YEARLY STATUS REPORT - 2021-2022

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?	No
• 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%202020-21%20uploaded.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%202021-22.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.R.Paraskar / Dr. S.S.Jadhao Electrical Engineering Department	MODROB	AICTE	2022	18.72 Lakhs
Dr. P. R. Wankhede	ATAL AICTE	AICTE	2021	0.93 Lakhs
Dr. H M Jha	NCIM	AICTE	2021	1.743 Lakhs

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	02
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

Creating a roadmap for continuous improvement

Framing a Research and Development Policy to foster research growth.

Hosting a National Conference focused on Innovation Management.

Establishment of a State-of-the-Art Electric Vehicle Excellence Centre in collaboration with the Imperial Society of Innovative Engineers.
In collaboration with SGIARC and Agnipankh Energy Pvt. Ltd., SSGMCE has launched an E-Bicycle.

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
Conduction of FDPs/STTP/professional Development Program: related to Research Methodology and IPR	35 Professional Development Programs Organized. by institute
Enhancing Placements	Students Placement record of the institute: Students Placement record of the institute: 568 Head count (258)
Participation of Faculty in STTP/FDP	66 faculty members attended FDP and STTP in their thrust areas
To enhance participation in MOOCs certification programs	59 students successfully completed the courses
Nil	50 student development activities under various Professional Societies are organized by the respective Professional Societies of the institute
Faculty Recognition & Achievements	Dr. S.R. Paraskar, Head of the Electrical Engineering Department, received a grant of Rs 18.76 Lakhs for the modernization of the Power System Lab from AICTE under the MODROB Scheme.
Student Publications	64 publications done by student during the year on their final year
Number of students completing Field work/project	The number of students completing internships and field

work/Internships	projects in industries is 603.
Number of research papers in the Journals notified on UGC website	**68 publications by the faculty members in reputable journals**
Number of extension and outreach programs conducted	**16 extension and outreach programs conducted by NSS Unit**
Student Achievements	**Two teams from SSGMCE participated in the Hackathon on Smart Key for Meter Cabins, which was organized by Adani Electricity. The first team, consisting of Viplav Khode, Chinmay Deshkar, Pranjali Amalkar, and Pranoti Gaigol, was awarded the second prize (First Runner-Up), which included a cash prize of Rs. One lakh. The second team, consisting of Aniruddha Wankhade, Vivek Joge, Shwetatai Bhagat, and Pallavi Nawghare, received the third prize (Third Runner-Up) of fifty thousand rupees, along with recognition certificates. Three students, Mandeepsingh Bagga (EXTC), Akshaykumar Bhopale (CSE), and Chetan Marode (CSE), developed an Android mobile application called 'fromto' for Buldhana District State Transport. Using this app, passengers who prefer to travel by S.T. Bus can easily access the proper schedule of state transport buses, fare information, routes, and travel times. Tanvi Nanote has been selected for the Maharashtra Volleyball Team. She will be a part of the Maharashtra Volleyball Team representing the state at the National Championship, which will be held in Bhubaneshwar, Odisha, from 9th February 2022 Twelve**

	students have been awarded by SGBAU for outstanding performance in sports. Ms. Jayashri Shetye won a gold medal in a boxing competition. Swapnil Patil has been selected for the University Cricket team. Five students, namely Tanvi Nanote, Manan Goel, Chinmay Harane, Ms. Jayashri Shetye, and Swapnil Patil, have won color coats for sports at the SGBAU university competition.
Total Grants from Government and non-governmental agencies for research projects / endowments	**A total grant received by the institution under various schemes is 26.56 lakh**

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	**16/12/2022**

15. Multidisciplinary / interdisciplinary

In alignment with the National Education Policy 2020 (NEP 2020), SSGMCE has initiated a robust multidisciplinary and interdisciplinary approach to education. The institution is deeply committed to providing a holistic learning experience to its students. Affiliated with Sant Gadge Baba Amravati University, SSGMCE adheres to a credit-based system.. Within the curriculum, a diverse range of courses has been incorporated, such as power supply systems, disaster management, e-commerce, fiber optics and communication, entrepreneurship and project management, environmental studies, and a comprehensive course on the Indian Constitution. These courses enrich students' knowledge base and

provide them with a well-rounded education. Furthermore, the institute actively encourages multidisciplinary projects, fostering collaboration among students from various engineering branches. This collaborative environment promotes the exchange of ideas, enhances the learning process, and replicates real-world situations where diverse teams work together.

Regular workshops are a vital component of this educational approach, bringing faculty members from different departments together. These sessions serve as platforms for exploring innovative teaching methods and identifying opportunities for interdisciplinary collaboration.

To expose students to a wide array of perspectives and insights, SSGMCE invites distinguished speakers from diverse fields for guest lectures. These sessions showcase how different disciplines intersect and contribute to society, broadening students' horizons.

The college also plays an active role in guiding students toward career paths that require multidisciplinary expertise, offering advice on advanced studies, research, and emerging fields. Additionally, the institution conducts extension lectures on crucial topics like gender sensitization and women's safety.

SSGMCE is diligently devising effective strategies to implement multidisciplinary and interdisciplinary education. This endeavor is geared toward equipping students with the essential skills needed to thrive in the 21st century.

16.Academic bank of credits (ABC):

The implementation of NEP 2020 introduces an innovative concept known as the Academic Bank of Credits (ABC), which revolutionizes the academic landscape by offering flexibility in program entry and exit points. Under this framework, students have the opportunity to earn and accumulate credits through national initiatives like Swayam and NPTEL. These earned credits can be transferred and utilized as students' progress in their educational journey, enhancing their ability to successfully complete their chosen courses, including those offered through distance learning. Shri Sant Gajanan Maharaj College of Engineering Shegaon, affiliated with SGBAU University, has adopted a curriculum structured around a choice-based credit system. The institution is actively preparing to conduct informative sessions related to NEP 2020, with a particular emphasis on enlightening all stakeholders about the intricacies and advantages of the Academic Bank of Credits. This initiative aims to empower

students and promote a more flexible and adaptable approach to education.

17.Skill development:

The institute has embarked on a multifaceted journey to enhance students' skills and capabilities. These comprehensive efforts span a wide array of domains, including internships, industry-sponsored projects, industrial training, certification courses, and NSS extension activities. The collaboration between the NSS unit and NCC unit is instrumental in nurturing social responsibility and life skills among students. Furthermore, the annual "Social Gathering" serves as a vibrant platform for students to showcase their talents in singing, dancing, and acting.

In the academic sphere, the institute takes a proactive approach by organizing a series of skill-focused workshops in partnership with industry experts. These workshops provide invaluable hands-on experience, equipping students with practical skills that align seamlessly with industry requirements. Additionally, the institution introduces specialized technical training programs in emerging domains such as data science, artificial intelligence, and cybersecurity. These programs are designed to bridge the gap between classroom learning and the evolving demands of the industry.

Recognizing the significance of effective communication, teamwork, and leadership skills, the institute offers soft skills training modules. These workshops not only bolster students' employability but also contribute to their overall personal and professional development. To further prepare students for the job selection process, the institute organizes mock interview sessions and resume-building workshops. These practical sessions empower students to present themselves effectively to potential employers.

Moreover, the institute collaborates with professional bodies, student chapters, and departmental associations to conduct workshops led by professionals from diverse sectors. These workshops play a pivotal role in setting skill standards and exposing students to a wide range of relevant topics. In sum, the institute's holistic approach to skill development equips students with the tools and experiences needed for success in both academia and their future careers.

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

The institute wholeheartedly commits to the effective integration of

the Indian knowledge system, guided by its core values of trustworthiness, holistic development, accountability, creativity, and innovation. This commitment is evident in various aspects of the institute's culture and practices.As part of our cultural celebrations, the institute enthusiastically observes festivals like Ganesh Utsav, Gajanan Maharaj Pragat Din, Rishipanchami, and Ram Navmi, fostering a sense of unity and cultural richness among the community.

Each day at the institute commences with a prayer and meditation session, setting a positive and contemplative tone for the day, which contributes to the overall well-being of students and staff.

To nurture artistic talents, the institute has established a dedicated music center where students receive instruction in Indian classical music from a skilled instructor, providing them with a platform to explore their musical interests.

Recognizing the diverse linguistic backgrounds of the students, the faculty employs a blend of English, Hindi, and Marathi languages in teaching, ensuring effective communication and understanding. This inclusive approach embraces the linguistic diversity of the community.

Furthermore, the institute annually publishes the "Tatwadarshi" magazine, reflecting its commitment to linguistic diversity by 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, promoting the rich linguistic tapestry of the institute.

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

A paramount focus at SSGMCE is the implementation of Outcome-Based

Education (OBE). This educational approach is cantered on equipping students with practical skills, knowledge, and competencies that are directly relevant to the demands of the real world. By aligning our curriculum, teaching methods, and assessments with specific learning outcomes, we ensure that our graduates are not only well-prepared to excel in their chosen fields but also to make meaningful contributions to society. Our dedicated emphasis on OBE shifts the focus from simply delivering content to measuring the actual achievements of our students.

This approach involves several key steps, including clearly defining the learning objectives for each course, mapping these objectives to industry requirements, and designing instructional strategies that foster active learning, critical thinking, and problem-solving skills.

SSGMCE adheres to a structured framework consisting of Program Outcomes (PO), Program Specific Outcomes (PSO), and Program Education Objectives (PEO) for every program we offer. These benchmarks are effectively met through a holistic teaching-learning process complemented by comprehensive supplementary programs hosted by the institute. For each course, we establish well-defined course outcomes (CO) that align with POs and PSOs. The assessment tools are thoughtfully crafted to address the requirements of POs, ensuring a thorough evaluation of students' progress. To achieve our POs and PSOs, various activities and programs are organized within the institute. At the end of each semester, a detailed analysis of CO, PO, and PSO attainment is conducted by each department.

20.Distance education/online education:

The institute consistently adheres to the guidelines set by our affiliating university, SGBAU. Traditionally, all lectures and practical sessions are conducted in an offline (physical) mode, aligning with the prescribed curriculum. However, the institute recognizes the need for flexibility and accommodates students who are engaged in internships or field projects for either a semester or an entire year. For such cases, distance learning options are made available.

Distance learning at the institute is facilitated through a variety of technological tools, including online platforms, video conferencing, emails, discussion forums, and multimedia presentations. This approach allows learners with work commitments or other constraints to access course materials and engage in interactions without the need for physical attendance.

During the Covid-19 pandemic, the institute swiftly adapted to the circumstances. Faculty members conducted lectures and practical sessions using online platforms such as Microsoft Teams, Google Meet, and Zoom. They uploaded course syllabi and study materials, including notes, PowerPoint presentations, and question banks, onto Microsoft Teams. Internal assessments were conducted through MCQ-based online assignments, quizzes, and unit tests. End-semester examinations were conducted following SGBAU's guidelines, ensuring a successful transition to online assessments. Practical sessions were also conducted effectively through online means, with faculty members creating and sharing instructional videos on platforms like YouTube.

Innovation continued to thrive in the online environment, with the institute organizing guest lectures by industry experts and webinars on various subjects. Despite the challenges, co-curricular and extracurricular activities successfully continued in the online setting.

The institute's library demonstrated adaptability by providing students with remote access to research papers and e-books, ensuring that valuable resources remained accessible. Seminars and project evaluations were conducted through Microsoft Teams, and ICT tools and Google Drive were effectively utilized to ensure a seamless continuation of learning.

Extended Profile

1.Programme

1.1	**261**
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	**562**
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	**219**
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	**563**
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	**100**
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	

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)	**470.09 Lakhs**
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	[View File](#)
Link for Additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR2022/1.1.1-merge1.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 key dates and events are included in the academic calendar. 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.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/AQAR2022/112-merged_compressed.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)

28

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

657

File Description	Documents
Any additional information	**No File Uploaded**
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 (PE):

Professional Ethics is integrated into the curriculum as a dedicated course. Industry experts, ethicists, and professionals are invited to deliver guest lectures and workshops on Professional Ethics, sharing practical insights and experiences related to ethical challenges in corporate fields. Students are encouraged to undergo internships, projects, or workshops that expose them to real-world ethical scenarios in engineering practise.

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 during student meetings.

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.

A gender audit is conducted at the institute level.

Environment and Sustainability

The curriculum includes courses such as environmental studies, sustainable development, and resource 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.

Energy-efficient practices are encouraged

File Description	Documents
Any additional information	No File Uploaded
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	<u>View File</u>
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	<u>View File</u>

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

603

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

1.4 - Feedback System

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

File Description	Documents
URL for stakeholder feedback report	<u>https://www.ssgmce.ac.in/uploads/AQAR/AQAR2022/1.42-FB_analysis_ATR_final_website-21-22.pdf</u>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<u>View File</u>
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	**No File Uploaded**
URL for feedback report	https://www.ssgmce.ac.in/uploads/AQAR/AQAR2022/1.41-FB_report-2021-22-Final_website.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

562

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

228

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://www.ssgmce.ac.in/uploads/AQAR/AQAR2022/221-merged.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
2002	100

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 is committed to providing a student-centered

education, with a strong emphasis on experiential and participatory learning methods to enhance the educational journey of its students. Experiential learning takes various forms, including laboratory experiments, industrial visits, computer simulations, internships, prototype development, and mini-projects. Additionally, students are encouraged to participate in hackathons, which nurture their innovative problem-solving abilities.

To assess student performance comprehensively, the institute utilizes a Tool for Evaluation and Assessment of Student Competence (TEC). This assessment tool encompasses multiple components such as the development of new experiments, mini-projects, fieldwork, and computer simulations or case studies. These elements collectively provide valuable opportunities for experiential learning. Throughout the academic year, students actively engage in projects, seminars, and internships, further enriching their learning experiences. Moreover, students are encouraged to actively participate in various student associations and organizations, fostering a well-rounded education that goes beyond the classroom.

In fostering participatory learning, the institution orchestrates a variety of activities, including group discussions and debates. These initiatives create a dynamic platform for students to actively engage with one another and exchange ideas. Furthermore, students are strongly encouraged to contribute to the academic discourse by submitting their research papers to reputable journals and conferences. This multifaceted approach not only enriches their learning journey but also cultivates critical thinking and effective communication skills.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR2022/231-merged.pdf

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

In each department, a wide range of ICT-enabled tools is harnessed to enhance the effectiveness of the teaching-learning process. These tools encompass multimedia presentations, educational websites, online simulations, and interactive software applications. This versatile approach enables teachers to cater to diverse learning

styles, making it easier for students to grasp complex concepts. Digital assessments and online quizzes are a routine part of the learning process. Faculty members utilize blogs to communicate essential information, share resources, assign tasks, and provide updates to their students. PowerPoint presentations are employed to elevate the teaching-learning experience, offering a visually organized method of delivering information.

During the pandemic, many faculty members took the initiative to create course-related videos on platforms like YouTube and shared materials through Microsoft Teams. The institution has been proactive in implementing various ICT initiatives to ensure a seamless online learning experience. This includes the integration of LCD projectors and web cameras in classrooms and laboratories, enabling a hybrid mode of learning. To conduct engaging online lectures, XP Pens were used, allowing teachers to vividly illustrate concepts, equations, and diagrams. The institution places significant emphasis on fostering 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	No File Uploaded

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

100

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

2.4 - Teacher Profile and Quality

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

100

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

31

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

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

2.4.3.1 - Total experience of full-time teachers

14

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 meticulously plans its academic calendar to provide students with clear guidance throughout the academic year. Right from the beginning of each semester, students are provided with detailed information about the assessment methods that will be utilized. For internal theory assessments in undergraduate courses (15 marks), the evaluation comprises two class tests (10 marks), an assignment (5 marks), and attendance (5 marks). These class test question papers are thoughtfully designed to cover various learning levels and course outcomes. Each semester, students are informed about the assessment methods at the outset, and the internal marks scheme is readily available on the institute's website. Furthermore, students are given access to their class test answer sheets, promoting transparency. Class test marks are promptly uploaded to the SIS portal for easy reference..Term work, including practical laboratory assessments (20 marks), occurs continuously during the semester, evaluated through institute-level rubrics.. Additionally, a lab test is conducted to prepare students for university practical exams. Project progress is consistently monitored, with the guidance of rubrics that are shared with students in advance to help them prepare effectively. This comprehensive approach to assessment underscores the institute's commitment to fair evaluation and holistic learning, ensuring that students have a clear understanding of how they are being assessed and promoting transparency in the evaluation process

File Description	Documents
Any additional information	View File
Link for additional information	https://www.ssgmce.ac.in/uploads/AQAR2022/251-rev-merged.pdf

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

The institute employs a comprehensive range of methods for internal assessment, ensuring a transparent and supportive approach to evaluating student performance. This includes unit tests, assignments, and lab session term work. Students have the opportunity to review their assessed test papers for self-assessment, and their marks are promptly communicated.

Incorporating a variety of assignment components, such as tutorials,

quizzes, open-book tests, and new experiment development, allows for a thorough evaluation of students' learning levels. The use of well-defined rubrics in the assessment process ensures consistency and fairness. Additionally, students receive their evaluated assignments, promoting transparency and providing an avenue for addressing any concerns. The assessment of lab experiment performance is guided by lab rubrics, even in the online learning environment facilitated by platforms like Microsoft Teams. Project and seminar evaluations involve faculty panels following shared rubrics, offering valuable insights to students regarding 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/AQAR2022/251-merged.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/AQAR2022/2.6.1-merged.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 attainment , seminars, and projects. Indirect assessment involves alumni survey , 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/AQAR2022/262-merged.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

492

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/AQAR2022/263-merged.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-2021-22_report%20_final.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)

23.69

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

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

3.1.2.1 - Number of teachers recognized as research guides

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

05

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	**No File Uploaded**
Paste link to funding agency website	https://www.ssgmce.ac.in/uploads/AQAR/AQAR2022/313-merged.pdf

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	[View File](#)
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR2022/3.2.1%201-merged.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

35

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

3.3 - Research Publications and Awards

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

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

12

File Description	Documents
URL to the research page on HEI website	**Nil**
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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

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

68

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

58

File Description	Documents
Any additional information	**No File Uploaded**
List books and chapters edited volumes/ books published (Data Template)	[View File](#)

3.4 - Extension Activities

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

SSGMCE is deeply committed to instilling social awareness in its students through both the curriculum and extension activities. The institution organizes a wide range of initiatives, including blood donation camps, educational awareness programs, and gender equality programs, all aimed at raising awareness among the local community. To achieve these goals, the college effectively operates the National Service Scheme (NSS), Unnat Bharat Abhiyaan (UBA), and the National Cadet Corps (NCC).

Through these units, the college conducts diverse extension activities within the neighbouring community, sensitizing students to important social issues. For example, the units organize clean-up events in which students collaborate with community members to improve the cleanliness of streets and villages. Health and hygiene workshops are also conducted in local schools and community centres, where students learn about proper handwashing techniques, personal hygiene practices, and the importance of maintaining a balanced diet.

During the pandemic, the NSS unit organized a Covid Vaccination Camp for the entire community and conducted a Water Conservation Competition for students.. Additionally, the NSS unit provided guidance to farmers on various agricultural issues. The institution also distributed essential supplies such as sanitizers, masks, tablets, etc., to support underprivileged families in the community. To raise awareness about cybercrimes, the NSS unit conducted a Cybercrime Awareness Program for students.

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/AQAR2022/3.4.1-%203.4.3._3.4.4_NSS_Activities.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

5

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

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

16

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)	<u>View File</u>

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

227

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	<u>View File</u>

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 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/AQAR2022/4.1.1.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/AQAR2022/4.1.2.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/AQAR2022/4.1.3%20-%20VSM.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)

470.09

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

4.2 - Library as a Learning Resource

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

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/AQAR2022/4.2.1%20Library%20Software%20SLIM21.pdf

4.2.2 - The institution has subscription for the following e-resources 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)

2.01

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

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	<u>View File</u>

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/AQAR2022/4.3.1%202.pdf

4.3.2 - Number of Computers

407

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

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

237.95

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

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

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%20 maintaing.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

1370

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	**No File Uploaded**
Upload any additional information	View File
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

427

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/AQAR2022/513.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

615

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

615

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

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

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

258

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

09

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

21

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

5.3 - Student Participation and Activities

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

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

12

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

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 12154 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/AQAR2022/5.3.2%20Committee%20Composition.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

14

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

5.4 - Alumni Engagement

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

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 12154 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/AQAR2022/5.4.1-2021-22-final.pdf
Upload any additional information	**No File Uploaded**

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

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The 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 has been developed by institute to define the strategies for enhancing the quality of education, driving innovation, strengthening industry collaborations, and fostering the holistic development of its students.

File Description	Documents
Paste link for additional information	https://www.ssgmce.ac.in/uploads/AQAR/AQAR2022/6.1.1%201_compressed.pdf
Upload any additional information	No File Uploaded

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

Effective leadership is observable through various institutional practices, such as decentralization and participative management. These practices are exemplified in the well-established procedures related to academic affairs at SSGMCE. The institution follows a decentralized decision-making process in academic affairs. Instead of centralizing all academic decisions, department heads and faculty members have been empowered to make curriculum-related choices that best align with the needs of their specific engineering programs. In line with the National Education Policy (NEP), skill development courses have been initiated by each department. Each department has the freedom to select the course that best suits its needs. This approach enables each department to tailor its curriculum, course offerings, and teaching methodologies to cater to the unique demands of its field, whether it's electrical engineering, mechanical engineering, or computer science. In department meetings, suggestions are solicited from all faculty members, and after brainstorming sessions, a course curriculum is finalized. The equipment and infrastructure needed for conducting the course, as well as its budget, are determined and submitted to the management for final approval.

Furthermore, regular faculty meetings and committees are established to discuss and deliberate on critical matters such as curriculum revisions, faculty development initiatives, and research directions. Faculty members from various departments are encouraged to actively participate and contribute their insights to collectively shape the college's academic direction.

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, and developing and sustaining state-of-the-art infrastructure.

As per the defined strategic goal of providing state-of-the-art facilities for research and learning, the institute has taken the initiative to establish a new FAB Proto Academy. The execution of this plan was initiated by first providing training to faculty members. To this end, five faculty members were sent to a six-month diploma course in Digital Fabrication (Fab-Lab) at Vegan Ashram in Pune. These faculty members completed an intensive six-month curriculum, which covered how to conceptualize, create, and prototype products using digital fabrication tools and equipment. The multidisciplinary program allows individuals to transform small ideas into prototypes through hands-on learning. The curriculum includes Web Development, Computer-aided Design, Computer-controlled Machine Programming, PCB Designing, Embedded System Designing, IoT Development, AI & Machine Learning, and a final project. Following that, the institute established the Fab Proto Lab, a cutting-edge facility equipped with a wide array of digital fabrication tools. This impressive lineup includes 3D printers, laser cutters, CNC routers, an electronics workbench, a PCB milling machine, and a vinyl cutter. These tools allow anyone to express their ideas through technology, and the lab is prepared to provide the necessary knowledge to students.

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	https://ssgmce.ac.in/uploads/pdf/Statgic%20Plan_website.pdf
Upload any additional information	View File

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

The 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	**No File Uploaded**
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The institution 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

10

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

10

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

66

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	[View File](#)
Details of teachers attending professional development programmes during the year (Data Template)	[View File](#)

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

The institution employs a Faculty Performance Appraisal and Development System similar to UGC's Academic Performance Index (API) to assess faculty performance annually. The system encourages faculty, promoting professional growth and knowledge.

The appraisal process considers four key aspects: teaching,

learning, and evaluation performance against workload; involvement in co-curricular, extension, and professional development activities; engagement in research, publications, and academic contributions; and official conduct, along with relevant awards or activities.

Faculty members submit 360 Appraisal Forms to Heads of Department (HODs). HODs assess these and prepare Teaching Learning Process Evaluation Sheets. These, along with Appraisal Forms, go to the principal. The principal evaluates the Annual Confidential Report (ACR) and claimed API scores with evidence. The ACR is submitted to the Managing Director for 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	View File

6.4 - Financial Management and Resource Mobilization

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

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/pdf/College%20Financial%20Statement%202021-22.pdf
Upload any additional information	View File

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)

2.86

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

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

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

One of the key initiatives undertaken by the IQAC is to organize FDP/STTP/workshops related to research and development activities. These efforts have yielded several noteworthy programs, such as Qualitative Research Methods and Academic Writing, a Lecture Series combined with Hands-On Training focusing on Effective Utilization of

Tools for Research and Publication, sessions providing information on Application for Funding Opportunities, and guidance on Writing Successful Grant Applications, Product Design, Development, and Implementation. These initiatives have greatly enriched the skillsets and knowledge base of faculty members. In total, the institute has organized 41 such programs to enhance the teaching and research skills of the faculty. These programs have proven beneficial to many faculty members, including those pursuing PhDs.

Another initiative undertaken by IQAC is to frame the R&D policy with the purpose of creating a vibrant atmosphere to promote research among students, faculty, and researchers. The Chief R&D Coordinator framed the policy in accordance with the Vision and Mission of the institute.

To foster a culture of research amongst the faculty members and students, some motivational measures are proposed, which are hereinafter referred to as Best Practices for Research and Publications. This research policy aims to increase research productivity among faculty and researchers. It sets expectations for research output, encourages collaboration, and allocates resources effectively, resulting in more publications, projects, and innovations.

Thus, IQAC has been instrumental in developing a comprehensive framework for quality assurance that aligns with the institution's goals and mission.

File Description	Documents
Paste link for additional information	https://www.ssgmce.ac.in/uploads/pdf/R&D_POLICY_SSGMCE.pdf
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

In an effort to enhance experiential learning for students, the IQAC recommended the compulsory inclusion of student publications as part of their final-year projects. This recommendation aims to address multiple program outcomes, depending on the nature of the research. Writing and publishing research articles in journals require effective communication skills, thereby aligning with one of the

program outcomes. It also showcases students' ability to acquire engineering knowledge and apply it to research projects and scholarly articles.

As a result of this initiative, every department within the institution has taken proactive steps, leading to a notable increase in student publications. On average, each department has achieved approximately 12 publications.

Following the guidance provided by the expert committee from the NBA team, the IQAC has created a roadmap for continuous improvement. This roadmap includes the collection of data pertinent to COs and POs attainment, sourced from various channels including assessments, examinations, feedback from students, and evaluations conducted by faculty members. The collected data is subjected to rigorous analysis to determine the current level of CO and PO attainment, with a keen focus on identifying any gaps. Subsequently, a strategic action plan is designed to bridge these identified gaps effectively. This plan encompasses specific strategies and activities tailored to enhance the attainment of COs and POs. A thorough review of the entire process is undertaken by the Program Assessment Committee of each department, and the committee compiles a comprehensive report, including supporting evidence, for each PO and submits it to IQAC.

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	**Nil**
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

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.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 Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**A. 4 or All of the above**

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

degradable and non-degradable waste

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	No File Uploaded
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

A. Any 4 or All of the above

vehicles
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

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

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

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	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	C. Any 2 of the above

reading material, screen	reading

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

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

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

Here are some of the initiatives we have undertaken:

Institute organize regular cultural exchange events and programs where students from diverse backgrounds can showcase their traditions, art, and cuisine, promoting cultural understanding and appreciation.

Institution offer support for students from different language backgrounds to help them learn and communicate effectively, ensuring that everyone has equal opportunities for success.

students from different language backgrounds learn and communicate effectively, ensuring everyone has equal opportunities

Institute have student-led clubs and societies that focus on inclusivity, celebrating diversity, and promoting social cohesion.

Institution actively engages in community service and outreach programs to bridge gaps and build strong relationships with neighboring communities.

cultural festivals and holidays from various traditions, are celebrated encouraging students to share their customs and creating a sense of belonging for everyone.

Institution have student-led support groups for various communities, offering a safe space for students to discuss their unique challenges and experiences.

These initiatives collectively contribute to creating an inclusive environment where every member of our institution feels valued, respected, and welcome.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	**No File Uploaded**
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 sensitize students and employees of the institution to the constitutional obligations, values, rights, duties, and responsibilities of citizens, the institute organizes various activities:

- Celebration of Constitution Day: The institute celebrates Constitution Day, commemorating the adoption of the Indian Constitution.

- Workshops and Seminars: Workshops and seminars are conducted to delve into constitutional values, rights, and duties. These sessions explore various aspects of the constitution, including fundamental rights, directive principles, and the preamble.

- Legal Awareness Programs: The institution conducts legal awareness programs to educate participants about their legal

rights and responsibilities as citizens.

- **Documentary Screenings: Documentary screenings related to the constitution and civic responsibilities are organized, followed by discussions and reflections.**

These initiatives collectively contribute to enhancing awareness and understanding of constitutional principles and citizenship responsibilities among students and employees.

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

The institute actively celebrates various national and international commemorative days, events, and festivals to promote cultural diversity and awareness.

Independence Day: Celebrated on August 15th to commemorate India's independence from British rule.

Republic Day: Celebrated on January 26th to honor the adoption of the Indian Constitution.

International Women's Day: Celebrated on March 8th to recognize and celebrate the achievements and contributions of women worldwide.

World Environment Day: Observed on June 5th to raise awareness about environmental issues and promote environmental conservation.

Teacher's Day: Celebrated on September 5th to honor and appreciate the role of educators in society.

Engineer's Day: Engineer's Day honors the contributions of engineers to society

National Science Day: Celebrated on February 28th to honor Sir C.V. Raman's Nobel Prize-winning discovery. Institutions often organize science exhibitions, seminars, and quizzes to encourage scientific curiosity.

Holi: The Festival of Colors is celebrated with enthusiasm, where people play with colored powders and water to signify the triumph of good over evil.

International Yoga Day: Celebrated on June 21st, International Yoga Day promotes the physical, mental, and spiritual benefits of yoga

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 channelled 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_BestPractices.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

Plan of Actions for Academic year 2022-2023

To participate in National Institutional Ranking Framework (NIRF) Rankings

To foster a culture of continuous improvement, utilizing feedback and data to make informed decisions that enhance the quality of education and services.

To prepare for an evaluation by the National Board of Accreditation (NBA) to ensure compliance with their standards.

To submit the Annual Quality Assurance Report (AQAR) and pursuing accreditation from the National Assessment and Accreditation Council (NAAC).

To organize programs that sensitize both staff and students to their constitutional responsibilities.

To boost the number of patents and copyrights generated by institution.

To establish laboratories with support from industry partners.

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

To offer an increased number of skill development programs that align with the National Education Policy (NEP) 2020.

To inspire and motivate students to participate actively in external project competitions.

To establish an Academic Bank of Credit to benefit newly admitted students.

To create and publish an international journal to showcase our research and academic contributions.

To create and publish an international journal to showcase our research and academic contributions.

Plan to host both national and international conferences to promote knowledge exchange and academic collaboration.