



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		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 own campus		Yes
Phone no/Alternate Phone no.		919422182216
Mobile no.		9422182216
Registered Email		principal@ssgmce.ac.in
Alternate Email		F_3121013@ssgmce.ac.in
Address		SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING Khamgaon Road, SHEGAON
City/Town		Shegaon
State/UT		Maharashtra
Pincode		444203

<b>2. Institutional Status</b>	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr A.U.Jawadekar
Phone no/Alternate Phone no.	919766824978
Mobile no.	9766824978
Registered Email	iqac@ssgmce.ac.in
Alternate Email	F_3121039@ssgmce.ac.in

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.ssgmce.ac.in/uploads/AOAR/AOAC_report-submitted_2016-17.pdf">https://www.ssgmce.ac.in/uploads/AOAR/AOAC_report-submitted_2016-17.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.ssgmce.ac.in/calendar.php">https://www.ssgmce.ac.in/calendar.php</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	B	2.81	2010	28-Mar-2010	28-Mar-2015
1	B+	78.25	2003	21-Mar-2003	21-Mar-2008

<b>6. Date of Establishment of IQAC</b>	10-Jun-2003
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<b>7. Internal Quality Assurance System</b>
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Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Organization of Esummit	16-Sep-2017 2	1500
Curriculum development, and practicing innovative methods teaching-learning	01-Jul-2017 365	1540
Facilitating the accreditation and quality assessment processes of the institution	01-Jul-2017 365	200
organizing workshops, seminars, and training programs to enhance the professional development of faculty members and staff.	16-Jan-2018 1	300
Organization of grand Alumni Meet	13-Jan-2018 1	385
Promoting community engagement and social responsibility initiatives within the institution	27-Nov-2017 2	36

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[View Uploaded File](#)

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
<b>No Data Entered/Not Applicable!!!</b>				
<b>No Files Uploaded !!!</b>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Conducting comprehensive assessments of various aspects such as academic programs, administrative processes, infrastructure, and student services
Established mentoring programs, counselling services, career guidance programs, and student feedback systems to address the holistic needs of students.
Actively participated in the development and review of curricula to ensure their relevance and alignment with industry requirements and emerging trends
Implementing effective feedback mechanisms to collect input from students, faculty, staff, and other stakeholders
Implemented systems for continuous monitoring and evaluation of academic and administrative processes
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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achievements/Outcomes
To Conduct Internal and External Academic Audits	Academic Audit Committee comprising of Dean Academics, Dean Exam, IQAC coordinator, ISO coordinators is formed.Guidelines were provided to faculty members for preparing their course files, lecture plans, and question papers. A comprehensive audit

	<p>of the department was conducted, including an assessment of its overall performance, strengths, and weaknesses. Individual audits were conducted for each faculty member, reviewing their course files, lecture plans, and question papers. Furthermore, the departments practises in curriculum development, teachinglearning methodologies, research activities, student support services, and industry collaborations were thoroughly reviewed. Specific recommendations were provided for improvement, focusing on enhancing course content, lecture delivery, question paper quality, and overall departmental performance. An external academic audit was conducted by academicians and Industry experts.</p>
<p>Organization of E- summit</p>	<p>Effective channels and strategies were employed to promote the event, enabling it to reach a wider audience. As a result of these efforts, more than 1,000 participants registered for the event. Rashmi Bansal, Nitin Sharma, and Dr. Sunil Rai, along with 15 other guest speakers, guided the students in the E-summit</p>
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<p>Conduction of Community Development Programs</p>	<p>Each department identified the objectives, target beneficiaries, and expected outcomes of the selected community development programs. The Electrical Engineering Department organized a comprehensive program on electrical machines for ITI students. The program covered the fundamentals of electrical machines, including theory and practical aspects. The Electronics Department organised a computer awareness program for 9th and 10th class students of Zilla Parishad School. Interactive sessions were conducted to introduce students to computer basics, including hardware, software, and their applications. The Information Technology Department undertook a 2-day community development program for school students on the topic of hands-on computer fundamentals and their applications. Practical workshops were conducted where students actively used computers and gained hands-on experience with different applications. The contents of each program were comprehensive, ensuring a thorough understanding of the respective subjects.</p>
<p>Organization of Foreign language courses</p>	<p>The institute organized a foreign language course for students, targeting specific student groups that would benefit from learning a foreign language. A qualified instructor, Anjali Karanjkar, a German language expert, was responsible for delivering the course. As a result, 45 participants successfully completed the course.</p>
<p>Oraganization of Research Methodology workshop</p>	<p>To enhance the understanding of research methodologies, the institute organized a workshop on "Research Methodology" for research scholars, students, and faculty. Dr. Manesh Kokare served as an expert for this two-day workshop. A total of 84 participants successfully completed the workshop. To recognise their efforts, certificates of completion were given to participants who successfully completed the workshop.</p>

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<p>14. Whether AQAR was placed before statutory body ?</p>	<p>Yes</p>
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Name of Statutory Body	Meeting Date
Academic Council	09-Aug-2018
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	15-Dec-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>SSGMCE has developed its own inhouse Management Information System (MIS) software. The software incorporates functionalities of both the student information system and the management information system, enabling various academic and administrative tasks to be performed. This system efficiently manages the entire academic journey of students, from enrollment to graduation. Currently, the system consists of the following modules:</p> <p>Registration Module: This module collects and manages admission inquiries, as well as handles the registration process for applicants. Students admission lifecycle is captured in a unified database. The college follows the admissions process set by the Director of Technical Education (DTE). When a student seeks admission, a unique admission number is assigned through the SAP software program. Using this number, the student generates credentials through the Student Information System (SIS). These credentials are then used to log in to the system.</p> <p>Timetable Management Module: This module records the teaching load of faculty members and maintains a class schedule. It facilitates the entire teaching and learning process by managing teaching schemes, courses, and faculty student allocations.</p> <p>Student Attendance Module: This module is used to record the</p>



subjectwise or daily attendance of students. It provides attendance reports on a daily, datewise, and studentwise basis. Analysing and generating attendance reports for the entire institution, including daily, monthly, and semester attendance, has become simpler and quicker. The system also sends attendance reports to parents through SMS, notifying them of their wards absence from college. Monitoring student attendance has become an easier task. Examination Management Module: This module encompasses various activities related to the configuration, conduct, and final calculation of internal marks for students across all departments. It collects data for class tests, assignments, and attendance and computes the final internal marks for all courses Overall, the MIS software developed by SSGMCE streamlines administrative and academic processes, enhancing efficiency and effectiveness in managing student information and institutional tasks.

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institute is affiliated to Sant Gadge Baba Amravati University, Amravati. The Board of Studies (BOS) of Engineering and Management designs and prepares the curriculum for the programme as per the guidelines issued by AICTE/UGC. The institute ensures effective curriculum delivery through systematic and transparent mechanisms. The institute follows the academic calendar issued by the university and executes it rigorously. The Heads of Departments conducts the meetings to distribute workload, allot subjects, plan the activities of the department. Dean Academics reviews the syllabus completion status after each class test. Principal monitors effective implementation of curriculum through meetings with HODs. Lesson plan and Lecture plan is prepared by the faculty at the beginning of the semester . Faculty identifies the intended learning outcomes for each course. Assessment methods are in line with the course objectives and effectively measure whether students have achieved the desired learning outcomes. Institution has appropriate learning resources to support curriculum delivery. This includes textbooks, reference materials, digital resources, laboratory equipment, and technological tools. For tracking curriculum delivery and student progress, faculty maintains records of curriculum frameworks, lesson plans, assessments, and student outcomes. This documentation helps in monitoring the effectiveness of teaching strategies, identifying areas for improvement, and ensuring accountability. Continuous professional development opportunities are provided to teachers and staff to enhance their instructional skills, knowledge of the curriculum, and effective

use of teaching methodologies. A regular evaluation, such as formative and summative assessments, provides feedback on student learning. Feedback from students, teachers, industry professionals, alumni, students, and academic experts is collected and considered for ongoing improvements. Involving a variety of stakeholders helps identify the curriculum gaps and ensure that the curriculum remains relevant to industry needs. To bridge curricular gaps, the institution organizes add-on courses that align with industry requirements and emerging trends. Students have the opportunity to connect theoretical concepts with real-life experiences through internships and industrial visits. Regular guest lectures by industry and academic experts are planned to provide valuable insights. Workshops and training sessions are arranged to enhance students' skills. Soft skill development programs are organised to improve interpersonal skills and overall personality development. The institution also promotes holistic development and physical well-being through various sports and cultural activities for students.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Industrial Automation	Nil	25/07/2017	10	Employability	Programming and operating PLCs, which are widely used in industrial control systems.
Embedded Systems and Internet of Things	Nil	06/11/2018	21	Employability	skill involves writing code to control hardware peripherals, handle inputs and outputs, and implement various functionalities.
CFD Software	Nil	09/12/2017	3	Employability	skills related to fluid flow simulation and analysis
Finite element analysis	Nil	01/06/2018	15	Employability	Understanding of solid mechanics principles and structural analysis concepts. This

Geometric Dimensioning and Tolerancing	Nil	09/02/2018	15	Employability	includes topics such as stress, strain, material properties, equilibrium, deformation, and failure theories. Comprehensive understanding of engineering drawing practices, symbols, and conventions. This skill allows to interpret and create accurate engineering drawings that incorporate GDT principles.
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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View Uploaded File</a>		

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Science and Engineering	01/07/2017
BE	Electrical Engineering (Electronics and Power)	01/07/2017
BE	Electronics and Telecommunication Engineering	01/07/2017
BE	Information Technology	01/07/2017
BE	Mechanical Engineering	01/07/2017
ME	Computer Engineering	01/07/2017
MBA	Marketing	01/07/2017

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	367	Nil

### 1.3 – Curriculum Enrichment

#### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Recent trends in Industries of CSE/IT"	23/06/2017	90
Research Methodology	23/08/2017	76
Ethical Hacking,	09/09/2017	52
Entrepreneurship awareness Camp	19/01/2018	356
Embedded Systems, IoT and Big Data	09/03/2018	72
Soft skills	14/09/2017	856
<a href="#">View Uploaded File</a>		

#### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Science and Engineering	57
BE	Electrical Engineering (Electronics & Power)	70
BE	Electronics and Telecommunication Engineering	70
BE	Information Technology	67
BE	Mechanical Engineering	65
MBA	Master of Business Administration	39
<a href="#">View Uploaded File</a>		

### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

#### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The institution has a structured approach to collecting and analysing feedback from various stakeholders, including students, alumni, employers, and parents. Students Feedback: In a semester, oral student feedback regarding teaching and

learning is collected by an internal committee of the institute and by an external agency. Computerised feedback is also collected using in-house developed software. The feedback is shared and discussed with subject teachers by the respective head of the department. Feedback on various facilities in the institute, such as the hostel, mess, canteen, library, and administration, is collected in student council meetings. Alumni Feedback: The institute arranges annual alumni meet where feedback is taken from alumni about the institutes facilities. Suggestions and contributions for the overall development of the institute are also sought. The alumni feedback is analysed, and necessary measures are taken. Employers Feedback: The institute collects feedback from employers regarding the technical competency, soft skills of students, and the facilities of the institute. Measures are taken based on the employers feedback to improve the system. Parents Feedback: The institute arranges an annual Parents Meet where feedback is taken from parents about the teaching-learning process and the facilities of the institute. The parents feedback is analysed, and necessary measures are taken. The collected feedback is thoroughly analysed and evaluated to identify areas for improvement. This analysis can be quantitative (e.g., rating scales, numerical data) or qualitative (e.g., comments, suggestions). Through the analysis process, the institution identifies its strengths and weaknesses based on the feedback it receives. Based on the identified strengths and weaknesses, the institution develops action plans to address the feedback. These plans outline specific steps and strategies to enhance the identified strengths and improve the weaknesses. The plans may include changes to the curriculum, teaching methods, facilities, support services, or other relevant areas. Action plans are put into effect by relevant stakeholders, such as faculty, administrators, and support staff. The necessary measures are implemented to address the identified issues and improve the institution accordingly.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Science and Engineering	60	62	62
BE	Electrical Engineering (Electronics and Power)	60	63	63
BE	Electronics and Telecommunication Engineering	120	125	125
BE	Information Technology	60	63	63
BE	Mechanical Engineering	60	63	63
ME	Computer Engineering	18	17	17
ME	Electrical Power System	18	9	9

ME	Digital Electronics	30	10	10
ME	Advanced MFG Mechanical System Design	24	5	5
MBA	Master of Business Administration	60	60	60

[View Uploaded File](#)

## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	1682	176	85	13	98

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
98	98	14	22	0	10

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Shri Sant Gajanan Maharaj College of Engineering, Shegaon, has a well-defined and effective mentoring system with the objectives of inculcating discipline, punctuality, and motivation among the students. The system provides a reliable and comprehensive support system to motivate students and enables parents to stay informed about the performance and regularity of their wards. Details of the mentoring system are as follows: Each faculty member in the department serves as the mentor for a group of 18-20 students. The same group of students will have the same mentor throughout their graduation period. Mentors and mentees engage in regular one-on-one meetings or group sessions. These meetings provide mentees with opportunities to discuss their academic progress, challenges, goals, and aspirations. Mentors closely monitor the academic performance of their mentees. They review the attendance records periodically and address any lapses with the competent authority. Mentors also review examination results and provide necessary guidance to help mentees catch up if they are falling behind. Mentors offer guidance, share their experiences, provide feedback, and assist mentees in navigating their academic journey. They help mentees understand course requirements, select appropriate classes, and develop effective study strategies. Mentors may provide subject-specific guidance, recommend resources, or offer tutoring support. They also help mentees explore career options, develop professional skills, and navigate internship or job search processes. Mentors provide insights into industry trends, networking opportunities, interview preparation, and mentorship for specific career paths. Mentors support mentees in developing essential life skills, fostering self-confidence, and managing personal challenges. They offer guidance on time management, stress management, work-life balance, and overall well-being. Mentors also ensure that mentees are familiar with the values and policies of the institute. The principal and Dean Academics conduct periodic evaluations to ensure the success of the mentoring system and identify areas for improvement. The mentoring relationship is maintained throughout the mentees academic journey, ensuring continuity of support

Number of students enrolled in the

Number of fulltime teachers

Mentor : Mentee Ratio

institution		
1858	98	1:19

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
104	98	6	4	17

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Dr. S. R. Paraskar	Professor	Member, BOS-Electrical Engg Sant Gadge Baba Amravati University, Amravati
2017	Mr. R. S. Pote	Associate Professor	Reviewer, International Journal for Innovative Research in Science Technology. (IJIRST)
2017	Dr. A. U. Jawadkar	Associate Professor	Reviewer, International Journal of Electric Power Component and System (EPCS) Taylor Fransis Group
2017	Mr. S. S. Jadhao	Assistant Professor	Reviewer, Turkish Journal of Electrical Engineering Computer Sciences. Turkey.
2017	Mr. R. S. Kankale	Assistant Professor	Reviewer, International Journal of Research in Electrical Engineering (IJREE)
2017	Dr. M. N. Tibdewal	Professor	Reviewer for IEEE Transaction on Biomedical Instrumentation - SCI Indexed.
2017	Mr. P. R. Wankhede	Assistant Professor	Best Branch Councilor and Faculty advisor

			Award IEEE New York
2017	Prof. A. S. Manekar	Assistant Professor	Editor at the International Journal of Research in Computer Information Technology (IJRCIT) e-ISSN: 2455-3743.
2017	Prof. A. K. Shahade	Assistant Professor	Editorial Board and Reviewer Committee Member at the International Journal of Advance Research in Computer Science and Management Studies (IJARCSMS)
<a href="#">View Uploaded File</a>			

## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	Nill	I and II	22/12/2017	11/01/2018
BE	Nill	III , V, and VII	28/11/2017	15/01/2018
<a href="#">View Uploaded File</a>				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Shri Sant Gajanan Maharaj College of Engineering . Shegaon is affiliated with SGBAU, and the institute closely follows the syllabus prescribed by the University, incorporating all the introduced reforms. For undergraduate (UG) courses, the internal theory assessment marks (15M) are based on two class tests (10M) and an assignment (5M). The institution has introduced various components such as tutorials, quizzes, open-book tests, and new experiment development to assess students learning levels. Additionally, mini-projects and case studies are incorporated to encourage teamwork and innovative thinking. Students work on these components throughout the semester, which helps them maintain focus, stay engaged with the subject, and enhance their learning capabilities. Evaluation for these components is conducted by the respective course teacher based on predefined rubrics. The class test question paper covers various learning levels and course outcomes (COs). If a student misses a test due to medical reasons or any other genuine circumstances, retests are conducted. The term work, including laboratory practicals, is continuously assessed at the institute level for 20 marks. Students are evaluated based on different parameters as defined by the rubrics. A lab test is also conducted to provide students with prior experience for university practical examinations. Project progress is regularly monitored by each department in both semesters. For postgraduate (PG) courses, the assessment pattern involves 20 marks for internal assessment and 80 marks for external assessment. The internal assessment is based on two class tests and an assignment. Additionally, the institute updates the performance parameters regularly to ensure accurate and



up-to-date monitoring of student progress.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Creating and adhering to an academic calendar for conducting examinations and managing other related matters is crucial for the smooth functioning of the institution. The institute has the practise of preparing the academic calendar, thus ensuring uniformity in the functioning of the institute for all academic programmes. This provides good academic flexibility for the students and the faculty members. 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 , faculty members, and relevant committees, come together to discuss and outline the important dates and events for the upcoming year. As the institute is affiliated with Sant Gadge Baba Amravati University, the institute's calendar is in line with the university's calendar.. 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 initial draft of the academic calendar is prepared, it is shared with relevant stakeholders for review and feedback. This includes deans, HODs, faculty, and administrative staff. Feedback and suggestions are considered, and any necessary revisions are made. The final version of the academic calendar is then approved by the Principal. Once the academic calendar is approved, it is published and communicated to all stakeholders. This is done through the institutions website and official communication channels like email. Throughout the academic year, the institute adheres to the schedule outlined in the academic calendar. 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 academic calendar. Continuous monitoring of the calendar helps identify any necessary adjustments or rescheduling due to unforeseen circumstances.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[https://ssgmce.ac.in/page\\_details.php?page\\_id=40&department\\_id=3](https://ssgmce.ac.in/page_details.php?page_id=40&department_id=3)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
110124210	BE	Computer Science and Engineering	70	68	97
110135610	BE	Electrical Engineering (Electronics & Power)	70	55	78.5
110137210	BE	Electronics and Telecomm	142	130	91.5

		unication Engineering			
110124610	BE	Information Technology	68	60	88
110161210	BE	MECHANICAL ENGINEERING	71	64	90
110110110	MBA	Marketing	19	15	79
10110110	MBA	Finance	25	19	76
<a href="#">View Uploaded File</a>					

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

[https://www.ssgmce.ac.in/uploads/AOAR/SSS-2017-18\\_report\\_inst.pdf](https://www.ssgmce.ac.in/uploads/AOAR/SSS-2017-18_report_inst.pdf)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Students Research Projects (Other than compulsory by the University)	240	Late. B. S. Deshmukh School, Shegaon	0.04	0.04
Students Research Projects (Other than compulsory by the University)	300	City Gossiper, Mumbai	0.01	0.01
Industry sponsored Projects	300	Skipper Pvt Ltd. Sinner MIDC Nashik	0.1	0.1
Industry sponsored Projects	40	Saraswati Auto Components, Aurangabad	0.26	0.26
Industry sponsored Projects	50	M Nand Industries, Akola.	0.8	0.8
Any Other (Specify)	10	Vippasshana Charitable trust, Telhara	0.33	0.33
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### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Seminar on Incubation facilities In House for SPM by Mr. Umesh Kaul , IBM, Pune	Computer Science and Engineering	24/09/2017
Seminar on "Energy Audit Management" delivered by Mr. A. Y. Mehendale (Certified Energy Auditor, Pune)	Electrical Engineering (Electronics and Power)	13/07/2017
Seminar on Industrial Automation by Mr. Pranav Mehar, From Prolific Systems Pvt Ltd. Nagpur	Electrical Engineering (Electronics and Power)	02/08/2017
Seminar on "Testing of EHV Equipments upto 400 kV by Mr Vishal S. Ingle	Electrical Engineering (Electronics and Power)	26/09/2017
Expert Lecture on " Electric Traction" by Mr. S. S. Pawar ( Executive Engineer, IRIEEN Nashik )	Electrical Engineering (Electronics and Power)	09/02/2018
A two days workshop on Ethical Hacking by Mr Ajinkya Lohakare, Social Spectrum, Nasik	Information Technology	09/09/2017
Seminar on Industrial Management and costing	Mechanical Engineering	25/09/2017
Seminar on Geometric Dimensioning Tolerancing	Mechanical Engineering	27/09/2017
Workshop on Internal Combustion Engine	Mechanical Engineering	02/01/2018
Seminar on Lean Tools Techniques	Mechanical Engineering	14/01/2018

### 3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Project Entitled "Electricity Generation from Living Plants" at NES Innovation Award 2018 competition.	Nayan Tale Bhagwat Kasdekar	Natrajan Education Society, Pune	29/03/2018	Student
Project on Health ATM	Prachi Randhe	I2I Competition organised by BHAU Institute at COEP Pune	14/04/2018	Student
Project on Biodynamic	Swapnil Karwande Monika	I2I Competition	14/04/2018	Student

Agriculture	Dipke Prasad Badhe	organised by BHAU Institute at COEP Pune		
Project on COME ON INDIA-LIVE DIGITAL	Vaishnavi Gawande	I2I Competition organised by BHAU Institute at COEP	15/04/2018	Student
Second Prize in Smart India Hackathon 2018 for the Project	Vishal Nechwani	Smart India Hackathon 2018, Government of India	30/03/2018	Student
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### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	Nil	Nil	Nil	Nil
No file uploaded.					

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

#### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Electronics and Telecommunication Engineering	1
Master of Bussiness Administration	2

#### 3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science and Engineering	13	Nil
International	Electrical Engineering	18	3.87
International	Electronics and Telecommunication engineering	12	Nil
International	Information Technology	3	Nil
International	Mechanical Engineering	2	5.13
International	Master of Business Administration	4	Nil
International	Applied Sciences Humanities	3	6.44

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	12
Electrical Engineering (Electronics and Power)	20
Electronics and Telecommunication Engineering	12
Information Technology	2
Mechanical Engineering	1
Master of Business Administration	2
APPLIED SCIENCES AND HUMANITIES	1

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Discrimination between magnetizing inrush and inter turn fault current in transformer: Hilbert transform ANN approach	Dr. S. R. Paraskar	International Conference on global trends in signal processing, information computing and communication. Bhamburi, Jalgaon, 22-24 Dec 2016	2017	Nil	Shri Sant Gajanan Maharaj College of Engineering Shegaon	2
Classification of faults in power system using signal processing approach	Dr. S. R. Paraskar Mr. R. K. Mankar Mr. S. S. Jadhao	International conference on computing communication, control automation, Pune India, Aug-2016	2017	Nil	Shri Sant Gajanan Maharaj College of Engineering Shegaon	Nil
Impact of distributed generation	Mr. R.S. Kankale Second international	Second international conference	2017	Nil	Shri Sant Gajanan Maharaj	Nil

on system stability using PV curve	conference on engineering technology , science and management innovation , Jan 2017	on engineering technology , science and management innovation , Jan 2017			College of Engineering Shegaon	
UVTG Based Dynamic Voltage Restorer For Mitigation of Voltage Sag	Mr. S. S. Jadhao Mr. V. S. Karale	2016 International Conference on Computing Communication Control and automation (ICCUBEA), Pune, 2016, pp. 1-6.	2017	Nil	Shri Sant Gajan	Nil
Application of cepstrum and neural network for induction motor fault diagnosis	Dr. A. U. Jawadekar	International journal of electrical , electronics and data communication ISSN 2320-084, vol. 5, Issue-2 Feb 2017	2017	Nil	Shri Sant Gajanan Maharaj College of Engineering Shegaon	Nil
Enhancement of voltage quality in power system through series compensation	Mr. R. S. Pote	IJSR 23 march 2017	2017	Nil	Shri Sant Gajanan Maharaj College of Engineering Shegaon	Nil
Automatic Vehicle In-Out Monitoring and Control using Raspberry Pi In Forest	V.M.Umale	International Journal of Informative and Futuristic Research	2017	Nil	Shri Sant Gajanan Maharaj College of Engineering Shegaon	Nil

Area						
Implementation Of Energy Harvesting System Using Soil for Agriculture Parameters Monitoring and Controlling Using Iot	Dhiraj P. Tulaskar, Dinkar L. Bhombe	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	2017	2	Shri Sant Gajanan Maharaj College of Engineering Shegaon	1
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Broken rotor bar fault diagnosis of induction motor by signal processing technique	Dr. S. R. Paraskar Mr. S. S. Jadhao	International journal of electrical engineering and technology(IJET), Vol 8, Issue 1, pp,57-67, Feb 2017	2017	1	4	Shri Sant Gajanan Maharaj College of Engineering Shegaon
Smart irrigation system using Internet of things	V. N Bhonge	International Journal of Advance Research in science and Engineering	2017	Nil	2	Shri Sant Gajanan Maharaj College of Engineering Shegaon
Design And Development Of Al Foil Ide Electrode Based Ambient Harvester	K. B. Khanchandani, G. S. Gawande, D. P. Tulaskar, M. L. Bhaiyya	Institute For Smart Structures And Systems, Isss, IISC, Bangalore	2017	Nil	Nil	Shri Sant Gajanan Maharaj College of Engineering Shegaon
Intelligent Washing Machine Using Soft	D. D. Nawgaje	IJARCCCE	2017	Nil	Nil	Shri Sant Gajanan Maharaj College of

Computing						Engineering Shegaon
Performance Analysis of Average power and Power variance features for classification Detection and Localization of Epileptic Multichannel EEG.	M. N. Tibdewal	Microsystem Technology Technology SPRINGER (SCI Index Journal)	2018	Nil	8	Shri Sant Gajanan Maharaj College of Engineering Shegaon
EEG Spectral Analysis on OM Mantra Meditation: APilot Study	B.P.Harne	Applied Psychophysiology and Biofeedback, springer	2018	Nil	39	Shri Sant Gajanan Maharaj College of Engineering Shegaon
Studying Cloud as IaaS for Big Data Analytics : Opportunity, Challenges	Amitkumar Manekar	International Journal of Engineering Technology	2018	1	3	Shri Sant Gajanan Maharaj College of Engineering Shegaon

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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	44	1	Nil
Presented papers	46	1	Nil	Nil
Resource persons	Nil	1	Nil	3

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### 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Tree Plantation	NSS	4	50



Beti Bachao Beti PAdhao Abhiyan	NSS	3	100
Literacy Day Rally	NSS	2	100
Blood Donation Camp	NSS	4	238
Road Safety Abhiyan	NSS	2	100
Learn and Earn Abhiyan ( Mob and Bike Repairing)	NSS	2	100
Krishi Vishayak Mahiti Abhiyan	NSS	2	100
Speech Competition for School Students	NSS	2	100
Cleanliness Drive	NSS	3	100
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donation Camp	Appreciation Certificate	Saibai Mote Government Hospital Shegaon	238
IEEE Student Branch	Best Branch councillor and faculty advisor award	IEEE New york	1
Smart India Hackthon 2018	Runner Up	Ministry of Electronics Information Technology(Meitry)	1
Project Competetion	Third	Natrajan Education Society	1
Elocution Competition	First	Pani Purvatha va Swachata Vibhag Government of Maharashtra and Jilha Parishad Buldana, Panchayat Samiti, Shegaon	1
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS	Adopted	Tree	4	50

	Village Janori NSS Unit Shri Sant Gajanan Maharaj College of Engineering Shegaon	Plantation		
NSS	Adopted Village Janori NS	Beti Bachao Beti PADhao Abhiyan	2	100
NSS	Adopted Village Janori NSS Unit Shri Sant Gajanan Maharaj College of Engineering Shegaon	Literacy Day Rally	3	100
NSS	Adopted Village Janori NSS Unit Shri Sant Gajanan Maharaj College of Engineering Shegaon	Blood Donation Camp	4	100
NSS	Shri Sant Gajanan Maharaj College of Engineering Shegaon	Learn and Earn Abhiyan ( Mob and Bike Repairing)	2	100
NSS	Shri Sant Gajanan Maharaj College of Engineering Shegaon	Road Safety Abhiyan	2	100
NSS	Adopted Village Janori NSS Unit Shri Sant Gajanan Maharaj College of Engineering Shegaon	Krishi Vishayak Mahiti Abhiyan	2	100
NSS	Adopted Village Janori NSS Unit Shri Sant Gajanan Maharaj College of Engineering Shegaon	Speech Competition for School Students	2	100
NSS	Adopted Village Janori NSS Unit Shri Sant Gajanan Maharaj College of Engineering Shegaon	Shramdan	3	100

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### 3.5 – Collaborations

#### 3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research	10	Self	300
Research	6	Self	300
Research	4	Self	30
Research	5	Self	275

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#### 3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Vacational Training on "Electrical Transmission System"	MSETCL, akola	11/06/2018	29/06/2018	16
Industrial Project	Design and Development of Current Transformer	Skipper Pvt. Ltd. Sinnar, Nashik	15/06/2017	15/04/2018	5
Sponsored Project	Healthcare warning system	Value Momentum Hyderabad	01/06/2017	31/05/2018	3
Sponsere	Real Time data analytics using Spark Python required for Industrial IOT	Innovtech Engg., Nashik	01/06/2017	31/05/2018	5
Internship	Inplant Training	Yeshwant Industries, Aurangabad	06/06/2018	21/06/2018	4

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#### 3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Palo Alto Networks	02/08/2018	Placement Internship Lab	302

[View File](#)**CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES****4.1 – Physical Facilities**

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
42.83	125.09

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing

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**4.2 – Library as a Learning Resource**

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SLIM Library Software	Fully	3.9.0.35737	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	50991	1023493	419	214570	51410	1238063
Reference Books	24089	6885649	23	25689	24112	6911338
Journals	Nil	Nil	76	155580	76	155580
Journals	Nil	Nil	477	1403374	477	1403374
CD & Video	2045	406660	13	Nil	2058	406660
Library Automation	Nil	Nil	Nil	27435	Nil	27435
Others (specify)	9577	Nil	26	Nil	9603	Nil

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives &amp; institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
C M Mankar	Presentation on Artificial Inteligence	Microsoft Power Point	15/06/2017
V. S. Mahalle	Object Oriented Programming	Microsoft Power Point	15/06/2017
J. M. Patil	Computer Programming	Microsoft Power Point	20/08/2017
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidt h (MBPS/ GBPS)	Others
Existin g	522	253	522	26	36	73	134	0	0
Added	68	56	56	5	0	6	1	15	0
Total	590	309	578	31	36	79	135	15	0

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

25 MBPS/ GBPS
---------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	Nill

#### 4.4 – Maintenance of Campus Infrastructure

##### 4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilities
161.1	118.03	195.72	247.93

##### 4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institution has adequate infrastructure and facilities for teaching-learning, curriculum, and extracurricular activities. It has excellent physical facilities in the form of residential and academic buildings, library, laboratories, hostels, a yoga and meditation centre, indoor and outdoor sports facilities, etc. The college has the physical facilities for academics, research, co-curricular and extracurricular activities, and sportsWell defined procedures are available within the institute for the maintenance of physical equipment. Standard operating procedures are available for maintaining and utilising physical academic and support facilities. Physical Facilities for Academic activities include e-classrooms, laboratories, and workshops, research laboratories, meeting and drawing halls, the Central Digital Library, the

Communication Skills Lab, training, and the Placement Cell. Additionally, there are departmental libraries available. The institute provides Physical Facilities for Sports and Games, such as a gymnasium center, a badminton court, a table tennis court, a skating hall, a cricket or football ground, a volleyball court, a basketball court, and a tennis court. Other facilities available on campus include a medical dispensary, an ATM, a student consumer and cooperative store, hostels (5 for boys and 3 for girls), residential facilities, and an ambulance. The college utilizes the infrastructure facilities effectively and optimally like Class rooms and laboratories are used to conduct regular academic theory, practical, research work, remedial classes, various trainings value-added courses. Each laboratory has in charge, assistant and attendant and all the laboratory activities maintenance are carried out in coordination with lab staffs. Institute has central state-of-the-art library. Library remains in night hours and on holidays during exam period. All the indoor and outdoor sports activities and its maintenance are managed by Sport Director and his team. Institute forms the Sport Council for the smooth conduction of sports events throughout the year. The institute has an on-grid solar power station of 100 KVA and 320 KVA substation which ensures uninterrupted power supply at the campus. Electrical and Solar Power Plant Maintenance is carried out by its in-charge and team after receiving the complaint.

<https://www.ssgmce.ac.in/>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna(EBC)	181	Nil
Financial Support from Other Sources			
a) National	Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	6	150000
b) International	Nil	Nil	Nil

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skills	14/09/2017	1154	SK Associates, Nashik
Deep Dive into the Memory for your	29/07/2017	36	Mr. Ketan Pachpande, Veritas

Program			Tech., Pune
Remedial Coaching	11/09/2017	70	Faculty SSGMCE
Meditation	21/07/2017	233	Faculty SSGMCE
Student Mentoring System	01/07/2017	1682	Faculty SSGMCE
Yoga	13/06/2017	100	Faculty SSGMCE
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2017	Guest Lecture on GATE Guidance by Mr. Sajeep Pillai, Regional Head Marketing, T.I.M.E., Mumbai on 23/01/2018.	45	0	Nil	Nil
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Tata Consultancy Services Ltd., Pune	266	29	iYASIS Technology, Pune	Nil	1
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
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	higher education				
2017	1	B.E Computer Science and Engineering	Computer Science and Engineering	NIEM - The Institute of Event Management	Event Management
2017	1	B.E Computer Scie	Computer Science and Engineering	Indian Institute of Management, Indore	PG programme in Mangement
2017	1	BE Electrical (Electronics & Power)	Electrical Engineering	Sydenham Institute Of Management Studies & Research & E ntrepreneurs hip Education, Mumbai	MBA
2017	1	BE Electrical (Electronics & Power)	Electrical Engineering	College Of Engineering, Pune	M.TECH(Power Electronics and Power Systems)
2017	1	BE Electrical (Electronics & Power)	Electrical Engineering	NIT Warangal	M.TECH(Power Electronics and Drives)
2017	1	B.E. (Electronics and Telecomm unication Engg.)	Electronics and Telecomm unication Engg.	VIT, Vellore	M.Tech
2017	1	B.E Mechanical Engineering	B.E Mechanical Engineering	IIT Jodhpur	M.Tech
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	5
Any Other	1
<a href="#">View File</a>	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Yoga	University	12
Cultural Programe	Institution	1200
Dahihandi	Institution	1000
Ganesh Utsav	Institution	54



Youth Festival	University	38
Athletics	University	9
Basketball	University	21
Badminton	University	9
Chess	University	6
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	Basket Ball (Colour Coat)	National	1	Nil	303394	Pratiksha Somani
2017	Basket Ball (Colour Coat)	National	1	Nil	303561	Mahesh Tayade
2017	Aerobics (National Level Gold)	National	1	Nil	Nil	Mayuri Gachke
2017	Aerobics (National Level Gold)	National	1	Nil	304154	Vina Bhojar
<a href="#">View File</a>						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Institute has a Student Council, and students actively get involved in various committees. Student Council: The purpose of the Student Council is to serve for the benefit of the student community. It serves as a channel through which the student community can voice their opinions and concerns. The Student Council continuously strives to identify student-related issues and help resolve them, thus building a healthy environment in the institute. The representatives of each class, professional bodies, student chapters, hostels, sports, and cultural committees are members of the Student Council. IQA Cell: Students are part of this committee to ensure the effective implementation of quality initiatives through continuous reviews and periodic meetings. Student representatives provide feedback on various student issues and contribute towards improving the institutes functioning. Professional Bodies and Departments Student Chapters: In professional bodies like ISTE, IEEE, and student chapters, student representatives actively participate by conducting various activities, technical events, and quizzes for students. College Magazine Committee (Tatwadarshi): Student representatives, nominated by the editorial board, help collect articles, poems, drawings, etc., from students. They compose, edit, and take initiative in printing the newsletters at the department level and work on the preparation of magazines at the college level. The faculty of the editorial board guides them through the entire process of

printing and releasing the magazine. Cultural Committee: The institution organises an annual cultural festival, the First Year Inaugural function, and the Farewell function through the Cultural Committee. Student representatives from all departments are members of the core committee. They assist the faculty in organising these events. NSS Committee: Students contributions to society are significant, and SSGMCE students always show their concern in this regard. There is an NSS unit in the institution, and volunteers from this committee organise programs like NSS Camps, blood donation camps, etc. Sports Committee: Student volunteers help the Physical Education Director organise team events at the college and intercollegiate levels. Anti-Ragging Committee: Student representatives play a major role in reporting ragging cases, promoting harmony, and curbing ragging. Anti-Sexual Harassment Committee: Girl students and faculty members are members of this committee. Student members assist the concerned Committee coordinator if any harassment issues require further action. Grievance Committee: Student members of this committee bring any type of grievance regarding common facilities or academic-related issues to the attention of the concerned authorities. Regular interactions through meetings are scheduled, and if any grievances are reported, the faculty member coordinating this committee brings them to the attention of higher authorities. Further, the matters are resolved promptly through follow-ups.

## 5.4 – Alumni Engagement

### 5.4.1 – Whether the institution has registered Alumni Association?

Yes

Shri Sant Gajanan Maharaj College of Engineering, Shegaon, has a registered alumni association functioning under the name MAJI VIDDARTHI BAHUUDDESHIYA SANSTHA, SSGMCE (Reg. No. F\_10852, Buldhana) and has its own governing body. The Alumni Association of Shri Sant Gajanan Maharaj College of Engineering, Shegaon, operates with the following objectives in mind. Firstly, it aims to bring together the alumni of the institution, creating a cohesive network of individuals who have graduated from the college. By fostering a sense of community and connection among alumni, the association seeks to strengthen the bond between past students and the institution. Additionally, the Alumni Association provides opportunities for networking and career development, enabling alumni to connect with one another professionally and explore potential collaborations. Through various events and initiatives, the association also strives to raise funds for the institution, contributing to its growth and development. Keeping alumni informed about the current state and future plans of the institution is another important objective. Regular updates are provided to alumni, ensuring that they remain connected and aware of the colleges progress. The association also recognizes and honors distinguished alumni for their outstanding achievements, celebrating their success and inspiring others. Furthermore, the Alumni Association offers current students the chance to connect with alumni and learn from their experiences. By facilitating interactions, mentorship programs, and industry exposure, students can gain valuable insights and guidance from those who have walked the same path. The association also serves as a platform for alumni to reconnect with former classmates and friends, fostering a sense of camaraderie and nostalgia. It provides opportunities for alumni to give back to their alma mater through volunteering or philanthropy, encouraging them to contribute their time, expertise, and resources to support the institution and its current students. Lastly, the Alumni Association creates a space for alumni to share their knowledge, skills, and expertise with current students and faculty. Through workshops, seminars, and other educational initiatives, alumni can impart their wisdom and contribute to the academic growth of the college community. Overall, the Alumni Association plays a vital role in strengthening the relationship between the college and its alumni, while also facilitating professional

growth, philanthropic endeavors, and knowledge-sharing among its members. The Alumni Association organizes an Alumni Meet at the campus every year. To date, a total of 23 alumni meets have been organized at various places. Since 2015, the meets have been organized at the campus. On this occasion, a newsletter is also published. Additionally, the Alumni Association has launched its own portal (alumni.ssgmce.ac.in). About 11,600 alumni have been part of the member directory.

5.4.2 – No. of enrolled Alumni:

10486

5.4.3 – Alumni contribution during the year (in Rupees) :

413010

5.4.4 – Meetings/activities organized by Alumni Association :

04

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The institute is working under the framework of AICTE, DTE, and Sant Gadge Baba Amravati University, Amravati. The vision and mission of the institute have been decided with active participation from the Principal, HODs, Dean, Alumni, Industry Personnel, employers, parents, faculty members, and students. The Principal, in consultation with the management, sets the direction towards fulfilling the vision and mission through a perspective plan. The institutions policy believes in the involvement of all staff members in decision-making and implementing decentralised decision policies. The institute encourages participative management by involving faculty members in problem-solving and decision-making at various levels, such as CDC, IQAC, and HOD, for the effective growth of the institute. The Principal, in coordination with HODs and senior faculty members, appoints the coordinators and members of the committee. The coordinators review the work of committees for the smooth functioning of co-curricular and extracurricular activities. Academic decentralisation is carried out through the Dean Academics in coordination with HODs and faculty members of various departments. Administrative decentralisation is achieved through the Registrar in coordination with office staff. Student affairs are handled by the Dean, faculty coordinators, and the student council. Two practises of decentralisation and participative management are mentioned below: The college annually organises a national-level technical symposium, Pursuit, and a national-level management symposium, Parishkriti in the even semester. During these symposiums, various technical events, including workshops, paper presentations, project competitions, and technical talks, are organised for Engineering, Polytechnic, and Management students. The Principal, HODs, and senior faculty members appoint faculty coordinators to conduct these symposiums. These platforms provide an opportunity for all students to interact with various eminent personalities in their domain and showcase their hidden skills. The aim is to boost the technical skills and creativity of the students, thereby helping them gain technical and practical knowledge and promoting their talent. The Student Council selection committee, comprising the Principal, HODs, and Faculty In-Charge for Sports, Faculty In-Charge for Cultural, and NSS In-Charge, is formed for the selection of various posts through an interview process. The faculty coordinators, along with the Student Council, conduct meetings and propose plans to form various committees. Computing Facility Development: The requirement of new computers with the

latest configuration was raised by the Computer and IT Department due to the revised syllabus. The laboratory in-charge faculty members initiated the requirement, and the faculty in-charge and HODs prepared a list of the best brands and specifications. Quotations were invited from vendors, and comparative statements were prepared by the HODs of the Computer and IT departments in consultation with the Principal and Registrar. The final approval was obtained from the Management and Governing Council, following which the purchase order was issued. The required number of computers was received by both departments, and quality checks were performed. Therefore, the laboratory in-charge staff, HODs, Registrar, Principal, Governing Council, and the Management were involved in the process of procuring computers, demonstrating decentralization and participative management.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Library, ICT and Physical Infrastructure / Instrumentation	<p>In order to improve the quality of the library, ICT, and physical infrastructure, institutions often adopt various strategies. The library collection is regularly assessed and updated to meet the needs of users. This includes acquiring new books, journals, and electronic resources. Students, faculty members, alumni, and visitors are encouraged to provide feedback on library services and resources to identify areas for improvement. A library management system and digital platforms are implemented to streamline operations, facilitate access to resources, and provide online services. Hardware, software, and network infrastructure are regularly updated to ensure reliable and secure ICT services. Robust cyber security measures, such as firewalls, antivirus software, are implemented to protect against threats and ensure data privacy. Regular inspections, maintenance, and repairs of physical infrastructure and instrumentation are performed to ensure they are in optimal working condition. Existing facilities are expanded to accommodate changing needs and technological advancements.</p>
Human Resource Management	<p>The entry level selection process is adopted to ensure the quality of the staff appointed in the institute. The orientation program and faculty development programmes are conducted periodically to improve the quality of the staff. The staff members are</p>

encouraged to conduct and attend FDPs/ short term courses/ Workshops/Seminars/Conferences etc. to upgrade their skills. Faculty members are also encouraged to pursue higher studies. The performance-based appraisal system is in place to review/evaluate the performance of the staff along with an automated feedback system.

Industry Interaction / Collaboration

The Institute provides internships and cooperative education programs that allow students to gain practical experience in industry settings. These programs provide students with real-world exposure, enhance their employability. Collaborative projects and research initiatives between faculty, students, and industry partners are encouraged. This allows for knowledge exchange, applied research, and innovation that addresses industry challenges and promotes mutual benefit. Industry professionals are invited to deliver guest lectures, workshops, and seminars. These sessions provide insights into current industry practices, emerging trends, and real-world applications, enriching the learning experience for students. Industry experts are involved in the development of curriculum, course materials, and learning resources. Visits are organised at industries, job fairs,, and other industry-related events. These activities expose students to the workplace environment, industry practises, and potential career opportunities. Opportunities are provided to faculty to engage in professional development activities, such as industry internships, sabbaticals, and industrial training programs. This helps faculty stay updated with industry trends and practices, enhancing the quality of teaching and research.

Admission of Students

All the admissions are done by the Directorate of Technical Education (DTE) through the online Centralised Admission Process (CAP). Out of the total admissions, 80 are done through CAP. The allotment of a seat to a candidate is based on their MHT-CET / JEE scores. The remaining 20 of admissions at the institute level are

done strictly on merit. For institute level admission, the candidates apply online through [www.ssgmce.ac.in](http://www.ssgmce.ac.in). Based on the applications received, a merit list is generated. The admissions are done by counselling, as per merit rank, in a transparent manner. To attract quality students, the institute uses both digital and traditional marketing. Comprehensive information about the institution, its programs, admission requirements, and available resources is provided to prospective students. Dedicated support services, such as admissions counselling or online chat support, are made available to address applicant queries and guide them through the process.

Curriculum Development

The institution is affiliated to Sant Gadge Baba Amravati University. Institute has adopted various quality improvement strategies for curriculum development to enhance the effectiveness of programs. A thorough analysis of the needs and expectations of students, industry, and society is conducted to identify gaps and areas for improvement in the existing curriculum. Key stakeholders such as faculty, students, alumni, industry professionals, and subject matter experts are involved in the curriculum development process. Their input provides valuable insights and perspectives. Measurable learning outcomes that specify what knowledge, skills, and attitudes students should acquire are clearly defined. A regular assessment of these outcomes is done to ensure their alignment with the program goals

Teaching and Learning

The institution employs various quality improvement strategies for teaching and learning to enhance the educational experience and outcomes for students. The institute provides professional development and training opportunities for faculty to enhance their teaching skills and knowledge. This includes workshops, seminars, and mentoring programs focused on innovative teaching techniques and student engagement strategies. Faculty members incorporate active learning methodologies such as problem-based learning, case studies, group discussions, role-playing, and hands-on

activities. These approaches promote student participation, critical thinking, and practical application of knowledge. Institute provides student-centred learning environments where students actively participate in their own learning process. Institute promotes collaborative learning experiences through group projects, team-based activities, and peer-to-peer interactions, which cultivate teamwork, communication, and problem-solving skills.

Examination and Evaluation

The institute has a clear, and transparent process for internal class tests and evaluations, including the assessment criteria, weighting of different components, and grading rubrics. This ensures consistency and fairness in the evaluation process. The institute has effective systems in place to ensure the quality of exams and evaluations. Audits of class test papers is conducted to make sure everything is in line with the set standards and best practices. A variety of assessment methods, such as written exams, practical exams, projects, presentations, assignments, quizzes, etc., are used to assess different types of knowledge and skills. Assessment methods align with the learning goals and objectives of the course. Timely and constructive feedback is provided to students on their performance, highlighting strengths and areas for improvement. This helps students understand their performance and provides guidance for their learning.

Research and Development

The institute for the improvement of research and development activities and nurturing the culture of research amongst the faculties and students has established the RD cell. The cell has objectives to promote research activities at the institute, encourage faculties to submit research proposals to funding agencies, and motivate students to participate in research projects for experiential learning, and organise and conduct workshops for capacity building. Faculties are encouraged to publish their research work in reputed/indexed conferences and journals. The institute provides incentive points to students for

participating in various research activities.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<p>An online admissions portal is available where prospective students can submit their applications, upload necessary documents, and track the progress of their applications. This streamlines the admission process, reduces paperwork, and provides a transparent and user-friendly experience for applicants. A student information system (SIS) is developed where students can access their academic records, including test marks and attendance. An online financial management system is implemented that allows students to view their financial records, make payments, and access financial aid information. This streamlined fee collection processes, reduced paperwork, and provided students with a clear view of their financial obligations. An online alumni portal is implemented where graduates can update their profiles, connect with fellow alumni, and stay informed about college events and opportunities. This helps to build a strong alumni network and facilitate collaboration between alumni and current students. CCTV vigilance is implemented on college premises, which contributes to enhancing security, promoting safety, and ensuring a conducive environment for students, faculty, and staff.</p>
Administration	<p>The college administration has been equipped with computerised ERP /SAP software. All the academic records of students, right from admission to clearance, are maintained in the system. Online communication tools, such as email, instant messaging, and collaboration platforms, are implemented to facilitate seamless communication among staff members and departments. This enhances teamwork, promotes knowledge sharing, and improves overall productivity..</p>
Finance and Accounts	<p>SAP software is implemented for monitoring finance and accounting. A unique ID is provided to students where all financial activities are recorded. All institute-level income and expenses are recorded to obtain the trial</p>



balance, cash flow statement, payment scrolls, and balance sheet. SAP software is tailored to align with the specific requirements and processes of the institution. Financial reporting formats and workflows are customised to match the institutions needs.

**Student Admission and Support**

An online platform is available for students to submit their applications electronically. This platform enables students to complete application forms, upload necessary documents, and track the progress of their application in real-time. It also provides automated notifications and updates to keep students informed throughout the admissions process. Admission criteria, guidelines, and eligibility requirements are published on the institutions website. Clear and comprehensive information is provided to prospective students, including academic requirements, application deadlines, and selection criteria. Online counselling and support services are provided to prospective and enrolled students. The admission and support processes are integrated with the institutions student information system. This enables seamless data flow and eliminates duplicate data entry. It also ensures that student records are accurately maintained and updated, facilitating effective communication and support. An online fee payment system is implemented that allows students to pay their fees securely and conveniently. Email, SMS, or online notifications are used to provide timely updates and reminders to students.

**Examination**

The institute is affiliated with Sant Gadge Baba Amravati University, Amravati. The affiliating university conducts all examinations for students. An online platform is available for students to apply for examinations. This platform allows students to register, select their desired exams, and make necessary fee payments online. An online portal is available for publishing examination results. Students are able to access their results securely by logging into their student accounts. The portal provides detailed result reports, including individual subject scores, grade point

averages, and overall performance. Internal marks of the students are made available on SIS.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	R.K.Mankar	one week FDP on" current Trends in power Electronics and Drive Technology" at VNIT Nagpur from Dec 11th to 16th Dec 2017	NA	3000
2017	P. R. Wankhede	Nil	IEEE Professional Membership	8000
2017	Dr. S.P.Trikal	Nil	SAE-INDIA	1298
2017	Prof. M. B. Bhambere	Nil	SAE-INDIA	1298
2017	Dr. N. H. Khandare	Nil	CII	17700
2017	Dr.R . M. Kharate	National Conference on Recent Advances in Chemical Sciences February 26-27, 2018	NA	1500
2017	Dr. H. M. Jha Bidyarthi	International Conference on Management Cases - ICMC 2017 organized by Birla Institute of Technology (BIMTECH), Greater Noida	NA	13000
2017	Prof. Rutika Raut	8 days workshop on Application Oriented Teaching-Learning Methodology at Adandi, Pune	NA	1000

2017	Prof. P.S. Dhokane	8 days workshop on Application Oriented	Nil	1000
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Two Week ISTE STTP on "Electrical Power System" conducted by IIT Kharagpur was held in the department	Nil	10/07/2017	Nil	20	Nil
2017	workshop on Electrical Safety by Mr. Khaparde (Secretary, Udvahan Anudynapak Mandal, Industries, Energy Labour Ministries, Government of Maharashtra, Mumbai)	Nil	10/07/2017	Nil	70	Nil
2017	Optimization Techniques for Engineering Applications	Nil	Nil	Nil	5	Nil
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the	Number of teachers	From Date	To date	Duration
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professional development programme	who attended			
Cryptography and Network Security	1	01/01/2018	30/04/2018	84
Optimization Techniques for Ebengineering Applications	1	20/01/2018	24/01/2018	51
Internet of Things	1	27/07/2017	30/07/2017	4
Two Days NBA Preparatory Workshop	100	27/02/2018	28/02/2018	2
<a href="#">View File</a>				

#### 6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
85	13	108	Nil

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
8	8	15

### 6.4 – Financial Management and Resource Mobilization

#### 6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

SSGMCE appointed Shri Prabhakar Risbud, a Chartered Accountant, as an auditor. He conducts audits twice in one financial year. The audit conducted by Shri Prabhakar Risbud, a chartered accountant, 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 institutes 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 enrollments, and any adjustments or refunds made. The auditor reviews the institutes 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 institutes 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. The report serves as a valuable resource for the management and governing body of SSGMCE to assess the financial management practises and implement necessary enhancements

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
SARASWATI AUTO COMPONENTS AURANGABAD	26437	CONSULTANCY FUND
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

140936
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### 6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	Principal
Administrative	Yes	Shri Prabhakar Risbud,	Yes	Nill

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Organisation of orientation sessions for new students and their parents to familiarise them with the college, its facilities, academic programmes, and campus life These sessions help ease the transition into college and provide an opportunity for parents to meet faculty members and administrators . A parents meeting is organised with the objective of discussing academic updates, addressing common concerns, sharing important information, or seeking parent input on college initiatives. Establishing effective communication channels to keep parents informed about college activities, academic schedules, important announcements, and opportunities for parental involvement This is done through newsletters, dedicated websites, social media groups, or WhatsApp messages. Gathering feedback, suggestions, and concerns from parents regarding college policies, academic programs, or campus facilities. Feedback is analysed, and corrective actions are taken. Many local parents offer active assistance in social and community activities.

6.5.3 – Development programmes for support staff (at least three)

One day awareness program on Energy Conservation- A need of hour Spoken English Classes for supporting staff by Prof.S.V.Bhagat MS-OFFICE hands on Training by Mr. M.Y.Kashikar Yoga and stress Management by Mrs. Sneha S.Gachake UHV - Value System BEST Management - Behavioral, Stress and Time Management

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Development of action plans and implementation of measures to address any identified weaknesses or gaps. 2. Reviewing and updating the curriculum to align it with the latest industry trends and technological advancements. 3. Organizing faculty development programs to enhance teaching methodologies, research capabilities, and professional expertise. 4. Promoting research and innovation by providing support and resources to faculty and students. 5. Organizing health camps, skill development programs, environmental initiatives, and collaborating with local authorities for social impact projects. 6. Reviewing accreditation requirements, assessing their progress, and working towards meeting the criteria for the next accreditation assessment.

## 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

## 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2017	Organization of Esummit	16/09/2017	16/09/2017	01/06/2018	1500
2017	Facilitating the accreditation and quality assessment processes of the institution	01/07/2017	01/07/2017	31/05/2018	200
2017	organizing workshops, seminars, and training programs to enhance the professional development of faculty members and staff.	16/01/2018	16/01/2018	16/01/2018	300
2017	Facilitate collaborations between the institution and industries to promote applied research, internships, and industry-relevant curriculum development.	16/01/2018	16/01/2018	16/01/2018	1140
2017	Promoting community engagement and social responsibility	27/11/2017	27/11/2017	27/11/2017	36

initiatives  
within the  
institution

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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Debate (Women Empowerment)	09/09/2017	09/09/2017	78	67
Debate (Women Empowerment)	23/09/2017	23/09/2019	91	101
Guest Talk by Fulvanti Korde, Woman Counselor and social worker, Khamgaon	24/02/2018	24/02/2018	171	150

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

0

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	6
Ramp/Rails	Yes	6
Braille Software/facilities	No	0
Rest Rooms	Yes	6
Scribes for examination	Yes	3
Any other similar facility	Yes	3

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	Nil	1	27/11/2017	1	Community Development and Extension	Hands on Computer Fundamental and	39

					Services ,Shri Sant Gajanan Maharaj College of Engineering Shegaon	Its Appli cation"	
2017	Nil	1	28/11/2017	2	Short term course on Introduction to Advance Welding Technology	A training of Advance Welding technology is given to the nearby ITI students of Welder trade	38
2017	Nil	13	05/09/2017	10	Community Based Learning	Assistance At Gajanan Maharaj Mati Mand (Mentally Challenge d) Vidyal aya, Rokdiya Nagar, Shegaon 2- Planta tion Drive 3- Volunteer ing At Gorakshan Sanstha 4- Co-Ope ration With People From Nearby Rural Areas Mukbadhir School (Deaf And Dumb) School, Kha	52
2017	1	1	21/06/2017	1	Celebra tion of I	Awareness	300



					International Yoga Day	about health	
2017	Nil	1	08/12/2017	1	One Day Workshop on "Computer Awareness and Wireless Application"	Computer awareness and wireless applications50	50
2017	Nil	1	11/09/2017	3	Training Program on "Fundamentals of Electrical Machines"	Technical skill improvement	30
<a href="#">View File</a>							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for Faculty	22/06/2010	Demonstrate professionalism, integrity, and ethical conduct in all academic and research activities. Engage in continuous professional development, keeping up with advancements in their respective fields. Maintain confidentiality and ensure fair assessment and evaluation practises. Uphold academic honesty and discourage plagiarism or any form of academic misconduct. Collaborate with colleagues and actively participate in institutional initiatives and committees. Adhere to college policies and regulations, setting an example for students
Code of conduct for Students	22/06/2010	Demonstrate honesty, integrity, and ethical behaviour in all academic and non-academic activities. Respect faculty members, staff, and fellow students,

		<p>fostering a culture of mutual respect and inclusivity. Attend classes regularly, actively participate, and submit assignments and assessments on time.</p> <p>Maintain academic honesty, avoiding plagiarism and cheating. Utilise college resources responsibly and respect the colleges infrastructure and facilities. Engage in extracurricular activities and contribute positively to the college community.</p>
Code of conduct for supporting staff	22/06/2010	<p>Treat students, faculty members, and colleagues with respect, professionalism, and fairness. Carry out their responsibilities efficiently and effectively, providing necessary support to students and faculty.</p> <p>Maintain the confidentiality of sensitive information and respect privacy rights. Uphold ethical conduct in all administrative and support functions. Communicate clearly and professionally with stakeholders, ensuring timely and accurate information. Promote a safe and inclusive environment, addressing any concerns or grievances promptly.</p> <p>Participate in professional development activities to enhance skills and knowledge. Adhere to the policies and guidelines set forth by the college administration..</p>
Code of conduct for Administrator	22/06/2010	<p>Lead by example, demonstrating ethical behaviour and integrity. Promote transparency,</p>

		<p>fairness, and accountability in decision-making processes. Foster an environment conducive to academic excellence, innovation, and growth.</p> <p>Provide necessary resources and support for faculty, staff, and students. Establish and enforce policies and guidelines that ensure a safe and inclusive campus environment. Encourage and facilitate professional development opportunities for all stakeholders.</p> <p>Maintain effective communication channels with all stakeholders.</p> <p>Regularly assess and evaluate institutional practices to ensure continuous improvement</p>
Code of conduct for Parents/Guardians:	22/06/2010	<p>Support and encourage wards education and academic pursuits. Respect and adhere to college rules and regulations. Maintain open communication with the college administration and faculty members.</p> <p>Participate in parent-teacher meetings and engage in discussions regarding their wards progress. Encourage ethical behaviour and integrity in wards academic and non-academic activities. Support college initiatives and contribute positively to the college community.</p>
Code of conduct for Alumni	22/06/2010	<p>Act as ambassadors for the college and uphold its reputation. Support and mentor current students, sharing professional experiences and expertise. Maintain contact with the college and participate in alumni activities. Uphold</p>

ethical conduct and professionalism in all interactions related to the college.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Guest Talk by Swami Tanmayanandaji, Secretary, Ramkrushna Math, Ambikapur, Chattisgarh	16/09/2017	16/09/2017	250
Guest Talk by Anand Joshi, Project Manager, Expedia, Seattle, USA	30/09/2017	30/09/2017	124
Guest Talk by Yogesh Marwadi, Founder Dayitva Foundation Akola	17/02/2018	17/02/2018	155
Guest Talk by Samir Ghole, Founder Vismay Foundation, Village Gunjavane, Taluka Velhe, Pune	03/03/2018	03/03/2018	126
<a href="#">View File</a>			

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Energy Conservation Measures: Implementation of energy-efficient technologies such as LED lighting, motion sensors to reduce electricity consumption
Waste Management and Recycling: Implementing composting programmes for organic waste to reduce landfill waste.
Water Conservation: Installation of low-flow faucets, showerheads, and toilets to reduce water consumption Implementation of rainwater harvesting systems to collect and reuse rainwater for irrigation or other non-potable purposes.
Incorporating sustainability and environmental topics into the curriculum, organising workshops, seminars, and awareness campaigns to educate students, staff, and the community about eco-friendly practises.
The Institute supports the ban on plastic, demonstrating its commitment to environmental sustainability and reducing plastic waste.

## 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

<p><b>BEST PRACTICES:</b> The Institute has a good number of unique and constructive practises that have been nurtured with a concrete thought process. Institutional Scholarship Provision, Industry- Academia Connect, Solar Unit, Cleanliness and Hygiene, Spiritual Touch, Rendering Universal Prayer, Anapaan Meditation, Incubation Centre, Electric Vehicles Unit, and Entrepreneurship Development Cell are the core of these practises. We feel that the below</p>
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mentioned two practises are the best of these: A) Institutional Scholarship Provision B) Industry- Academia Connect (A)Institutional Scholarship Provision "Sarve Bhavantu Sukhinah" ("Let all be happy"), the motto of our parent organization, Shri Gajanan Maharaj Sansthan, reflects this best practise.

Academia has proactively thought of a mechanism to reward good students and cooperate with needy students. An exclusive committee is formed, consisting of a central coordinator, members, and a custodian. The scholarship committee has been working on various aspects of scholarships and awards to students, merit scholarships, donor's scholarships, GATE prizes, best project prizes, etc.

Students scoring more than 65 in university examinations are awarded merit scholarships. The institute has raised a scholarship fund for meritorious, hardworking, and deserving students. Well-wishers of the institute have kindly deposited a lump sum in this fund. The interest on this fund is distributed as scholarships to students who fulfil the criteria stated by the donor. In order to motivate the students to appear for GATE, the institute gives prizes to students with valid GATE scores. In order to motivate the student to work on industry sponsored and real life problem related projects, prizes are awarded to the best two projects from each branch. The project evaluation committee of the respective department suggests the best projects in their department. To support economically poor students, the institute waives hostel fees and mess charges after detailed verification and approval from the Honorable Management . In order to motivate the students to participate in various types of sports, develop physical fitness, and utilise world-class sports facilities, the sports department organises a sports week every year. Cash prizes are given to participants who receive coloured coats in sports and cultural activities.

(B)Industry- Academia Connect Collaboration between education and industry is urgently needed. It plays a vital role in social and economic development. The key factors are students, academicians, and industry personnel. Shri Sant Gajanan Maharaj College of Engineering has established a strong connection between industry and academia. The departmental advisory board of the institute consists of industry experts who provide guidance on curriculum development, industry trends, and emerging skill requirements. The Institute fosters partnerships with industries to undertake collaborative research projects. These projects can address real-world challenges, provide opportunities for faculty and students to work on applied research, and create industry-relevant solutions. Industry experts are invited to deliver guest lectures, conduct workshops, or participate in panel discussions. This provides students with exposure to industry perspectives, current practises, and emerging technologies.. Structured internship and co-op programs are developed with industries, allowing students to gain practical experience, apply theoretical knowledge, and develop industry-specific skills. Industry professionals mentor students, providing career guidance, industry insights, and networking opportunities. Industry-Academia Collaborative Centres are established, which facilitates joint research, technology transfer, and industry-driven training programs. Regular industry visits are organised to expose students to real-world working environments, production processes, and industry best practises. Students are motivated to undertake industry-driven projects and case studies. This allows students to apply theoretical knowledge to real-world scenarios and enhances their problem-solving and critical-thinking skills. Faculty and students are encouraged to protect their intellectual property through patents or copyrights. Interaction between faculty members and industry professionals is promoted through networking events and industry visits. This helps in staying updated with industry trends, fostering collaboration, and identifying opportunities for research projects. The Institute collaborates with industries to develop certification programs or specialised training modules that align with industry requirements and enhance students employability. Alumni serving in the industry provide internships, job placements, and industry connections to students. Alumni are involved in guest lectures, mentorship programs, and

other alumni-led initiatives. The Institute collaborates with industries to develop certification programs or specialised training modules that align with industry requirements and enhance students employability.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

[https://www.ssgmce.ac.in/uploads/IOAC\\_BestPractices.pdf](https://www.ssgmce.ac.in/uploads/IOAC_BestPractices.pdf)

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

**Institutional Distinctiveness:** Being different is often treated as good, and being good is now treated as different. If an organisation is capable of distinguishing itself, it is definitely on the path to flourishing, leaving aside worries of perishing. For almost four decades, Shri Sant Gajanan Maharaj College of Engineering in Shegaon has been embodying this Goodness along with numerous other attributes to serve humanity. This journey is led by the esteemed parent organisation, Shri Gajanan Maharaj Sansthan, with the motto Sarve Bhavantu Sukhinah (Let All Be Happy). The uniqueness and distinctiveness of the institution can be summarised as an endeavour to foster a perfect blend of spirituality and technology for the service of the rural and global (Glocal) communities. Various aspects contribute to this distinctiveness, such as the inclusion of Sangyansuktam (a prayer for universal harmony taken from the Rigveda), lectures and sessions by monks and spiritual practitioners from organisations like Ramkrishna Math, the organisation of Palkhi/dindi/granth dindi processions, celebrations of birth and death anniversaries of great souls, the provision of yoga coaching and meditation sessions, daily prayers in the prayer hall, the availability of Swadhyayay Kaksh (room), and an enriched library with a wide range of books covering not only the curriculum but also personality development, culture, religion, and spiritual practises. An exclusive section called Sparsh includes books by the influential monk Swami Vivekananda and his colleagues. The faculty members, equipped with Universal Human Values (UHV) courses, along with subjects like Business Ethics and Values and Ethics, contribute to the elevation of the Spiritual Quotient. On the technological side, the institute offers a 24-hour uninterrupted Wi-Fi facility, a FabLab established through expertise from Vigyan Ashram in Pabal, Pune, the availability of SAP (Systems, Applications, and Products) Software, CNC (Computer Numerical Control), simulation exercises by Circular Angle in Mumbai, a Solar Research Laboratory, the production of e-bicycles and e-vehicles, award-winning projects in the Smart India Hackathon, student activities like Pursuit and Parishkriti, a Water Recycling Plant, Turnitin Plagiarism Checker Software, usage of Office Teams, OPAC (Online Public Access Catalogue) Library Software, and more. Considering the rural pockets of the Vidarbha region and Maharashtra State, the institution genuinely counsels and assists students in choosing the right career path, navigating the admission process, verifying documents, and addressing difficulties in filling out option forms. The institute provides exclusive freeships, free meals, and hostel accommodations for hardworking, deserving students from underprivileged backgrounds. To support marginal farmers and combat the issue of farmer suicides in the region, the institute has introduced a novel Earn and Learn mechanism within its premises. Additionally, an E-Cell mentors students aspiring to entrepreneurship, start-ups, and family businesses. The institute actively engages in projects, internships, and community development services in the nearby rural areas. With more than a thousand alumni serving the global community in high positions such as Directors, Vice Presidents, and Heads in multinational corporations across around twenty countries, the leadership skills backed by the values instilled in the institution are evident. Hundreds

of other alumni work in the private

Provide the weblink of the institution

[https://www.ssgmce.ac.in/uploads/IOAC\\_Institutional.pdf](https://www.ssgmce.ac.in/uploads/IOAC_Institutional.pdf)

### **8.Future Plans of Actions for Next Academic Year**

To provide quality education and foster innovation, a comprehensive set of initiatives has been devised to propel our institute towards greater heights. These future plans encompass various aspects such as curriculum enhancement, research and industry collaborations, infrastructure development, student support, and sustainability initiatives. By implementing these strategic endeavours, our students will be well-equipped with the skills and knowledge needed to excel in their careers and contribute to society. Key future plans include: Reviewing and updating curricula to align with industry trends and technological advancements. Introducing new courses or modifying existing ones to ensure students receive relevant and up-to-date knowledge Focusing on enhancing research capabilities by investing in advanced laboratories and equipment. Encouraging faculty and students to pursue research in various engineering fields. Strengthening ties with industries to facilitate internships, industrial visits, and guest lectures by industry professionals, providing practical exposure and skill development opportunities. Offering skill enhancement programs such as workshops, seminars, and certification courses to make graduates more employable. Strengthening entrepreneurship cells and establishing incubation centres to provide guidance, resources, and mentorship to students interested in starting their own ventures. Focusing on faculty development programs to enhance teaching methodologies and research capabilities. Improving infrastructure, including classrooms, libraries, computer labs, and sports facilities Offering industry-aligned courses and providing career guidance, including mock interviews and aptitude tests. Arranging workshops or training sessions on intellectual property rights and patent filing to familiarise faculty members with the process Conducting regular internal audits and mock inspections to identify areas that need improvement. Providing faculty members with guidelines and resources to align their teaching and research with NBA accreditation requirements Installing solar panels and exploring energy-efficient solutions for campus buildings. Evaluating existing administrative processes and identifying areas where automation can streamline operations