



## Yearly Status Report - 2016-2017

### 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.		07020676616
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 Mrs A.U.Jawadekar
Phone no/Alternate Phone no.	07972249173
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/AQA/ANNUAL_QUALITY_ASSURANCE_REPORT_2012-13.pdf">https://www.ssgmce.ac.in/uploads/AQA/ANNUAL_QUALITY_ASSURANCE_REPORT_2012-13.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>	19-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

Faculty development programme on	18-Aug-2016 1	50
Three days Entrepreneurship awareness Camp (EAC)	16-Sep-2016 3	300
3-days National Level Workshop Machine Learning And Hands-On Training Using Matlab Programming	28-Dec-2016 3	100
IEEE Bombay Section organized IEEE Bombay Section Congress (IBSC) at SSGMCE , Shegaon	27-Feb-2017 3	250
SSGMCE in collaboration with Confederation of Indian Industry (CII), MZC organized CII Youth connect	02-Apr-2017 1	500

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**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>				
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**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

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

Organizing quality technical events such as workshops and Seminars for Faculty and students

MOUs signed with reputed Industries

Inhouse training imparted to non teaching staff for skill upgradation

Continuous upgradation of Lesson plan and Lecture plan

Development of Rubrics for continuous evaluation of students

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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	Achivements/Outcomes
To Conduct Internal and External Academic Audits	Academic audit was done for the individual faculty and also of the department. Faculty Audit is related to course file content, preparation and up gradation of lecture plan, delivery of classes, and quality of question paper. Auditor report includes the strength and weakness of the department, acclamation of good practices, recommendations for improvement.External academic audit was conducted by Academician and Industry Experts
Feedback collection from different stakeholders to identify the curriculum gaps	Feedback collected from different stakeholders are analyzed and accordingly actions are taken to bridge the curriculum gaps
Development of Rubrics for continuous evaluation	"Rubrics are developed for (Design/Develop /Simulation/ offtware/ Hardware Development),Survey/Case studies, Industrial visit/field work and report writing, Laboratory experiment conduction, New Experiment development and testing ,Group Discussion, Seminars. Students were evaluated for all of these components using defined rubrics "
To enhanced Industry Institute Interaction activities	Experts from the industries were involved in developing laboratories, delivering expert talks, sharing about process and challenges in corporate

careers, upcoming technologies and current market scenario, corporate environment , real life applications and industry problem solving projects.

Preparation for NBA Certification

Different assessment tools and processes designed to obtain the attainment of course outcomes and Program outcomes

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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Academic Council	12-Jul-2017

**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

2017

Date of Submission

06-Apr-2017

**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)

SSGMCE has developed its MIS software inhouse. The software contains the functionalities of the student information system as well as the management information. On this information system, various academic and administrative tasks are performed. This system manages the students whole academic journey, from the time of enrollment to the point at which he or she graduates. The modules currently in operation include: Registration module: It collects, collates, and manages admission inquiries. The functionality is also related to the registration of the applicant and the admission modules, where students' admission lifecycle is captured in one database. The college follows the admission process run by DTE (Director of Technical Education). The student approaches the college for admission,

and the unique admission number is provided through one of the software programs, SAP. On the basis of this number, the credentials are generated through SIS. Using these credentials, the student has to login into the system, where he or she has to submit various types of information like personal information, parental information, addresses, qualifying exam details, etc. Timetable Management Module: In this module, the teaching load of the faculty is recorded and a class schedule is maintained. This module helps the entire teaching and learning process and has functionality mainly associated with teaching schemes, courses, and faculty student allocation. Student Attendance Module : It is used for recording subjectwise attendance or daily attendance of students. It also provides a daily attendance report, datewise attendance, and a studentwise attendance report. The daily, monthly, and semester attendance analysis and its subsequent report generation for the entire institution have become simple and quick. Monitoring the attendance of students has now become an easy task. An attendance report is also sent to parents through SMS, notifying them of their wards absence at college. Examination Management Module: This module consists of a number of activities related to configuration, conduction, and the final internal mark calculation of students from all departments. This module collects the data for all class tests, assignments, and attendance and computes the final internal marks of students for all courses.

## 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. Regular evaluations, 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 programmes 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 employ ability/entrepreneurship	Skill Development
Course on Industrial Automation	NIL	01/07/2016	10	Employability	Proficiency in programming and configuring PLCs, which are widely used in industrial automation
Certificate course on CFD Software	NIL	27/02/2017	34	Employability	computational skills along with navigation of software interface
Certificate course on CNC	NIL	27/03/2017	12	Employability	Practical knowledge and hands-on experience

Technology

in operating CNC machines. This includes understanding machine components, tooling, workpiece setup, and safe operation procedures.

Embedded System and IOT Applications	NIL	13/06/2016	12	Employability	Automation using IOT
Microwave Components, Circuits and Antennas: Design and Measurements	NIL	13/06/2016	5	Employability	Design development of microwave antenna

## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
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### 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	01/07/2016
BE	Electrical Engineering (Electronics and Power)be	01/07/2016
BE	Electronics and Telecommunication Engineering	01/07/2016
BE	Information Technology	01/07/2016
BE	Mechanical Engineering	01/07/2016
ME	Computer Engineering	01/07/2016
MBA	Master of Business Administration	01/07/2016

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

	Certificate	Diploma Course
Number of Students	306	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
Course on Geometric Dimensioning and Tolerancing	09/07/2016	21
Course on training of CAD CATIA V5 software	23/03/2017	26
Aptitude Test Preparation	02/09/2016	130
Entrepreneurship awareness	19/01/2017	300
Soft Skill	22/09/2016	900
BASIC COURSE IN YOGA AND MEDITATION	09/07/2016	145

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#### 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	10
BE	Electrical Engineering (Electronics & Power)	35
BE	Electronics and Telecommunication Engineering	12
BE	Information Technology	54
BE	Mechanical Engineering	58
MBA	Master of Business Administration	39

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### 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. In addition to feedbacks, institution conducts various other surveys to gather information and insights from students. 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	62	62
BE	Electronics and Telecommunication Engineering	120	126	126
BE	Information Technology	60	62	62
BE	Mechanical Engineering	60	63	63
ME	Computer Engineering	18	7	7
ME	Electrical	18	4	4

	Power System			
ME	Digital Electronics	30	11	11
ME	Advanced MFG Mechanical System Design	24	3	3
MBA	Master of Business Administration	60	53	53
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## 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
2016	1680	185	80	20	100

## 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
100	90	14	22	Null	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 objectives to inculcate discipline, punctuality, and motivation among the students. It provides a reliable and comprehensive support system to motivate students. This system enables the parents to know about the performance and regularity of their wards. Details of mentoring system: Each faculty member in the department is the mentor of a group of 18–20 students. Departmental faculties will continue to be mentors for the same group of students until their graduation. Mentors and mentees engage in regular one-on-one meetings or group sessions. These meetings provide opportunities for mentees to discuss their academic progress, challenges, goals, and aspirations. • The mentor keeps a close watch on the academic performance of students. The absence of the mentee is reviewed periodically, and in case of lapses, the matter is taken up with competent authority. The mentor reviews the examination and results and guides accordingly. In the event that the mentee lags behind, necessary measures are suggested by the mentor. Mentors offer guidance, share experiences, provide feedback, and help mentees navigate their academic journey. Mentors assist mentees in understanding course requirements, selecting appropriate classes, and developing effective study strategies. Mentors may provide subject-specific guidance, recommend resources, or offer tutoring support. Mentors help mentees explore career options, develop professional skills, and navigate internship or job search processes. They may offer 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 provide guidance on time management, stress management, work-life balance, and overall well-being. Mentor makes mentee, familiar with values and policies of the institute. The principal and Dean Academics also conduct periodic evaluations to ensure the mentoring systems success and identify areas for improvement. The mentoring relationship is often maintained throughout the mentees academic

journey, ensuring continuity of support.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1865	100	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
100	100	0	0	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
2016	Dr. S. R. Paraskar	Professor	BOS-Electrical Engg North Maharashtra University Jalgaon
2016	Dr. S. R. Paraskar	Professor	Member, Editorial Board, International Organisation of Scientific Research Development (IOSRD)
2016	Mr. R. S. Pote	Associate Professor	Reviewer, International Journal for Innovative Research in Science Technology. (IJIRST)
2017	Dr. A. U. Jawadkar	Associate Professor	Reviwer, International Journal of Electric Power Component and System (EPCS) Taylor Fransis Group
2016	Mr. S. S. Jadhao	Assistant Professor	Reviwer, Turkish Journal of Electrical Engineering Computer Sciences. Turkey.
2016	Mr. R. S. Kankale	Assistant Professor	Reviwer, International Journal of Research in Electrical Engineering (IJREE)

2016	Prof. A. S. Manekar	Assistant Professor	Reviewer at 2nd International Conference on Soft Computing in Data Science 2016.
2016	Prof. A. K. Shahde	Assistant Professor	Gold Medal for securing university 1st rank in MBA (HRM), YCMOU, Nashik
2016	Prof. A. K. Shahde	Assistant Professor	Reviewer at International Journal of Advance Research in Computer Science and Management Studies (IJARCSMS)
2016	Prof. A. K. Shahde	Assistant Professor	Reviewer at International Journal for Research in Emerging Science and Technology (IJREST)
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## 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	30/12/2016	24/03/2017
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

SSGMCE is affiliated to SGBAU . Institute closely follows the syllabus prescribed by the University along with all the reforms introduced. Internal theory Assessment marks for UG (15M) are based on two class tests(10M) and Assignment (5M). The institution has introduced various components as assignments. The components, like tutorials, quizzes, open-book tests, new experiment development , etc., are used to assess students learning levels. Mini-projects, case studies, etc. can help the students work in a team and develop innovative ideas. Students work on these components throughout the semester, which helps them to maintain their focus, get in touch with the subject, and increases their capability of learning. For all these components, evaluation is done by the course teacher based on rubrics.. The class test question paper addresses various learning levels and COs. Retests are conducted for those students who could not attend the test due to medical reasons or for any other genuine reason. The term work comprising laboratory practical is assessed continuously during the semester at the institute level for 20 marks. Students are evaluated on different parameters as per the developed rubrics. A lab test is being held to provide students with prior experience with

university practical examinations. Project progress is monitored periodically in both semesters by each department. The PG assessment pattern involves 20 marks for internal assessment and 80 marks for external assessment. Internal assessment is based on two class tests and an assignment. The institute updates the performance parameters on a regular basis.

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	67	96
110135610	BE	Electrical Engineering (Electronics)	70	53	75.71

		& Power)			
110137210	BE	Electronics and Telecommunication Engineering	135	114	84.44
110124610	BE	Information Technology	74	69	93.24
110161210	BE	MECHANICAL ENGINEERING	70	69	98.65
110124510	ME	Computer Engineering	18	11	61
110129210	ME	Digital Electronics	18	3	20
110190710	ME	ADVANCED MANUFACTURING AND MECHANICAL SYSTEM DESIGN (AMMSD)	6	2	33
110110110	MBA	Marketing	10	9	90
110110110	MBA	Finance	34	21	62
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## 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-2016-17\\_report.pdf](https://www.ssgmce.ac.in/uploads/AOAR/SSS-2016-17_report.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)	300	SGIARC Shegaon	1.5	1.5
Students Research Projects (Other than compulsory by the University)	300	Shri Sant Gajanan Maharaj College of Engineering , Shegaon	2.5	2.5
Students Research Projects (Other than compulsory	240	Hotel Vishwas, Shegaon	0.03	0.03

by the University)				
Students Research Projects (Other than compulsory by the University)	180	Balaji Classes, Mehkar	0.06	0.06
Industry sponsored Projects	100	Yash Enterprises, MIDC, Khamgaon	0.15	0.15
Industry sponsored Projects	210	Yash Enterprises, MIDC, Khamgaon	0.11	0.11
Industry sponsored Projects	180	Ajay Enterprises, Mehakar	0.06	0.06
Industry sponsored Projects	180	Mahanagar Samachar Pvt. Ltd. Nanded	0.25	0.25
Industry sponsored Projects	110	Saraswati Auto Components, Aurangabad	1.93	193
Industry sponsored Projects	68	M Nand Industries, Akola.	0.54	0.54
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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
Data Science and its Application ,Seminar by Mr. Nitin Wankhade , Value Momentum, Hyderabad	Computer Science and Engineering	05/08/2016
Cutting Edge Technologies in IT Sector	Computer Science and Engineering	31/03/2017
Expert Talk on “ Innovative Practices in Industrial Automation delivered by Mr.Rameshchandra Burhania Mr.Shrikant Takle, Mitsubishi Electric India Pvt Ltd,Pune	Electrical Engineering (Electronics and Power)	29/07/2016
Expert Talk on “Energy Conservation-Innovative practices in industries ” by Mr. Ajit Kumar Datar PCRA, Mumbai.	Electrical Engineering (Electronics and Power)	22/08/2016



How to transform your ideas and ambition into business industry?(Confederation of Indian Industry)	Electronics and Telecommunication Engineering	27/07/2016
Wireless Technologies and Computer Architectures (Dr. Suresh Borkar, IIT, Chicago, USA	Electronics and Telecommunication Engineering	16/08/2016
workshop on "Understanding of Memory for Program" by Mr. Ketan Pachpande, M.Tech (Kharagpur), from Symantec Corporation, Pune.	Information Technology	19/09/2016
Seminar on Efficient Use of Energy by Mr. Uday Sampat, VP- ABB Ltd., Nashik	Electrical Engineering (Electroni	14/01/2017
Expert Talk on "Energy Conservation-Innovative practices in industries " by Mr. Ajit Kumar Datar PCRA, Mumbai.	Electrical Engineering (Electroni	22/08/2016
Seminar on "Entrepreneurship Employment" delivered by Mr. Madhukar Jadhav ( CEO, Jadhav Switchgear and services, Nashik )	Electrical Engineering (Electroni	23/03/2017
Oracle Technology - Application Development Framework(Mr. Anand Kothari AND Lab Technology, Mumbai)	Electronics and Telecommunica	17/03/2017
Design and Manufacturing of Capacitors for industrial applications " delivered by Maruti Kulkarni (CEO, Rectiphase Capacitor, Nashik)	Electrical Engineering (Electroni	23/01/2017

### 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
Drunk Drive Project, State Level Project Competition	Vivek Nimkarde, Rohit Ghule, Surbhi Zambad, Chaitali Gawande, Samiksha Kalore	"Tantra Tech Expo 2017	19/05/2017	Student
IT Project competition ,	Ms. Ekta chugwani and	Nagpur City Police	12/01/2017	Student

COMP-EX25 EXPO in Nagpur	Mr. Tejas Rathi			
Project on "Biodynamic Agriculture"	Swapnil Karwande, Sushank Tidke, Vishakha Netanrao, Ankita Gaikwad and Shivani Pawar	I2I project competition organized by BHAU Institute of Innovation, Entrepreneurship and Leadership at College of Engineering, Pune	07/04/2017	Student
"Classification of Faults in power System using Signal Processing Approach"	Dr. S. R Paraskar, Mr. S. S Jadhao Mr. R. K. Mankar	Pimpri Chinchwad college of Engg, Pune (2nd International Conference - ICCUBEA-2016)	13/08/2016	Teacher
Design and Development of Super Capacitor"	Akash Chipade Nayan Tale	Shivaji College of Engg Technology Akola, M.S. (National Level Paper Presentation competition in CHEMPRO 2K17.)	10/03/2017	Student
Design and Fabrication of Special Purpose Soap Stamping Machine	Ajay Solanke, Swaroopsing chavan, Ankit Padmane, Ganesh Bawaskar, Prashant Shinde	Shri Sant Gajanan Maharaj College of Engineering Shegaon	31/03/2017	Student
<a href="#">View Uploaded File</a>				

### 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
Electrical Engineering (Electronics and Power)	1

Electronics and Telecommunication Engineering	4
Mechanical Engineering	1

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	15	Nil
International	Electrical Engineering (Electronics and Power)	11	4.76
International	Electronics and Telecommunication engineering	13	4.65
International	Information Technology	1	Nil
International	Mechanical Engineering	6	3.32
International	Master of Business Administration	6	Nil
International	Applied Sciences Humanities	2	6.46
National	Electronics and Telecommunication engineering	7	3.7

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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	1
Electrical Engineering (Electronics and Power)	1
Electronics and Telecommunication Engineering	1
Mechanical Engineering	2
APPLIED SCIENCES AND HUMANITIES	1
Master of Business Administration	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
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Transient stability improvement using thyristor switched series capacitor fact device	Dr. S. R. Paraskar	IEEE international students conference on electrical, electronics and computer science(SCE ECS-2016) 5th and 6th march 2016	2016	Nil	Shri Sant Gajanan Maharaj College of engineering Shegaon	12
Development of GUI and Simulink for determination of storage system capacity for wind power generation	Dr. S. R. Paraskar Mr. U A Jawadekar	International journal of advanced research in electrical, electronics and instrumentation engineering.(IJAREEIE), Vol no 5, Issue 1, Page no 76-84, Jan 2016, ISSN 2320-3765	2016	Nil	Shri Sant Gajanan Maharaj College of engineering Shegaon	Nil
Online Implementation of Least Error Square Method For Frequency and Amplitude Estimation of Power Signal Using MATLAB	Ms. R. P. Haridas	International Journal of Engineering and Management Research, Volume-6, Issue-5. Oct 05, 2016	2016	Nil	Shri Sant Gajanan Maharaj College of engineering Shegaon	Nil
Design and Development of Wireless Sensor Node for Antipoaching	V. N Bhonge	2016 International Conference on Communication and Signal Processing (ICCSP)	2016	1	Shri Sant Gajanan Maharaj College of Engineering Shegaon	1
Low-Cost Fabricatio	Manish Bhaiyya	Electronics Letter	2017	23	BITS Pilani	11

n Of Polymer Substrate Based Piezoelectric Micro Generator With Ppe, Ide and Me						
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	2
Design and Implementation of energy load management using artificial neural network : Review	Dr. D. D. Nawgaje	International Journal of Mordern Trends in Engineering and Research	2017	Nil	Shri Sant Gajanan Maharaj College of Engineering Shegaon	Nil
Classification of Artifactual EEG signal and detection of multiple eye movement artifact zones using Novel time amplitude algorithm	Dr. M. N. Tibdewal	SIVP-Springer	2016	14	Shri Sant Gajanan Maharaj College of Engineering Shegaon	13
Analysis and design of high performance phase frequency detector,	Dr. K. B. Khanchandani	Indonesian Journal of Electrical Engineering and Computer	Nil	3	Shri Sant Gajanan Maharaj College of Engineering Shegaon	3

charge pump and loop filter circuits for PLL in wireless applications		Science				
Implementation of content based image retrieval system using SIFT and SVM	D. L. Bhombe	IJMETER	2016	1	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
Transient stability improvement using thyristor switched series capacitor fact device	Dr. S. R. Paraskar	IEEE international students conference on electrical, electronics and computer science(SCE ECS-2016) 5th and 6th march 2016	2016	1	12	Shri Sant Gajanan Maharaj College of Engineering Shegaon
Analysis and design of high performance phase frequency detector, charge pump and loop filter circuits for PLL in wireless applications	Dr. K. B. Khanchandanani	Indonesian Journal of Electrical Engineering and Computer Science	2016	7	3	Shri Sant Gajanan Maharaj College of Engineering Shegaon
Highly efficient	Dr. K. B. Khancha	Indian Journal of	2016	7	0	Shri Sant

segmentation and classification of premature infants brain MR images at global and tissue level	ndani	Science and Technology				Gajanan Maharaj College of Engineering Shegaon
Experimental investigation of machining time in turning mild steel component using multi tool turning method	Dr S.P.Trikal	International Journal for Scientific Research and Development (IJSRD), Volume 3, issue 11, 2321-0613	2016	Nil	Nil	Shri Sant Gajanan Maharaj College of Engineering Shegaon
Design and Analysis of Overhead Material Handling System for Various Types and Sizes of Steel Channels	Prof. A. S.Bharule	International Journal for Scientific Research and Development, Volume 5, Issue 2, 2321-0613	2017	Nil	Nil	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	0	52	1	9
Presented papers	47	1	0	0
Resource	0	1	0	0

persons

[View Uploaded File](#)**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
Beti Bachao Beti Padho Abhiyan Ralli	NSS	2	100
Road Safety Camgain	NSS and adopted village Janori	2	100
Fundamentals of Computer and its Applications, Date : 2nd and 3rd Dec 2016	CDES	3	30
Expert Talk on "Carrier Opportunities in Computer Sci. and Engineering", Mr. Alok Gupta, CEO, Unistol, New Delhi, Mr. Pankaj Sule, VP, Global Logic, Nagpur	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	2	84
International Yoga Day 21 June 2016	NSS	4	86
Tree Plantation	NSS	2	56
Cleanliness Drive	NSS	3	100
Blood Donation Camp	NSS Govt Medical Collge Akola, Saibai Mote Govt Hospital Shegaon	3	220

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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
National Entrepreneurship Challenge E-summit at IIT,Mumbai	Intermediate Level First Prize	IIT,Mumbai	29
Blood Donation Camp	Government Medical College Akola	Government Medical College Akola	220
E-Summit at IIT, Mumbai College	Best CR	IIT,Mumbai	1



Representatives: E-Cell

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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 activities	Number of students participated in such activities
NSS	NSS	International Yoga Day 21 June 2016	4	86
NSS	NSS	Tree Plantation	2	56
NSS	NSS	Shramadan	3	60
NSS	NSS	Cleanliness Drive	3	100
NSS	NSS Govt Medical Collge Akola, Saibai Mote Govt Hospital Shegaon	Blood Donation Camp	3	220
NSS	NSS and Dattak Gram Janori (Adopted Village)	Road Safety Camgain	2	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	1	self	300
Research	6	self	300

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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
Sponsered Project	Ticket Based Software Deployment Requist Management System	Value Momentum Hyderabad Contact No. 040 6733 8400	01/06/2016	31/05/2017	5

Sponsered Project	Barcode Based SIOS(Student In out System)	SGIARC, SSGMCE Campus, Shegaon Contact No. 07265-52206	01/06/2016	31/05/2017	5
Internship	Training and lessons of the processes related to RD	Simens Aurangabad	26/12/2016	09/02/2017	3
<a href="#">View File</a>					

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
Mitsubishi Electric India Pvt Ltd, Pune	29/07/2016	To established the Factory Automation lab and For student Faculty trainings.	81
Oasis Technologies Pvt. Ltd., Pune	01/07/2016	Faculty and staff training for the use of Oasis kits	80
<a href="#">View File</a>			

## 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
80.19	45.08

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing

Classrooms with Wi-Fi OR LAN	Newly Added
<a href="#">View File</a>	

#### 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	50509	10040263	482	194670	50991	10234933
Text Books	23911	669350	178	192140	24089	861490

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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 & 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
Mr. N. M. Kandoi	Programming Methodology	Microsoft Power Point	10/06/2016
Mr. C. M. Mankar	Software Engineering	Microsoft Power Point	12/06/2016

[View File](#)

#### 4.3 – IT Infrastructure

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

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	522	253	522	26	36	73	134	10	0
Added	68	56	56	5	0	6	1	15	0
Total	590	309	578	31	36	79	135	25	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
No Data Entered/Not Applicable !!!	

#### 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 incurred on maintenance of physical facilities
222	138.6	45.56	56.6

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 sports. Well defined procedures are available within the institute for the maintenance of physical equipment. Standard operating procedures are available for maintaining and utilizing physical academic and support facilities.

**A Physical Facilities for Academic Activities**

- E-Class rooms
- Laboratories/Workshops
- Research Center
- Meeting Drawing Halls
- Central Digital library
- Communication Skills lab
- Training and Placement Cell
- Departmental Libraries

**B Physical Facilities for Co-curricular Extracurricular activities**

- Air-conditioned Auditorium
- Offices for Various Clubs
- Auditorium
- Air-conditioned Seminar Hall
- Yoga Hall
- Prayer Hall
- Music Room
- Meditation Hall

**C Physical Facilities for Sports and Games:**

1. Indoor facilities
  - Gymnasium Centre
  - Badminton Court
  - Table Tennis Court
  - Skating hall
2. Outdoor facilities
  - Cricket /Football ground
  - Volleyball court
  - Basketball court
  - Tennis court

**Other facilities**

- Medical Dispensary
- ATM
- Student Consumer and Cooperative Store
- Hostels (5 Boys and 3 Girls)
- Residential facilities
- Ambulance

**Effective Utilization and Maintenance:** 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. A computer maintenance section headed by Chief maintenance Engineer and his team takes care for the maintenance of computer and other related equipment of the institute. The other networking, internet and server management is carried out by Data Center (DC) headed by in-charge and his team. A full-fledged building and construction (BC) department is headed by a Chief Engineer to oversee the maintenance and construction of the entire institute which periodically maintains and ensures the civil facilities always in working condition. It takes care of civil services of all physical facilities like staff quarters, hostels, academic, administrative and sports buildings, etc. Policy: The college has a policy of annual budgeting and review for the growth of infrastructure. Enhancement in the infrastructural facilities and its maintenance is taken care of by the departmental requirements submitted before the

<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)	167	7118937
Financial Support from Other Sources			
a) National	Post Matric Scholarship to SBC Students	13	1187160
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	22/09/2016	367	SK Associates, Nashik
<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
2016	Banking Exam Course (Cordinated the free banking exam course for the MBA students)	46	Nil	Nil	Nil
2016	NCAT Exam (Cordinated for the "National Creativity Aptitude Test" for the interested students of	132	Nil	Nil	Nil

	engineering)				
2017	Career Opportunities in Defence Sector (A guest lecture by Mr Bharat Jadhao)	146	Nil	Nil	Nil
2016	Webinar on "Careers in Automation Engineering" on 27th August 2016 by SEED Infotech, Pune for B.E. Final Year & Third year students.	350	Nil	Nil	Nil
2017	One Day workshop on "IBM Watson Internet of Things" by Persistent Systems Ltd., Nagpur for B.E. Second & Third Year CSE/IT/EXTC students on 19th March 2017 at SSGMCE.	Nil	120	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	Nil	Nil

## 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	55	4	Accenture	1	1

Consultancy Services Ltd., Pune			India		
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2016	1	B.E Computer Science and Engineering	B.E Computer Science and Engineering	Dr. Baba Saheb Ambedkar Marathwada University, Aurangabad	ME
2016	2	BE Electrical (Electronics & Power)	Electrical Engineering	College Of Engineering Pune	ME
2016	3	BE Electrical (Electronics & Power)	Electrical Engineering	NIT Warangal	Mtech
2016	1	BE Electrical (Electronics & Power)	Electrical Engineering	FANSHAWE College London (Canada)	MS
2016	3	B.E. (Electronics and Telecomm unication Engg.)	Electronics and Telecomm unication Engg.	MIT, Pune	MBA
2016	1	B.E Mechanical Engineering	Mechanical Engineering	VJTI Mumbai	MTech
<a href="#">View File</a>					

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	17
Any Other	7
<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
Culfest	Institution	1000
Dahihandi	Institution	900
Ganesh Utsav	Institution	600
Youth Festival	University	38

Cricket	University	32
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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
2016	Volley Ball Team (W) Third	National	1	Nil	Nil	Nil
2016	Basket Ball (Colour Coat)	National	1	Nil	303394	Pratiksha Somani
2016	Basket Ball (Colour Coat)	Nil	1	Nil	303561	Mahesh Tayade
<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 Student council and students actively get involved in various committees. 1. Student Council: The purpose of the Student Council is to serve for the benefit of the student community. It shall serve as a channel through which the student community can voice their opinions and concerns. The Student Council shall continuously strive to identify student- related issues and help resolve them, thus building a healthy environment in the institute. The representatives of each class, professional bodies, students chapters, hostel, sports and cultural committer are the members of student Council. 2. IQA Cell: The students are part of this committee so that the IQAC ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings. Students representative provide the feedback on various student issues and contribute towards improvement in the institute's working 3. Professional Bodies and Department Students Chapters:- In professional bodies like ISTE, IEEE, and in students chapters student representatives actively participate by conducting various activities, technical events and quizzes for students. 4. College Magazine Committee(Tatwadarshi): Students representatives who are nominated in the editorial board help to collect articles, poems, drawings etc from students. They compose, edit and take initiative in printing the newsletters at Department level and work for the preparation of magazine at college level. Faculties of the editorial board will guide them in the entire process of printing and releasing the magazine. 5. Cultural Committee: The institution conducts annual cultural festival , First year Inaugural function, Fare Well function through Cultural committee. From all departments, students representatives will be the members of Core committee. They will help the faculty in charge in organizing these events 6. NSS Committee : Students contribution to the society is significant and SSGMCE students always show their concern in this regard. There is a NSS unit in the institution and volunteers of this committee will organize programs like NSS Camps, , Blood donation camps ,etc. 7. Sports Committee - The student volunteers will help physical Education Director in organizing team events at college level and intercollegiate level. 8. Anti ragging Committee - Student representatives will



play a major role in informing ragging cases, helping to create harmony and to curb ragging. 9. Anti sexual harassment Committee: Girl students and Faculty Members will be the members of this Committee. The student members assist to the concerned Committee coordinator if any harassment issues for further action. 10. Grievance Committee: Any type of Grievances regarding common facilities or academic related issues will be brought to the notice of the concerned by the student members of this Committee. Regular interactions are scheduled through meetings. If any grievances are reported, then faculty member who is the Coordinator of this committee will bring it to the notice of higher authorities. Further, the matter will be resolved soon 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. Objectives of Alumni Association: To bring together alumni of the institution. To foster a sense of community and connection among alumni. To provide opportunities for networking and career development. To raise funds for the institution. To update alumni on the current state and future plans of the institution. To honour and recognize distinguished alumni for their achievements. To give current students an opportunity to connect with alumni and learn from their experiences. To allow alumni to reconnect with former classmates and friends. To provide opportunities for alumni to give back to their alma mater through volunteering or philanthropy. To create a platform for alumni to share their knowledge, skills and expertise with the current students and faculty. Alumni Association organized Alumni Meet at the campus every year. Till today, total 23 alumni meet have been organized at various places. Since 2015, the meets are organized at the campus. On this occasion, the newsletter is also published. Alumni Association has launched its own portal ([alumni.ssgmce.ac.in](http://alumni.ssgmce.ac.in)). About 11,600 alumni have been a part of member directory.

5.4.2 – No. of enrolled Alumni:

10265

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

1042101

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet was organized on 14 th January 2016

### 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 frame work of AICTE, DTE and Sant Gadge Baba Amravati University, Amravati. The vision-mission of the institute have been decided with active participation of Principal, HOD, Dean, Alumni, Industry Personnel, employers, parents, faculty members, and students. The Principal in consultation with LMC sets the direction towards the fulfilment of vision and mission through perspective plan. The Institution policy believes in involvement of all staff members in decision making and implementing the decentralized decision policy. Institute encourages participative management by involving faculty members for solving problems and taking appropriate decisions

at various levels like CDC, IQAC, HOD for the effective growth of institute. Principal in co-ordination with HODs and senior faculty members, appoints the coordinators and members of the committee. The coordinators review the work of committees for smooth functioning of co-curricular and extracurricular activities. Academic decentralization is done through Dean Academics in coordination with HODs and faculty members of various departments. Administrative decentralization is achieved through Registrar in coordination with office staff. Student affairs are dealt through Dean, faculty coordinators and students' council. Two practices of decentralization and participative management are mentioned below. 1. The college annually organizes a National Level Technical Symposium 'Pursuit and a National Level Management Symposium 'Parishkriti' in even semester. During these symposiums, various technical events including workshops, Paper Presentations, Project Competitions, and Technical Talks etc. are organized for Engineering, Polytechnic and Management students. Principal, HODs and senior faculty members appoint faculty coordinators to conduct these symposiums. These platforms provide an exposure to all students to interact with the various eminent personalities of their domain and get a chance to showcase their hidden skills. It also aims at boosting the technical skills and creativity of the students, thereby helping them to gain technical, practical knowledge and promote the talent of students. The Student Council selection committee, comprising of Principal, HODs, Faculty In charge for sports, Faculty In-charge for Cultural and NSS In-charge, is formed for the selection of the various posts through an Interview process. The faculty coordinators along with Students Council conduct the meeting and propose the plan to form various committees like inauguration, registration, project exhibition, publicity etc. 2. Computing Facility Development: The requirement of new computers with the latest configuration was asked from Computer and IT Department. The revised syllabus for Computer and IT departments required latest configuration computers. The laboratory in charge faculty members initiated the requirement. Faculty in charge and HODs prepared the list of the best brands and specifications. Quotations were invited from the vendors and comparative statements were made by HODs of Computer and IT departments in consultation with Principal and Registrar. The final approval was obtained from the Management and Governing Council. Then, the purchase order was issued. The required number of Computers was received by both the departments and Quality check was done. Thus, laboratory in charge staff, HOD, Registrar, Principal, Governing Council, and the Management were involved in the process of procurement of Computers accomplishing the de-centralization 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
Human Resource Management	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 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. Many benefits are given to the staff to retain them

**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.

**Library, ICT and Physical Infrastructure / Instrumentation**

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>Admission of Students</p>	<p>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 <a href="http://www.ssgmce.ac.in">www.ssgmce.ac.in</a>. 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.</p>
<p>Curriculum Development</p>	<p>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</p>
<p>Teaching and Learning</p>	<p>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</p>

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.

**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 practises, enhancing the quality of teaching and research.

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

E-governace area	Details
Administration	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..
Planning and Development	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.

Finance and Accounts

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 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
2016	G.N.Bonde	three days course on skill Development Programme from 21st Nov to 24th Nov 2016, conducted By Mitsubishi Electric India Pvt, Ltd.	Nil	3000
2016	R.S.Kankale	three days course on skill Development Programme from 21st Nov to 24th Nov 2016, conducted By Mitsubishi	Nil	3000



		Electric India Pvt, Ltd.		
2016	A.S.Welankiwar	three days course on skill Development Programme form 21st Nov to 24th Nov 2016, conducted By Mitsubishi Electric India Pvt, Ltd.	Nill	3000
2016	Dr. S.R.Paraskar	Three- day workshop "Custom Power Devices Power Quality Enhancement" organized by Department of Electrical Engineering, National Institute of Technology Jaipur	Nill	6500
2016	Prof. S.S.Jadhao	Three- day workshop "Custom Power Devices Power Quality Enhancement" organized by Department of Electrical Engineering, National Institute of Technology Jaipur	Nill	6500
2017	Prof. M.R.Chavan	Attended one week EDP on enhance learning Through various audits in electrical Engg on 24th to 30th apr 2017 (conducted by ISTE, PES Modern college, pune)	Nill	3000
2016	Mr. V.S.Karale Mr. S.S.Jadhao	UVTG Based Dynamic Voltage Restorer For	Nill	8000

		Mitigation of Voltage Sag		
2016	P. R. Wankhede	International IEEE conference on signal processing communication, power and embedded system (SCOPEs) ODISHA, 03/10/2016	Nil	7759
2016	P. R. Wankhede	Nil	IEEE Professional Membership	14500
2016	Dr. H. M. Jha Bidyarthi	International Conference on Management Cases - ICMC 2016 organized by Birla Institute of Technology (BIMTECH), Greater Noida	Birla Institute of Technology (BIMTECH), Greater Noida	13000
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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	Nil	Training Programme on importance of Communication Skills	01/05/2017	06/05/2017	Nil	25
2016	Three days Faculty Development Program on "PLC Factory Automation	Nil	19/06/2016	19/06/2018	15	Nil
2016	Nil	Awareness Program on Electrical Safety	22/12/2016	23/12/2018	Nil	55

2016	Three day WorkshopLab view basics and implementation for control, data acquisition and image processing 23rd sept to 25 th sep 2016, SSGMCE, Shegaon	Nil	23/09/2016	25/09/2016	Nil	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 professional development programme	Number of teachers who attended	From Date	To date	Duration
Workshop on Lab VIEW-Basics and implementation for control, data acquisition image processing	46	23/09/2016	25/09/2016	3
STTP on Project Based Learning Using ARM Processor	2	16/08/2016	17/08/2018	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
83	16	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, Chartered Accountant as Auditor. He conducts audit twice in one Financial Year. The Audit is carried out to check various Vouchers, Ledgers, Bank Accounts Cash Book, Tuition Fee Reconciliation,

Fixed Assets, Investments Advances etc. Income Expenditure Balance Sheet is thoroughly checked by him.

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
Management (Shri Sant Gajanan Maharajcollege of Engineering ,Shegaon)	150000	For Project work
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

424398

## 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	Nil	Yes	Principal
Administrative	Yes	Shri Prabhakar Risbud,	Nil	Nil

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

? Feedback is taken from parents especially those from engineering field to improve teaching learning and technology advancement. ? Parent-teacher meetings are organised to address the issues of students and parents in all the constituent's units. ? Some of the constituent units have started online feedbacks from the parents. Feedbacks are analysed and corrective measures are taken. ? Many local parents offered active assistance in social and community activities.

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

Computer training programmes are organized in some of the constituent units for the non-teaching staff. ? Yoga classes are also conducted in some of the constituent units.? Training program is organized for laboratory assistance about the maintenance of equipment. ? The supporting staffs are also trained in various aspects such as accounting, maintaining office operation records and soft skills. ? Communication Skills workshop is organized to enhance communication skills of non-teaching faculty of the institution

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

Promoting research and innovation by encouraging faculty to undertake research projects, and providing funding and resources for research Initiative to support the academic and personal development of students. This includes providing career counseling, remedial classes, mentoring, and other support services. To enhance MoUs with allied industries. To Reframe the Course Outcomes for all subjects of the Program and do their mapping with PO and PSOs

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
2016	One day workshop on "Data Science and its Application"	18/08/2016	18/08/2016	18/08/2016	50
2016	Three days Entrepreneurship awareness Camp (EAC)	16/09/2016	16/09/2016	19/09/2016	300

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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
Group Discussion	19/03/2016	19/03/2016	232	118
Debate	19/10/2016	19/10/2016	91	101
Case Study Analysis and Discussion	02/04/2017	02/04/2017	169	187

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
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Braille Software/facilities	No	0
Rest Rooms	Yes	5
Scribes for examination	Yes	5
Special skill development for differently abled	No	Nil

students		
Any other similar facility	Yes	5

#### 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
2016	1	1	02/12/2016	2	Fundamentals of Computer and its Applications	Computer Literacy among schooling students	33
2016	1	1	29/04/2016	2	Introduction to Linux Internet Technologies.	Awareness about open source software and use of internet among schooling students	28
2016	1	1	30/12/2016	1	CDES Cell-Awareness of "Electronic Equipments their applications"	Fundamentals and Applications of Electronic Equipments	35
2017	1	1	23/01/2017	1	Guest Lecture- Cyber Crime Awareness	Cyber crime	150

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#### 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,

		<p>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</p>
Code of conduct for Students	22/06/2010	<p>Demonstrate honesty, integrity, and ethical behaviour in all academic and non-academic activities. Respect faculty members, staff, and fellow students, fostering a culture of mutual respect and inclusivity. Attend classes regularly, actively participate, and submit assignments and assessments on time. 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. Maintain the confidentiality of sensitive information and</p>

		<p>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. Participate in professional development activities to enhance skills and knowledge. Adhere to the policies and guidelines set forth by the college administration..</p>
<p>Code of conduct for Administrator</p>	<p>22/06/2010</p>	<p>Lead by example, demonstrating ethical behaviour and integrity. Promote transparency, fairness, and accountability in decision-making processes. Foster an environment conducive to academic excellence, innovation, and growth. 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. Maintain effective communication channels with all stakeholders. Regularly assess and evaluate institutional practices to ensure continuous improvement Lead by example, demonstrating ethical behaviour and integrity. Promote transparency, fairness, and accountability in decision-making processes. Foster an</p>



		<p>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. Maintain effective communication channels with all stakeholders. 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. 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 ethical conduct and professionalism in all interactions related to</p>

## 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	17/09/2016	17/09/2016	152
Guest Talk (Bhagvad Geeta for managers) by Swami Satyarupanandaji, Secretary, Ramkishna math, Raipur, Chattisgarh	24/09/2016	24/09/2016	195
Spiritual Discourse by Ramayani Maharaj	18/02/2017	18/02/2017	220
Case Study Analysis and Discussion	25/02/2017	25/02/2017	47
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## 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Energy conservation.
2. Use of Renewable energy.
3. Waste water recycling.
4. Open well recharge.
5. Tree plantation.

## 7.2 – Best Practices

## 7.2.1 – Describe at least two institutional best practices

The academia is having a good number of unique and constructive practices which 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 center, Electric Vehicles Unit, and Entrepreneurship Development Cell are the core of these practices. We feel that the below mentioned two practices 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 practices, 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 Centers are established, which facilitates joint research, technology transfer, and industry-driven training programs. Regular industry visits are organized 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 specialized 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 specialized 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

Being different has been treated as good and being good is being treated as different, these days. If an organisation is capable to distinguish, it's definitely in a pipeline to flourish, leave apart the worries to get perished. Shri Sant Gajanan Maharaj College of Engineering, Shegaon, almost for last four decades, has been scattering this "Goodness" backed by numerous other

attributes to serve humanity. 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/ distinctiveness of the institution can be abridged as "An endeavour to implant and nurture a perfect blend of spirituality and technology for the service of rural and global (Glocal) community". Various aspects like "Sangyansuktam" (Prayer for universal harmony taken from Rigveda), lectures and sessions from monks, spiritual practitioners from Ramkrishna Math and other organisations, organisation of Palkhi/ dindi/ granth dindi, celebrations on birth anniversaries and death anniversaries of great souls, Yoga coaching, meditation, daily prayer in the prayer hall, availability Swadhyay kaksh (Room), an enriched library with a good number of books not only on curriculum but also on personality development, culture, religion and spiritual practice, an exclusive section called Sparsh including books by the stormy monk Swami Vivekananda and his colleagues, inputs from faculty members well equipped with the UHV (Universal Human Values) courses and through subjects like Business Ethics, Values and Ethics reflect the efforts to elevate Spiritual Quotient. The technology side of the institute can be represented through a 24 hours uninterrupted wi- fi facility, FabLab established through expertise Vigyan Ashram, Pabal, Pune, availability of SAP (Systems, Applications and Products) Software, CNC (Computer Numerical Control), Simulation exercises by Circular Angle, Mumbai, Solar Research Laboratory, Making of e- bicycles and e- vehicles, Award winning projects in Smart India Hackathon, Students' activities like Pursuit and Parishkriti, Water Recycling Plant, Turnitin Plagiarism Checker Software, Usage of Office Teams, OPAC (Online Public Access Catalogue) Library Software etc. Considering the countryside/ rural pockets of Vidarbha region and Maharashtra State, the institution truly counsels and assists the students for the choice of the right career path, admission process, document verification and difficulties in option form filling. An exclusive freeship, free mess and hostel accommodation for hard working, genuine students belonging to bottom of the pyramid is provided. Considering the marginal farmers and the allied farmer suicides in the region, institute is with a novel brainchild of unique "Earn and Learn" mechanism within the premises. A fine utilitarian E Cell mentors student aspirants for entrepreneurship, Start- Ups and family business as well. An array of projects, internships and community development services are done in the nearby rural vicinity. More than one thousand alumni from around twenty countries through high positions like Director, Vice President, and Heads etc in multi national corporations are serving the global community with the leadership backed by values imbibed in the institution. Hundreds of other alumni are working with Private and Public sector, non profit organisations and universities/ educational institutions too.

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**

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 and infrastructure. Investing in advanced laboratories, equipment, and research collaborations to encourage faculty and students to pursue research in various engineering fields. Strengthening the ties with industries to facilitate internships, industrial visits, and guest lectures by industry professionals. Collaborations can provide students with practical exposure and opportunities for skill development. To make graduates more employable, offering skill enhancement programs, such as workshops, seminars, and certification courses. These initiatives aim to supplement the core curriculum with additional industry-relevant skills. Strengthening entrepreneurship cells and establishing

incubation centres. These initiatives can provide guidance, resources, and mentorship to students interested in starting their own ventures. Focusing on faculty development programs to enhance teaching methodologies, research capabilities, and industry exposure. These programs can improve the overall quality of education and faculty-student interactions. Improving the infrastructure, including classrooms, libraries, computer labs, and sports facilities. Organising workshops on industry, academia, innovative practises, and entrepreneurship. Offering industry-aligned courses and carrier guidance (mock interviews, aptitude tests, etc.) 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. Organising awareness campaigns and workshops on eco-friendly practises, such as tree plantation, rainwater harvesting, and waste management. Installing solar panels and exploring energy-efficient solutions for campus buildings. Evaluating existing administrative processes and identifying areas where automation can streamline operations. Strengthening career counselling and placement services to provide guidance and support to students. Continuously updating the curriculum to align with industry requirements and enhance students employability skills. Submitting the proposals to funding agencies. Quality Paper Publications in SCI, SCOPUS, Web of Science, UGC Notified Journals, and reputed conferences. Increasing book, book chapter, and monograph publication. Encouraging faculty for patent copyright proposal submission. Submission of an application for NBA accreditation. Increasing PhD scholar registration. Increasing the participation of students in NSS/NCC events like blood and book/cloth donation camps. Initiatives for an eco-friendly campus. Increasing student campus placement with a good salary package. Increasing the number of feedbacks from alumni, employers, and academicians.