Documents/BMSCE%20Stratergic%20Plan%202021-2025%207Mar2023.pdf

6.2 - Strategy Development and Deployment

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

The Institutional Strategic plan is critical in providing roadmap to future activities in tandem with mission and vision. The strategic plan (2021-2025) is in vogue. The plan was prepared by adopting participatory approach both at the institutional and department level through focussed group discussions and workshops. The implementation of the plan is executed with the support and involvement of all stake holders. The BOG periodically reviewed the implementation of strategic plan. The extent of compliance is presented to the Board of Governors from time to time. Starting of New Programmes in emerging areas, NBA Accreditation of all Eligible UG & PG Programmes, Re-accreditation by NAAC with Highest Grade, Strengthening of e-governance have been accomplished. New UG programme in computer Science & Business Systems was introduced during the year 2023-24. The UG Programme of Electronics & Communication, M.Tech in Construction Technology, M.Tech in Computer Science, M.Tech in Power Electronics, M.Tech in Transportation, M.Tech in Computer Networking, M.Tech in Digital Communication, M.Tech in Electronics were granted NBA Accreditation during the year 2023-24. The validity of PG programme of Masters in Computer Application was extended by one year.

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

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

The Institutional Strategic Plan for BMSCE, spanning 2020-2025, was developed using a participatory approach involving stakeholders at both institutional and departmental levels through workshops and focused discussions. The implementation of this plan was closely monitored and reviewed by the Board of Governors (BoG), with progress reports presented periodically. Building on the success of the previous plan, the college prepared a new Strategic Plan for 2021-2025.

BMSCE's administration is guided by the BoG, which is responsible for overseeing the institution's operations. The institution's governance structure includes both statutory and non-statutory committees that involve a diverse range of stakeholders, including faculty, staff, alumni, industry representatives, and students. This inclusive approach ensures pragmatic decision-making. The college also follows a Good Governance Document (GDD) to maintain transparency, accountability, and fairness in its operations.

Regarding recruitment, the college adheres to Karnataka State Civil Service Rules and AICTE guidelines. The recruitment process is transparent and merit-based, with advertisements published in leading dailies. A Board of Appointments (BOA), assisted by an external subject expert, oversees the screening, shortlisting, and final interview process, ensuring that the best candidates are selected in line with institutional needs and norms.

File Description	Documents
Paste link to Organogram on the institution webpage	https://bmsce.ac.in/assets/files/MandatoryDisclosure/Mandatory%20Disclosure%20Latest.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

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

Faculty & Staff Centric Policies

BMSCE believes that faculty and staff welfare measures are crucial for creating a positive academic environment. It is paramount in the context of employee motivation, retention, and overall organizational success.

- AICTE Scales of Pay
- Career Advancement Scheme (CAS)
- Faculty, Research Promotion Scheme (FRPS)
- Research Projects and Seed Money
- Study Leave with Full Salary for pursuing PhD under QIP
- Deputation to participate in Workshop / Seminar / Conference in India and Abroad
- Cash Incentive for Publications in Refereed Journals
- Cash Incentive for fetching External Research Grants
- Financial Support for Patent Advise & Filing
- Financial Support for presenting papers in national and International Conference
- Annual Allowance of Rs.15,000/- per faculty for professional requirements (Professional Body Membership Fee, course fee for MOOC)
- B.M.S. Engineering Consultancy Centre (BMSECC) to facilitate consultancy activities
- Medical & Accidental Insurance to employees (Spouse and Children)
- Time Bound Promotions
- Family Welfare Fund (FWF)
- Vehicle Loan
- Terminal Benefits

- **Benefit of VRS to Management Employees**
- **Educational Aid (Rs.15,000/-) to children of Non-Teaching Staff**
- **Maternity Leave**
- **Management Quota Seats for Wards of Employees**
- **Employees Credit Co-operative Society**
- **Festival Advance**

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

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

149

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

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

22

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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

144

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute maintains robust mechanisms for both internal and external audits to ensure financial compliance. The internal audit is an ongoing process, conducted by qualified external auditors and a dedicated team that reviews payments, receipts, and journals on a quarterly basis. This includes a thorough examination of cash books and ledger accounts, ensuring the accuracy and transparency of financial transactions. The internal audit is performed in two sessions: one for the period from April to September (conducted in November/December), and another for October to March (conducted in May/June). The auditors also ensure compliance with statutory payments such as TDS, EPF, and PT.

The external audit is conducted by qualified chartered accountants, who audit the financial statements, including income and expenditure, balance sheet, and notes to accounts. This audit is carried out after the end of each fiscal year, and the final accounts are completed by September, with the audited statement signed by the Principal, Chairman, and Chartered Accountant. All accounting processes are computerized and based on the accrual system, using Tally software. The college also publishes its audited financial statements on its website for public transparency.

The financial operations are overseen by a full-fledged Accounts department, led by the Finance Officer, and all financial statements adhere to Accepted Accounting Principles

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)**0**

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

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

Mobilization of funds in the institute is through several ways. The primary source is tuition fees, salary grants received from Government of Karnataka, financial assistance obtained through external research projects, consultancy and other sources. The institution is also part of Global Initiative Academic Network (GIAN), approved by Government of India. Other source of income include bank interest, salary grants from government and other miscellaneous income.

The institution has implemented various research promotion/external fund mobilization measures to encourage the faculty and research scholars which has resulted in enhanced research and consultancy outcomes. Some of the measures are enumerated hereunder:

- 1. 5% cash incentive from management funds for faculty fetching external grants.**
- 2. To support the consultancy activities of the faculty members, the management has in place, a policy of resource sharing for Type I consultancy projects and Type II consultancy projects (involving lab, facility, etc).**

Financial control is exercised through various bodies/committees. The finance committee monitors the apt utilization of funds for various recurring and non-recurring

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

6.5 - Internal Quality Assurance System

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

The Internal Quality Assurance Cell (IQAC) continues to ensure quality culture in all academic and administrative endeavours.

Some of the major functions include NBA Accreditation, NAAC Accreditation, university affiliation, NIRF ranking, AISHE, formulating Strategic plan, arranging stakeholders' feedback and analysis, involving in processes towards deriving policies for quality culture at the institution level in academics, research and administration, organising inter and intra institutional workshops, seminars on quality related themes, conducting academic and administrative audits (both internal and external), submission of Annual Quality Assurance Report (AQAR) and others.

Two Practices Institutionalized by IQAC:

NAAC Cycle III Accreditation: BMSCE has been awarded the NAAC accreditation with a CGPA of 3.56 on a four-point scale at the highest grade of A++ Grade in Cycle III Accreditation. With the institution achieving the highest grade in the third consecutive cycle of NAAC Accreditation, the validity of Cycle III Accreditation is for a period of seven years i.e. from 30.10.2024 to 29.10.2031

External Academic Audit: BMSCE attained the ISO14001: 2015 certification for Environmental Management System on 16.05.2024. It confirms that the institution follows necessary procedures and complies with regulatory environmental management practices.

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

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

The IQAC reviews the effectiveness of the teaching learning process and learning outcomes through student feedback, course-end survey, academic audit (both internal and external), observation of the external assessing agencies and others.

The Internal Academic audit is conducted once in a year for first year engineering, higher semesters and PG programmes. The academic audit is coordinated by office of IQAC and Dean-Academic.

Review of academic systems, Teaching, Learning and Evaluation practices, adequacy of infrastructure, remedial measures in vogue for slow learners, implementation of OBE are some of the parameters reviewed as part of the audit process. The audit comprises of course outcomes defined for each course, the CO-PO mapping, Assessment tools adopted, assessment analysis, CO attainment and best practices followed.

The audit is conducted at three levels: faculty, department and institute level.

The IQAC facilitates the Annual External Audit. The audit team comprises of three external members nominated by the University. During the year 2023-24, The external audit was conducted on 26.02.2024. The audit report is sent to University/UGC/Department of higher education and also put on website of the College. The college prepares the response based on the corrective measures implemented upon the observations made by the auditor.

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

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://bmsce.ac.in/home/BMSCE-Monthly-Activities
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Mobilization of funds in the institute is through several ways. The primary source is tuition fees, salary grants received from Government of Karnataka, financial assistance obtained through external research projects, consultancy and other sources. The institution is also part of Global Initiative Academic Network (GIAN), approved by Government of India. Other source of income include bank interest, salary grants from government and other miscellaneous income.

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Financial control is exercised through various bodies/committees. The finance committee monitors the apt utilization of funds for various recurring and non-recurring

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

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

The institution satisfies the applicable compliance requirementstowards environmental, eco conscious practices and waste management measures. This is evidenced through the institution attaining the prestigious ISO 14001:2015 certification for its Environmental Management System through qualified external ISO 14001 auditor.

The degradable and non-degradable waste is managed in following ways.

Solid Waste

Management

The dry solid waste is collected and stored within the campus and disposed through PCB/ BBMP authorised agencies.

Liquid Waste Management

BMSCE Campus has a network of underground sewer lines and the sewage after treatment, it is reused for gardening purpose within the campus.

Biomedical waste management

Bio medical waste (wherever generated) is collected in designated bins and disposed through authorized agency as per SPCB rules.

e-Waste

E-Waste is being disposed through outsourcing. BMSCE has entered into MOU with authorised agency M/S. Elexon Private Limited

Waste recycling system:

Waste water is recycled through Sewage Treatment Plant process,

Hazardous chemicals (HW) and radioactive Waste

The HW is stored in separate containers. Stored in a cool, shady place, away from sources of ignition and fire. There is a legal agreement for the safe disposal of hazardous waste material between the College and the SPCB authorized hazardous waste disposal units.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5.Beyond the campus environmental promotional activities	A. Any 4 or all of the above										
<table> <tr> <th data-bbox="84 696 552 757">File Description</th><th data-bbox="552 696 1482 757">Documents</th></tr> <tr> <td data-bbox="84 757 552 898">Reports on environment and energy audits submitted by the auditing agency</td><td data-bbox="552 757 1482 898">View File</td></tr> <tr> <td data-bbox="84 898 552 1003">Certification by the auditing agency</td><td data-bbox="552 898 1482 1003">View File</td></tr> <tr> <td data-bbox="84 1003 552 1108">Certificates of the awards received</td><td data-bbox="552 1003 1482 1108">View File</td></tr> <tr> <td data-bbox="84 1108 552 1173">Any other relevant information</td><td data-bbox="552 1108 1482 1173">No File Uploaded</td></tr> </table>	File Description	Documents	Reports on environment and energy audits submitted by the auditing agency	View File	Certification by the auditing agency	View File	Certificates of the awards received	View File	Any other relevant information	No File Uploaded	A. Any 4 or all of the above
File Description	Documents										
Reports on environment and energy audits submitted by the auditing agency	View File										
Certification by the auditing agency	View File										
Certificates of the awards received	View File										
Any other relevant information	No File Uploaded										
7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.											

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

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

BMSCE fosters an inclusive and harmonious environment, embracing cultural, regional, linguistic, communal, socio-economic, and other diversities. The college actively hosts events that promote cultural, ethical, religious, and spiritual values, ensuring a welcoming atmosphere for all students and staff. BMSCE celebrates diversity in its campus culture. Freshers Day, Ethnic Day, and national festivals such as Teacher's Day and birth anniversaries of national leaders, unite the community in promoting values of unity, nationalism, and oneness.

The college's flagship event, UTSAV, is one of the state's best techno-cultural festivals, offering students a platform to showcase their talents. Additionally, BMSCE ensures accessibility for individuals with disabilities by providing wheelchair ramps, elevators, and assistive technologies, supporting inclusivity for all. Various hobby and activity clubs encourage students to pursue interests and enhance social connections. The institution also emphasizes social responsibility through the NSS, NCC, Rotaract, and cultural committees, which engage students and faculty in community initiatives. Annual events such as the Staff Sports Day, International Yoga Day, and mentoring programs further nurture well-being, collaboration, and academic growth among students, fostering a sense of community and shared purpose.

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

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

BMSCE focuses on the holistic development of students, ensuring a well-rounded educational experience beyond the academic curriculum. The college emphasizes participation in co-curricular and extra-curricular activities through various platforms like NSS, NCC, Rotaract, and student clubs. These activities aim to sensitize students to their constitutional rights, duties, and responsibilities, with events such as Independence Day, Republic Day, National Unity Day, and International Yoga Day promoting civic engagement. Additionally, campaigns like Swachh Bharat and Anti-Corruption Day encourage social awareness and responsibility.

The college also integrates constitutional education into the curriculum. The course on the Constitution of India and Professional Ethics, offered in the first year to all engineering students, incorporates case studies and discussions on constitutional law, governance, and citizen rights. Associated activities like debates, essay writing, and preamble reading on Constitution Day further educate students about their constitutional duties.

Through these comprehensive strategies, BMSCE ensures that students are not only academically proficient but also equipped with the knowledge and values necessary to be responsible, informed citizens, fostering a sense of civic duty and ethical responsibility among them.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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

A. All of the above

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

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

BMSCE's Data Centre supports a robust Campus Wide Networking (CWN) infrastructure, ensuring seamless connectivity across the campus. The CWN is powered by high-end core switches and 100 access switches, connected via a multimode fibre optic backbone, offering 10 Gbps intranet bandwidth and a 2.9 Gbps redundant internet link. As a member of APNIC, the institution has allocated IP addresses and ASNs, enhancing its global presence. The Data Centre hosts critical services such as email, web servers, e-journals, online lectures, application software, and a private cloud for computing needs. The campus is equipped with wireless connectivity, enabling mobility for students and staff. For the financial year 2023-24, 2.20 crores were allocated to CWN, with 3.14 crores expended. The network infrastructure includes over 4100 computers, 400 printers, and licensed software, supported by high-end servers, firewalls, and advanced network equipment like FortiGate Firewalls and Juniper routers. BMSCE provides a dynamic learning environment with e-learning solutions integrated into seminar halls, classrooms, and auditoriums, including a state-of-the-art e-studio for recording and streaming lectures. E-governance policies facilitate transparent, efficient services for students, faculty, and staff. The campus is dedicated to leveraging cutting-edge ICT solutions to enhance educational delivery and operational efficiency.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

1. Title of the Practice Study Abroad Programme: The Grand Challenge Impact Lab (GCIL), India - A Collaboration Program with University of Washington, Seattle and B.M.S. college of Engineering, Bengaluru

2. Objectives of the Practice The GCIL - a 15-credit course was offered to Washington University students to address global challenges. The visit date from 03.01.2024 to 31.03.2024. For the year 2025, the students are visiting the institution from 03.01.2025 to 15.03.2025

3. The Context The Grand Challenge Impact Lab (GCIL) offers cross-cultural exposure, addressing global challenges. BMSCE provides accommodation, support, and organizes travel for students selected by the University of Washington for the program

4. The Practice The UW-GCIL program, a collaboration between the University of Washington and BMSCE, engaged 20 students in addressing global challenges like food security and clean energy. Over 10 weeks, students developed solutions through interdisciplinary teamwork, mentorship, and real-world projects, culminating in a public evaluation of their work on March 7, 2024.

5. Evidence of Success

On March 7, 2023, students presented their GCIL project solutions to NGO representatives from BIOME, Parikrma, India Rising Trust, and Hasiru Dala. The NGOs appreciated the efforts and committed to reviewing and advancing the initiatives within their respective domains.

6. Problems Encountered and Resources Required

Identifying global challenges, selecting students, preparing travel documents, and finding suitable NGOs were key challenges. With strong management support, the institution successfully completed the program, advancing solutions to global issues.

File Description	Documents
Best practices in the Institutional website	https://bmsce.ac.in/assets/files/aqar/documents/2023-24/BEST%20PRACTICE-BMSCE.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

BMSCE is firmly committed to the principle's continuous improvement, evidence-based approach with focus on meeting the needs and expectations of learners. Threading the vision of its founders, BMSCE is committed to augment human resource capital by producing industry ready graduates. Curriculum alignment with industrial needs and numerous industry sponsorship and collaborative activities have ensured that the graduates are industry ready.

BMSCE continues to bridge the gap between academia and industry by fostering strong collaborations aimed at enhancing students' industry readiness. The regularly organise workshops, conferences, and symposia. Industry representatives actively contribute to curriculum development, ensuring it aligns with current industry needs.

The institution hosts the annual Phase Shift symposium, which serves as a platform for showcasing technological advancements through seminars, workshops, and competitions, engaging both students and industry professionals. Additionally, BMSCE has established 64 industry partnerships through Memorandums of Understanding (MOUs), enabling the creation of industry-supported laboratories, internships, research, and project work. The collaboration spans various industries like Dassault Systems, Mitsubishi Electric, and NASSCOM, providing hands-on experience for students.

The annual Sahayoga Industry Connect Meet brings together industry leaders to discuss emerging trends and expectations, gathering valuable feedback on curriculum and training needs.

File Description	Documents
Appropriate link in the institutional website	https://bmsce.ac.in/assets/files/aqar/documents/2023-24/7.3.1distinctiveness.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

For the year 2024-25, the institution proposes to further strengthen the industry partnership – sign additional MOUs with reputed industries. The Institution plans to oorganize more industry guest lectures, workshops, and seminars to keep students and faculty updated on real-world trends.The institution also proposes to increaseinternational collaborations with focus on fostering student exchanges, creating a framework for collaborative research and hostmore number of international collaborative events.Organize workshops and training for faculty on the latest teaching methods, research trends, and technologies.Ensure overall performance in keyindicators like student outcomes, faculty qualifications, and research output.Enhance community engagement through NSS / Rototact / NCC and CSR Projects.Encourage more students to participate in intercollegiate sports and cultural events.