YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	SHRI GURU GOBIND SINGHJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, VISHNUPURI, NANDED
• Name of the Head of the institution	Yashwant V Joshi
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	02462229234
• Alternate phone No.	02462269101
• Mobile No. (Principal)	8788199586
• Registered e-mail ID (Principal)	director@sggs.ac.in
• Address	SHRI GURU GOBIND SINGHJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, VISHNUPURI, NANDED-431606 (MAHARASHTRA STATE)
• City/Town	Nanded
• State/UT	Maharashtra
• Pin Code	431606
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	24/02/2005
• Type of Institution	Co-education

• Location	**Urban**	
• Financial Status	**Grants-in aid**	
• Name of the IQAC Co-ordinator/Director	**Dr. Manesh B Kokare**	
• Phone No.	**02462269132**	
• Mobile No:	**9421474393**	
• IQAC e-mail ID	**mbkokare@sggs.ac.in**	
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.sggs.ac.in/home/page/IQAC	
4.Was the Academic Calendar prepared for that year?	**Yes**	
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.sggs.ac.in/home/page/Academic-Calendar	

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B++**	**2.91**	**2020**	**14/02/2020**	**13/02/2025**

6.Date of Establishment of IQAC	**10/08/2018**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
SGGSI&T Nanded (Dr. S S Gajre)	AICTE-IDEA Lab	AICTE	05/07/2021	5500000
Instrumentation Engineering Department (Dr B M Patre)	Research Project	BRNS	22/10/2021	1000000
Instrumentation Engineering Department (Dr. R H Chile)	AICTE-QIP	AICTE	10/02/2022	1989000

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File	

9.No. of IQAC meetings held during the year	1

• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes

• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year?	No

• If yes, mention the amount	

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

1) Faculty members of the institute have done an oxygen audit of all COVID hospitals in Nanded during a pandemic. 2) Institute Academic section has developed an online teaching Learning effective mechanism during pandemics. 3) Institute Examination System has developed proctored online examination System during pandemics. 4) Institute continued its culture of imparting quality teaching-learning through research and development. In recognition of this, on 15th September 2021, Dr. Sanjay N Talbar, Professor of Electronics and Telecommunication Engineering honored with National Level "AICTE Visveswaraya Best Teacher Award" for the year 2021-22, from All India Council for Technical Education (AICTE) New Delhi in recognition of outstanding work in technical education. The award carries a Certificate, Memento, and Cash prize of Rs. 25,000/-. The award was conferred by the Hon'ble Minister of Education, Government of India, on 15th September 2021 (Engineers Day). 5) To improve the quality of students during the pandemic lockdown, students were encouraged to do an online certificate course from Coursera. More than 6000 courses have been completed by faculty and students during Lockdown period.

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

Plan of Action	Achievements/Outcomes
Innovation	Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc during the year. 1. Institute has started a policy for Incubation/pre-incubation for startups. We also promote lateral incubation, where established organisations can open their R&D centers on campus. a. In AY 2021-22, a group of M.Tech. students incubated their startup "Solutions Touch Pvt. Ltd." (http://www.solutionstouch.com/) in the IT Services sector. A MoU was signed with them on 28-June-2021. The Startup is working in field of information Technology and Services Institute collaboration since March 2021, The Institutes MIS is under development with the solution Touch (https://sggsmis.online/) b. Aquainformatics (Earlier 'Hydro-Envi' during pre-incubation) Pvt. Ltd. was set up in 2019 which has been working in the field of Civil, Water Management, environmental, etc. since November 2019. The MoU with them is extended further on 29-Nov-2021. c. Earlier to this Cosmers Pvt. Ltd. working in field of ITES was incubated in since 2019. The founder is B.Tech. CSE graduate of 2020. He has now shifted operations to Mumbai.

Establishment of AICTE IDEA Laboratory	We have established SGGSIET-AICTE IDEA Lab (IDEA = Idea Development, Evaluation & Application) - an initiative of AICTE, New Delhi - in which Institute will invest Rs. 55 Lakh and AICTE has funded Rs. 55 Lakh. The sanction letter of IDEA Lab has No: AICTE/IDC/IDEA202000182/2021 dated 17-Jun-2021. a. The missions of this IDEA lab are: Enhanced hands-on experience, Learning by doing, and Product visualization b. Ours is one of the 5 institutes from Maharashtra, and only institute from Marathwada and Vidarbha selected in phase 1 of IDEA Lab establishment process - in which about 250 applications from various institutes from all across India, 49 institutes have been selected. c. IDEA Lab will be open 24x7 for multidisciplinary projects, Design Thinking Methodology, Prototyping, etc., which will 3-D printing, CNC Laser cutting, CNC Wood cutting, PCB designing, PCB manufacturing, etc. d. IDEA Lab is envisaged to make engineering graduates more imaginative and creative, besides getting basic training in the 21st century skills like critical thinking, problem solving, design thinking, collaboration, communication, lifelong learning, etc. The lab can empower the students and faculty to "engage, explore, experience, express and excel", addressing the need of new-age learning. It also would serve as

	an infrastructure for students and faculty to take up and promote multidisciplinary education and research. e. Faculty would be encouraged to get trained in these Labs and strive for creating problems/ projects/ internships in their own subjects/ disciplines and mentor the students.
MoU with Industry Association	Memorandum of Understandings (MoU) with Industries, Industry organizations, and Incubation Centers: a. MoU with SIBIC (Siddham Innovation And Business Incubation Centre, Kolhapur) was signed on 5-Jul-2021 for cooperation in Innovation and Incubation. b. Earlier to this, following MoUs were signed (some of which are still in force in AY 2021-22: i. MoU with Nashik Industries Manufacturing Association (NIMA) ii. MoU with Marathwada Accelerator for Growth and Incubation Council (MAGIC), Aurangabad run by Chamber of Marathwada Industries & Agriculture (CMIA). It is a Business Incubator (BI), Recognized by the Maharashtra State Innovation Society. iii. MoU with Atal Incubation Centre-Rambhau Mhalgi Prabodhini (AIC-RMP) Mumbai iv. MoUs with different industries like Endress + Hauser Flowtec Pvt Ltd, SAI Technology USA, Theia New Consultancy LLP, Solace Cogen (P) Ltd, John Deere India Pvt Ltd, LAURUS Infosystems Pvt. Ltd., Expert Global Solutions Pvt. Ltd. Aurangabad, etc., Theia New Consultancy LLP, etc. v. International Research

	Collaboration with UTP Malaysia and City College, University of New York vi. MoUS with leading educational organisations like Visvesvaraya National Institute of Technology, Nagpur, Veermata Jijabai Technical Institute, Mumbai, College of Engineering, Pune, Walchand College of Engineering, Sangli, Swami Ramanand Teerth Marathwada University, Nanded, etc.
Induction Program for First Year Engineering Students	Three week induction program was organized for first year Engineering students during Feb 2021. The main aim of this program was to introduce students engineering values and ethics at the beginning of their career and get acoomstomed with new enviornment of Engineering education system. based on Jeevan Vidya (Universal Human Values), experts from various disciplines were invited to give orientations to the stuudents.

13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Heads and Deans Meeting	15/03/2023

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2022	31/12/2022

15. Multidisciplinary / interdisciplinary

Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIE&T) has recognized the importance of multidisciplinary and interdisciplinary education to prepare students for the complex and rapidly changing global workforce. Some of the efforts taken by engineering institutes for multidisciplinary and interdisciplinary education are:

1. Curriculum Development: Our institute is revising its curriculum to incorporate interdisciplinary subjects not traditionally taught in engineering courses. This includes courses like ethics, the Constitution of India, Finance for Engineering Students, Sustainability, Robotics, Machine Learning, Artificial Intelligence, Economics, public policy, etc. First Year curricula are revised in AY 2022-23. In 2023-24, the second-year syllabus will be revised accordingly and tuned up.

2. Collaborations: SGGSIE&T has encouraged all ten departments to collaborate to promote interdisciplinary education. For example, Electronics and Telecommunication Engineering departments may work with Mechanical Engineering to create minor degree programs that give students a broader perspective.

3. Multidisciplinary Research: SGGSIE&T motivates students and faculty to address complex, multidisciplinary problems. This research often involves collaborations across fields such as engineering, medicine, and social sciences. In the institute to strengthen multidisciplinary research, Robotics for Next Generation Cell, Center of Excellence in Signal and Image Processing, Robotics center, Technology Innovation & Entrepreneurship Center, and IDEA Laboratory is established.

4. Experiential Learning: SGGSIE&T has made efforts from the first year of Engineering to promote innovation and creativity in the students by offering Engineering Exploration. Institutes incorporate experiential learning opportunities like internships, co-ops, and project-based courses to expose students to real-world, multidisciplinary problems.

5. Interdisciplinary Centers: In the institute to strengthen interdisciplinary research, Robotics for Next Generation Cell, Center of Excellence in Signal and Image Processing, Robotics center, Technology Innovation & Entrepreneurship Center, and IDEA Laboratory is established. This brings faculty and students from different departments to work on common resjointthemes. These centers also provide a platform for interdisciplinary education, including seminars, workshops, and courses.

6. Student Organizations: SGGSIE&T is encouraging the formation of student organizations that focus on multidisciplinary and interdisciplinary topics. These organizations allow students to collaborate with peers from different fields and engage in hands-on projects.

Overall, SGGSIE&T has recognized the importance of multidisciplinary and interdisciplinary education in preparing students for the complex and rapidly changing global workforce and are taking significant steps to promote it.

16. Academic bank of credits (ABC):

Academic Bank of Credits (ABC) is a digital platform that allows students to store their academic credits earned from different institutions and transfer them across universities and colleges. This system aims to promote the mobility of students and create a more flexible education system. SGGSIE&T Nanded has also made several efforts to facilitate the implementation of the Academic Bank of Credits, some of which are:

1. Curriculum Mapping: SGGSIE&T has mapped its curriculum to the model curriculum of AICTE to ensure that the credits earned by the students are aligned with the courses offered in different universities and colleges. This mapping helps seamlessly transfer credits from one institution to another.

2. Faculty Training: SGGSIE&T has trained its members to understand the ABC system and its functioning. The faculty members are also trained to guide the students on using the system and transferring their credits.

3. Enrollment and Creating Awareness about ABC: SGGSIE&T has enrolled for ABC on the national ABC portal and is creating awareness about the ABC system among students,

parents, and other stakeholders. We will conduct seminars, workshops, and training sessions soon to educate the stakeholders about the system's benefits.

4. Integration with Student Information System: SGGSIE&T Nanded is poised to have integrated the ABC system with our student information system to ensure that the credits earned by the students are updated in real-time. This integration will help reduce the manual effort required to update the credits earned by the students.

Overall, Engineering institutes have made significant efforts to facilitate the implementation of the Academic Bank of Credits system, which will help in creating a more flexible and mobile education system for students.

17.Skill development:

SGGSIE&T play a crucial role in skill development by providing quality education and training to students. Here are some efforts taken by the institutes for skill development:

1. Curriculum Design: SGGSIE&T continuously updates its curriculum to keep up with the latest technologies and trends. Institute integrates practical and theoretical knowledge to give students a comprehensive understanding of their subject. Institutes also encourage students to take up industry-specific projects to develop practical skills.

2. Industry-Institute Collaboration: SGGSIE& Collaborate with various industries and organizations to provide our students internships, workshops, and training programs. Such collaborations help students gain exposure to real-world scenarios and acquire skills in demand in the industry.

3. Skill Development Centers: SGGSIE&T has set up Robotics skill development centers within the campus to provide students with training and certifications. This center offers hands-on training and mentorship to students, enhancing their practical skills.

4. Entrepreneurship Development: SGGSIE&T has also started TIEC – Technology Innovation and Entrepreneurship Center, to identify

students' entrepreneurial traits, build their entrepreneurial capacity, and encourage technology start-ups on the campus. Entrepreneurship development programs to promote self-employment among students. These programs help students develop business acumen, financial management, marketing, and product development skills.

5. Soft Skills Training: SGGSIE&T also focuses on developing students' soft skills, such as communication, teamwork, leadership, and problem-solving, by offering an Employability Course compulsory to Third Year Students of all the branches. This course provides training sessions to improve these skills, which are essential for student development and employability.

In summary, SGGSIE&T Nanded is taking various measures to develop students' skills and prepare them for the industry. These efforts benefit students and contribute to the economy's growth.

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

The Indian Knowledge system has a rich history spanning thousands of years, and integrating it into engineering education can provide a unique perspective and enhance the learning experience for students. Here are some steps SGGSIE&T is taking for appropriate integration of the Indian Knowledge system for teaching engineering in the Indian language and culture using online courses:

1. Identify the fundamental concepts of the Indian Knowledge system: The first step in integrating the Indian Knowledge system into engineering education is to identify the key concepts relevant to the subject. For example, concepts such as 'Sankhya' in mathematics or 'Vaastu Shastra' in Civil Engineering can be introduced to students.

2. Use Indian language and culture: Using the Indian language and culture can create a sense of familiarity and relatability for students. AICTE has already started designing courses in regional languages and including references to Indian mythology and culture. Only some faculty members from the institute are involved in translating those books into the Marathi language.

3. Use online resources: Students of SGGSIE&T Nanded are

encouraged to use online resources available that can be used to teach the Indian Knowledge system. Websites such as IndianScience.in, IndiaBioscience, and Vigyan Prasar provide information on the Indian Knowledge system in various fields.

4. Encourage critical thinking: SGGSIE&T Nanded encourages students to critically evaluate the Indian Knowledge system and its relevance to engineering. This can help them develop a deeper understanding of the subject and appreciate the diversity of knowledge systems. If students don't understand English, the teacher uses regional language to explain the concept.

In conclusion, integrating the Indian Knowledge system into engineering education can provide a unique perspective and enhance the learning experience for students. Using Indian language and culture, online resources, engaging with experts, encouraging critical thinking, and incorporating practical applications can help create a comprehensive course for Indian students.

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

SGGSIE&T Nanded has designed a student-centered approach to teaching and learning curriculum that focuses on defining measurable learning outcomes or competencies students should acquire by the end of a course or program. So overall syllabus is the Outcome Based. The primary goal of OBE is to ensure that students have the knowledge, skills, and abilities necessary to succeed in their chosen careers or fields of study. While designing the curriculum at SGGSIE&T Nanded, an OBE framework was kept in mind. To achieve this, course or program outcomes are determined by identifying the knowledge, and all that students need to acquire and then designing teaching and assessment strategies to achieve those outcomes. Learning outcomes are typically defined in terms of what students should be able to do rather than what they should know. Curriculum designed in SGGSIE&T nanded OBE emphasizes the importance of aligning teaching, learning, and assessment activities to ensure that they all support the desired learning outcomes. This helps ensure that students learn what they need to know and can apply their knowledge and skills in real-world situations. While designing the curriculum and syllabus, the following care has been taken.

1. Clear learning objectives and measurable outcomes are

mentioned in each course syllabus, which helps to define clear and measurable learning outcomes. This makes assessing student performance easier and determining whether they have achieved the desired competencies.

2. A student-centered approach is the main focus while designing the curriculum and syllabus. This focuses on the needs of individual students and ensures that they have the knowledge, skills, and abilities needed to succeed in their chosen fields.

3. The flexible syllabus of SGGSIE&T Nanded makes it easier to adapt to changing needs in the job market.

4. Continuous improvement in teaching and learning by providing a framework for assessing and refining learning outcomes and teaching strategies.

5. The curriculum is designed to produce graduates with the knowledge, skills, and abilities that employers are looking for, which can lead to higher employer satisfaction levels.

Overall, the outcome-based education offered by SGGSIE&T Nanded can be an effective way to ensure that students acquire the knowledge, skills, and abilities they need to succeed in their chosen careers. However, it is essential to consider the potential advantages and disadvantages of OBE and to plan and implement the approach to maximize its benefits carefully.

20.Distance education/online education:

Distance education (online) is partially offered in SGGSIE&T Nanded in final year B. Tech. In the last year, a project internship is provided in the eighth semester. During that time, students can complete coursework online from NPTEL or SWAYAM. This form of education allows students to learn remotely without the need to attend physical classes in a traditional classroom setting. Online education uses various technological tools, such as videoconferencing, online forums, email, and other digital platforms, to facilitate the delivery of educational content.

This is becoming increasingly popular due to its flexibility and convenience. It allows students to learn at their own pace and from anywhere in the world, as long as they can access a reliable internet connection. This form of education is also more cost-effective for students, as they do not have to incur the costs associated with commuting, textbooks, and other materials.

Overall, partial online education ioffered by SGGSIE&T Nanded is a valuable option for those who need the flexibility to balance their education with work, family, or other obligations. It has the potential to democratize access to education and provide opportunities for people who might not otherwise have access to traditional forms of education.

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**20**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1 Total number of students during the year:	**3153**

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2 Number of outgoing / final year students during the year:	**784**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	**3153**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**586**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	**63**
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	**139**
Number of sanctioned posts for the year:	

4.Institution

4.1	**1502**
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	

4.2	**35**
Total number of Classrooms and Seminar halls	

4.3	**1190**
Total number of computers on campus for academic purposes	

4.4	**452330817**
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum of all programmes is developed by theProgramme Educational Objectives (PEO) and Programme Outcomes(PO), which in turn are in tune with the mission statements of theInstitute. Developing the curriculum and the coursecontent considers the feedback from differentstakeholders, including academic and industrial experts. It ensures its relevance to local, regional, national, andglobal developmental needs.

Local and Regional Developmental Needs: Several courses in different programmes enable students to analyze local and regional needs and providesolutions. Substantial fieldwork in the surrounding villagespaves the way for the analysis of physical and socioeconomic factorsthat influence the development and future growth of the city (e.g., a Course on Textile Technology since, in nearby areas, a lot of cotton crop is harvested and cotton industries are in the surrounding). Students areoften challenged with the problems faced by small-scale industries(e.g., Tulsi paint Nanded and nearby sugar industries) and areenthused to provide relevant scientific solutions.

National and Global Developmental Needs: In tune with the national and global developmental needs, theInstitute has introduced several new programmes in Artificial Intelligence and Machine Learning, VLSI Design,Computer Science and Network Security, Product Lifecycle Management,etc.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.sggs.ac.in/home/page/Curriculum-and-Syllabus

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

10

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	[View File](#)
Details of syllabus revision during the year	[View File](#)
Any additional information	**No File Uploaded**

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

22

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

1.2 - Academic Flexibility

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

22

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

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

10

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

1.3 - Curriculum Enrichment

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

The Institute ensures the integration of relevant cross-cutting issues in all the programmes offered curriculum.

Gender

As part of the Ethics and Values course, students must address the issues related to women empowerment, child abuse, responsible living, and others. Rallies and street plays involving students address gender-related issues. As part of the curriculum Human values and Ethics, Indian Constitution courses are offered

Environment and Sustainability

Environmental Science is a mandatory course in all undergraduate programmes at the first-year level. In this course, students learn 'Environment Impact Assessment', 'Environment Quality Monitoring,' 'Environmental Audit,' and several others that address the issues related to Environment and Sustainability. Students are involved in green auditing of the campus and keep track of the carbon footprint of the campus.

Human Values and Professional Ethics

Course on Ethics and Values is mandatory for all undergraduate students. In this course, they learn Corporate Ethics, Business ethics, and Media Ethics, which are incorporated into the curriculum of relevant programmes. Topics on manners and etiquette are covered in courses related to soft skills. SGGSIE&T Nanded encourages students' participation in extracurricular activity and organizes the annual technical event "PRAGYYA" and Students gathering "UTSAV."

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

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

31

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

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

1440

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

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

630

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

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained	D. Any 1 of the above

from 1) Students 2) Teachers 3) Employers and 4) Alumni

File Description	Documents
Provide the URL for stakeholders' feedback report	http://sggs.ac.in/home/page/student-feedback-collection
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	**No File Uploaded**
Any additional information	**No File Uploaded**

1.4.2 - The feedback system of the Institution comprises the following — **D. Feedback collected**

File Description	Documents
Provide URL for stakeholders' feedback report	http://sggs.ac.in/home/page/student-feedback-collection
Any additional information	**No File Uploaded**

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

3100

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

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

2020

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

2.2 - Catering to Student Diversity

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

Assessing the learning levels of students

SGGSIE&T Nanded has a robust and dynamic mechanism for assessing the learning levels of the students. After admitting students to the institute AMCAT test is conducted for every student to know their proficiency. Soft Skills and English Language bridge courses are offered to low-proficiency students. After completion of these courses, the credit course on Professional Communication is provided at the first-year level. Also, customized bridge courses such as Engineering Exploration, Basic Mathematics, Programming for Problem Solving are offered as applicable. Special initiatives for Slow Learners Students scoring less than 40% in the first Continuous Assessment Test I (CAT-I) are classified as slow learners.

Special Programs for Advanced Learners

Opportunities exist for students to complement and enhance their learning experience by crediting additional courses in diverse areas. The Institute also facilitates research at the undergraduate level. The regulation also permits students to complete their capstone project as a Semester credit transfer scheme in a reputed college like the College of Engineering Pune, VJTI Mumbai, and Walchand College of Engineering Sangli. Also, students can do their final year project in Industry for one complete Semester.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2021	3100	63

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

SGGSIE&T Nanded introduced Curriculum which emphasizes student-centric methods. Most of the core courses have either a regular laboratory or project-based learning as a component as part of the course.

Participatory Learning: Active Learning Methods (ALMs) like Group Discussions, Workshops, Assignments, Technical clubs, Hackathon, etc., help the students whose learning style is in sync with Participatory Learning. Students are also encouraged to carry out group projects to learn with their peers, encourage teamwork and instill self-confidence.

Experiential Learning: Most core courses have either a regular laboratory or project component as part of the course. The students can "Learn by doing" in many courses. This can be either through conventional laboratory or project-based learning. The system at SGGSIE&T Nanded utilizes various techniques like simulations, demonstrations, case studies, etc., in implementing Project Based Learning. Such hands-on experiential learning enhances the technical skills of the students at SGGSIE&T Nanded.

Problem-Solving Methodologies: At SGGSIE&T UG, students undergo courses like "Engineering Exploration," "Programming for problem-solving," and "Minor and Major projects." This course aims to identify real-life problems and use engineering principles/technologies to address the issue. While solving the problems, students are expected to take care of technical, economic, social, environmental, political, and demographic feasibility.

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

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

The learning characteristics of the current generation of students are increasingly inclined toward digital, web, and mobile-based technologies. With recent advancements in ICT, the teaching-learning process at SGGSIE&T has been realigned and redefined, facilitating the implementation of all types of educational learning theories and delivery models that support and encourage innovative teaching and learning for theory and lab courses. SGGSIE&T Nanded has integrated ICT in education; SGGSIE&T Nanded uses WebEx, Google Classroom, and Moodle Learning Management System (LMS). Evaluation of student performance under various parameters over an extended period in the Semester is being carried out through Moodle. The LMS platform facilitates the optimization of services, such as user management, course management, online editing, data storage and access, visual analytics, academic tracking, accountability, session participation, attendance, mark assessments, tutorials, project evaluation, and assessment of performance. All classrooms are equipped with LCD, Wi-Fi, and SmartBoard. Each Department has a dedicated smart classroom with Lecture Recording System. SGGSIE&T Nanded has a vast collection of online resources; KOHA Library automation software and OPAC, Web OPAC system, which comprises full-text databases, e-journals, and e-books like ScienceDirect, Springer, IEEE, Taylor, and Francis, etc. It also has thesis databases like ProQuest.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://sggs.ac.in/home/page/ict-facilities
Upload any additional information	[View File](#)

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

2.3.3.1 - Number of mentors

63

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	**No File Uploaded**
Circulars with regard to assigning mentors to mentees	**No File Uploaded**

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

Process:

At the beginning of each academic Semester, an Academic Calendar is prepared by Dean Academics. The Academic Calendar covers all important dates for students, such as the start of the Semester, midterm and end-term examinations, holidays, result declaration date, the beginning of next Semester, vacation, etc. The Director approves the Academic Calendar. Based on the Academic Calendar, timetables are prepared for each program. Faculty members send teaching plans to the Director through the Department Head and Dean of Academics. The Faculty conduct revisions of remedial sessions as per the need.

Deployment:

The process of Academic Calendar, Time Tables, Teaching plan, and Teaching record is followed for UG and PG programs.

Benefits:

As the Semester progresses, each Faculty regularly updates the teaching record in the Moodle system. A periodic review is taken by the Head of the Department, the Dean of Academics, and the Director. This process helps in the assessment of faculty performance as well. The Academic Calendar helps students get complete visibility of events during the year, which ensures the activities and events happen exactly as planned and do not need additional communications.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<u>View File</u>

2.4 - Teacher Profile and Quality

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

63

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

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

40

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

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

1533

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

2.5 - Evaluation Process and Reforms

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

17

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

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

0

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

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

Examination Processes at SGGSIE&T:

All examination-related processes are integrated into the indigenous software developed by the Institute. All examination-related activities are carried out digitally. Written examinations are scheduled slot-wise per the students' course registration, with all details on hall tickets. Both relative and absolute grading is practiced based on the course type and mode and the number of students enrolled.

Conduct of Examinations: Examinations are conducted in offline mode. Faculty members are empowered to set their question papers. However, there is also a provision for setting common question papers for the same courses in multiple batches.

Evaluation of Answer Scripts:

The course coordinator assesses End Term Manuscripts centrally in the Examination section. Whereas, Individual course coordinators in the respective Department evaluate midterm manuscripts.Continuous Internal Assessment System: Insemester assessments carry an overall

weightage of 20%. This includes written tests and other assessment options like quizzes, seminars, Open Book (OB) tests, assignments, etc. OB examinations ensure that the students concentrate on developing their higher cognitive levels. Rubrics are well-defined and communicated to the students in advance. All assessments are mapped to the appropriate course outcomes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://sggs.ac.in/home/page/Exam-Section

2.6 - Student Performance and Learning Outcomes

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

In SGGSIE&T, all programs have generic Program Outcomes (PO), which ensure the attainment of graduate attributes. The programs also have Program Specific Outcomes (PSO), which address the program-specific requirements. The PSOs are formulated considering the expectations of the respective professional bodies of the program, like UGC and AICTE. After deliberation, the PSOs are approved by the separate Board of Studies (BoS) with representation from Industries. A team of faculty members handling the course develops the COs, which are deliberated and approved by the Board of Studies. The student performance based on assignments, quizzes, continuous assessment, and final assessment is mapped to specific Course Outcomes. This enables the precise quantitative valuation of the attainment of course outcomes based on students' output.

Publicizing PO, PSO & COs: The syllabus with POs and PSOs of all programmes are published on the Institute website. POs and PSOs are displayed at strategic locations in Schools. The POs and PSOs are made clear to all the students at the time of admission during the orientation programme. All course teachers make the course objectives, course outcomes, lesson plan schedule, evaluation pattern, etc., clear to the students in the very first class of the course.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	**No File Uploaded**
Link for additional Information	http://sggs.ac.in/home/page/Curriculum-and-Syllabus

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

Implementation of OBE and assessment: Course outcome attainment is calculated from all course-related assessments process using direct and indirect measures.

I. Direct attainment is calculated through Examinations, Assignments, and quiz, Projects or any other instrument used by the Faculty for assessment

II. Indirect Assessment

For every course in each Semester, formal online feedback from students for the courses offered in a semester. It provided objective information to the Faculty for self-appraisal, self-improvement, and development. Each Course Outcome's attainment level is fixed at 60% across the Institute. The direct method (90%) is based on marks obtained in assessment, and the indirect method (10%) is based on the student survey. Analysis of the attainment is presented to the course coordinator and HoD. The reasons for non-attainment are analyzed, and the course committee proposes necessary changes.

Assessment of POs and PSOs:

The Course Outcomes are mapped to appropriate PO and PSOs through the course and program articulation matrices in a weighted manner. Programme Core course grades are used to calculate PO attainment and Programme Specific courses for PSO attainment. This data is analyzed and discussed in BoS meetings, which recommend necessary changes.

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

2.6.3 - Pass Percentage of students

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

829

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<u>View File</u>
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

2.7 - Student Satisfaction Survey

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

<u>https://sggs.ac.in/home/page/Faculty-Feedback-</u>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

SGGSIE&T Nanded accords high priority for the promotion of quality research. Accordingly, the Institution has a well-defined policy for promoting research and regularly updating the research infrastructure. The institutional research policy is uploaded on the website (https://sggs.ac.in/home/page/PIDA). All the departments allocate adequate resources for procuring and maintaining state-of-the-art equipment and instruments in their annual budgets. The Institution also has centralized facilities and a Center of Excellence to cater to the research needs of faculty members and

students. Besides the equipment and instruments, the Institute subscribes to important research journals such as Elsevier, Springer, IEEE, ASME, and ASCE. To promote research quality and enhance the research output, the Institution has launched various research promotion schemes, including the Institutional Research Scholarship Scheme (IRSS) for full-time Ph. D research scholars. Seed money grant to young faculty members through the PIDA scheme of the Institute. Through PIDA Scheme, a "Research Award" to faculty members as a financial incentive for (i) Quality Publications, including journal publications, books, and book chapters, (ii) Patents, and (iii) Funded Projects. The Institution also provides full financial support for participation in national and international conferences in India and Abroad. Open access publication in high-impact factor publication is also supported.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.sggs.ac.in/home/page/Research-in-the-Institute
Any additional information	No File Uploaded

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

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

0

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

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

0

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

3.2 - Resource Mobilization for Research

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

104.16455

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

3.2.2 - Number of teachers having research projects during the year

4

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.sggs.ac.in/home/page/aicte-idea-lab-sggsiet-nanded
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

38

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

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

2

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://idealnet.aicte-india.org/list-of-idea-lab, https://aicte-india.org/schemes/faculty-development-schemes/QIP-Scheme
Any additional information	View File

3.3 - Innovation Ecosystem

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

The Institution has a well-established 'Technology Innovation and Entrepreneurship Center (TIEC). TIEC – Technology Innovation and Entrepreneurship Center is an initiative of Shri Guru Gobind Singhji Institute of Technology, Nanded, for identifying entrepreneurialtraits in the students building their capacity for entrepreneurship, and encouraging technology start-ups on the campus. TIEC administers a business incubator that provides support to Technology-based entrepreneurs. Thus, the TIEC is an extension to the research carried out on the campus, which enables its monetization either in the form of technology or technology converted into a product, which makes it relevant to Industry and societal needs. SGGS-TIEC provides access to infrastructure, prototype development, research assistance, funding, business consulting, etc., in a single window to early-stage technology entrepreneurs. It also makes use of the vast research infrastructure of the Institute. Towards establishing a conducive innovation ecosystem, as part of the Curriculum, all students undergo various courses like Engineering Exploration, Research Methodology,

Patenting, Project Based learning. These project-based courses enable students to learn through hands-on projects. All Departments of the Institute periodically organize various hackathons, Design Thinking workshops, Codeathon and, PRAGYYA, KRISHI PRAGYYA (a national-level technical event), R-Magadon competitions for students to enhance their design thinking capabilities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Special Facilities Tab at https://www.sggs.ac.in/

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

35

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

3.4 - Research Publications and Awards

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

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

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

3.4.2.1 - Number of PhD students registered during the year

21

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

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

29

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

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

09

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

95

File Description	Documents
Any additional information	**No File Uploaded**
Bibliometrics of the publications during the year	<u>View File</u>

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

3.4.6.1 - h-index of Scopus during the year

404

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<u>View File</u>
Any additional information	**No File Uploaded**

3.5 - Consultancy

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

57.6

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

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

0

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

3.6 - Extension Activities

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

SGGSIE&T Nanded strongly believes in the need for the holistic development of students. Accordingly, the Institution is putting forth consistent efforts in directing the students' energy toward addressing the real-life issues of the ordinary person and society. All students undergo a two-credit course on "Engineering Exploration," in which students as project teams take up a problem of the neighborhood community and develop innovative technical solutions to these problems. SGGSIE&T Nanded has over 17 clubs, chapters, and active student bodies, providing a platform for students to indulge in various co-curricular, extracurricular, and outreach activities. A detailed account of the objectives and activities of various student clubs is available on the website https://sggs.ac.in/home/page/Student-Activities. Some of the significant outcomes of these initiatives are: The vigorous efforts of multiple clubs and chapters of SGGSIE&T Nanded have led to planting thousands of trees and improving the green cover all over campus. SGGSIE&T Nanded remains an Institution with many Blood Donations for over 25 years. Organizing the National level technical event "PRAGYYAA" gives students all over India a platform to showcase their technical talent. Annual State level sports event ZENITH gives a platform to all the students of the Maharashtra state to participate in sports activities.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://sggs.ac.in/home/page/Student-Activities

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

0

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

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

13

File Description	Documents
Reports of the events organized	[View File](#)
Any additional information	[View File](#)

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

702

File Description	Documents
Reports of the events	[View File](#)
Any additional information	**No File Uploaded**

3.7 - Collaboration

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

175

File Description	Documents
Copies of documents highlighting collaboration	[View File](#)
Any additional information	No File Uploaded

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

8

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Classrooms:

SGGSIE&T has 35 classrooms catering to the needs of UG and PG programs, including specialized interdisciplinary programs. All the classrooms have LCD facilities and Wi-Fi connectivity and are equipped with smart boards and whiteboards. This facilitates the multimedia presentation and enables lecture capturing. It is well-equipped with effective teaching and learning facilities as per AICTE guidelines.

Teaching & Research Laboratories:

SGGSIE&T Nanded has 95 laboratory facilities for the hands-on training of UG and PG students. Additionally, it has specialized laboratories that provide interdisciplinary facilities with state-of-the-art equipment for PG & Ph.D. students to carry out their research work. Several laboratories are funded by Industry,

including Mentor Graphics, Emmerson-Pass Laboratory, Endress and Hauser Laboratory, Center of Excellence in Signal and Image Processing.

Computing Equipment:

With foresight, SGGSIE&T Nanded has established IT infrastructure widely spread across academic buildings, laboratories, and hostels using a high-speed, robust network with access to the Internet through multiple ISPs. All computers are connected to the Internet over high-speed cables facilitating a 1:3 with network services with 1.1 Gbps of internet bandwidth and over 25 Wi-Fi access points. The security solutions from McAfee, CISCO AMP & K7, etc., are used to secure campus IT facilities.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://sggs.ac.in/home/page/ict-facilities

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

Sports and Yoga Facilities

At SGGSIE&T Nanded, students are groomed to have a holistic personality. To be mentally and physically fit, SGGSIE&T Nanded provides state-of-the-art facilities with magnificent, airconditioned state-of-the-art gymnasia, playgrounds, stadiums, indoor courts, and several centers for physical education and sporting activities that help students stay as fit as a fiddle. The Institute has outdoor sports facilities like the 400m track and field at the ground has flood light, and Turf Pitched Cricket Ground, Basketball Court with Floodlights, Lawn Tennis Court with Floodlights, Volleyball Courts, Badminton court, Kabaddi Ground, Football Ground, Indoor Table Tennis Hall, Table Tennis, Chess, and Carrom Boards. The State-of-the-art Air-Conditioned Gymnasium, Yoga Hall, and Table Tennis Hall are available indoor sports facilities. Institute conducts state-level sport event ZENITH.

Facilities for Cultural Activities:

At SGGSIE&T Nanded, education is confined not only to academic excellence but also to the overall development of students. SGGSIE&T

conducts various events through the 17clubs & chapters to meet this objective. The Institution has adequate infrastructure to complete all these activities through the available auditoriums, open-air theatres, seminar halls, and smart classrooms. These facilities also enable the Institution to organize PRAGYYA and UTSAV, the annual national technical event and social gathering.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	https://sggs.ac.in/home/page/sports-facilities

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

28

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

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

0

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

4.2 - Library as a Learning Resource

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

SGGSIE Library is 1126.66 sq. M. surrounded by a lush green area

with 75,513 books and 3959 bound volumes of National and International journals—Book Bank Scheme for SC and ST students. An attractive Reading Room has a capacity of 250 students, where readers find a conducive environment for reading. We also provide an earn & learn facility for the students of economically weaker sections, where they can work in the Library and earn through it. The Library contains all kinds of books needed for the students.

Library Automation: KOHA Library automation software, OPAC, as well as the Web OPAC system, is made available in the Library. The Library has adopted ICT applications and technological innovations to improve user experience. Facilities such as self-check-in and check-out and an online renewal facility with SMS and e-mail alerts provide a seamless user experience. RFID Technology and biometric authentication. This KOHA has an enterprise-class ILS with comprehensive functionality, including modules for acquisitions, Circulation, cataloging, serials management, authorities, flexible reporting, label printing, multi-format notices, and offline Circulation when internet access is not available.

Online Journals like IEEE IEL Online, ASME, ASCE, Elsevier, ACM Digital Library, SpringerLink, IEEE Wiley e-books, Springer e-books.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sggs.ac.in/home/page/Central-Library

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

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

5.38267

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

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

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

0.64

File Description	Documents
Upload details of library usage by teachers and students	[View File](#)
Any additional information	**No File Uploaded**

4.3 - IT Infrastructure

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

Central IT Cell is established for Technical Support and maintains the policies governing SGGSIE&T Nanded. Faculty, students, staff, departments, and authorized visitors were granted permission to use the IT Infrastructure. They must comply with the guidelines. IT Cell has framed various policies like Procurement, Installation of Hardware, Networks, and Software. The email account has been facilitated to the employee and students. Website Hosting and Database Usage policy has its method and hierarchy, which is followed systematically. SGGSIE&T Nanded has a proper budgeting process to meet the IT budget needs of every Department. Requirement gathering happens at departments. Once the IT budget is finalized at the department level, the IT cell consolidates the overall budget. IT infrastructure has been widely spread, connecting all buildings with a high-speed, robust network backbone. Our computer network is built on a CISCO switching platform with a backbone of 11Giga. 1200+ IP-enabled devices are connected. Understanding the demands of Faculty and students to use digital media for their research, teaching & learning process, 1.1 Gbps of internet bandwidth is available through two major Internet service providers. Over 25 Wi-

Fi access points are positioned across the campus to facilitate the Internet.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3100	**1190**

File Description	Documents
Upload any additional information	**No File Uploaded**

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	**A. ?50 Mbps**

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

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	**A. All four of the above**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://www.youtube.com/@sggsvideolibrary95
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

770.5385

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

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

SGGSIE&T Nanded has established standard procedures and practices to provide excellent infrastructure facilities and periodic maintenance. The Planning and Monitoring are done by committee members comprising the Director, Dean of Planning, Registrar, and Site Engineer. The Site Department handles the physical infrastructure like classrooms, Faculty cabins, Admin Offices, School offices, Laboratories, Seminar halls, auditoriums, Hostels, Gardens, Circulation Areas, and various Sports complexes. Institute Timetable Incharge allots classrooms and laboratories. Seminar halls and auditoriums are booked and allocated using online. Maintenance-related complaints are monitored through the Call monitoring system, and their reports are logged appropriately. The vehicle Incharge handles booking transport facilities for Industrial Visits. Each Department has its staff, including mechanics and technicians, to maintain the lab equipment under the guidance of the Lab In-charge. Many departments have Annual Maintenance Contracts (AMC) with suppliers and companies to repair and maintain essential equipment. Central Library is fully air-conditioned and equipped with an automated book-issuing facility. IT Cell is responsible for the upkeep and maintenance of all IT-related hardware and software facilities. The sports section has a full-fledged Sports Incharge, Instructors, and Ground Men who maintain the sports facilities and grounds.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

2190

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File](#)
Upload any additional information	[View File](#)

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

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Institutional data in prescribed format	[View File](#)

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

File Description	Documents
Link to Institutional website	http://sggs.ac.in/home/page/Student-Activities
Details of capability development and schemes	[View File](#)
Any additional information	**No File Uploaded**

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

1066

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

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

5.2 - Student Progression

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

431

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

5.2.2 - Number of outgoing students progressing to higher education

0

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

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

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

1

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

10

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

The Institute has an active Student Council with representatives from all the programmes of the Institute. The Student Council is appointed annually through a rigorous selection/election process assessing students' academic performance, leadership qualities,

nonscholastic participation, and co-curricular & extracurricular achievements. The Student Council's unique structure includes final and pre-final year students, where the final-year students serve as Executive Members, while junior students are the secretaries. The Council oversees the activities of different student clubs and chapters. They organize annual cultural events UTSAV, national technical events PRAGYYA, and state-level sports event ZENITH. The Student Council plays a pivotal role in enhancing the quality of various academic processes in the Institution. They also represent the student community to hostel authorities and the canteen committee to ensure good quality nutritious food is served in the hostels. They also organize events of national importance, universal values, and many Government of India initiatives like the Swachh Bharat Mission, Unnat Bharat, etc. They participate in many socially relevant projects for the community through various outreach events. Most student council members also serve as Student Interface Committee (SIC) members. Every fortnight, a SIC meeting with the Deans and the Director is held to resolve the student's issues.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.sggs.ac.in/home/page/Student-Activities

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

2

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

5.4 - Alumni Engagement

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

SGGSIE&T Nanded has one of the largest alumni networks with Alumni chapters across and outside the country, including the USA, UK, Germany, Singapore, and UAE (https://www.sggsalumni.org/#). This

registered body in India has been functioning from the institute campus. The association aims to maintain the Institution's link with alumni and share information on mutual growth, achievement, and advancement in various fields. They conduct multiple social activities, such as blood donation and health check-up camps, tree planting events, etc., for the benefit of society. The alumni employed in reputed organizations in India and abroad help the final year students in their project work and inform them about the employment opportunities in their respective organizations. They also help with internships and placements for present students and organize Industrial visits. Alumni deliver lectures to students about the current scenario and industry developments. SGGSIE&T Alumni members provide Sadbhavana scholarships to needy students every year. At the Alumni meet, the Sadbhavana Scholarship Awards are presented to deserving students from economically poor backgrounds. Alumni who have made prominent contributions to the Academics & Research, Corporate Career, Entrepreneurship, and Social Development are honored with the 'SGGS ICons, and their success stories are written in the form of books.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.sggsalumni.in/page/SEAA-Details.dz#

5.4.2 - Alumni's financial contribution during the year	E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

SGGSIE&T Nanded is an autonomous institute established by the Government of Maharashtra and governed by AICTE and UGC regulations. The statutory bodies of the Institute are the Board of Management (BoM), Planning Committee, Finance Committee, Academic Council, and Board of Studies, constituted as per the UGC norms. The deployment

of world-class education starts with Curriculum framing at the department-level committee, which benchmarks the programme against renowned institutes. The Board of Studies recommends the proposed content and pedagogy to Academic Council for approval. The approved programmes are explored for implementation by the Academic Dean and IQAC Cell. The teachers are empowered to adopt or change the content based on field advancements and student feedback. The IQAC recommends innovative practices and ensures effective implementation. The Research and Development office facilitates conducive research facilities. In addition, specialized research centers for trans and inter-disciplinary areas have also been created. The establishment office recommends welfare schemes as per Government of Maharashtra norms like medical benefits, study leaves, sabbatical leave, on-campus accommodation, etc., for Faculty and staff, and relevant training programmes for the professional development of Faculty. The Students Interface Committee (SIC), which operates under Dean Students Affairs, helps students to resolve academic and personal problems.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	http://sggs.ac.in/home/page/Vision-and-Mission

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

SGGSIE&T Nanded has adopted decentralization, participative management, and empowerment in all academic, administrative, finance, Research, and outreach activities. The organizational structure reflects an entirely decentralized system with well-defined roles and responsibilities. Institute provides ample opportunities to its significant stakeholders, viz. students, Faculty, staff, alumni, and employers, to participate in its development. The stakeholders represent all statutory bodies and university-level committees/cells. The weekly meetings organized at various levels, i.e., Institution and Department, ensure smooth communication among administrators, Faculty, staff, and students and effective implementation of the decisions. The leadership quality among students is cultivated by empowering them to organize major technocultural festivals like PRAGYAA and UTSAV. In academics, the faculty members decide on all matters right from the formulation of the syllabus to question paper setting and evaluation. Feedback is

obtained from the students through quality circle meetings and end-semester feedback to improve the teaching-learning process. The course content can be modified based on the inputs from the stakeholders. Various committees at the Department level involve Faculty, staff, and students to independently manage the activities related to quality assurance, placement and training, alumni engagement, clubs, and chapters, the conduct of conferences, seminars, workshops, guest lectures, and arrangement of field visits.

File Description	Documents
Upload strategic plan and deployment documents on the website	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Paste link for additional Information	http://sggs.ac.in/home/page/Administration-Chart

6.2 - Strategy Development and Deployment

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

The strategic plan has been formulated in tune with the Institute's vision to excel in teaching, Research, and innovation. In 2015, the plan was chalked out to make SGGSIE&T globally visible and to achieve a rank within the top 100 among the national-level institutes. Today, after seven years of execution of the plan, the Institute has been chosen as one of the Institutes of Eminence and ranked 4th in ARIA ranking at the national level. The salient features of the strategic plan are:

- Focus on Interdisciplinary research areas and establishing research infrastructure
- Introducing interdisciplinary programmes in emerging areas like Data Science, Cyber-Physical Systems, Wearable Technologies, Artificial Intelligence, and Deep Learning
- To improve the percentage of Faculty to be trained in India and abroad through collaborative Research
- To increase the global visibility
- To increase the number of research labs, including a sophisticated centralized instruments facility to promote cutting-edge Research.
- To increase the number of academic activities with a strong

focus on applied Research with social impacts. One of the successfully implemented activities under global visibility is to improve in the national and international rankings, which is reflected as 4th rank in the ARIA 2020 national level ranking.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	http://sggs.ac.in/home/page/Strategic-Plan
Upload any additional information	No File Uploaded

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

All the statutory bodies of the Institution are constituted as per UGC and AICTE norms, and they meet periodically to formulate policies, critically review the progress made, and offer suggestions for institutional development. The Board of Management (BoM), constituted as per UGC norms, is the apex body that formulates all policies and procedures and provides academic and administrative leadership. The Planning Committee translates the Institution's strategic vision into concrete yearly plans and monitors their implementation. The Academic Council reviews the regulations, curricula, and syllabi of various academic programmes offered and recommends for approval by the Board of Management. The Finance Committee approves the budget, monitors the budgeted spending, and reviews the internal and external audited reports. It also monitors the resource mobilization process and ensures the allocation of resources for future needs. The day-to-day functioning of the Institution is taken care of by the Officers of the Institute, namely, the Director, Eight Deans, Ten Heads, Registrar, and Controller of Examinations. The Director is the Principal Executive Officer of the Institution who leads all its activities and is responsible for implementing the decisions of the statutory bodies—various grievance redressal bodies.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.sggs.ac.in/home/page/Administration-Chart
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**

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

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

6.3 - Faculty Empowerment Strategies

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

SGGSIE&T Nanded follows a comprehensive Performance Appraisal System (PAS) to assess the performance of teaching and non-teaching staff annually. The performance appraisal for teaching staff includes teaching, Research, and service with appropriate weights. For Assistant Professors, more weightage is given to teaching, whereas for Professors, the emphasis is more on Research. Teaching staff performs the self-appraisal, followed by that HoDs and Deans. Performance appraisal of non-teaching staff is carried out based on the nature of their job. The Institute recognizes the service and dedication of the teaching and non-teaching staff members. It offers them various welfare measures such as Employment Provident Fund & Gratuity, Pension Scheme/ Contributory provident funds, Mediclaim Insurance / Accident Policy for Employees and Dependents, medical facility, Encashment of Earned Leave, 26 weeks of maternity leave, and residential accommodation on campus on subsidized rent. The Teaching staff is provided a Ph.D. allowance, a sabbatical vacation

to pursue higher education/research, seed money for Research, and financial support for attending conferences. The teaching staff is encouraged to take up consultancy work. The reward for publication of quality research papers/patents/ projects/ and books and laptops are issued to teaching staff while at service to pursue Research and academic work.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://sggs.ac.in/home/page/Faculty-Training-Policy

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

2

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

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

3

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

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

20

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

SGGSIE&T Nanded follows the standard accounting system and complies with the guidelines of the Government of Maharashtra. It has a well laid down internal control mechanism by internal auditors, audited independently every quarter, apart from an in-depth annual statutory audit carried out by reputed external auditors. Compared with the approved budget, periodic monitoring of expenditure is carried out. R. Seth & Associates conducts internal audits during which vouching of bills, random checking, and scrutiny of high-value accounts are done. The audit is generally performed for ten days, and the report is submitted to the Institute within a month. The internal audit is used to monitor the accounting process continuously. The audit objections raised during the internal audit are rectified, and recommendations for process improvement are implemented. The external audit is conducted annually by M/s Kabra and Maliwal, a renowned Chartered Accountants firm in Nanded. During the audit, the queries are raised, and the rectification entries are made. After discussion with the Management, the auditor reviews the audited financials and signs the financials before filing returns with the income tax department. The auditor suggests areas of improvement for implementation in the subsequent year.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sggs.ac.in/home/page/Financial-Statements

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

0

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

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

Financial planning and budgeting are integral parts of annual academic planning at the Institute. The Institute follows the procedure listed below to mobilize resources and systematically utilizes the fund for its activities. Institutes generate income through student fees, sponsored projects, consultancy, offering value-added courses, Industry supported laboratories by conducting short-term courses, hostel rent, Alumni donations, etc. Apart from this Institute gets

Optimal utilization of resources

1. **Continuous implementation of online systems to simplify the finance functions, thereby improving the employees' skill set and multitasking ability.**
2. **Energy-saving measures through installing solar plants and buying energy through the power purchase agreement.**
3. **Integrating all the departments through automation systems is in progress resulting in cost-saving and leading to paperless offices.**

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

6.5 - Internal Quality Assurance System

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

subsequent cycles)

Since 2018, SGGSIE&T Nanded has been extended following the Project Based Learning (PBL) pedagogy. A course on Engineering Exploration at the first-year level of the UG program is included. Implementing PBL has facilitated hands-on learning and substantially enhanced students' higher-order thinking skills. Some of the essential learnings in PBL are: It provides a vital context for learning new ideas and concepts, enables accelerated learning, facilitates higher-order thinking, appeals to slow learners, motivates them to perform well, and reduces the gap between theory and practical applications. The IQAC reviewed the implementation of PBL and decided to continue it by proposing organizing institute-level Hackathons, state-level R-Magadon, and the national-level technical event PRAGYAA. As a maiden effort, 24 to 48-hour Hackathon and R-Magadon events with industry collaboration were organized, which provided a great learning experience to the students. The competitive ambiance of 'hackathon events accelerated learning and enabled a deeper understanding of concepts and applications. These events have evolved as a regular events. The Institution allocates an annual budget for organizing these events. The Center of Excellence in Signal and Image Processing and Technology Innovation And Entrepreneurship Center floated schemes such as Summer Research Internship Program to promote experiential learning.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.sggs.ac.in/home/page/IQAC

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

The IQAC institutionalized reviewing the teaching-learning process through Students' end-semester feedback, Outgoing students' surveys, and academic audits. Students' feedback is an essential tool to close the loop of the teaching-learning process. The student feedback is collected at least twice a semester to get feedback on the teaching-learning process from the students to take steps for mid-course corrections. The suggestions received from the students are passed on to the Faculty and HoDs to look over and take the right action. The students' end-semester feedback on the teacher, course, and lab infrastructure is collected through an institutional online feedback system. The outgoing students also provide valuable feedback on their overall academic experience. The feedback

collected is analyzed and presented in the IQAC meetings. The meetings result in making recommendations for improvement in student's learning experience. IQAC regularly conducts the academic audit to review the academic process in the Department. The guidelines for audit are prepared as per NAAC/UGC quality framework, and a brainstorming session on the audit report is organized to review and recommend measures for quality enhancement.

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

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	C. Any 2 of the above

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

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

"Social Development" & "Respect for All" are two of the core values of SGGSIE&T Nanded. To translate these core values into concrete action plans, the Institution has taken several measures to promote

gender equity. In all its activities, the Institution ensures the participation of women as part of the curriculum content on women empowerment, female feticide prevention, child abuse, responsible living, and others. Some specific measures and activities are: providing adequate and safe hostel space for female students. During night hours, women security guards accompany female students during their transit. 24x7—availability of lady doctor in the campus hospital. A gynecologist visits the campus hospital every week to cater to the needs of female students and staff. A special self-defense workshop for female students in their hostels. Special sports promotion programs for female students – for instance, SGGSIE&T Nanded has female football and cricket teams participating in inter University Competitions—exclusive gymnasium slots for female students. Common room for female students in all academic departments. A mandatory workshop on the Prevention of Sexual Harassment in workplaces was organized. The entire campus is covered with CCTV cameras to provide security. The Institution also celebrates International Women's day every year.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://sggs.ac.in/home/page/Gender-Equity-Policy

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	B. Any 3 of the above

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

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

Organic, green, recyclable, and sanitary waste are collected in different bins. Segregated food waste, vegetable peels, and other kitchen wastes collected from the canteens, garden waste, and dry leaves are composted. Recyclable wastes are collected and sold to

vendors for recycling. Sanitary waste is given to a certified agency on alternate days for incineration. The wastewater generated is treated in sewage treatment. This is then recycled and used for flushing or watering the gardens and lawns on campus. The sludge settled in the Sewage treatment is removed frequently for a month and composted. The compost is used as manure for the gardens. Thus, the entire wastewater generated on the campus is well-treated and effectively used. E-waste is collected from source points is sent to the e-waste storage area. E-waste mainly consists of laptops, desktops, servers, projectors, biometric devices, condemned electronic equipment, printers, scanners, and cartridges. This waste is written off frequently and sold out to vendors. Hazardous chemicals and radioactive waste management Overall, labs using chemicals and solvents follow the necessary safety precautions in using and disposing of dangerous chemicals. All equipment using radioactive elements for their functioning is carefully salvaged according to the instructions of the respective user manuals.

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

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

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:	A. Any 4 or All of the above

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

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	C. Any 2 of the above

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-	A. Any 4 or all of the above

friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

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

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

While enjoying the diversity of cultures among its students and Faculty, SGGSIE&T Nanded has maintained harmony and peace throughout these years without any single episode of campus unrest. Institute remains committed to celebrating diversity leading to a higher-level unity. An atmosphere of a 'home away from home' is vital for students and Faculty to nurture a harmonious academic environment. Festivals are a celebration not only of our beliefs but also of our differences. At SGGSIE&T Nanded, festivals like Ganapati, Diwali, ShivJayanti, Dandiya, Christmas, Eid, Navaratri, Durga Puja, Baisakhi, Holi, and Gudipadwa are celebrated with gusto. SGGSIE&T Nanded annually organizes "UTSAV,"- a showcase of national cultures. This program, by students of various states, is a magnificent display of the diverse national culture. It is also a show of unity in diversity. Furthermore, cultural festivals like Garba Night (Navratri celebrations), Baisakhi celebrations, Ganesh Chaturthi, Shiv Jayanti, and Ambedkar Jayanti celebrate various aspects of our cultural heritage, like dance, music, and food, all around the year. Apart from this, SGGSIE&T Nanded hosts several agricultural expos like KRISHI PRAGYYA to support local farmers and offers sports facilities for tournaments among local schools.

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

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

SGGSIE&T Nanded aspires to build the holistic development of its students and employees and accords due emphasis on inculcating Constitutional and Social responsibilities. The Institution organizes various events toward this objective. A representative list of activities focused on teaching the values and duties of a responsible citizen is

1. At the second-year level, every student must complete a course on the Indian Constitution. In this course, all the students get knowledge of rights and responsibilities as responsible citizens of India.
2. Vibrant student clubs like the Voice Club provide a platform for students to discuss "Every vice nagging society and the human condition."
3. The debating club of the SGSSIE&T Nanded hones students' debating skills.
4. The Institution also initiates measures to inculcate a sense of social responsibility among students and employees. Some of these measures are:

- Social Internships for UG students.
- Blood donation camps on the campus at frequent intervals in which students and faculty members actively participate.
- Adaptation of villages under the Unnat Bharat Abhiyan (UBA) and working for this village through the active involvement of students
- Awareness campaign on Environment, Climate Change, and Sustainability

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

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	**B. Any 3 of the above**

File Description	Documents
Code of Ethics - policy document	[View File](View%20File)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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

SGGSIE&T Nanded organizes national and international commemorative days, festivals, and events.

National Festivals:

1. Baisakhi is a historical and religious festival in Sikhism and Hindus, usually celebrated on April 13 or 14 every year.

2. Gudhi Padva is a spring-time festival that marks the traditional New Year for Maharashtrians is also celebrated in SGGSIE&T Nanded.

3. Navaratri, the nine-night Hindu festival, Eid, and Christmas day are being celebrated.

4. Ganpathi festival is celebrated for ten days in September every year.

International Days Celebration International Women's Day is celebrated on March 8 every year at SGGSIE&T Nanded. Eminent women

personalities are invited to address the staff and the students. International Day of Yoga is celebrated on June 21 every year. SGGSIE&T Nanded organizes a Yoga session on this day to promote the importance of Yoga improves mental health.

National Day Events:

SGGSIE&T Nanded organizes Republic Day, Independence Day, Maharashtra Day, and University Foundation day celebrations where the students and the Faculty participate to the full extent. Further, to sensitize the students on the freedom struggle.

Teachers' Day: SGGSIE&T Nanded celebrates the birth anniversary of the former President of India and a renowned teacher Dr. S. Radhakrishnan as Teachers' Day.

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

7.2 - Best Practices

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

Positions of Head and Deans are on a rotation basis. Centre of Excellence in Signal and Image processing, a Robotic Center, and three Industry-sponsored Laboratories were established. Fully transparent procurement through GeM Portal. Diesel Gen-set 650 KVA, Solar Power, and Power from State Electricity Board made available to avoid power failures during theory and practicals. Cleanliness of campus – Green campus –Wi-Fi Enabled Campus. Online digital Library for textbooks and research journals to all students through the Knimbus app. Students interface committee (SIC) for addressing students' issues fortnightly meeting is conducted. Grievance mechanism in place. As per the Academic Calendar result is declared within one week of the last examination. Experts from the IIT, NIT and Tier-1 colleges annually conduct an academic audit. CBCS system to accommodate liberal learning courses – Courses from MOOCs platform, Credit transfer from MOOC – NPTEL-SWAYAM. Project-Based Learning through Engineering Exploration. Credit transfer facility

from NPTEL/Swayam and other institutes like COEP, WCE, VJTI, and SP COE, Mumbai. Regularly participate in the Baja competition organized by SAE India to design and develop the all-terrain vehicle. Conduct of Annual technical Event PRAGYAA from 2005, Utsav – Annual Social Gathering, Zenith – State level Annual Sports event.

File Description	Documents
Best practices in the Institutional website	http://sggs.ac.in/home/page/institutional-best-practices
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

After becoming an autonomous institute, SGGSIE&T Nanded has been committed to Research by treating it as the epicenter of growth and development in all directions. This would, in turn, mean that research culture is fundamental to the growth of an organization, as it would groom a potential and knowledgeable population with a high sense of rationality and utmost commitment to the community. However, admittedly, unlike the developed countries, a culture of Research is largely missing in our institutions of higher education, which are the major centers for enriching the workforce at all levels. Considering this, SGGSIE&T Nanded has been sincerely attempting to inculcate research culture from the undergraduate level. Looking at this requirement, we have established a state-of-the-art Center of Excellence (CoE) in Signal and Image Processing in a 3024 square feet area. This CoE research related to medical imaging and Signal Processing by using Machine Learning and Artificial Intelligence is carried out by UG, PG, and Ph.D. students. Secondly, we have established an Industrial Robotic center to develop skilled human resources in Robotics and Computer Vision. Thirdly, we have established SGGS-SAI Center for Research and Development in CyberSecurity

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Upgradation of teaching-learning facilities through modern classrooms, ICT tools, and modernization of Laboratories with high-end equipment. Establishing an IDEA laboratory for students will teach innovative thinking for solving society-related problems. An increasing number of Industry supported projects. Collaboration with other premier institutes at national and international levels. Organizing STTPs, Workshops, Seminars, and Conferences for giving training on advanced technologies. Continue to work as a leading institute in the Marathwada region for catering facilities to nearby institutes—increasing participation of students at national and international levels in research, curricular, and co-curricular activities. Institute will appoint regular qualified faculty members, preferably with Ph.D. qualifications, and Professors of Practice. Constructing a new Departmental Building and refurbishment of the Auditorium is on priority.