YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON
• Name of the Head of the institution	Dr S.B.Somani
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	917020676616
• Mobile no	9422182216
• Registered e-mail	principal@ssgmce.ac.in
• Alternate e-mail	F_3121013@ssgmce.ac.in
• Address	SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING Khamgaon Road, SHEGAON
• City/Town	Shegaon
• State/UT	Maharashtra
• Pin Code	444203
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**	
• Name of the Affiliating University	**Sant Gadge Baba Amravati University, Amravati, Maharashtra**	
• Name of the IQAC Coordinator	**Dr Mrs A.U.Jawadekar**	
• Phone No.	**917972249173**	
• Alternate phone No.	**9766824978**	
• Mobile	**9766824978**	
• IQAC e-mail address	**iqac@ssgmce.ac.in**	
• Alternate Email address	**F_3121039@ssgmce.ac.in**	

3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.ssgmce.ac.in/uploads/AQAR/AQAR_2019-20-submitted-NAAC_portal-23sep2023.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.ssgmce.ac.in/uploads/pdf/Academic%20Calendar%20(B.E.)%202020-21%20(1)[409].pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B+**	**78.25**	**2003**	**21/03/2003**	**21/03/2008**
Cycle 2	**B**	**2.81**	**2010**	**28/03/2010**	**28/03/2015**

6.Date of Establishment of IQAC	**10/06/2003**

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr S P Trikal Mechanical Engineering	AQIS Modernization of Internal Combustion Engine Lab and Automobile Lab	AICTE New Delhi	2020 -2022(2 years)	Rs1489412
Dr. P. R. Wankhede, Electronics & Telecommunication . Engineering	ATAL-FDP IoT for Agriculture Applications	AICTE New Delhi	2020 -2021(1year)	Rs 93000
Dr. S. P. Trikal, Mechanical Engineering Dept.	AICTE-ISTE Advanced Materials and Manufacturing for Industry 4.0	AICTE, New Delhi	2020 -2021(1year)	Rs 93000
Dr. L. B. Deshmukh, Department of Business Administration & Research	AICTE-Conference "National Conference on Innovation Management"	AICTE, New Delhi	2020 -2021(1year)	Rs174300/-

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**	
• Upload latest notification of formation of IQAC	[View File](#)	
9.No. of IQAC meetings held during the year	**2**	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been	**Yes**	

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

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

Organization of Two AICTE Sponsored STTPs (i) STTP on "Software Utility for Teaching and Research in Electrical Engineering," (ii) "Machine Learning and its Applications in Data Analytics."

Revisiting the attainment of Program Outcomes (POs) with Course Outcomes (COs)

Enhancing alumni contributions: Donated 73 books to enrich institute's educational resources. Facilitated 5 placements for students, Extended apprenticeship opportunities to 25 students Made a monetary contribution of Rs 12 lakhs

Enhancement of ICT-based teaching and learning

Organization of Faculty Development Program (FDP) titled 'Scholar Warrior Program' by Retired Major General Neeraj Bali, CEO of Leadscape Advisors.

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

Plan of Action	Achievements/Outcomes
To enhance the usage of ICT Tools for teaching learnning	98 Faculty members used ICT tolls for Teachig learning
Improving Academic Achievement of students	04 MBA students and 99 final-year engineering students from Shri Sant Gajanan Maharaj Engineering College featured in the SGBA University Merit List for the Summer Examination 2021. Mithilesh Joshi an Electrical Engineering student received 5 Gold medals for his outstanding performance
Enhancing Placements	Students Placement record of the institute: 370 (88%) Head Count -264
Conduction of FDPs/STTP/professional Development Program:	24 Professional Development Programs were Organized
Participation of Faculty in STTP/FDP	60 faculty members attended FDP and STTP in their thrust areas
Sabbatical Training for faculty	03 Faculty Members Mr V.S.Karale , Dr P.M.Kuchar and Dr A.S.Tale completed six months training at FAB Lab Pabal
To enhance participation in SWAYAM/NPTEL/MOOCs certification programs	67 students successfully completed the courses
Organization of various Student development activities under Professional Societies	50 student development activities are conducted under various professional societies.
Faculty Recognition & Achievements	Dr. P. R. Wankhede from the Electronics and Telecommunication Engineering Department received a grant of Rs. 93000 from the AICTE Training and Learning (ATAL) Academy for conducting FDP on Internet of Things :Product Design , Development and

	implementation Dr S.P.Trikal, Head of the Mechanical Engineering Department received a grant of Rs. 14,85000 , for Modernization of Internal Combustion Engine Lab from AICTE Under MODROB Scheme O5 faculty Members completed their PhDs - Dr S.S.Jadhao and Dr .R.S.Pote from Elecrrical Department and Dr P.M.Kuchar, Dr S.M.Mishra amd Dr M.A.Dande from MBA department received PhD Degree Dr. S. R. Paraskar, Head of the Electrical Engineering Department, received a grant of Rs. 285,000/- for organizing an STTP on 'Software Utility for Teaching and Research in Electrical Engineering' under the AQIS scheme by AICTE, New Delhi.
Student Achievements	SSGMCE's Annual Magazine
Number of students completing Field work/project work/Internships	Number of students completing internship and field projects in industries is 444
Total Grants from Government and non-governmental agencies for research projects / endowments	A total grant received by the institution under various schemes is 24.32 lakhs
Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship	10 programs were conducted on Research Methodology, Intellectual Property Rights (IPR), and entrepreneurship
Number of research papers in the Journals notified on UGC website	35 publications by the faculty members in reputable journals
Number of extension and outreach programs conducted	During the COVID-19 pandemic period, the NSS Unit successfully conducted 07 extension and outreach programs
13.Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	12/08/2023

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2022	17/02/2022

15. Multidisciplinary / interdisciplinary

In view of NEP 2020, SSGMCE has initiated multidisciplinary/interdisciplinary efforts. The institute is committed to offering comprehensive education to its students. The Institute is affiliated with Sant Gadge Baba Amravati University and follows a credit-based system. In the curriculum, courses like power supply systems, disaster management, e-commerce, fiber optics and communication, entrepreneurship and project management, environmental studies, and a course on the Indian Constitution have been incorporated. Multidisciplinary projects are encouraged, promoting collaboration between students from different branches of engineering. This fosters idea exchange, enhances the learning process, and simulates real-world scenarios where diverse teams collaborate. Regular workshops are organized, bringing together faculty members from various departments. These sessions encourage the exploration of new teaching methodologies and the identification of opportunities for interdisciplinary collaboration. Distinguished speakers from diverse fields are invited for guest lectures. These sessions introduce students to various perspectives and insights into how different disciplines intersect and contribute to society. The college actively guides students on career paths involving multidisciplinary expertise, providing advice on advanced studies, research, and emerging field careers. Extension lectures are organized on topics like gender sensitization and women's safety. The institute is strategizing effective methods to implement multidisciplinary/interdisciplinary education. This endeavor aims to empower students with essential skills required in the 21st century.

16. Academic bank of credits (ABC):

The implementation of NEP 2020 introduces the Academic Bank of Credits (ABC) to enable flexible entry and exit points within

academic programs. This innovative approach permits students to earn and save credits through national initiatives like Swayam and NPTEL. This leads to credit transfer and accumulation, which in turn supports students in successfully completing their educational journey. This initiative is designed to assist students in program completion across diverse courses, including distance learning. Shri Sant Gajanan Maharaj College of Engineering Shegaon is affiliated with SGBAU University and follows a university curriculum structured around a choice-based credit system. The institution is actively preparing for informative sessions regarding NEP 2020, with a special focus on enlightening stakeholders about the Academic Bank of Credits

17.Skill development:

The institute has initiated several skill development initiatives to enhance students' capabilities. These efforts encompass diverse domains such as internships, industry-sponsored projects, industrial training, certification courses, and NSS extension activities. The NSS unit and NCC unit collaborate to nurture social responsibility and life skills. The annual "Social Gathering" provides a platform for students to showcase their singing, dancing, and acting talents.

In terms of academics the institute organizes a series of skill-focused workshops in collaboration with industry experts. These workshops provide students with hands-on experience, imparting practical skills that align with industry requirements specialized technical training programs are introduced in emerging domains such as data science, artificial intelligence, and cyber security. These programs aim to bridge the gap between classroom learning and industry demands. The institution offers a range of certification courses that enhance students' proficiency in areas like project management, programming languages, and design software. These courses contribute to making students job-ready. Collaborations with industry partners have led to increased internship opportunities for students. These internships provide a real-world exposure that complements academic learning. Recognizing the importance of communication, teamwork, and leadership skills, the institute offers soft skills training modules. These workshops enhance students' overall employability. Mock interview sessions and resume-building workshops are organized to prepare students for the job selection process. This practice helps students present themselves effectively to potential employers. Professional bodies, student chapters, and departmental associations organize workshops led by professionals from various sectors. These workshops aim to set skill standards and expose students to a variety of topics.

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

The institute is wholeheartedly dedicated to effectively integrating the Indian knowledge system. Institutional core values of trustworthiness, holistic development, accountability, creativity, and innovation stand as guiding principles for promoting this integration. As part of our cultural celebrations, the institute enthusiastically observes Ganesh Utsav, Gajanan Maharaj Pragat Din, Rishipanchami, and Ram Navmi. The daily routine at the institute starts with a prayer followed by a meditation session, setting a positive tone for the day. To nurture artistic pursuits, institutions have a dedicated music centre where students are taught Indian classical music by a skilled instructor. Recognizing the diverse linguistic backgrounds of our students, the faculty employs a blend of English, Hindi, and Marathi languages in teaching, ensuring effective communication and understanding. Embracing the linguistic diversity of our community, the institute annually publishes the "Tatwadarshi" magazine, featuring sections in Marathi, Hindi, and English. Both staff members and students are encouraged to contribute articles, short stories, poems, and interviews in Marathi and Hindi, in addition to English

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

A paramount focus within SSGMCE lies on Outcome-Based Education (OBE). This educational approach centres around equipping students with practical skills, knowledge, and competencies that align with real-world demands. By aligning our curriculum, teaching methodologies, and assessments with specific learning outcomes, we ensure that our graduates are well-prepared to excel in their chosen fields and contribute effectively to society. With a dedicated emphasis on OBE, focus shifts from mere content delivery to the measurable outcomes achieved by our students. This involves clearly defining the learning objectives for each course, mapping them to industry requirements, and designing instructional strategies that foster active learning, critical thinking, and problem-solving skills.

SSGMCE adheres to a structured framework of Program Outcomes (PO), Program Specific Outcomes (PSO), and Program Education Objectives (PEO) for every program offered. These benchmarks are effectively met through a holistic teaching-learning process complemented by comprehensive supplementary programs hosted by the institute. Each course has well-defined course outcomes (CO), aligned with POs and PSOs. The assessment tools are crafted to address the requirements of POs, ensuring a thorough evaluation of students' progress. To

achieve POs, PSOs activities and programs are organized within the institute. At the end of the semester, an analysis of CO, PO, and PSO attainment is done by each department.

20.Distance education/online education:

The institute consistently adheres to the guidelines of our affiliating university, SGBAU Typically, all lectures and practical sessions follow an offline (physical) mode in accordance with the curriculum. However, the institute provides distance learning options for students who are engaged in internships or field projects for either a semester or an entire year. Learning materials, resources, and interactions are facilitated through a range of technological tools, including online platforms, video conferencing, emails, discussion forums, and multimedia presentations. This approach provides flexibility for learners who have work commitments that make it challenging for them to attend classes in person.The adoption of online mode in line with SGBAU directives became necessary due to the onset of the COVID-19 pandemic during the academic year 2020-21. Throughout this period, faculty members adeptly conducted lectures and practical sessions using online platforms like Microsoft Teams, Google Meet, and Zoom. Course syllabi and study materials such as notes, PowerPoint presentations, and question banks were uploaded onto Microsoft Teams by faculty members. Internal assessments were conducted through MCQ-based online assignments, quizzes, and unit tests. For end-semester examinations, SGBAU's guidelines were followed, resulting in successful online conduct. Practical sessions were also facilitated through online means. Faculty members created videos, which were then shared on YouTube, and students were provided with the corresponding links.

Extended Profile

1.Programme

1.1   **218**

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

File Description	Documents
Data Template	[View File](#)

2.Student

2.1   **529**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2   **213**

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

File Description	Documents
Data Template	View File

2.3   **534**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1   **102**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2   **95**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1	**218**
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	**529**
Number of students during the year	

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Institutional Data in Prescribed Format	View File

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Data Template	View File

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Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	**102**
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	95

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	32
4.2 Total expenditure excluding salary during the year (INR in lakhs)	410.39
4.3 Total number of computers on campus for academic purposes	407

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The institute is affiliated with Sant Gadge Baba Amravati University, Amravati. The Board of Studies (BOS) for Engineering and Management designs and develops the curriculum for the programs according to guidelines from AICTE/UGC. The institute ensures the effective delivery of the curriculum through transparent and systematic mechanisms.

Institute adheres to the university's academic calendar and rigorously follows it. Department Heads conduct meetings to allocate workloads, assign subjects, and plan departmental activities. The Dean Academics reviews the progress of syllabus completion after each class test. The Principal oversees the curriculum's effective execution through meetings with the Heads of Departments. A mentor is assigned to every group of 20 - 25 students. Mentor regularly takes feedback from students and counsels them for betterment.

Institution has appropriate learning resources to support curriculum delivery. This includes textbooks, reference materials, digital resources, laboratory equipment, and technological tools

Due to COVID-19 pandemic situation, lectures are conducted online using the Microsoft team platform. All the lectures are recorded and made available to students for better understanding of the course. Online courses and webinars are organized by the institution in collaboration with industries for effective curriculum delivery. Academic Monitoring Committee is actively involved in ensuring effective curriculum delivery.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**
Link for Additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/1.1.1.pdf

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

As the institute is affiliated with SGBAU , the institute's calendar is in line with the university's calendar . The preparation of the academic calendar usually starts several months before the beginning of the academic year. Key stakeholders, such as Principal, Dean Academics, Dean Exams, all Heads of the department, IQAC team and relevant committees, come together to discuss and outline the important dates and events for the upcoming year.

The key dates and events that need to be included in the academic calendar are identified. These include student registration, class tests, project progress monitoring holidays, technical events, guest lectures, parent meet, alumni meet, co-curricular and extra-curricular activities, and other significant academic or administrative events. Once the academic calendar is approved, it is published and communicated to all stakeholders. This is done through the institution's website and official communication channels like email.. Faculty members and the administrative office plan their activities and organise examinations and related matters according to the designated dates. Faculty members prepare lecture plans for their subjects according to the academic calendar.

The Microsoft Teams platform is utilized to conduct online examinations (both unit tests and university exams), mitigating malpractices during the COVID-19 pandemic.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**
Link for Additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/1.1.2.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**B. Any 3 of the above**

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

1.2 - Academic Flexibility

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

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

06

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

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

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

16

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
List of Add on /Certificate programs (Data Template)	View File

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

540

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

1.3 - Curriculum Enrichment

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

Professional Ethics course is integrated into the curriculum. Industry experts, and professionals are invited to deliver guest lectures and workshops on Professional Ethics, sharing experiences related to ethical challenges in corporate fields. Students are made aware of codes of conduct set by professional engineering bodies like IEEE, IE, ISTE, ASME, and ACM. Students are encouraged

to undergo internships, projects, that expose them to real-world ethical scenarios

Human value:

The institute organizes events that showcase cultural diversity and address human values through the arts, music, drama, and literature.

Codes of conduct that align with human values and ethical standards expected in the college community are shared with all stakeholders.

The NSS unit organizes a variety of activities to inculcate social responsibility and life skills.

Gender:

Workshops and seminars on gender sensitization are organized.

Anti-harassment policies and mechanisms to report incidents are clearly communicated to students.

International Women's Day is celebrated at the institute to raise awareness about gender issues and promote gender equality.

Students are encouraged to create art, videos, and media content that promotes gender equality.

Environment and Sustainability

The curriculum includes courses on environmental and project management

Eco-friendly practices, such as waste reduction, energy conservation, water management, and green infrastructure, are followed by the institute

Green spaces and gardens are established to promote biodiversity and sustainable landscaping.

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

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

06

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

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

444

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution	A. All of the above

from the following stakeholders Students Teachers Employers Alumni	

File Description	Documents
URL for stakeholder feedback report	https://www.ssgmce.ac.in/uploads/AQAR/Fb_report-final_website_20-9-23-1.4.1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	**No File Uploaded**
Any additional information	**No File Uploaded**

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.ssgmce.ac.in/uploads/AQAR/Fb_report-final_website_20-9-23-1.4.1.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

467

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

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

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

225

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

2.2 - Catering to Student Diversity

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

The department assigns mentors to student groups, responsible for monitoring their academic progress, attendance, and overall development. Mentors identify slow learners by evaluating their performance in tests, oral exams, and university assessments. The department organizes remedial classes to provide additional support. Mentors communicate student performance to parents, ensuring transparent updates and involvement. Teachers offer personalised attention to slow learners and provide study materials to aid their learning. Students are encouraged to attend regular classes through counselling sessions.

Advanced learners are identified through outstanding performance in class tests and university exams.Advanced learners are encouraged to participate in workshops and conferences, to gain insights into the latest technological developments. Students are motivated to study recent trends in Engineering and technology, they are guided to present research papers in international conferences or publish them in prestigious National/International journals. Advanced learners are motivated to work on industry-based projects, allowing them to apply their skills in real-world contexts. They are encouraged to lead student associations, organizing events that showcase their leadership and organizational skills. The institution acknowledges their excellence with cash prizes and scholarships, fostering a culture of achievement.

File Description	Documents
Paste link for additional information	https://ssgmce.ac.in/uploads/pdf/Slow%20-Advanced%20-Learner-Policy-website.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1973	102

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

The institution actively employs student-centric methods that encompass experiential and participative learning approaches to enrich students' educational journey.Experiential learning encompasses laboratory experiments, industrial visits, computer simulations, internships, prototype development, and mini-projects. Students also engage in hackathons, fostering innovative problem-solving skills. The institute incorporates TEC as a tool to assess student performance, involving components like new experiment development, mini-projects, fieldwork, and computer simulations/case studies. These elements collectively offer valuable experiential learning opportunities. Students gain experiential learning through projects, seminars, and internships pursued during the academic year. Students actively participate in various student associations.These platforms offer students opportunities to cultivate management and leadership skills by organizing and coordinating diverse activities within their respective departments.To promote participative learning, the institution organizes activities like group discussions and debates, creating an interactive platform for students to engage and exchange ideas. Additionally, students are actively encouraged to contribute to academic discourse by publishing their research papers in reputable journals and conferences.During the pandemic, the institute's teaching-learning approach underwent a complete shift towards online methodologies. To ensure an engaging, interactive, and innovative learning experience, various online platforms, such as Microsoft Teams and Google Meet, were utilized to enrich the online learning environment.

File Description	Documents
Upload any additional information	**No File Uploaded**
Link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/2.3.1.pdf

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

Each department utilizes a variety of ICT-enabled tools to enhance the teaching-learning process's effectiveness. These tools encompass multimedia presentations, educational websites, online simulations, and interactive software applications. Teachers adapt to diverse learning styles, aiding students in comprehending complex concepts more effectively. The practice of conducting digital assessments and online quizzes is adopted. Faculty members employ blogs to communicate relevant information, resources, assignments, and updates to their students. PowerPoint presentations are used to elevate the teaching-learning experience by offering a visual and organized method of delivering information.Amid the pandemic, many faculty members uploaded course-related videos on YouTube and shared materials on Microsoft Teams. The institution has proactively implemented various ICT initiatives to ensure a proficient online learning process. This encompasses the integration of LCD projectors and web cameras in classrooms and laboratories, enabling a hybrid mode of learning. To conduct online lectures, XP Pens were utilized, allowing teachers to vividly illustrate concepts, equations, and diagrams for enhanced engagement. The institution places significant emphasis on nurturing digital learning among students through platforms like NPTEL and Coursera

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

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

2.3.3.1 - Number of mentors

102

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

2.4 - Teacher Profile and Quality

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

102

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

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

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

27

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

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

2.4.3.1 - Total experience of full-time teachers

14.27

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

2.5 - Evaluation Process and Reforms

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

The institute's academic calendar is thoughtfully crafted to guide students throughout the academic year. From the very start of each semester, students receive comprehensive information about the assessment methods that will be employed. For undergraduate internal theory assessments (15 marks), the evaluation is based on two class tests (10 marks) ,an assignment (5 marks and attendance (5Marks). The class test question papers are designed to cover various learning levels and Course outcomes.Class Tests worth 30 marks, focuses on the content of two units within the course syllabus, with each unit given a weightage of 15 marks. students are informed about the assessment methods at the semester's outset. The internal marks scheme is available on the website. Class test answer sheets are shared with students. Class test marks are uploaded on SIS portal.Term work, including practical laboratory assessments (20 marks), occurs continuously during the semester, evaluated through institute-level rubrics. A lab test prepares students for university practical exams. Project progress is consistently monitored, with rubrics guiding the evaluation process. Students receive these rubrics in advance to prepare accordingly. This comprehensive assessment approach reinforces the institute's commitment to fair evaluation and holistic learning

File Description	Documents
Any additional information	**No File Uploaded**
Link for additional information	[https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/2.5.1%20&%202.5.2.pdf](https://www.ssgmce.ac.in/uploads/AQAR/AQAR2021/2.5.1%20&%202.5.2.pdf)

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

The institute employs a range of methods for internal assessment, including unit tests, assignments, and term work for lab sessions. Students receive their assessed test papers for self-assessment, and marks are promptly disclosed to ensure transparency. If any discrepancies arise, students discuss them with teachers for immediate resolution.

The institution has incorporated various assignment components, such as tutorials, quizzes, open-book tests, and new experiment development, to assess students' learning levels. Well-defined rubrics are used to evaluate these assignments, and the evaluated assignments are returned to students to maintain transparency and address any concerns.

Lab experiment performance is assessed using lab rubrics. Even during the pandemic, lab assessments are conducted via Microsoft Teams. Project and seminar evaluations are conducted in front of a faculty panel, guided by shared rubrics. These practices enable students to gain insights into their strengths and areas for improvement.

In the online mode, if students encountered network issues, connectivity problems, or bandwidth limitations, they directly reached out to their respective course teacher to address their concerns. If necessary, the course teacher considered rescheduling tests for those students to help resolve their grievances.

File Description	Documents
Any additional information	[View File]
Link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/2.5.1%20&%202.5.2.pdf

2.6 - Student Performance and Learning Outcomes

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

Program Outcomes (POs) are referenced from NBA Annexure-1. Program Specific Outcomes (PSOs) are developed by each department through thorough meetings.

The Program Outcomes (POs) and Program Specific Outcomes (PSOs) are published and disseminated through the following modes:

College Website and Department Home Page: They are prominently displayed on the college website, the department's homepage, and the Alumni portal.

Stakeholder Engagement: POs and PSOs are communicated to all stakeholders through various avenues, including faculty meetings, alumni meetings, parent meetings, and student induction programs.

Visual Displays: They are showcased in multiple physical locations such as the entrances of each department, the HOD's office, notice boards, staff rooms, and laboratories.

Course outcomes are formulated by respective course teachers, and the Course Outcomes (COs) of all courses are finalized through regular departmental meetings. Bloom's Taxonomy levels are utilized to define COs, encompassing 4 to 6 COs for each course. The course faculty takes the responsibility of effectively conveying the COs to students during classroom sessions.

Documentation: COs are published in course files and on the official website.

These strategies ensure the comprehensive and effective dissemination of POs, PSOs, and COs, thereby enhancing understanding and engagement among all stakeholders.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/2.6.1.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Course outcomes (COs) articulate the expected knowledge students should possess upon completing a course. Evaluating CO attainment relies on internal assessment and university exams. Internal assessment (20%) involves unit tests, assignments, and practical's. University exams (80%) contribute to external

evaluation. Assessing these methods quantifies achievement levels: Level 1: >50% of students exceed target marks, Level 2: >60% exceed, Level 3: >70% exceed.

Program outcomes define what students are expected to know and be able to do after graduation. These relate to skills, knowledge, and behaviours that students acquire during the program.

PO assessment tools encompass direct and indirect approaches. Direct methods consider CO achievement, seminars, and projects. Mapping COs to POs and PSOs yields % attainment. Indirect assessment involves alumni, student exit, and employer surveys. 80% weightage is for direct assessment, and 20% for indirect assessment. In direct assessment, 60% weighs CO attainment via internal and university assessment; 20% for projects and seminars. Indirect assessment (20%) includes alumni (5%), student exit (5%), course exit (5%), and employer (5%) surveys.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/2.6.2.pdf

2.6.3 - Pass percentage of Students during the year

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

521

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	No File Uploaded
Paste link for the annual report	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/2.6.3.pdf

2.7 - Student Satisfaction Survey

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

https://www.ssgmce.ac.in/uploads/AQAR/SSS-2020-2021_report_inst.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

24.32

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

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

3.1.2.1 - Number of teachers recognized as research guides

14

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

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

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

06

File Description	Documents
List of research projects and funding details (Data Template)	[View File](#)
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	[View File](#)
Paste link to funding agency website	**Nil**

3.2 - Innovation Ecosystem

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

To nurture and inculcate the research and innovation culture, the institute has created an ecosystem by employing R and D Policy, National Startup Policy 2019 and Institute Innovation Counsels (IIC). The R and D Policy covers, PhD research, joint research by Students, Alumni, faculties and industry Professionals, publications by students and faculties, thrust areas for research, proposals for funding, consultancy, Incentives for students and faculties, financial support for publications and prototype development etc. The Institute has pioneered the incubation of innovative ideas through SGIARC Technology Business Incubators Foundation (SGIARC-TBI), a section 8 company. The TBI has an approach of promoting Innovative, Technology based start-ups in strategic areas for sustainable growth. The goal of SGIARC TBI Foundation is to promote Technology and Service-based Entrepreneurship and thereby facilitate practical application of knowledge for society use. The TBI has successfully incubated three startups till date which includes AGNIPANKH an e-cycle manufacturing company, SGST Solar Tech a startup of Solar Power Plant and APEXAIQ an IT service-based Startup. The IIC, E-Cell and ED Cell of the institute arrange various awareness programs, seminars, workshops for students and faculties for the knowledge transfer and enhancement. The students are encouraged to participate in Hackathon and other competitions.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/3.2.1.pdf

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

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

10

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

3.3 - Research Publications and Awards

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

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

18

File Description	Documents
URL to the research page on HEI website	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/3.1.2.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	**No File Uploaded**

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

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

35

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

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

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

14

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

3.4 - Extension Activities

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

SSGMCE has been committed to instilling social awareness in students through both curriculum and extension activities. The institution organizes various initiatives such as blood donation camps, educational awareness programs, and gender equality programs to raise awareness among the local inhabitants. The college effectively operates the National Service Scheme (NSS) and the National Cadet Corps (NCC) as part of these efforts. Through these units, the college undertakes diverse extension activities within the neighbouring community, sensitizing students to pertinent social issues. For instance, the units organize clean-up events where students collaborate with community members to enhance the cleanliness of streets, and villages. Health and hygiene workshops are conducted in local schools and community centres, where students are educated about proper hand washing techniques, personal hygiene practices, and the significance of maintaining a balanced diet.During pandemic conditions

NSS unit conducted online workshops on the 'My Family, My Responsibility' theme as part of the SNEHANUBANDH campaign by SGBAU. Additionally, the NSS unit organized a blood donation camp, ensuring adherence to social distancing guidelines, resulting in the collection of 37 units of blood, which were subsequently donated to the Sai Bai Mote Government Hospital.

The college actively observes events like International Yoga Day and Rashtriya Ekta Diwas to foster a sense of unity and well-being.

File Description	Documents
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/3.4.1.pdf
Upload any additional information	No File Uploaded

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

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

0

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

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

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

07

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

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

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

200

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

3.5 - Collaboration

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

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

05

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

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate

houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

15

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

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

The institute's extensive 82-acre campus adheres to AICTE and SGBAU guidelines for land and building space in Technical Institutions. It encompasses 27, classrooms with comfortable seating and suitable lighting, augmented by audio-visual aids like projectors and sound systems to enhance the learning experience. Among its 44 laboratories equipped with state-of-the-art tools for hands-on learning, the institution also features an Ultra-modern auditorium and 8 seminar halls that serve as venues for guest lectures, seminars, and workshops.

With a multimedia and video centre, the institute supports multimedia learning. Its library houses a rich collection of books, journals, and digital resources. Ensuring smooth research and virtual learning, the campus offers reliable high-speed internet connectivity. Recreational spaces including gardens and common areas contribute to a well-rounded campus atmosphere.

Health and safety are paramount, evidenced by medical facilities, first aid kits, and RO water purifiers. The institution provides 5

boys' hostels, 3 girls' hostels, and staff residential facilities, all well-maintained and secured 24/7. The campus offers a clean canteen, mess, and a variety of nutritious meals, while additional amenities include a Student Cooperative consumer store, on-campus ATM, and a power house ensuring continuous power supply

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/4.1.1.pdf

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

The institution takes immense pride in offering a comprehensive range of facilities that foster holistic student development. Annually, the institute hosts "Culfest," an Annual Social Gathering providing a stage for students to showcase their exceptional singing, dancing, and acting talents. To support such events, the institution boasts an ultramodern auditorium seating 1200, alongside a dedicated music room equipped with various instruments. Recognizing the significance of physical fitness and recreation, the institution provides an extensive spectrum of sporting facilities catering to diverse interests and skill levels. The physical department spans 8 acres of land, catering to both indoor and outdoor sports. Notable features include a 500-capacity indoor badminton stadium, a modern multi-gym health center, and rooms for chess and carrom. Outdoors, there are volleyball courts, a Kabaddi ground, lawn tennis courts, a Khokho field, football and handball grounds, a cemented basketball court, a 400-meter running track, a ball badminton ground, and a proposed international standard cricket ground with a TRF wicket. Comprehensive CCTV surveillance underscores the institution's commitment to safety, ensuring student and staff well-being. A serene yoga and meditation center provides students and faculty a space for inner well-being and mindfulness.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/4.1.2.pdf

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

32

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/4.1.3.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

9.77

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

4.2 - Library as a Learning Resource

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

SLIM27 software, automates the library with modules for Acquisition, Cataloguing, Circulation, and Serial Control. It manages books, e-books, articles, and reports, generating reports, updating policies, and tracking item status. Its vast collection of over 91,534 text and reference books, spanning 29,945 unique titles, is complemented by access to 1,934 periodicals 24, technical print editions, 1,907 online e-journals, and 3 non-technical journals across various subjects, including online resources. Additionally, it houses an array of educational,and entertainment CDs, along with audio/video cassettes. The Online Public Access Catalogue (OPAC) eases resource discovery.

The library caters to exam preparations like GATE, TOEFL, GRE, CAT, etc., It seamlessly integrates online and offline services, utilizing Barcode Technology and offering a Plagiarism Checkers Software Facility. The library operates from 8:00 a.m. to 12:00 a.m. (midnight) on weekdays, and 11:00 a.m. to 5:00 p.m. on Sundays and holidays. Seating accommodates 100 students in the Periodical Section and 200 in the Reference Section, with 21 computer terminals and 2 printers available. Reprographic services are accessible at a nominal rate. The Issue Counter serves 75 to 100 students daily, while the Reference/Reading Section hosts 100 to 150 students. The library's offerings are complemented by round-the-clock internet, intranet, and Wi-Fi connectivity.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/4.2.1.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	C. Any 2 of the above

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

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

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

4.57101

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

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

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

33

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

4.3 - IT Infrastructure

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

The institute's robust IT setup meets AICTE and University norms. Labs feature updated computers, while a strong language lab enhances communication skills.. Spanning an area of 165 square feet, the central Data Centre operates as a hub for an array of services. It serves as the hosting ground for SAP ERP servers for both SSGM Sansthan and SSGMCE. It offers steadfast internet and intranet services, facilitates web hosting for multiple websites including the college's official site, manages mail services, and provides Wi-Fi and Fiber ring network connectivity across the college campus. This facility is strengthened by a thorough security structure, Equipped with automated FM 200 fire suppression systems and high-resolution CCTV camera monitoring, it employs a three-layer secure entry system through RFID access control cards.

The Data Center boasts internet connectivity of 400 Mbps through dedicated leased lines, backed by multiple connections from different ISPs to guarantee uninterrupted uptime. The network infrastructure is equally impressive, encompassing a Gigabit Backbone supported by over 50 manageable Cisco, D-Link, and HP switches. Over 2200 meters of Optical Fiber Cable form the backbone, adhering to structured cabling standards with AMP certification, ensuring quality and a 25-year warranty..SAP servers play a pivotal role, featuring HP RX2660 servers for development, quality assurance, and production, accompanied by storage and backup devices to safeguard crucial data. Additionally, other servers, like IBM x226 and x346, contribute to the facility's comprehensive capabilities.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	[https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/4.3.1.pdf](https://www.ssgmce.ac.in/uploads/AQAR/AQAR2021/4.3.1.pdf)

4.3.2 - Number of Computers

407

File Description	Documents
Upload any additional information	[View File](#)
List of Computers	**No File Uploaded**

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

File Description	Documents
Upload any additional Information	[View File](#)
Details of available bandwidth of internet connection in the Institution	[View File](#)

4.4 - Maintenance of Campus Infrastructure

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

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

28.59

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

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

The institution boasts ample infrastructure and facilities to support teaching, learning, the curriculum, and extracurricular activities. It possesses excellent physical amenities, including residential and academic buildings, a library, laboratories, hostels, a yoga and meditation center, indoor and outdoor sports facilities, and more. The college is well-equipped to cater to academic, research, co-curricular, and extracurricular needs. The institute has established clear procedures for maintaining physical equipment, with standard operating procedures in place for the upkeep and utilization of academic and support facilities.

The physical facilities for academic activities encompass e-classrooms, laboratories, workshops, research labs, meeting and drawing halls, the Central Digital Library, the Communication Skills Lab, and facilities for training and the Placement Cell. The institute also provides comprehensive sports and games facilities, including a gymnasium, badminton court, table tennis court, skating hall, cricket and football grounds, volleyball and basketball courts, as well as a tennis court. Additional amenities on campus comprise a medical dispensary, an ATM, a student consumer and cooperative store, five hostels for boys and three for girls, residential facilities, and an ambulance service.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://ssgmce.ac.in/uploads/pdf/Policies%20maintaing.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1252

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

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

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

293

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/5.1.3.pdf
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

739

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

739

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

5.1.5 - The Institution has a transparent

A. All of the above

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

264

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

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

5.2.2.1 - Number of outgoing student progression to higher education

04

File Description	Documents
Upload supporting data for student/alumni	[View File](#)
Any additional information	**No File Uploaded**
Details of student progression to higher education	[View File](#)

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

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

13

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

5.3 - Student Participation and Activities

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

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

02

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at unive rsity/state/national/international level (During the year) (Data Template)	View File

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

The Institute fosters a vibrant student community by encouraging active involvement in various committees and organizations. At the heart of this engagement is the Student Council, dedicated to representing and addressing student concerns. Comprising representatives from different aspects of campus life, including classes, professional bodies, and cultural committees, the Council ensures that the student voice is heard.

Students also play a pivotal role in the Internal Quality Assurance (IQA) Cell, offering valuable feedback to enhance the institute's operations. They actively participate in professional bodies and student chapters, organizing technical events and activities to enrich the student experience.

The college magazine, Tatwadarshi, benefits from student contributions, with nominated representatives assisting in content curation and publication. The Cultural Committee, driven by student volunteers, orchestrates various cultural events and functions, further enriching the campus experience.

Additionally, students are actively involved in the National Service Scheme (NSS) and Sports Committee, contributing to social causes and organizing sporting events. They also serve on committees addressing crucial issues, such as anti-ragging, anti-sexual harassment, and grievances, ensuring a safe and harmonious campus environment.

By promoting active student participation in these diverse roles, the institute creates a collaborative atmosphere where students actively contribute to decision-making and the continuous

improvement of the institution's culture.

File Description	Documents
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/5.3.2.pdf
Upload any additional information	View File

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

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

01

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

SSGMCE boasts a vibrant and registered alumni association,(Reg. No. F_10852, Buldhana), with its own governing body. This association functions with several key objectives in mind. It strives to create a strong sense of unity and camaraderie among the institution's alumni, fostering a tight-knit network of individuals who have graduated from the college. The Alumni Association also serves as a valuable platform for professional networking and career development, enabling alumni to connect with one another and explore potential collaborations. Through various events and initiatives, it actively raises funds to support the

college's growth and development. Keeping alumni informed about the college's current status and future plans is a priority, ensuring that graduates remain connected and engaged.Recognizing and celebrating the achievements of outstanding alumni is another vital role the association plays, inspiring others and acknowledging their success. Moreover, it facilitates interactions between current students and alumni, offering mentorship programs and industry exposure to help students learn from the experiences of those who came before them. The association also encourages philanthropic efforts from alumni, allowing them to contribute their time, expertise, and resources to support the institution and its current students. Finally, it provides a platform for alumni to share their knowledge and skills with the college community, further enriching the academic environment. With annual Alumni Meets and a dedicated portal, this association actively engages with approximately 11,714 alumni, creating a robust and enduring connection between the college and its graduates.

File Description	Documents
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/5.4.1.pdf
Upload any additional information	View File

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

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

and mission of the Institution

The governance structure of SSGMCE stands as a shining example of effective leadership, attuned to the institution's visionary aspirations and core mission. The leadership embodies strategic

foresight, ethical values, and a strong commitment to bettering global society through education. In the decision-making structure of our organization, leaders exhibit a remarkable understanding of the institution's vision, which serves as a guiding star for all efforts. They translate this vision into actionable strategies that steer the institution toward its long-term goals. The apex authority, represented by the Board of Governors, issues directives to ensure the successful execution of the institution's academic and administrative endeavours. The CDC, IQAC establishes a comprehensive framework encompassing policies, structures, relationships, systems, and processes that facilitate the seamless operation of the institute. . Faculty members actively participate in various institutional committees and professional bodies and contribute indecision making to achieve goals set as per the perspective plan.

The outcomes of proficient leadership have led to the continual provision of quality education, which is apparent from the acknowledgments received from Accreditation Body . i.e NBA

A strategic plan is developed, aligning resources, objectives, and initiatives to enhance educational quality, foster innovation, strengthen industry partnerships, and promote holistic student development in line with the institution's vision and mission while taking into account the principles outlined in the National Education Policy (NEP) 2020, ensuring a progressive and transformative educational journey."

File Description	Documents
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/6.1.1.pdf
Upload any additional information	View File

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

Effective leadership is observable through various institutional practices, such as decentralization and participative management. These practices are exemplified in the well-established procedure governing the procurement of non-consumable items, including equipment, software/hardware, electric installations, furniture, and fixtures—integral to the educational process. This procedural framework ensures adherence to specified requirements.

Initiated by the Lab Incharge, the process begins with the user department presenting a demand, alongside the recommendation of the Head of Department (HOD) and approval from the Principal. The Chairman subsequently reviews and endorses the demand. Following this, an enquiry is dispatched to approved vendors. Upon receiving quotations, a Comparative Statement is crafted and submitted to the Chairman and the Purchasing Committee for approval. Sanction is sought for the procurement of necessary items.A Purchase Order is then generated and issued to the selected vendor. Upon material arrival, it is delivered to the respective department. The designated individual, as per the demand, inspects the received material and generates a quality control note. Should the quality not align with the specifications, the storekeeper contacts the supplier to address the issue or replace the order. Payment is withheld until corrective measures are implemented.The invoice from the vendor, Material Receipt Note, and QC Note necessitates the endorsement and signature of the concerned HOD and Principal, symbolizing authorization and approval for payment.

Thus, this process epitomizes effective leadership through its meticulous approach to procurement, quality control, and decision-making.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institution has a well-defined plan for its development, focusing on several key aspects. This plan places emphasis on innovative teaching and learning methods, enhancing research activities, establishing strong industry partnerships, cultivating an entrepreneurial ecosystem, preparing students for successful placements and/or higher studies, developing and sustaining state-of-the-art infrastructure, and securing funding from various organizations to facilitate the organization of FDPs, STTPs, and lab modernization initiatives.

The Department of Electrical Engineering received Rs 285,000 from AICTE through the AQIS Scheme. This grant facilitated a series of online STTP sessions focusing on "Software Utility for Teaching

and Research in Electrical Engineering." The Mechanical
Engineering department secured Rs 1,489,412 via the MODROB AQIS
scheme for modernizing the Internal Combustion Engine Lab and the
Automobile Lab. For the Computer Science and Engineering
department, a grant of Rs 361,667 was acquired to organize an AQIS-
sponsored STTP cantered on "Machine Learning and Its Applications
in Data Analytics." Furthermore, the Electronics and
Telecommunication department successfully conducted a 5-day FDP on
the "Internet of Things," sponsored by the AICTE Training and
Learning (ATAL) Academy. These accomplishments collectively
underscore the institution's commitment to academic and research
advancement, showcasing alignment with the strategic plan.

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 institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The organizational structure of SSGMCE is designed to ensure
efficient management of administrative and academic operations.
This structure encompasses various bodies that collectively form
the organizational chart. The apex is occupied by the governing
body, holding supreme decision-making authority..

Central to this framework is the Principal, who consults the Board
of Governance for academic and administrative matters and is
advised by the Local Managing Committee. As the academic and
administrative head, the Principal oversees the Institute's
functioning across academics, administration, finance, and growth.
Guided by the Principal, the IQAC and CDC reinforce academic
quality assurance processes, enhancing overall efficacy.

Regular assessments by the Principal, Deans, and Department Heads
measure achievements and address challenges. Faculty involvement
is pivotal, and their engagement in decision-making is highly
valued. Faculty members' presence can be observed in committees
such as the Governing Body, Academic Advisory Board, Student

Council, Student Grievance Redressal Cell, Internal Complaint Committee, Anti-Ragging Committee, Library Committee, Alumni Association, SC/ST Cell, Hostel Committee etc.

Guided by regulatory bodies like AICTE, DTE Maharashtra, and SGBA University, the Institute relies on service rules, policies, and procedures to govern its operations. Complemented by state and central regulations, these rules shape recruitment, promotions, and conduct. With approved policies ensuring transparency, the Institute communicates its quality assurance approach through its website to internal and external stakeholders.

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

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

The institution boasts a robust framework of welfare measures, benefiting both teaching and non-teaching staff. This encompasses financial security provisions, including the Employee's Provident

Scheme and Gratuity, ensuring a secure future for employees. Additionally, Group Insurance coverage is extended to provide essential financial support during unfortunate events. Staff members enjoy the privilege of Medical and Maternity Leave, catering to their health and family needs, while Earned Leave promotes a healthy work-life balance.

The institution values and incentivizes research contributions, offering rewards for research publications. It further provides accessible healthcare through a campus dispensary and extends financial services through the Credit Cooperative Society and Consumers' Store. In emergencies, a Free Ambulance Service is readily available. Special considerations for leave requests in genuine cases and incentives for exceptional work underscore the institution's unwavering commitment to staff welfare. It also supports affordable education for employees' children through free or partially paid admissions with convenient monthly salary deductions. During times of family tragedy, Class Four employees receive valuable Financial Assistance.

Faculty members receive strong support for their professional development, including academic or special leave for FDPs, workshops, seminars, and more. The college covers registration fees and provides travel allowances (TA/DA). Special leave is also granted for Ph.D. pursuits.

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

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

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

09

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

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

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

08

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

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

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

55

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

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

The institution employs a Faculty Performance Appraisal and Development System akin to UGC's Academic Performance Index (API) to assess faculty performance annually. The Participatory Appraisal system(PAS) encourages faculty, promoting professional growth and knowledge. It evaluates: I. Teaching, learning, and evaluation performance against assigned workload II. Co-curricular, extension, and professional development activities III. Research, publications, and academic contributions IV. Official conduct and other pertinent awards or activities. Faculty members submit completed 360 Appraisal Forms to their respective Heads of Department (HODs). The HODs evaluate these forms and create Teaching Learning Process Evaluation Sheets. The evaluated 360 Appraisal Forms along with the Teaching Learning Process Evaluation Sheets are then submitted to the principal. Following this, the Principal assesses the Annual Confidential Report (ACR) Format received from the department and reviews claimed API scores supported by evidence Subsequently, the ACR is passed to the Managing Director who provides remarks. The ACR, along with remarks, is then sent back to the Principal and Registrar for further required actions.

The performance appraisal system for non-teaching staff is conducted based on observed parameters, including sincerity, obedience, attitude towards colleagues, and technical competence for roles such as laboratory assistants. Annual increments are granted according to the outcomes of these evaluations.

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

6.4 - Financial Management and Resource Mobilization

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

SSGMCE appointed Shri Prabhakar Risbud, a Chartered Accountant, as an auditor. He conducts audits twice in one financial year. The audit conducted by Shri Risbud, encompasses a comprehensive review of various financial aspects of SSGMCE. This includes examining the accuracy and completeness of vouchers, ledgers, bank accounts, cash books, and other financial records. As part of the audit process, the auditor ensures that the institute's financial operations comply with relevant laws, regulations, and accounting standards. This involves verifying adherence to applicable taxation rules, financial reporting requirements, and any other legal obligations. The auditor thoroughly examines the reconciliation of tuition fees collected from students. This involves cross-checking the fee receipts, records of student enrolments, and any adjustments or refunds made. The auditor reviews the institute's fixed assets, such as buildings, equipment, and infrastructure, to verify their existence, valuation, and appropriate recording in the financial statements. Shri Prabhakar Risbud meticulously examines the income and expenditure statements to assess the financial performance of the institute. This involves verifying the accuracy of revenue recognition, proper classification of expenses, and analysing financial ratios and key performance indicators to evaluate the institute's financial health. The auditor conducts a thorough review of the balance sheet, checking the accuracy and completeness of assets, liabilities, and equity. Following the audit, the auditor prepares a comprehensive audit report that includes findings, observations, and recommendations for improvement

File Description	Documents
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR 2021/6.4.1.pdf
Upload any additional information	**No File Uploaded**

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

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

0.5

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

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

The institution diligently oversees the efficient use of financial resources to support infrastructure development, furthering the goals of the teaching and learning process. As a self-financed private college, tuition fees constitute the primary revenue source. Supplementary funding is secured through research grants from AICTE, enabling the allocation of funds for both ongoing and one-time expenses. At the outset of each fiscal year, collaboration between HODs and Section Heads results in the formulation of the college budget. This institutional budget comprehensively covers recurring costs, including staff salaries, electricity, internet charges, stationery, and maintenance expenditures. The budget also encompasses planned outlays, such as the acquisition of laboratory equipment, furniture, and other developmental investments. Stringent scrutiny and approval by the Management and Governing Body guarantee the budget's integrity. The Head of the Institution maintains active oversight to ensure expenses align with budget provisions. An annual audit further certifies the budget's accuracy and adherence to financial

regulations.

The college is unwavering in its commitment to fostering research, development, consultancy, and faculty engagement at various levels. Subject to fund availability, faculty may receive travel grants to present research findings or participate in National or International Conferences in India or abroad. Innovative teaching and learning practices are encouraged to maximize resource deployment effectively. Additionally, the college's infrastructure serves as an Examination Centre for various Government exams. Library resources are conveniently accessible beyond regular hours, benefiting students, faculty, and support staff.

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

6.5 - Internal Quality Assurance System

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

IQAC has played a pivotal role in crafting a comprehensive quality assurance framework aligned with the institution's mission.The institution's perspective plan emphasizes the empowerment of both students and faculty by enhancing their current knowledge and skills.

Two key strategies

ICT-supported teaching-learning:

Faculty usedtechnology to make learning better. They used videos, online activities, and interactive tools to help students understand things easily.Faculty's use of platforms like YouTube and Microsoft Teams further enriches learning. The institution has adopted hybrid learning tools like LCD projectors and web cameras for classrooms, coupled with XP Pen for more interactive online lectures. Encouraging digital learning, the institution leverages MOOCs and Digital Library resources like NPTEL and Coursera.

Skill Development

IQAC has played a crucial role in planning and executing skill development programs at the institution. Numerous workshops and seminars covering diverse topics like electricity bill reading, Lab VIEW introduction, power electronics' role in electrical engineering, robotics, CMOS circuit design, RF circuits training, and more, have been organized to nurture research skills. Webinars on data science careers, entrepreneurship, and job readiness were held to enhance employability skills. The institute also encouraged life skills through yoga and meditation programs.These efforts led to SSGMCE securing the 81st rank among the top 100 Employability T-schools in India and the 73rd rank among top T-schools (private) in the "T-School Employability Index Survey 2021"

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

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

The institute has embraced the outcome-based education (OBE) methodology, aligning the curriculum and teaching techniques with specific learning outcomes. This strategic shift ensures that students graduate equipped with the skills and knowledge demanded by employers and industries.

Periodically, the QAC assesses graduate achievements, noting the requirement for refining the institution's OBE implementation process to attain intended outcomes. To foster awareness among stakeholders, the Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) are conveyed through diverse communication channels.

The IQAC organized Faculty Development Programs (FDP) and training initiatives for faculty to enhance their comprehension of OBE. Competency-Outcome (CO-PO) mapping matrices were revised to align with Competencies and Performance Indicators as per AICTE Exam reform documents. Valuable insights were sought from faculty members, alumni, and renowned academicians to enhance the

curriculum. Gaps in the curriculum were identified and communicated to the university for necessary modifications.

The IQAC initiated an endeavour to enhance Industry-Academia collaboration. Collaboration. Collaborative projects and internships with industries were reinforced, enabling students to apply theoretical knowledge practically. This approach has led to improved practical skills and enhanced industry readiness. Expert talks featuring industry professionals were organized to acquaint students with industry practices, fostering a deeper understanding of real-world scenarios.

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

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.ssgmce.ac.in/uploads/AQAR/MOM2_2020_21.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institute is dedicated to providing equal opportunities for all individuals and actively promotes gender and class equity throughout its growth. There is a strong commitment to eliminating any form of gender bias, and the institute maintains a zero-tolerance policy towards such issues. Female staff members are accorded the same respect and opportunities as their male counterparts, both in terms of career advancement and empowerment. Special responsibilities and equal authorities are entrusted to female staff members to ensure their active involvement.

To ensure the safety of women on campus, comprehensive security measures are in place. These include the deployment of security personnel and constant CCTV monitoring. Separate hostels are provided for girls and boys students, each equipped with excellent amenities and robust security arrangements. Female wardens and supervisors exclusively oversee girls' hostels. All visitors are required to undergo scrutiny by security personnel at the main gate, and their details are recorded in an entry register. A biometric attendance system is implemented at the exit gate for students. In cases where a girl student leaves the hostel, her parents are promptly notified via a message. Female sweepers are employed in each girls' hostel. Security checkpoints are strategically positioned at entry and exit points, with security personnel ensuring 24/7 vigilance across the campus. The institute has also established an Anti-Ragging Committee, a Grievance Redressal Committee, and a Women's Development Cell (WDC) in accordance with government guidelines, all actively addressing relevant concerns

File Description	Documents
Annual gender sensitization action plan	https://www.ssgmce.ac.in/uploads/AQAR/Anuual%20Gender_plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.ssgmce.ac.in/uploads/AQAR/7.1.1_gender-equity.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy	A. 4 or All of the above

Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The institution has implemented a structured process for collecting, treating, and disposing of solid waste.

Biodegradable Waste Management:

The college, featuring hostel facilities and extensive landscaped gardens, generates a substantial amount of biodegradable waste. To efficiently address this waste stream, a Bio composting unit has been installed in the parent organization. The resulting compost serves as a valuable fertilizer feedstock for the college's own garden. Kitchen waste and leftover food undergo biodegradation, transforming into compost via this eco-friendly process, with the plant located at Anand Sagar within the parent organization.

Liquid Waste Management:

Being a residential college where a large number of students and staff reside within the campus, there is a substantial need for water during operational and site activities. However, this also results in the production of a significant amount of sewage water. SSGMCE has installed a 12,000 LPH water recycling system. This system enables us to continually reuse one of our most vital resources and maintain an environmentally friendly campus

E-waste Management:

To ensure responsible e-waste management, the institution has established designated storage areas where e-waste is assessed for potential exchange or disposal at minimal cost. . Any equipment that cannot be reused or recycled is disposed of through authorized vendors, ensuring full compliance with environmental regulations.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File]
Any other relevant information	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	B. Any 3 of the above

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

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

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

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	C. Any 2 of the above

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

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

diversies (within 200 words).

Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities-

The motto "Sarve Bhavantu Sukhinah" (which means- Let all be happy) of the parent organization Shri Gajanan Maharaj Sansthan has percolated the ideology of nurturing tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. This has leaded to well thought and organized initiatives by the institution. These are mentioned below-

- **Celebration of festivals- Ganeshotsav, Shastra Pooja on Ashtami, Navaratri Dandiya, Buddha Paurnima, Ramzan Eid etc.**
- **People (employees and students) from all the strata/ segments participate in the palanquin on Rishi Panchami and Pragat Din which are the days of importance specifically for this region.**
- **Prayer of "Universal Harmony" taken from RigVeda is practiced everyday at 11.00 a.m.**
- **Anapan/ the beginning stage of Vipashyana meditation is performed for 10 minutes every day.**

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)
Any other relevant information	**No File Uploaded**

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

To instill a profound comprehension of fundamental values and civic responsibilities among the student body, ultimately nurturing a harmonious and well-informed community following activities are conducted

On December 7, 2020, a session focused on "Rights and Duties" as outlined in the Constitution of India was held. This enlightening

session served as a reminder that rights are the rules governing interactions between individuals, placing constraints and obligations on both the state and individuals or groups. The session emphasized that the true essence of rights emerges when coupled with duties—obligations that individuals are expected to fulfill.

On January 2, 2021, the institution organized a "Voting Awareness Session," where the paramount importance of voting was emphasized. This interactive session explained the significance of this civic duty and provided a platform for students to engage in a dynamic question-and-answer session, addressing queries regarding the voting process.

These initiatives underscore the institution's commitment to nurturing responsible citizens with a profound understanding of the equilibrium between individual rights and civic duties. By actively engaging with these fundamental aspects of citizenship, students are poised to become active participants in shaping the nation's future, contributing to societal betterment.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	Nil

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

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

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

In SSGMCE, the celebration of national and international commemorative days, events, and festivals holds immense significance. These celebrations serve as a catalyst for spreading positivity, motivating and inspiring students and employees, and cultivating a deep sense of unity, equality, brotherhood, affection, and national pride.

The institution wholeheartedly embraces the opportunity to observe a number of significant occasions, including Independence Day, Republic Day, Youth Day, Convocation Day, Yoga Day, Engineers' Day, Teachers' Day, and more. Even in the face of the challenging circumstances posed by the COVID-19 crisis, the institution has demonstrated resilience by adapting and conducting some of these events online. These celebratory events serve as a testament to the institution's unwavering commitment to fostering a holistic educational environment that places great value on culture, tradition, and a profound sense of unity among the cherished students and dedicated staff members.

Thus the institution's celebration of these significant days and events reflects its dedication to creating an educational atmosphere that not only imparts knowledge but also instills values and a sense of togetherness among all members of the community.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practices are :

1. Institutional Scholarship Provision
2. Industry- Academia Connect

Institutional Scholarship Provision:institution has taken proactive steps to establish a mechanism that not only rewards outstanding students but also extends support to those in need. This initiative is carried out through a dedicated scholarship committee, comprised of a central coordinator, members, and a custodian. The scholarship committee is responsible for overseeing various aspects of scholarships and awards, including merit-based scholarships, scholarships from donors, GATE prizes, best project prizes, and more.To facilitate this process, our institute has established a scholarship fund specifically designed to assist deserving students who exhibit merit and dedication in their studies. This fund has been made possible through the generous contributions of well-wishers associated with our institute, who have generously contributed a lump sum to support this cause. The interest accrued from this fund is then channeled to provide scholarships to students who meet the criteria set by the donors.

Industry- Academia Connect:

The context of the practice "Industry-Institute Connect" lies within the realm of higher education and professional development. This practice revolves around establishing and strengthening collaborations, partnerships, and interactions between academic institutions, such as universities or colleges, and industries

In a rapidly evolving world, where industries are characterised by

technological advancements, changing trends, and complex challenges, the practice aims to ensure that education remains relevant and aligned with the needs of the job market.

File Description	Documents
Best practices in the Institutional website	https://www.ssgmce.ac.in/uploads/IQAC_Best Practices.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Being different has been treated as good and being good is being treated as different, these days. Shri Sant Gajanan Maharaj College of Engineering, Shegaon, almost for last four decades, has been scattering this "Goodness" backed by numerous other attributes to serve humanity. Yoga coaching, meditation, daily prayer in the prayer hall, availability Swadhyay kaksh (Room), an enriched library with a good number of books not only on curriculum but also on personality development, culture, religion and spiritual practice, an exclusive section called Sparsh including books by the stormy monk Swami Vivekananda and his colleagues, inputs from faculty members well equipped with the UHV courses and through subjects like Business Ethics, Values and Ethics reflect the efforts to elevate Spiritual Quotient'

The technology side of the institute can be represented through a 24 hours uninterrupted wi- fi facility, FabLab established through expertise Vigyan Ashram, Pabal, Pune, availability of SAP Software, CNC Simulation exercises by Circular Angle, Mumbai, Solar Research Laboratory, Making of e- bicycles and e- vehicles, Award winning projects in Smart India Hackathon, Students' activities like Pursuit and Parishkriti, Water Recycling Plant, Turnitin Plagiarism Checker Software, Usage of Office Teams, OPAC Library Software etc.

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

7.3.2 - Plan of action for the next academic year

To actively participate in the National Institutional Ranking Framework (NIRF) rankings.

To prepare for an NBA Compliance visit.

To enhance student publications.

To formulate a Research and Development policy to drive R&D growth.

To establish a roadmap for continuous improvement in alignment with our strategic plan.

To increase the number of patents and copyrights.

To apply for NAAC Accreditation, a significant milestone in evaluating and enhancing institutional quality.

To sustain and nurture an entrepreneurial spirit by providing resources such as incubation centres, mentorship programs, and funding opportunities for student startups.

To arrange workshops, FDPs, and STTPs cantered around research and development initiatives.

To foster enthusiasm and drive among students for their participation in external project competitions

To increase student centric activities