Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**SIES GRADUATE SCHOOL OF TECHNOLOGY**
Name of the head of the Institution	**Dr. Atul Kemkar**
Designation	**Principal(in-charge)**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**022-61082401**
Mobile no.	**9819150392**
Registered Email	**principal@siesgst.ac.in**
Alternate Email	**principalgst@sies.edu.in**
Address	**Sri Chandrasekharendra Saraswathi Vidyapuram, Plot No 1-C, D & E, Sector V, Nerul**
City/Town	**Navi Mumbai**
State/UT	**Maharashtra**
Pincode	**400706**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Ms. Leena V Ladge**
Phone no/Alternate Phone no.	**02261082402**
Mobile no.	**9867801816**
Registered Email	**iqac@siesgst.ac.in**
Alternate Email	**principal@siesgst.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://siesgst.edu.in/aqar

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.siesgst.edu.in/academics/calendar

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.99**	**2018**	**16-Aug-2018**	**16-Aug-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**21-Apr-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Seminar on Rules and Regulations of conducting	**06-Sep-2018** **2**	**80**

examination and result preparation		
IQAC Coordinators Workshop conducted by Rashtriya Uchchatar Shiksha Abhiyan(RUSA) at University of Mumbai, Kalina attended by Institute IQAC Coordinator	22-Oct-2018 24	1
Student Development Programme on GDPI and role play was conducted for final year students under Career Development Cell by Prof. Swapna Tamhankar from IBS, Mumbai	23-Aug-2018 8	60
Faculty Development Seminar on Recent Trends in IT Industry by Mr. Avinash Krishnamurthy, HR TCS Mumbai	18-Aug-2018 4	75
Developers Weekend for Students, Faculty and Industry Professionals to strengthen Industry Institute Interaction	08-Sep-2018 16	300
Paradigm Literary Festival for promoting self learning and imparting life skills to students	24-Sep-2018 24	100
Two day session on Road Map to Achieving Institute Excellence for Global Recognition	26-Nov-2018 16	80
Management Review Meeting to review progress of departments	13-Feb-2019 8	80
Model United Nations for imparting life skills and exploring global issues.	16-Feb-2019 16	100
Exam reform workshop conducted by AICTE at COE, Pune attended by 2 faculty members	01-Feb-2019 8	2

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount

Dr. Rupendra Nehete	Minor Research Grant	University of Mumbai	2018 12	50000
Dr. Rizwana Shaikh	Minor Research Grant	University of Mumbai	2018 12	40000
Dr. Vikram Patil	Minor Research Grant	University of Mumbai	2018 12	25000
Prof. Shishir Jagtap	Minor Research Grant	University of Mumbai	2018 12	35000
Prof. Pratibha Joshi	Minor Research Grant	University of Mumbai	2018 12	20000
Prof. Kintu Patel	Minor Research Grant	University of Mumbai	2018 12	25000
Prof. Vishal Gaikwad	Minor Research Grant	University of Mumbai	2018 12	20000
Prof. Lakshmisudha	Minor Research Grant	University of Mumbai	2018 12	15000
Prof. Stuti Ahuja	Minor Research Grant	University of Mumbai	2018 12	25000
Prof. Bushra Shaikh	Minor Research Grant	University of Mumbai	2018 12	30000
Dr. Smitha Kumar	Minor Research Grant	University of Mumbai	2018 12	30000
Dr. Kanthimathi G	Minor Research Grant	University of Mumbai	2018 12	45000
Dr. Snehal Kargirwar	Minor Research Grant	University of Mumbai	2018 12	40000
Prof. Prashant Ambadekar	Minor Research Grant	University of Mumbai	2018 12	50000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	Yes

If yes, mention the amount	70000
Year	2018

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

Induction Programme conducted for students from July 31, 2018 to August 4, 2018 for 381 students who took admission in the first year engineering.

SIESGST Developers Programme conducted every saturday from September 1, 2018, concluding on March 26, 2019 to impart teaching learning, knowledge and idea sharing among students.

Quality Check for Internal Test Question papers conducted by subject coordinators in all the departments before the internal tests to maintain quality of questions and their cognitive levels.

Faculty Development Seminar on Recent Trends seminar in IT Industry by Mr. Avinash Krishnamurthy, HR TCS Mumbai conducted on August 18, 2018

Two Day Seminar on Road Map to achieving Institute Excellence for Global Recognition conducted on November 26, 2018

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

Plan of Action	Achivements/Outcomes
To provide value based education using at least one innovative teaching method and one ICT tool per course.	Achieved in all departments across all the courses
To strengthen the Industry Institute Interaction to qualify for the third round of AICTE CII survey.	Institute Qualified into Gold Category in AICTE CII Survey
To promote Self- Learning amongst students for at least 25% students from each class.	Achieved across all departments
To enhance Research & Development activities amongst students and faculty members.(at least 10 publications from students & publications at least by 50% of department faculty strength, at least one research grant per department, at least one activity on reading/writing research paper & creating a review paper)	Achieved across all departments
To promote entrepreneurship by encouraging students to take up	Achieved across all departments

innovative projects. (at least one from each department)	

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	04-Jul-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	12-Jun-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The institute has its own ERP system for administrative academic operations. The following modules are functional: (i) Admission: Students enroll on ERP and they have unique ID for the course. (ii) Faculty roll / attendance: The biometric attendance is integrated with ERP for salary purpose. (iii) Faculty ERP: Each faculty has own login to access and update profile, leave, teaching plan, student attendance. (iv) Maintenance applications are forwarded by faculty through SRM module.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The South Indian Education Society's Graduate School of Technology affiliated to University of Mumbai (UoM) takes adequate and timely measures to ensure effective curriculum delivery. 1. Academic Planning: A well planned and documented process is in place and followed through the semester. The Institute follows the syllabus prescribed by the UoM. Based on the syllabus and the student strength, workload is calculated every semester by the heads of the departments (HoDs). Further, based on the interest of students and current industry trends, Electives are offered to the students. Depending on the

expertise, experience and opted choices the subject allocation is done and wherever required Industry-experts are identified and invited as visiting faculty. As per the academic schedule given by the University, the academic calendar is proposed by the Principal and is approved by academic council. The same is distributed to the faculty members prior to the commencement of semester. 2. Academic Plan Implementation: The Principal and academic council are responsible for implementation of academic activities. To aid in this process, a faculty handbook is maintained which consists of session plan, individual timetable, academic calendar, list of text and reference books, list of experiments and assignments, attendance for theory/tutorials/practical, continuous evaluation of student, etc. The faculty handbooks are regularly reviewed by the respective HoDs and Principal. Each faculty member maintains a course file consisting of syllabus, extended syllabus copy, course notes, laboratory manual, university question papers, course outcomes, mapping of course outcomes with program outcomes and program specific outcomes. 3. Curriculum Enrichment: The gap analysis is done for all the courses belonging to the program. The gap may be a prerequisite gap, course gap, semester gap or program gap. Discussion on the course gaps is done in the Departmental Advisory Board (DAB) meeting so as to bridge them with relevant guest lectures, seminars, workshops, value added courses, industrial visits, implementing projects etc. 4. Monitoring effectiveness of student learning: Prerequisite tests are conducted for the students at the beginning of the semester to identify their strengths and weaknesses. In addition to traditional classroom teaching, faculty members also use various ICT tools and active learning strategies. The process is also supplemented with an online learning management system to make it more effective. A mentor-mentee scheme is implemented to guide the students so that they strengthen their academics as well as co-curricular and extracurricular skills. 5. Effective Communication: All notifications are issued to the students through their official email ID's created using Google Apps for education belonging to siesgst.ac.in domain. 6. Monitoring implementation of Curriculum delivery & Feedback: Review of coverage of the syllabus at each department is done through the faculty handbooks by respective HoDs fortnightly and monthly by the Principal. Timely corrective and preventive action is taken, if there is any deviation. Feedback from students is obtained for faculty, curriculum and infrastructure. The Principal and the Managing council of the SIES take the necessary action based on the feedback. SIESGST, thus ensures effective, up-to-date curriculum planning and delivery.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Workshop on Android Programming	NA	04/08/2018	8	Employabilit y	Yes
Competitive Coding	NA	29/08/2018	6	Employabilit y	Yes
Competitive Android app development	NA	07/09/2018	4	Employabilit y	Yes
Corporate Learning Programme on Plastics	NA	26/12/2018	8	Employabilit y	Yes
FPGA Workshop	NA	16/03/2019	16	Employabilit y	Yes

Machine Learning	NA	23/03/2019	24	Employabilit y	Yes
C Programming Workshop	NA	14/01/2019	8	Employabilit y	Yes
FPGA Design using VHDL	NA	11/07/2019	24	Employabilit y	Yes
Arduino Workshop	NA	16/02/2019	8	Employabilit y	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Information Technology	01/07/2018
BE	Information Technology	01/01/2019
BE	Computer Engineering	01/07/2018
BE	Computer Engineering	01/01/2019
BE	Electronics and Telecommunication Engineering	01/07/2018
BE	Electronics and Telecommunication Engineering	01/01/2019
BE	Mechanical Engineering	01/07/2018
BE	Mechanical Engineering	01/01/2019
BE	Printing and Packaging Technology	01/07/2018
BE	Printing and Packaging Technology	01/01/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Printing & Packaging Technology	09/07/2018
BE	Computer Engineering	09/07/2018
BE	Information Technology	09/07/2018
BE	Electronics and Telecommunication Engineering	09/07/2018
BE	Mechanical Engineering	09/07/2018

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

	Certificate	Diploma Course
Number of Students	263	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Machine learning with R	04/08/2018	13
Machine learning with Python	04/08/2018	28
Machine learning with Python	17/12/2018	12
Network Security Ethical Hacking	18/12/2018	20
Ethical Hacking and Security	02/01/2019	38
Ethical Hacking and Security	10/06/2019	17
EDUVANCE SUMMER INDUSTRIAL TRAINING 2018	15/06/2019	34
Embedded system: ARM Mbed and Node MCU	24/06/2019	20
ARM Mbed and Node MCU workshop	19/12/2018	12
AUTOCAD	25/06/2018	12
Advanced antenna design using IE3D	18/07/2018	17
Designing and Managing Database	11/06/2018	7
Machine Learning Training and Certification	10/06/2019	25
Product Design Training and Certification	10/06/2019	12
React JS Training and Certification	10/06/2019	18
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Printing & Packaging Technology	73
BE	Information Technology	38
BE	Electronics and Telecommunication Engineering	77
BE	Mechanical Engineering	10
BE	Computer Engineering	72
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.	
Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Institute conducts online feedback for the students at the end of every semester. The student gives feedback for all the theory and practical courses taught to them in the semester. The general assessment points of the feedback based on questions such as adequacy of syllabus, assessment / evaluation, satisfaction about teaching methodology, Teachers approachability towards students, Teachers ability to teach subject and control the class, syllabus coverage, organisation of lectures, use of modern tools of Pedagogy etc. on a grade of 5 scale with number 5 meaning excellent and 1 meaning poor performance. The Institute maintains a policy that if a teacher gets average grade less than 2.5 he/she is called by the Principal and is informed about his/her performance for that particular course. The teachers are accordingly instructed by the authorities to improve their performances. Alumni Feedback is conducted whenever alumni meet is organised in the Institute during the academic year. The feedback from alumni is drawn for evaluating subject knowledge gained through the program, progress of alumni in their chosen career after graduation, impact of training, motivation at Institute, impact of training on personality, maturity, social skills, ability to take decisions, ability to manage finances and presentation skills at the workplace. The Employers feedback highlights evaluation parameters in the form of subject knowledge, attitude, behaviour, regularity, punctuality, maturity, motivation, creativity, presentation skills and ability to get along with others. The analysis of this feedback helps institute in reframing the course content along with necessary skill development trainings. It also helps in determining overall employability of our students at various levels.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Engineering	90	649	95
BE	Information Technology	60	649	64
BE	Electronics and Telecommunication Engineering	120	649	121
BE	Mechanical Engineering	60	649	63
BE	Printing & Packaging Technology	60	649	38

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1799	0	103	0	0

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
103	103	7	18	18	4

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

Student Mentoring System is available in the Institution. Details of the system: A mentors knowledge, experience, encouragement and skills offers the learner necessary guidance and advice. Each faculty mentors a group of 15 to 20 students. Objectives of Mentoring: 1.Create a positive counselling relationship and environment for open communication. 2.Provide direction to mentee, in terms of career guidance, goal setting and helping them overcome academic stress. 3.Monitoring overall progress of the Mentees. Responsibilities: The mentor performs the following functions: 1.Meet the mentees at regular intervals of time. 2. Continuously monitor, counsel, guide and motivate the students in all academic / non academic matters. 3.Contact parents/guardians, whenever situation demands. 4.Advise students in their career development/ provide professional guidance..In some situations,the mentees are directly counselled by the higher authorities / professional counsellor. 5.Maintain a detailed progress record of the student (Mentee Data Sheets). 6.Maintain clear concise record of all discussions with students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1799	103	17.46

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
105	103	2	10	18

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Vikram Patil	Principal	Best Director Award under 7th Academic Brilliance Awards
2019	Dr. Kaustubh Chavan	Assistant Professor	Young Teacher Award

2019	Dr. Ramkishan Bhise	Assistant Professor	Best NSS Area Coordinator under University of Mumbai
2019	Dr. Ramkishan Bhise	Assistant Professor	National Level Dr. Panjabrao Deshmukh Rashtriya Shikshak Parishad Phule Teacher Award for Educational and Social Awareness
2019	Dr. Ramkishan Bhise	Assistant Professor	MTC Global Distinguished Teacher Award from MTC Global Bengaluru

(First row continuation: under 7th Academic Brilliance Awards)

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	FE	I/First	27/12/2018	11/03/2019
BE	CE	II/Second	17/12/2018	04/02/2019
BE	EXTC	II/Second	17/12/2018	04/02/2019
BE	IT	II/Second	17/12/2018	04/02/2019
BE	PPT	II/Second	17/12/2018	12/02/2019
BE	ME	II/Second	17/12/2018	12/02/2019
BE	CE	V/Third	12/12/2018	04/02/2019
BE	EXTC	V/Third	12/12/2018	04/02/2019
BE	IT	V/Third	12/12/2018	04/02/2019
BE	PPT	V/Third	12/12/2018	12/02/2019
BE	ME	V/Third	12/12/2018	12/02/2019
BE	CE	VII/Final	10/12/2018	18/02/2019
BE	EXTC	VII/Final	10/12/2018	06/03/2019
BE	IT	VII/Final	10/12/2018	06/03/2019
BE	PPT	VII/Final	14/12/2018	06/03/2019
BE	ME	VII/Final	14/12/2019	01/03/2019
BE	FE	II/First	07/06/2019	17/07/2019
BE	CE	IV/Second	29/05/2019	15/07/2019
BE	EXTC	IV/Second	29/05/2019	22/07/2019
BE	IT	IV/Second	29/05/2019	15/07/2019

BE	PPT	IV/Second	29/05/2019	31/07/2019
BE	ME	IV/Second	29/05/2019	31/07/2019
BE	CE	VI/Third	03/06/2019	15/07/2019
BE	EXTC	VI/Third	03/06/2019	22/07/2019
BE	IT	VI/Third	03/06/2019	15/07/2019
BE	PPT	VI/Third	03/06/2019	31/07/2019
BE	ME	VI/Third	03/06/2019	31/07/2019
BE	CE	VII/Final	24/05/2019	04/07/2019
BE	EXTC	VII/Final	24/05/2019	06/07/2019
BE	IT	VII/Final	24/05/2019	02/07/2019
BE	PPT	VII/Final	19/05/2019	15/06/2019
BE	ME	VII/Final	24/05/2019	12/07/2019

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

Response: Institute strives to continually improve the efficiency and effectiveness in assessment of Teaching, Learning and Evaluation Processes. Institute follows UoM guidelines related to internal evaluation system. However, to ensure that the quality of students improves, the following reforms/changes in CIE are implemented: 1. Reforms in Internal Assessment Test: a) Multiple modes of notification: IA Test schedule is notified through multiple modes like Academic Calendar, Notices and through SIESGST student Email. Impact: Faster dissemination of information. b) Audit: Questions are set to evaluate the attainment of the desired Course Outcomes. Thought Provoking Questions are incorporated to raise the difficulty level of question paper. The quality of question papers are assessed by Course coordinators. Impact: Making the teaching learning process more effective and improving the quality of the Question Paper. c) Centralized Internal Assessment Process: The institute conducts Internal Assessment tests centrally. The internal test conduction committee comprising of faculty members of all the branches work together for effective conduction of the test. Impact: Smoothness and transparency in conduction of Internal Test. d) Solution key: Faculty prepares the solution key and the same is displayed on the notice board and send it through group emails after the test. Impact: It leads to standardization in evaluation and helps students to introspect, self evaluate and prepare better for exams. e) Notifications to IA Test failures: After the assessment of IA papers, the papers are shown to students. The notification of the marks is ensured by taking signature of students in Handbook. Impact: Creating awareness amongst IA test failures and hence improving the results. 2. Reforms in Term Work: a) For Course: Experiments are designed to evaluate the attainment of the desired COs. Problem Based Learning experiments are included in the course. One extra experiment is designed which is not listed in the syllabus. Impact: Enhancing the problem solving abilities of the students. b) For Final Year Projects: The students have to present three ideas in front of an expert committee. The expert committee recommends one project amongst the ideas presented by the students. Apart from the ideas from students, faculty also submits one project idea which students can take up as their final year project. The students are regularly monitored through mid semester project presentation. Students are encouraged to carry out innovative projects and are informed to publish in renowned journals. The projects are categorized into research, innovation and application based projects to promote publication, patenting and product development. Impact: Improving the quality of the projects, mentoring the

students to carry out innovative projects and publishing patenting. c) Innovative Assignments: Students are given application based problems, mini projects in the form of innovative assignments to promote critical thinking and problem solving abilities amongst students. Impact: Promoting students for higher order thinking.

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

The University of Mumbai has implemented the pattern 80:20 from AY 201213 in the credit based semester grading system. The internal tests, also considered for internal assessment, are conducted twice in the semester having a weightage of 20 for the course and the remaining 80 being the end semester examination. The first internal test is based on 40 of the syllabus and second test on the next 40 of the syllabus. The frequency of the tests is decided in the Academic Council meeting. The first test happens within 45 days of college reopening and the second test is after the last instructional day. The academic calendar finalized by the academic council lists the dates for these internal tests at the beginning of the semester for the faculty to plan the course conduction. The solution of the test along with question wise marking scheme is displayed on notice board or shared through email or faculty website within an hour after the test to maintain transparency and uniformity in the assessment of the internal tests. The evaluated test booklets are shown to the students and individual discussion/clarification with a student on the paper is taken up. In some of the courses, the term work is a part of continuous internal assessment where students are evaluated on the basis of their performance in different activities throughout the semester. With these systems in place, SIESGST very well exhibits transparency in the mechanism of internal assessment and robustness in terms of frequency and variety.

2.6 – Student Performance and Learning Outcomes

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

http://www.siesgst.edu.in/academics/peo_pso

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
321124510	BE	Computer Engineering	108	104	96.29
321124610	BE	Information Technology	75	75	100
321137210	BE	Electronics and Telecommunication Engineering	149	128	85.9
321161210	BE	Mechanical Engineering	81	76	93.82
321184110	BE	Printing & Packaging Technology	66	54	81.82
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2.7 – Student Satisfaction Survey

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

https://docs.google.com/document/d/12LxtgoBXw9lOLkSudnSnAuDKxxcIgosP50CXspv2z7M/edit

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	1	University of Mumbai, Mechanical Department	1	0.4
Projects sponsored by the University	1	University of Mumbai, First year Dept.	1.15	0.46
Projects sponsored by the University	1	University of Mumbai EXTC Dept.	1.25	0.5
Students Research Projects (Other than compulsory by the University)	1	NMMC,NAVI MUMBAI	0.5	0.5
Projects sponsored by the University	1	University of Mumbai IT Dept	0.7	0.28
Any Other (Specify)	2	Simplicate Creations PVT LTD	0.4	0.4
Industry sponsored Projects	1	Mercury Industries Limited, Ankleshwar	2.1	0.9
Projects sponsored by the University	1	University of Mumbai computer Engineering Dept	0.4	0.16
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Aptitude for Entrepreneurship	Mechanical Engineering Department	30/07/2018
Here Technology Workshop	Entrepreneurship	30/03/2019

	Development Cell	
ByteCamp	Student Council	23/02/2019
Entrepreneur ship Development Cell Orientation Program	Entrepreneurship Development Cell	13/08/2018
IDEATION 19	Entrepreneurship Development Cell	15/02/2019
Intellectual Property Rights in SIESGST	Institute Innovation Council and Entrepreneurship Development Cell	23/01/2019
Basics of Intellectual property rights (IPR) inclusive of Patent Copyright Trademark	Centre for Innovation Incubation and Entrepreneurship Development Cell	22/02/2019
Business plan workshop	Entrepreneurship Deveopment Cell	15/03/2019
Panel Discussion	Entrepreneurship Development Cell	19/09/2018
BIZENCE 2019	Entrepreneurship Development Cell	13/03/2019
GST FERIA 2.0	Entrepreneurship Development Cell	19/09/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Multiflavour icecream dispenser	Ms.Nikhitha Murdeshwar and Ms.Shraddha Kadam	Parksons Packaging Ltd.	11/06/2019	Paper Made Design Contest
Outstanding Achiever for Academics, Extr acurriculars, Cocurriculars and Project Innovation	Mr.Sanjeev Srinivasan	PrintWeek India	29/11/2018	Student of The Year Award
Project Deep Blue	Mr. Mahadevan Narayanan	Mastek	17/02/2019	Project Presentation
ERR_404 National Level Hacktahon	Ms Sayali Patil and Team	saboo siddik college of Engg	19/03/2019	Project Presentation
Smart India Hackathon	Ms. Swarika B and Team	MHRD GOI	03/03/2019	Project Presentation
Smart India Hackathon	Mr. Harish B and Team	MHRD GOI	03/03/2019	Project Presentation
Avalon	Mr. Akhil Nair and Team	Terna College of Engineering	04/03/2019	Project Presentation
Baja SAE	Team Turbocrafters	SAE India	13/03/2019	Best Engineering

				Design 1st runner Up
Baja SAE	Team Turbocrafters	SAE India	13/03/2019	Best Sale Presentation Awards 1st Runner Up
Innovative Research and Dedicated Academician	Dr. Ramkishan Bhise	Society of Innovative Educationists and Scientific Research Professionals, Chennai	01/10/2018	Innovative Research Dedicated Academician

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	4	2

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Telecommunication Engineering	13	4.54
International	Information Technology	14	5.63
National	Mechanical Engineering	1	0
International	Mechanical Engineering	4	5.76
International	Computer Engineering	14	4.53
National	Humanities and Applied Sciences	6	5.8
International	Humanities and Applied Sciences	4	3.87

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

Department	Number of Publication
Mechanical Engineering	9
Electronics and Telecommunication Engineering	4
Computer Engineering	5
Humanities and Applied Sciences	1
No file uploaded.	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Details Attached	Details Attached	Details Attached	2019	0	Details Attached	0
View File						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Details Attached	Details Attached	Details Attached	2019	0	0	Details Attached
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	62	0	167
Presented papers	19	7	8	2
Resource persons	0	3	0	7
No file uploaded.				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Disaster Management Workshop	Navi Mumbai Muncipal Corporation	2	20
Plastic Waste Management	Bislary International Pvt. Ltd.	2	107

Ewaste Management Seminar	Sharp NGO funded by MEIT	2	53
Theme Based Workshop	Mumbai University	2	53
Blood Donation drive	Sion Blood bank	9	148
Blood Donation drive	J. J. Hospital,Sion Blood bank,G.T hospital	11	148
Dream Run	Sunshine School for Differently Abled	25	650
No file uploaded.			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donation drive	Certificate of appreciation	Nair hospital blood bank,L.T.M.G Hospital, J.J. Hospital Blood Bank	265
Blood Donation drive	Certificate of appreciation	L.T.M.G Hospital,Sion	302
Best Area Co ordinator	Best Area Coordinator for NSS	NSS cell, Mumbai University	1200
No file uploaded.			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
National Social Service Scheme	NSS / NMMC / UOM	Details Attached	66	1359
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
No file uploaded.			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant

Professional Internship, hands on experience	Professional Internship	All data filled in the excel sheet	01/01/2018	07/11/2019	276

View File

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Eduvance,VanmatTechnologies	22/02/2019	Purpose:Facilitate the donation of educational material and equipment. Activity: Distributed Augmented reality APP	337
Eduvance,VanmatTechnologies	15/02/2019	Purpose:Facilitate a connection with various companies that Eduvance has a tie up with for the activities like knowledge sharing,sponsored labs,Internships,employment opportunities,skill assessments. Activity: Participation in departmental advisory b	0
Metalemms Bombay Pvt. Ltd	29/01/2018	BE Project Internship	2
Vishwakarma Enterprises	23/01/2018	BE Project Internship	2
Shri Ganesh Industries	22/01/2018	BE Project Internship	0
Hindustan forging and steel industries	30/10/2018	BE Project Internship	4
Manibhadra Machine tool pvt. Ltd.	30/10/2018	BE Project Internship	2
Pressman	17/11/2018	4 months internship in Pressman and conduction of Student development programme in November 2018	13

Printweek India	21/09/2018	MOU signed for Sep 2017 to Aug 2022 for 2 months internship in Printweek India Magazine.	6
ESKO Graphics Pvt. Ltd. Singapore	27/11/2018	Grant of 9 licenses of ArtiosCAD Studio Visualiser and Training Session conducted by Esko Personnel on March 30, 2019	45
Red Hat	15/10/2018	Certification Exam	9
PriarWeb Private limited	01/06/2018	BE Project, Training Certification Internship	13
9th Legend	04/01/2018	Technical Guidance for Final Year Project and Technical Talk	4
ESKO Graphics Pvt. Ltd. Singapore	01/03/2018	Grant of 9 licenses of ArtiosCAD DeskPack and Training Session conducted by Esko Personnel on May 28, 2018	73
NMMC,Navi Mumbai	10/06/2018	Disaster management project	8
No file uploaded.			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
10	27.76

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

during the year (rs. in lakhs)	
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
eGranthalaya	Fully	3	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	22329	6706223	1388	684774	23717	7390997
Reference Books	1116	1883726	26	50008	1142	1933734
e-Journals	1223	9763483	296	1512503	1519	11275986
			[View File](#)			

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

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
Prof. Chavan Ashwinkumar Raosaheb	Linear Differential Equation	Tablet writing and Screen recorder	07/03/2019
Prof. Chavan Ashwinkumar Raosaheb	Linear Differential Equation	Tablet writing and Screen recorder	23/04/2019
Prof. Chavan Ashwinkumar Raosaheb	Linear Differential Equation	Tablet writing and Screen recorder	25/04/2019
Prof. Vishal Gaikwad	Memory basics	Touch screen Laptop with stylus and Screen recorder	12/11/2018
Prof. Vishal Gaikwad	Basics of functions of 8284,8282 and 8286.	Touch screen Laptop with stylus and Screen recorder	12/11/2018
Prof. Vishal Gaikwad	8086 Timing Diagram	Touch screen Laptop with stylus and Screen recorder	12/11/2018
Prof. Vishal Gaikwad	emu8086 Tutorial	Touch screen Laptop with stylus and Screen recorder	12/11/2018
Prof. Vishal Gaikwad	Addition of two 8 bit numbers using assembly language	Touch screen Laptop with stylus and Screen recorder	12/11/2018

		programming.		
Prof. Vishal Gaikwad	Addition of two 8 bit numbers using assembly language programming.	Touch screen Laptop with stylus and Screen recorder	12/11/2018	
Prof. Biju Balakrishnan	Hamming code	Touch screen Laptop with stylus and Screen recorder	04/01/2019	
Prof. Biju Balakrishnan	Modified Duobinary	Touch screen Laptop with stylus and Screen recorder	03/01/2019	
Prof. Biju Balakrishnan	Linear Block Code	Touch screen Laptop with stylus and Screen recorder	03/01/2019	
Prof. Biju Balakrishnan	Duobinary encoding and Decoding	Touch screen Laptop with stylus and Screen recorder	03/01/2019	
Prof. Biju Balakrishnan	Sampling Theorem	Touch screen Laptop with stylus and Screen recorder	03/01/2019	
Prof. Biju Balakrishnan	cyclic code	Touch screen Laptop with stylus and Screen recorder	17/12/2018	
Prof. Biju Balakrishnan	Modulation and Demodulation	Touch screen Laptop with stylus and Screen recorder	17/12/2018	
Prof. Biju Balakrishnan	Huffman and Shannon Fano codes	Touch screen Laptop with stylus and Screen recorder	02/01/2019	
Prof. Prashant Ambadekar	Introduction to CNC Course	Camtasia Software	01/07/2018	

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	734	631	734	72	72	9	631	100	0
Added	0	0	0	0	0	0	0	0	0
Total	734	631	734	72	72	9	631	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Lecture Video	https://youtu.be/Vf8LCWTXotM

Media Lab	https://www.youtube.com/watch?v=S6b5Jlu1GlM
Lecture Video	https://www.youtube.com/watch?v=evDd-5ZvDaq
Lecture Video	https://www.youtube.com/watch?v=9v5E0U60A4s
Lecture Video	https://www.youtube.com/watch?v=hZkdo-_ZRRQ
Lecture Video	https://www.youtube.com/watch?v=rJ0mz4nfVE0
Lecture Video	https://www.youtube.com/watch?v=q9-kCc8I-L0
Lecture Video	https://www.youtube.com/watch?v=nszdk5MEPik
Lecture Video	https://www.youtube.com/watch?v=xS-Vlkjnyac
Lecture Video	https://www.youtube.com/watch?v=CbYwR701aTo
Lecture Video	https://www.youtube.com/watch?v=NHrsJXvN3dq
Lecture Video	https://www.youtube.com/watch?v=GJx4yfR22ls
Lecture Video	https://www.youtube.com/watch?v=iSxXoP85JVI
Lecture Video	https://www.youtube.com/watch?v=0nHPKyN9cgk_8
Lecture Video	https://www.youtube.com/watch?v=YqRoB4WD0GU
Lecture Video	https://www.youtube.com/watch?v=6dAOsPQWX9E
Lecture Video	https://www.youtube.com/watch?v=ojsCRGmPxO4&t=35s
Lecture Video	https://www.youtube.com/watch?v=Z7bH2j4yoHY&t=15s
Lecture Video	https://www.youtube.com/watch?v=iq33DjCgGRY&t=16s
Lecture Video	https://www.youtube.com/watch?v=e4ZGdx622g&t=147s
Lecture Video	https://www.youtube.com/watch?v=bRnY7vnHfuM&t=1s

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
165.64	**155.85**	**114.2**	**115.11**

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

Adequate academic, physical and support facilities are available on campus. In order to ensure their maintenance and optimum utilization, various systems and procedures are established so as to benefit all the stakeholders. 1. Maintenance of Physical Infrastructure and Support facility: Institute believes in maintaining a clean campus. In view of this annual maintenance contracts are signed with external agencies, which ensures that the maintenance of the physical, academic and support facilities is carried out in a planned and systematic manner as per the standard policies developed by the Institute. a) Routine Maintenance: Cleaning, Dusting, Sweeping and Mopping of all areas is undertaken daily by the contractual housekeeping staff and is supervised by the attendants of every department. The Institute has multiple automated cleaning equipment for this purpose. Regular cleaning charts and progressive maintenance records are maintained. For minor repairs, the Institute has a workforce of Carpenters, Electricians and On Call Plumbers. b) Preventive Maintenance: Air Conditioning: Many areas of the Institute are air conditioned. The maintenance of the Heating, Ventilation, and Air conditioning (HVAC) system is outsourced. The agency services the machines monthly and on call repairs and submits its report to the administrative office. Fire Alarm System: The Institute has deployed Fire Alarm Systems as prescribed by Navi Mumbai Municipal Corporation(NMMC) CCTV: The Institute has installed multiple CCTVs on the Campus. The maintenance of the system is outsourced to M/s Crew Business System.The agency inspects the equipment monthly and submits its report to the Security Officer Lifts: All the lifts are maintained through AMC with Johnson Private Elevators Water testing: Though the Institute gets its supply of potable water from NMMC, the estate maintenance department periodically gets the water sample tested ensure quality. AudioVisual System: The high end AV systems and PA systems are maintained on on call basis. Periodic checks are carried out for electrical fittings and other equipment such as projectors, amplifiers and speakers. Pest Control: Pest control which includes combating general disinfection, rodent treatment and larva breeding is done periodically as per predecided calendar. AntiTermite treatment is also done periodically 2. Maintenance of IT Infrastructure: Systems Department ensures that the maintenance of the IT Infrastructure is carried out in a planned and systematic manner as per the standard policies developed by the Institute. The Institute has a fullfledged Systems Department with a qualified Systems Manager for efficient management of IT infrastructure on campus. Systems Administrator along with laboratory assistants, ensures that the IT infrastructure (including hubs, L1 / L2 Switches, WiFi Routers etc and peripherals) are always in working condition. The Institute has a policy of purchasing only hibranded computer and networking hardware (from DLink) from reputed companies like HP, Dell, Acer, Lenovo, IBM purchased with 3years warranty and with annual maintenance for repairs. The Server and the firewall are covered under the Comprehensive Annual Maintenance contract. Every laboratory maintains a complete record of the equipment such as DeadStock Register, Maintenance Register, utilization and LabReadiness Certificate.

https://docs.google.com/document/d/1RbGhpfL88PT5NnXtw-Gn6vjNXH7iBBlRLMmD2dWn87M/edit

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support	SIES Endowment	49	83840

from institution			
Financial Support from Other Sources			
a) National	Scholarship instituted by Industry Others	15	415000
b)International	Trans Union Scholarship Program	11	60000
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Remedial Coaching	11/07/2018	60	SIESGST, Nerul
Language Lab	11/07/2018	230	SIESGST, Nerul
Personal Counselling and Mentoring	11/07/2018	1500	Ms. Sadaf Parker, Counselling Psychologist and SIESGST Faculty
Soft skill development	25/06/2018	58	IMS, Mumbai
Soft skill development	14/07/2018	38	Campus Credential
Soft skill development	07/08/2018	133	Morphoses Learning Pvt. Ltd., Mumbai
Soft skill development	28/02/2019	30	Ms Roshni Bhattacharya,Corporate Trainer
Guidance for Competitve Exam	31/07/2018	339	IMS, Mumbai
Career Guidance	13/08/2018	180	Aspiring Minds (AMCAT)
Career Guidance	24/08/2018	81	TCS, Mumbai
Career Guidance	05/04/2019	152	Gejo Sreenivasan, Career Launcher
Career Guidance	12/04/2018	140	Capt. J K Chaudhary, Indian Navy
Bridge Course	01/09/2018	30	Ms. Stephy Benny, SIESGST
Bridge Course	14/01/2019	90	IETE (Workshop), SIESGST
Bridge Course	19/01/2019	20	Dr. Vijay Katkar , SIESGST
Bridge Course	21/07/2018	9	Bombay Master Printers Association, Mr. Iqbal Kherodawala,B

			uisness owner, Printline Reproductions Pvt ltd
Bridge Course	20/10/2018	16	Bombay Master Printers Association, Mr. Nitin Shah Award Offset Printers Packaging Pvt. Ltd.
Bridge Course	28/02/2019	33	Mr. Vishram Bapat, Mr. Bharat Chhatre, Ms. Kiran Kanteliya, IDHS
Bridge Course	18/04/2019	61	Prof. Aiyappan PillaiExecom Member,IEEE Bombay Section
Bridge Course	04/10/2018	35	Dr. S N Teli, HoD, Bharti Vidyapeeth College of Engineering, Navi Mumbai
Bridge Course	30/08/2018	42	Mr. Sambhaji kadam, Sai Vision Innovative Technology Pvt. Ltd
Bridge Course	18/06/2018	27	Fcaulties of Mechanical Department, SIESGST
Bridge Course	21/07/2018	20	SAS Session Series by BMPA
Bridge Course	25/10/2018	24	Arena Animations, Mumbai
Bridge Course	25/11/2018	11	Pressman Solutions, Mumbai
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Guidance for Competitive Exams	339	0	72	0
2019	Career Guidance	0	553	0	279
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Refer Excel Sheet Uploaded	480	247	Refer Excel Sheet Uploaded	75	32
[View File](#)					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E	Information Technology	University of North carolina, USA	M.S
2019	1	B.E	Information Technology	University of Colorada Denver	M.S
2019	1	B.E	Information Technology	PACB University,NY	M.S
2019	1	B.E	Information Technology	Monash University, Australia	M.S
2019	1	B.E	Information Technology	University of Maryland, USA	M.S
2019	1	B.E	Information Technology	Drexel University, USA	M.S
2019	1	B.E	Information Technology	SIES College of Management, Navi Mumbai	MBA
2019	1	B.E	Information Technology	Manipal Academy of Higher Education,Bangalore.	PGDM
2019	1	B.E	Electronics & Telecommun	University of Maryland,	M.S

2019			ication	USA	
2019	1	B.E	Electronics & Telecommunication	CDAC Hyderabad	PGDMC
2019	1	B.E	Electronics & Telecommunication	Nottingham Trent University UK	M.S
2019	1	B.E	Electronics & Telecommunication	Stevens University New Jersey	M.S
2019	1	B.E	Electronics & Telecommunication	Angelia Ruskin University	M.S
2019	1	B.E	Electronics & Telecommunication	University of Dayton	M.S
2019	1	B.E	Computer Science	CSU Chicogo	M.S
2019	1	B.E	Computer Science	University of Illinois at Chicago	M.S
2019	2	B.E	Computer Science	Rochester Institute of Technology	MBA
2019	2	B.E	Computer Science	State university of Newyork	M.S
2019	1	B.E	Mechanical Engineering	University of florida	M.S
2019	3	B.E	Printing & Packaging Technology	Rochester Institute of Technology	M.S
2019	4	B.E	Printing & Packaging Technology	Indian Institute of Packaging	PGDP
2019	1	B.E	Mechanical Engineering	University of Florida	M.S
2019	1	B.E	Mechanical Engineering	University of Sunny Buffalo	M.S
2019	1	B.E	Mechanical Engineering	University of Binghamton, New york	M.S
2019	1	B.E	Mechanical Engineering	Welingkar Institute of Management Development & Research	MBA

2019	1	B.E	Mechanical Engineering	IIM Amritsar	MBA
2019	1	B.E	Computer Science	BSE Institute Ltd	M.Tech
2019	1	B.E	Computer Science	University of Central Florida	M.S
2019	1	B.E	Computer Science	Indiana University Bloomington	M.S
2019	1	B.E	Computer Science	University of Bl	M.S
2019	1	B.E	Computer Science	Stevens Institute of Technology	M.S
2019	1	B.E	Mechanical Engineering	North Eastern University	M.S
2019	1	B.E	Electronics & Telecommunication	SIES College of Management, Navi Mumbai	MMS
2019	1	B.E	Electronics & Telecommunication	Navin Jindal School of Management	MBA
2019	1	B.E	Information Technology	Sardar Patel Institute of Technology, Mumbai	M.Tech

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	28
TOFEL	20
GATE	8
CAT	3
Any Other	13

View File

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

Activity	Level	Number of Participants
IPL Auction	Intra Collegiate	25
Pitch Please	Intra Collegiate	25
WebWeWerz	Inter Collegiate	25
Socio Tech	Inter Collegiate	30

JAM	Inter Collegiate	15
Snakes and Ladder	Inter Collegiate	100
Buzzz..	Inter Collegiate	15
Spin Wheel	Inter Collegiate	50
Coke can DJ	Inter Collegiate	15
virtual sculpture	Inter Collegiate	25
Impressions	National Level	80
Cage Cricket	Intercollegiate	100
Cage Footbal	Inter Collegiate	200
Tug of War	Intra Collegiate	420
Rink Football	Inter Collegiate	180
Badminton	Inter Collegiate	45
Table Tennis	Inter Collegiate	30
Chess	Inter Collegiate	25
Throwball	Inter Collegiate	15
Open Cricket	Inter Collegiate	110
Dance Solo	Inter Collegiate	20
Dance Duet	Inter Collegiate	10
Dance Group	Inter Collegiate	60
Solo Singing	Inter Collegiate	30
Fashion Show	Inter Collegiate	20
Amrock	Inter Collegiate	15
Karaoke	Inter Collegiate	50
B Boying	Inter Collegiate	10
Standup Comedy	Inter Collegiate	15
Cartoon Box Office	Inter Collegiate	15
Robo F1 Hurdle	Inter Collegiate	25
Robo Sumo	Inter Collegiate	25
Robo Soccer	Inter Collegiate	50
Project Exhibition	Inter Collegiate	25
Technical Paper Presentation	Inter Collegiate	20
Google Whacking	Inter Collegiate	25
Dream Job	Inter Collegiate	20
Inquisitive	Inter Collegiate	20
HP Mania	Inter Collegiate	25
Just a Minute	Inter Collegiate	25
Radium Den	Inter Collegiate	25
Ball Freestyle	Inter Collegiate	50
Logonix	Inter Collegiate	50

Lan Gaming	Inter Collegiate	100
Innovations	National Level	100
Techopedia	National Level	100
P Pack	National Level	25
Texter	National Level	100
Adobe Illustrator	Inter Collegiate	15
Junkyard Wars	Inter Collegiate	25
Debate	Inter Collegiate	25
Sports Quiz	Inter Collegiate	25
Movie Mania	Inter Collegiate	25
Graffiti	Inter Collegiate	25
Snap	Inter Collegiate	25
Rangoli Competition	Inter Collegiate	15
Face Painting Cometition	Inter Collegiate	15
Eat to win	Inter Collegiate	180
Shades of string	Inter Collegiate	20
DJ Wars	Inter Collegiate	5
Painting without Brush	Inter Collegiate	15
Street Play	Inter Collegiate	50
Monoacting	Inter Collegiate	15
Harry Potter Mania	Inter Collegiate	10
Wrap up the scrap	Inter Collegiate	15
Just a mInute	Inter Collegiate	100
Caption Action	Inter Collegiate	15
Treasure Hunt	Inter Collegiate	100
Look who is the cook	Inter Collegiate	20
Lterary Club (Gravitas Event) Word war 2.0	Inter Collegiate	75
Elocution (literary Club)	Inter Collegiate	10
Story writing (Literry Club)	Inter Collegiate	10
Robo Cricket	Inter Collegiate	50
Virtual Reality Based Games	Inter Collegiate	50
Robomaze	Inter Collegiate	50
Aqua Bot	Inter Collegiate	25
Poetry Writing (Literary Club)	Inter Collegiate	10
Scrabble (Literary Club)	Inter Collegiate	15
Pictionary	Inter Collegiate	15
Spell Bee	Inter Collegiate	15

Instrumedley	Inter Collegiate	10
HP Mania	Inter Collegiate	10
Bigg Boss 2	Inter Collegiate	25
Mr and Miss TML	Inter Collegiate	5
Nukkad ka Natak	Inter Collegiate	15
Bizence	Inter Collegiate	5
Make your Fair	Inter Collegiate	15
Biz quiz	Inter Collegiate	15
Footbid	Inter Collegiate	15
AdFrenzy	Inter Collegiate	15
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Won consolation prize in University level debate competition at Mumbai University Youth Festival	National	0	1	216A4045	Mr. Jay Pradhan
2018	Secured first prize in Group dance competition at NMIMS	National	0	1	116A3063, 116A4026, 117A6053, 116A6033,117A6040, 118A1056	Pradyumna Vishwanathan, Vishal Manikandan, Anish Shetty, Rikin Nanote, Yash Pillai, Sarvesh Nayak
2018	Secured first prize in Group dance competition at LT College of Engineering	National	0	1	116A3063, 116A4026, 117A6053, 116A6033,117A6040, 118A1056	Pradyumna Vishwanathan, Vishal Manikandan, Anish Shetty, Rikin Nanote, Yash Pillai,

						Sarvesh Nayak
2019	Secured first position in Fashion show competition at Ramrao Adik Instiute of Technology	National	0	1	115A2023, 115A3027	Anas Chaugle, Shrutika Iyer
2019	Secured first position in single Carrom at KC College	National	1	0	116A6012	Omkar Devadiga
2019	Secured first position in double Carrom at KC College	National	1	0	116A6012, 116A6046	Omkar Devadiga, Aditya Raje
2019	Secured fourth position in 100m athletics in Mumbai Games	National	1	0	118A2074	Akanksha Nakati
2019	Secured third position in 200m athletics in Mumbai Games	National	1	0	118A2074	Akanksha Nakati
2019	Secured fourth position in Hurdles at Mumbai University Youth Festival	National	1	0	118A2074	Akanksha Nakati
2019	Secured second position in Disc Throw in sports festival at VJTI	National	1	0	117A6030	Vineet Mudaliar

| 2019 | Secured 9th position in 6 km marathon at Terna Medical College | National | 1 | 0 | 217A1115 | Satish Manikannan |
| 2018 | Taekwondo (Silver medal) | National | 1 | 0 | 116A3004 | Yasin Ansari |

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

The institute has a very active Student's Council (SC), formed by a well established process. The process starts with inviting applications from the students for the various posts of SC. It consists of President, Secretary, Technical Secretary, Sports Secretary, NSS representative, Ladies representative, Class representatives, HOD Nominees and Student chapter representatives. The Class Representatives from each branch is selected based on academic merit in the preceding examination. HOD Nominees from each Department are from final year. At GST, every department has a professional student chapter IETE,IEEE,CSI,IPI, SAE and ISHRAE. Selection process: A selection committee comprising of Principal, HoDs and the SC Incharge is formed for the selection of the Technical, Cultural, Sports Secretary from final year and the Ladies and NSS representative from the third year through an interview. The core council formed by the above members elect the General Secretary and the President. The 50 member SC thus formed, has representation from all the departments and together they act as a link between the students and management. To ensure proper handing over of responsibilities from the previous council, the formation is done at the end of the academic year. The new council takes charge from the beginning of the new academic year. The SC also forms various dedicated teams for tasks such as Marketing, Public Relations, Logistics, Sponsorship generation, Social Media Management, Multimedia Editing and Photography based on the students' interests. This helps the students to gain first hand expertise and a better understanding of these fields. To improve the Alumni interaction, new post of Alumni representative was introduced. UDGAM an ISR team was formed in the year 2018 to sensitise social issues amongst the students. Several clubs such as music dramatics, literary, robotics also work along with SC. The SC along with professional chapters and NSS plan and organize all extracurricular, co curricular events and prepare an event calendar. Alongside organizing college festivals and a plethora of workshops and skill development sessions across the academic calendar, the members also plays a vital role in various institute level committees like the women development cell, anti ragging, IQAC, CDC and ISR. The Technical Team of SC also contributes towards development of apps and web portals to improve the processes. One such app was the portal companion, an ERP Solution for the student related activities. They are involved in all the activities that define the life of a student at GST. Right from the orientation of the FE students, to the farewell of the Graduating students, the council plays an integral part in the organization and execution of these activities. The college allocates significant funds for the smooth conduction of all the major activities. Students are also involved in making a detailed budget and marketing their events to procure funds. The college annual festival – Tatva Moksh Lakshya is dependent on the marketing done by the SC. Involving the students in various administrative bodies has made them more responsible and strengthened their bonding with the institute.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

SIESGST has played a pivotal role in shaping the careers of students into technocrats, leaders, entrepreneurs, researchers and global managers. The Institute firmly believes in connecting with all alumni through alumni association and therefore, mechanisms like Alumni Association, Alumni Directory / Database are devised. Alumni Committee is functional since 2010 with the objective to nurture a bond with alma mater, to receive feedback on the design and review of syllabus, to enhance employment opportunities and to create a networking platform to share and influence the success stories of alumni. Subsequently, Alumni Association was formed in 2012 having one representative from every Department to cater to the ever increasing number of alumni. Alumni Linkedin and Facebook pages created helps the institute to remain connected with the alumni. GST takes pride in many star alumni who are currently pursuing and completed higher studies from institutes of eminence, India and Abroad, holding eminent and illustrious positions in various multinational companies. Some of the alumni are also successful entrepreneurs who have been felicitated as best entrepreneurs. Contribution from Alumni: GST alumni contribute significantly to the development of the Institute through the following nonfinancial means judging various competitions during annual festivals and mentoring the students. They have also been actively contributing to the NSS unit. The successful alumni entrepreneurs have been regularly contributing to Entrepreneurship Development Cell (EDC) and innovation cell by conducting workshops on writing 'Business Plans' and by arranging sponsorship of Rs. 70,000/ from Intel for Hackathon event. They have also played a major role in bridging industry academia gap by organizing events like Developer Weekend. They have also been mentoring students of the EDC and have arranged for internships for students. Financial contribution: Sponsoring special awards which are given to the students for their exceptional contribution in the field of sports, technical, academics and for being the most enterprising student and one for being an all rounder. Providing scholarship for economically weak students. Helping in getting sponsorship for conduction of events. Setting up of basket ball facility in the campus. Expert speaker: Alumni are invited for: guest lectures in their respective domains training programmes, seminars, for induction programs for the First Year Engineering students etc. Experience sharing: A Total of 10 alumni meets have been organised by the Alumni Committee. In all these meets, alumni have shared their valuable experience and inputs on the current trends in the industry. Curriculum enrichment: Alumni contributes for curriculum enrichment through their structured feedback on curriculum inorder to keep pace with the recent advancements in industry. They also help us to mitigate the identified gaps through beyond syllabus activities like handson workshops, guest lectures and valueadded courses Faculty: Few alumni are appointed as visiting faculty. IQAC: Alumni are active members of IQAC and their inputs are helping us for quality enhancements. Placements: Alumni facilitates for campus recruitment by suggesting to their companies. Alumni are also invited as a member on the Department Advisory Board (DAB) of the various programmes.

5.4.2 – No. of enrolled Alumni:

3320

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

579000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni Reconnect: annual alumni meet organized on 05/01/2019. 2. Alumni Student League organized on 02/09/2018 and 07/09/2018. 3. Workshop on cutting edge technology organized by alumni association for students from second year on wards from 10/06/2019 to 16/06/2019.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The Institute promotes decentralisation and participative management in various administrative and academic activities at different levels for effective implementation and hence monitoring of SOPs, policies, regulations and guidelines. The decentralization in governance encourages participative approach which leads to effective implementation of various processes and systems. There is a structured delegation of authority that encourages the academic leadership among the faculty within subject disciplines, and peer groups. Case Study: 1. Procurement Process Development of laboratories is always a priority for the Institute, and it is always ensured that all the laboratories are adequately equipped. The respective faculty laboratory in charges and subject coordinators initiate the process of procurement by reviewing: 1. New requirements as per syllabus revision, if any, 2. Industry requirements The technical staff and subject teachers are involved for the preparation of proposal which is subsequently sent to the HOD for approval. The HOD then reviews the requirements based on the availability and current status of equipment, product specifications and the quoted price of the same. Then the consolidated proposals of all the departments are sent to the Registrar who further recommends the proposals on the basis of the budget sanctioned for each department for such capital expenditures. The purchase requisition is raised for all such proposals and sent to the Centralized Purchase Department. The purchase department then reviews the proposals and their quotations followed finalization of vendor. Further the purchase department tracks the whole process of purchasing and receiving the goods by the departments. The process is completed with generation of the Goods Receipt Note (GRN) by the technical assistant of the laboratory. 2. Professional Development Activities for Students The Institution enables students to acquire meaningful experiences for learning at the campus with an aim to provide holistic development and progression to every student. The institute believes in a relationship between academics, extra co curricular activities to build a strong personality and unshakable character of students. To achieve this every department has taken up the responsibility of managing activities under a specific professional student chapter like the IEEE chapter is associated with the Electronics Telecommunication departments, Computer Engineering department has Computer Society of India, Information Technology has IETE chapter, Printing Packaging Technology department has IPI student chapter, Mechanical Engineering department has ISHRAE and SAE. The department plans an activity calendar for the entire semester and also manages the conduction of the activities. Every department takes complete responsibility of involving their department students in organizing professional activities for the entire institute under the professional student chapters. Every professional chapter also conducts a national flagship event once a year. This structure enables and provides opportunity to every student to get involved in the self development process and thus providing a platform to hone their hidden talents. This encourages all the students to extend the range of their experiences and imaginations and venture beyond their comfortable limits.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Industry Interaction / Collaboration	The institute has a. Encouraged consultancy projects with and without financial benefits. b. Entered into a Memorandum of Understanding (MoU) with reputed industries c. Promoted industry sponsored internships and projects d. Guest Lectures by Eminent personalities from Industry
Admission of Students	a. Admissions conducted as per DTE Guidelines, Govt. of Maharashtra. b. Management Quota / InstituteLevel Seats are filled with utmost transparency and zero capitation fee, only based on merit. c. To increase visibility, information leaflets were circulated locally in National Dailies and updated in the Institute Website before admissions.
Teaching and Learning	2.1 Course Objective Outcomes To make the teaching learning process more effective, it is essential to define the course objectives and specific course outcomes for the courses. Thus, all courses are reviewed with a view of Outcome Based Learning (OBE). 2.2. Innovative teaching, learning and assessment practices Use of ICT for effective teaching with ELearning resources and employing digital platforms such as GSuite for education for providing the digital content to students. 2.3 Catering to student Diversity Appropriate teaching methods are designed to address the student needs to improve their performance.
Examination and Evaluation	1. Tutorials and Practicals are evaluated based on Rubrics for the performance of students and the degree of meticulousness in maintaining of their record which has been included in the faculty handbook. 2. The evaluated answer booklets for internal tests are shown to the students for helping them analyse their errors and in improvement. 3. Innovative assignments and assignment methods are followed in the Institute such as class assessment, weekly assignment, home assignments, group assignments, online quiz, etc. to enhancement learning ability of

		students.
	Research and Development	To strengthen research activities in the institute, seminars and workshops are regularly arranged to create research culture. The institute encourages faculty participation in research activities on and off campus. Institute encourages research through minor research proposals. Institute Innovation cell is established to promote and encourage innovative projects. Students are also encouraged to take up innovative projects publish research papers, participate in hackathons and project competitions. Faculty members and students are encouraged to take up collaborative projects with research centres like CDAC.
	Curriculum Development	1.1 Department Advisory board: The institute aims at creating specialised faculty groups in technical domains to ensure curriculum enrichment by identifying gaps and accordingly, designing various beyond syllabus activities for strengthening the Academics. 1.3 Preparation of the AcademicActivity Calendar, a planning document for students, faculty, Staff and departments for each semester 1.4 Curriculum Delivery through Beyond Syllabus Activities: Industrial Visits Guest lectures, Internships Industry Projects Problem Based Learning, mini projects, poster presentations. 1.5 Industryoriented certification courses MOOCs Value Added Courses 1.6 Academic Audit The institute shall conduct the academic audit to ensure effective execution of academic planning
	Library, ICT and Physical Infrastructure / Instrumentation	Institute is WiFi enabled with CCTV and also having ERP for administrative support and egovernance. The central library is well equipped with books, efacilities and automated using integrated management system. A significant amount of the annual budget is utilized for procurement of books, eJournals, printJournals and periodicals. The institute is equipped with Internet accessibility up to 100 Mbps. Media Lab is setup within the Library for Creation of Video Lectures and eContent. The institute is equipped with indoor sports facilities. 24 hours power backup is provided with enough generators for uninterrupted power

	supply throughout the session.
Human Resource Management	The institute has excellent strategies/ norms for Human resource Management. It ensures that a. Payroll is as per norms b. Time and Attendance are monitored on a daily basis c. Performance record is maintained d. Performance appraisal is conducted e. Faculty and Staff recruitment are always based on merit. f. Seminars / trainings are conducted to train the newly recruited faculty g. Several internal workshops are held to train the faculty and staff to enable them to update their knowledge. h. IQAC creates awareness among faculty regarding quality.

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

E-governace area	Details
Examination	The institute uses Khushi Software for Entry of Examination Marks, Generating Reports, Generating Marksheets, Exam form Filling and other exam related functions.
Administration	The Institute Administration is powered by SRM software SIES Education Management System which is used as a single portal for complete procurement system for the Institute. Railway Concession requests from students are taken through Portal Companion, Institute,s inhouse developed app. All communications internally are facilitated through GSuite for Education (MoU signed between SIES GST and Google), which includes email IDs and other google tools provided to improve the administrative activities between staff, students and alumni. Official Email IDs for staff members are provided through an MoU with Microsoft (edu domain) for external communications. Library uses the eGranthalaya software (opensource) for Library Management.
Student Admission and Support	The Institute uses the customized Digital Edu Software for the Admission Procedure. It provides modules for student Registration, Application form filling, Generation of Merit lists, Dissemination of information through Bulk SMS/Email to parents / students, Online Payment Options, Payment Receipts, Generation of Admission Reports branchwise and Generation of Student ID Card data. The software

	helps in maintaining the complete records of every student including their parents contact details.
Finance and Accounts	The Finance / Accounts department uses the Tally ERP system for all their data management and report generation.
Planning and Development	IonCUDOS Learning Management System is utilized in the Institute for planning lectures / practicals / tutorials for making session plans and linking the topics with Course Outcomes and mapping them with Program Outcomes. Further, the software is used to check the attainment level of students at the end of each year. The software also provides complete academic inormation for every course including question banks, cognitive levels, syllabus and insructional strategies.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Prof. Vijaya Patil	The IEEE conference IEMECON 2019 on 13 to 15 March 2019	NA	2500
2019	Dr. Pradip Patil	The IEEE conference IEMECON 2019 on 13 to 15 March 2019	NA	2500
2018	Prof. Prashant Ambadekar	International Conference on Recent Trends in Image Processing RTIP2R2018 held on Dec 2122, 2018	NA	4500
2019	Dr. Vikram Patil	48th ISTE National Convention held at VTU, Belagavi on March 1920, 2019	NA	2945
2019	Prof. Onkar Potdar	48th ISTE National Convention held	NA	2945

2019	Dr. Vikram Patil	7th Academic Brilliance Award 2019 on 26th January, 2019	NA	19392
2019	Prof. Leena Ladge	IQAC Co ordinator Meeting on 22nd October, 2018	NA	2000
No file uploaded.				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	STTP on Neural Network and Deep Learning using TensorFlow	NA	01/01/2019	05/01/2019	35	0
2019	Workshop on IEEE Explore Digital Library	NA	25/02/2019	25/02/2019	19	0
2019	Technical talk and i nteraction on Design and Develo pment of Analog ins truments	NA	08/03/2019	08/03/2019	19	0
2019	Industrial Visit to TIFR FPGA Lab	NA	20/04/2019	20/04/2019	4	0
2019	One day workshop on Scilab, Teaching Learning Centre (ICT),	NA	04/05/2019	04/05/2019	15	0

	Supported by FOSSEE Spoken Tutorials at IIT Bombay					
2019	FDP on Handson Mendeley	NA	30/05/2019	30/05/2019	15	0
2018	AICTEISTE aproved STTP on "Computer Network Security"	NA	15/11/2018	22/11/2018	34	0
2018	FDP on "Virtualizati on Overview Vmware Vsphere 6.x"	NA	14/08/2018	14/08/2018	19	0
2019	FDP on "Ge oinformati cs and related open sources Te chnologies "	NA	10/01/2019	12/01/2019	20	0
2019	FDP on "Healthy Minds"	NA	18/02/2019	18/02/2019	14	0
2018	Seekho aur SamjhoNew Season with topic "Print Related Issues for Commercial and Packaging Finishing"	NA	21/07/2018	21/07/2018	2	0
2018	Seekho aur SamjhoNew Season with topic "How to Handle Chemicals with Probable Hazardous Nature Man	NA	20/10/2018	20/10/2018	2	0

| 2018 | A seminar on "Process Control for Pressroom" | NA | 22/11/2018 | 22/11/2018 | 2 | 0 |
| 2019 | Application of computer aided engineering tools in mechanical Technology | NA | 01/01/2019 | 05/01/2019 | 21 | 0 |

[View File](#)

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Please refer to the excel sheet	367	11/07/2018	21/05/2019	12

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
79	103	42	56

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
4	4	1

6.4 – Financial Management and Resource Mobilization

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

The Institute has a system of internal and external audit. Statutory audit is conducted once a year by the external auditor as per stipulated provisions of the Income Tax Act. M/S. V. Sankar Aiyar Co, Chartered Accountants have been our Statutory Auditors for the last 5 years. They are independent auditors appointed by the Society to conduct audits. Audit of the financial statements including the Balance Sheet and Income Expenditure Account of the Society is conducted. The reports of the statutory auditors are available for the last 5 year. Proper books of accounts are maintained by the Society and the financial statements give a true and fair view in conformity with the accounting principles on the Balance Sheet and Income Expenditure Account. The internal audit is conducted on quarterly basis and is notified to the management through the MIS. The same is validated during the external audit.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
As per the list attached	399653	As per the list attached
View File		

6.4.3 – Total corpus fund generated

1188148

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Senior faculty from other reputed Institutes	Yes	Interdepartmental Heads/Senior Faculty Auditors
Administrative	Yes	Senior staff members from other reputed Institutes	Yes	Interdepartmental Heads/Senior Faculty Auditors

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

The parents have been an instrumental Stakeholder of our Institute and they have been a pillar of strength over the years in the welfare of the students and the Institute. Following are some of the activities and support received: 1. Sponsorship for student activities. 2. Industrial Training / Internship Facilitation. 3. Assistance in placements for students. 4. Contributing through advisory boards. 5. Scholarship for needy students 6. Guest Expert Lectures

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

Following programmes were conducted 1. Workshop on Essentials of Dealing with Situations conducted on September 19, 2018 2. Workshop on Health Management Ergonomic Interactive Session conducted on September 27, 2018 3. Workshop on Digital Transformation – Paperless Office Administration conducted on March 19, 2019 4. Workshop on Effective Written Communication conducted on March 26, 2019

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

Following are the Post Accreditation Initiatives: 1. introduction of additional Value added courses 2. econtent creation facility by settingup a Media Lab for Video recording of Lectures and purchasing Desktop recording software Camtasia for video creation. 3. Implementation of antiplagiarism software URKUND for student / faculty publications. 4. Setting up of Institute Innovation Cell under MHRD for improving the innovation ecosystem. 5. Taking up consultancy projects by faculty members.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Faculty Development Seminar on Recent Trends in the IT Industry by Mr. Avinash Krishnamurthy. HR TCS Mumbai	18/08/2018	18/08/2018	18/08/2018	75
2018	Developers Weekend for Students, Faculty and Industry Pro fessionals to strengthen Industry Institute Interaction.	08/09/2018	08/09/2018	09/09/2018	300
2018	Paradigm Literary Festival for promoting self learning and imparting life skills to students	24/09/2018	24/09/2018	26/09/2018	100
2018	2 day session on Road Map to Achieving Institute Excellence for Global Recognition	26/11/2018	26/11/2018	27/11/2018	80
2019	Managemet Review Meeting to review progress of departments	13/02/2019	13/02/2019	14/02/2019	80
2019	Model United Nations for imparting life skills and exploring global issues.	16/02/2019	16/02/2019	17/02/2019	100

2019	GST Developers Programme to impart teaching learning and knowledge and idea sharing among students	26/03/2019	01/09/2018	26/03/2019	90
2019	Exam reform workshop conducted by AICTE at COE, Pune attended by 2 faculty members	01/02/2019	01/02/2019	01/02/2019	2
2019	IQAC Meeting	29/06/2019	29/06/2019	29/06/2019	17
2018	Quality Check for Internal Test Question papers	14/08/2018	14/08/2018	18/08/2018	103
2018	Seminar on Rules and Regulations of conducting examination and result preparation	06/09/2018	06/09/2018	06/09/2018	80
2018	IQAC Meeting	29/09/2018	29/09/2018	29/09/2018	18
2018	IQAC Coordinators Workshop conducted by Rashtriya Uchchatar Shiksha Abhiyan(RUSA) at University of Mumbai, Kalina attended by Institute IQAC Coordinator	22/10/2018	22/10/2018	24/10/2018	1
2018	Induction Programme conducted for First Year	31/07/2018	31/07/2018	04/08/2018	381

	Engineering students				
2018	Student Developent Programme on GD PI and role play was conducted for final year students under Career Development Cell by Prof. Swapna Tamhankar from IBS, Mumbai.	23/08/2018	23/08/2018	23/08/2018	60

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Seminar on Healthy Gender Attitude	27/09/2018	27/09/2018	46	68
Prevention of Sexual Harassment at Workplace for students	06/02/2019	06/02/2019	74	62
Prevention of Sexual Harassment at Workplace for faculty	16/02/2019	16/02/2019	20	10
Women Entrepreneurship: Expectations and Reality	26/02/2019	26/02/2019	91	0
Women's Day Celebration	08/03/2019	08/03/2019	20	20

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

Percentage of power requirement of the University met by the renewable energy sources
1. Total Power requirement of the Institute: 619980 units 2. Power requirement met by renewable energy sources (Solar Energy): 91300 units

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	0	1	04/10/2018	1	Workshop for school children	Improving speaking skills and team building	15
2018	0	1	24/08/2018	7	Kerala Floods Donation Drive	Support to flood victims	250
2018	0	1	01/10/2018	1	Kerala Floods Donation Drive	Rs. 142000/ Monetary Support to flood victims by faculty to CM Relief Fund	63
2019	1	1	01/02/2019	60	Anveshana Project Competition	Project Competition for school children guided by UG Engineering students	8

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

Title	Date of publication	Follow up(max 100 words)
Handbook for Code of Conduct	01/01/2019	The handbook for Code of Conduct for various stakeholders has been published in January 2019. The same has been

communicated to the
stakeholders via
Noticeboard and is always
made available in the
Institutes Administrative
Office.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Open Mic: Social Cohesion Event	08/10/2018	08/10/2018	200
Open Mic: Social Cohesion Event	28/03/2019	28/03/2019	200
Charity Musical Event by students for Divyangjan children	01/03/2019	01/03/2019	150
Social Cohesion: Rivaayat (Traditional Day)	29/08/2018	29/08/2018	1800
Garba Night: Social Cohesion Event	11/10/2018	11/10/2018	400
Teachers Day: Social Cohesion Event	08/09/2018	08/09/2018	150
Seminar on RTI	28/01/2019	28/01/2019	150

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

Following are the initiatives taken to make the campus ecofriendly: 1. Compost Pit is maintained by Stree Mukti Kendraalong with NSS for creating compost out of the canteen waste. 2. Gsuite for Education is utilised to the fullest extent for paperless communication, records and paperless quizzes. 3. Dry waste and wet waste segregation at source has been initiated in AY 201819 4. Solar Panel as a source of renewable energy / alternate energy for utiization in campus. 5. Plastic Ban implemented in the campus. 6. Collection of PET Bottles (Mineral water bottles) at different locations in the campus in collaboration with Bisleri, during major events, for recycling. 7. Esubmissions of Journals in majority of Departments to reduce paper usage.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1st Best Practice: 1. Title: Implementation of Google Apps for Education 2. Objectives: Google Apps is a CloudBased Messaging Collaboration Solution from Google Inc. which provides any Educational Institute, an Enterprise Class platform, and Applications on the cloud. The institute implemented Google apps for education in June 2013 with an objective to provide a platform to enable sharing, communication, and collaboration among students and teachers and enhance Institute's Brand Value in the society. It was also envisioned to modernize the academic process and make the education planning delivery more effective through this platform. All the students and teachers were provided with email IDs with the college domain. 3. Context: The Institute implemented the Google Apps for Education through Global Talent Track Pvt. Ltd (GTT) who had partnered with Google to promote Google Apps in Universities and Institutions. The implementation began with registering a domain name for the

Institute followed by verification of domain ownership. The bulk upload was done with the help of .csv files. The MX records were updated on DNS server to route the email for institute domain. To assure effective and efficient use, GTT provided an admin level and user level training through video conferencing. After successful implementation, the first challenge was to create admin level and user level groups. This was created to facilitate proper communication channel among faculty, staff, and students. 4. Practice: It is found that most of the higher educational institutions in India have very less utilization of technology in the education delivery, communication and collaboration due to 1. Lack of access to cost effective and easy to use tools 2. Lack of access to adequate internet bandwidth 3. Lack of awareness and training of staff involved with the educational institutions. The Google apps provide a solution to all the above issues. It provides a suite of free productivity tools to help students and teachers interact and collaborate seamlessly and securely across devices. Further with the implementation of an outcome based model for higher education, (OBE) in India, the focus is now on abilities skills of the Learners. Google Apps for education came as a solution to all the above mentioned requirements with a setup and management that is simple and the cloud based tools scale easily across classrooms. Tools like Google Classroom also help free up teachers' time so they can focus on quality teaching. It provides facility to prerecord and upload lecture videos and class notes to be accessed by students at their comfort and enables faculty to have more meaningful classroom sessions through group activities, problem solving and interactive learning. The online analytics provide faculty with data on the level of understanding of each student, enabling them to provide personalized support to aid student learning outcomes. The biggest advantage of G Suite for education is that, it is free for educational institutions and is secure and poses no additional infrastructural requirements. 5. Evidence of Success: Google Apps enables institutes to manage all communication from a central place and keeps the whole college on a single official platform. Firstly all the communication in SIES GST was shifted from traditional notice board method to the Gmail service provided by Google Apps. Departmentwise and classwise groups for faculty and students further ensured smooth communication. Some of the achievements of Google Apps implementation were: Google Drive to upload course contents, various files formats, etc. used as an online storage space. Google Docs, Sheets and Slides used by faculty for easy collaboration among faculty members and student members respectively. Google Forms used by faculty to collect various data, feedback, conduct quiz etc. and by students to collect event related details etc. Google Classroom used by many faculty members to share the lecture notes, videos, assignments and communicate with students. Other apps include Google Sites, Google Calendar and others which aid teachers and students. The implementation of Google apps has reduced the usage of paper and significantly contributed towards Go green initiative. 6. Problems Encountered and Resources Required: The institute took several initiatives to overcome this resistance and as a first step, it made it mandatory to use official Gmail ID for all the internal communication by sending all the notices and circulars on official Gmail ID. For every activity /event, an official Gmail ID and Google sites were created to encourage people to use the tools provided by the Google apps. 2nd Best Practice: 1.Title: Institute Social Responsibility (ISR) and Extension Activities at SIES Graduate School of Technology 2. Objectives: The SIES Graduate School of Technology has committed itself to the task of inculcating social values and responsibilities. In line with its Vision of working towards the socioeconomic development of the country, the SIES has taken utmost care to give back to the community. The ISR initiatives at SIESGST range from caring for speciallyabled children to caring for the environment. "Those who have the ability to act, have a responsibility to act." The primary objectives 1. To inculcate social awareness, values and environmental consciousness amongst students. 2. To nurture amongst students,

moral, ethical and social values and ingrain a feeling of giving back to the society and make them responsible citizens of the country. 3. Context: SIESGST has committed itself and taken on priority, the task of an inclusive social upliftment and adopt 'Project Beacon' as its institute social responsibility. 'Project Beacon', incorporates for the targeted youth a set of training programs that are recognized by, and relevant to the requirements of industries. To begin with, seven vocational trades of Carpentry, Welding, Metal Turning, Sewing, Tailoring, Plumbing, Electrician and Computer Operator were taken up. The thrust for societal development is also instilled on a large scale into the students, through the active NSS unit which undertakes various services. The NSS unit of the college has stood by its oath of social responsibility which is evident by the success of its campaigns and activities all throughout the year. Dreamrun, an annual charity event which was started in the year 2014 is organized every year by the student council for some social cause and the money thus collected from the entries and donations are forwarded to the organization working in that social cause. The year 201819 saw two new additions in the list of ISR activities undertaken by the students. The students of the music club also came together and organized a charity concert. A group of devoted students came together and started, an idea generation competition, Ideathon where students closely worked with NGO partners to provide creative and technically productive ideas to real life problems faced by people in the society. 4. Practice: The applications for Project Beacon are called twice in the year (July and December) for all the courses from the school dropouts and underprivileged section of the society. This is mainly achieved through word of mouth publicity or through NGO. The applications are screened thoroughly by ISR committee of the college headed by the principal and based on their preliminary educational and financial background, appropriate courses are recommended to them. Each of these courses is preceded by a foundation course to get the candidates acquainted with minimum functional Banking Skills, Computer Skills, Spoken English, and Mathematics. At the end of the training, the students are placed with service providers, contractors or in industries for internship after which they were facilitated to take certification examinations from concerned agencies and supported to find placement. Dreamrun: Over the years, entities like Naam Foundation, Queen Mary Technical Institute for injured soldiers, Desire society, have associated with the Dream run event and in 201819 the event was with the Sunshine school which caters to the needs of the differently abled children. The students raised funds from sponsors, philanthropists and registration fees and an amount to the tune of Rs. 3.0 lakhs was generated. The funds for the cause are also raised through the charity concert by the students of the music club. Throughout the year, the NSS team undertakes several social activities such cleanliness drives, street plays, blood donation camps, literacy camps, and celebration of national festivals and anniversaries of renowned personalities. 5. Evidence of Success: Project Beacon is a small step to give meaning and purpose to someone's life. As it is rightly said "It costs a candle nothing to light another candle". Hence, SIESGST has pledged to be the candle of inspiration and go on to light the Beacon of Knowledge. SIESGST has now successfully completed four batches of training under Beacon. The institute ensures that the social values and feeling of giving back to the society is not limited to the NSS unit. All the student clubs also do their bit by organizing several charity events under their banners like Dream Run for a social cause, stage plays and many more fund raising cultural events. At SIESGST, every student, as individuals and together with staff, as a college takes part in this endless odyssey of giving back to the society, and to transform it to make it a better place.

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

7.3 – Institutional Distinctiveness

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

Institute Distinctiveness Title: Induction Program for First Year Students Objectives of the practice: • To introduce students to college services to support their educational and personal goals. • To familiarize students with the campus environment and physical facilities. • To create an atmosphere that minimizes anxiety, promotes positive attitudes, and stimulates an excitement for learning. • To provide the families of new students comprehensive information about the academic and student service resources and programs. • To provide employment, leadership, and imparting life skills. The institute organized one week induction program for the First Year engineering students the first of its kind in the whole of Mumbai University. The context of organizing the induction program was when students used to join the course they used to find it difficult to get accustomed to the new environment of professional engineering course. By organizing induction program, students could get exposed to different activities that are organized by the institute for the students' holistic development. The induction program was planned for seven days. It started with traditional orientation program where the students reported branch wise along with their parents in separate sessions. Day 1 of orientation started with formal inauguration of the session along with the presentation by Dean First Year where glimpse of the activities, rules and regulations of the first year engineering was shown to the students, which was followed by the brief introduction of all the section incharges and department heads. The session concluded by taking pledge on "Swachhta hi Sewa" which is in line with honourable prime minister's vision of Swachh Bharat Abhiyan. The students were also briefed about the roles, responsibilities and duties of the Student Council, and about the vision of the institute and efforts taken by the institute in building a prolific personality and unshakable character of the students over the 4 years. Day 2 onwards, students were divided into groups and directed towards multiple activities planned in line with the objectives. The following activities were conducted: • A field trip to Kushtarog Niwaran Samiti at Shantivan, situated near Panvel, Navi Mumbai. And tree plantation drive. • A résumé building workshop using Google Sites, LinkedIn and Github by the members of Literary and Technical team of the student council. • Dance workshops by college dance teams Moksh and Aagmi. • Poster making and hosting sessions to provide exposure to the artists and public speakers respectively. • A karaoke hour to determine the surreal voices among the new students. • Soft skill session by Literary Team on creative writing, debate. • Indoor and outdoor sports sessions. • Alumni Interaction session where various alumni are invited to interact with students and parents. • Various expert sessions to address the technical needs of the industry. The students got adjusted to the new environment very well which was evident by the overwhelming response of students in college activities and good results

Provide the weblink of the institution
http://www.siesgst.edu.in/institute_best_practice

8.Future Plans of Actions for Next Academic Year

The Institute plans the following for implementation in next academic year 1. Improving the quality and number of research publications by faculty 2. Strengthening alumni connect for grooming graduating students and supporting in placements and internships 3. Equipping the Institution to start PG Ph.D. programs 4. Enhancing life skills and personality of the students. 5. Setting up an incubation centre and creating an innovation ecosystem