



Yearly Status Report - 2017-2018

Part A

Data of the Institution

1. Name of the Institution		SIES GRADUATE SCHOOL OF TECHNOLOGY
Name of the head of the Institution		Dr Vikram Patil
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		022-61082402
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/topbar/aqar.php			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://siesgst.edu.in/academics/acad_cal.php			
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			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		
Life Skills Training for	02-Feb-2018		146		

BE students in collaboration with Barclays-GTT	2	
Writing and Publishing Research Articles	03-Feb-2018 1	79
IEEE ASPP training session by GST Library with EBSCO for CE, IT and EXTC faculty	12-Jan-2018 1	24
Organized AICTE-ISTE approved STTP on	01-Jan-2018 6	30
Funding Agencies and Research Proposals by Vikas Phalle, VJTI, Mumbai	19-Aug-2017 1	60
Life Skills Training for BE students	16-Aug-2017 2	282
One week AICTE-ISTE STTP on FPGA Design using VHDL by Dept of EXTC	07-Jul-2017 6	25
One week AICTE-ISTE approved STTP on Cyber Security & Digital Forensics by Dept of CE	03-Jul-2017 6	22
Campus Recruitment Training fo BE students by T & P Cell	03-Jul-2017 8	55
AICTE-ISTE approved STTP by Dept of IT	03-Jul-2017 5	26
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Vandana Sawant	Minor Research Grant	University of Mumbai	2018 365	15000
Anandita Khade	Minor Research Grant	University of Mumbai	2018 365	40000
Pranita Mahajan	Minor Research Grant	University of Mumbai	2018 365	20000
Sunil Punjabi	Minor Research Grant	University of Mumbai	2018 365	35000
Varsha Patil	Minor Research Grant	University of Mumbai	2018 365	25000
Sandhya B	Minor Research Grant	University of Mumbai	2018 365	60000
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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	50000
Year	2018

12. Significant contributions made by IQAC during the current year(maximum five bullets)
Faculty Development Program on Aptitude Test Training was conducted by Training placement cell on June 27, 2017 to June 28, 2017.
Printweek India hosted its Flagship Jury Week for the Printweek India Awards in SIESGST between September 18, 2017 to September 21, 2017 where top print buyers, brand managers and print technologists assembled to judge 1000+ samples from all over India.
Initiated Faculty Development and Student Development Program by In House Faculties to bridge the gap between Institute & Academia
Setting up of Centre for Innovation , Incubation Entrepreneurship.

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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
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Plan of Action	Achivements/Outcomes
To sign at least 2 MoUs per department with Industry / Educational Institutes.	Achieved in all Core departments
To conduct at least 2 SDPs per department by respective Department faculty (This is in addition to other	Achieved in all departments

regular SDPs done by Guest faculty)	
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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	2018
Date of Submission	05-Feb-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	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 (SIESGST) is affiliated to University of Mumbai (UoM) ensures effective curriculum delivery through a well planned and documented process throughout the semester. The Institute follows the syllabus prescribed by the University. Based on the syllabus and the student strength, workload is calculated every semester by the heads of the departments (HoDs). Depending on the expertise, experience, opted choices and the actual requirement in the department the subjects are allocated to the faculty. The time table committee prepares the time tables (class, laboratory and Individual faculty) for all programs every semester. As per the

academic schedule given by the University, the academic calendar is proposed by the Principal of Institute and is approved by academic council in the review meeting. The academic calendar is distributed to the faculty members prior to the commencement of semester. The Principal and academic council are responsible for implementation of academic activities. Faculty handbook is maintained to keep records related to the academics. The hand book consists of a session plan, individual time table, academic calendar, list of text and reference books, list of experiments and assignments, attendance for theory/tutorials/practical, continuous evaluation of student, term work marks calculation 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 paper, course outcomes, mapping of course outcomes with program outcomes and program specific outcomes. The gap analysis is performed 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 carried out in the departmental advisory board meeting so as to bridge them with relevant guest lectures, seminars, workshops, value added courses, industrial visits, implementing projects etc. 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 the various G-suite applications to make learning 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. Also the counselling system is in place. 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. The syllabus coverage review at each department is taken 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 in the conduct of the course. Feedback is collected from students 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/entrepreneurship	Skill Development
Ethical Hacking Security	Nil	13/06/2018	5	Employability	Yes
Web Application Security Ethical Hacking	Nil	11/06/2018	5	Employability	Yes
BASIC LINUX	Nil	20/12/2017	5	Employability	Yes
Data Mining with R	Nil	11/12/2017	5	Employability	Yes
Ethical Hacking Security	Nil	11/12/2017	5	Employability	Yes

Python Programming	Nil	20/01/2018	5	Employability	Yes
Advanced Java	Nil	18/12/2017	5	Employability	Yes
Python Programming	Nil	20/01/2018	10	Employability	Yes
NPTEL Courses under NPTEL Study Chapter	Nil	01/07/2017	20	Employability and Entrepreneurship	Yes
NPTEL Courses under NPTEL Study Chapter	Nil	01/01/2018	20	Employability and Entrepreneurship	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Computer Engineering	01/07/2017
BE	Computer Engineering	01/01/2018
BE	Electronics & Telecommunication Engineering	01/07/2017
BE	Electronics & Telecommunication Engineering	01/01/2018
BE	Information Technology	01/07/2017
BE	Information Technology	01/01/2018
BE	Printing & Packaging Technology	01/07/2017
BE	Printing & Packaging Technology	01/01/2018
BE	Mechanical Engineering	01/07/2017
BE	Mechanical Engineering	01/01/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Engineering	01/07/2017
BE	Electronics & Telecommunication Engineering	01/07/2017
BE	Information Technology	01/07/2017
BE	Printing & Packaging	01/07/2017

	Technology	
BE	Mechanical Engineering	01/07/2017

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

	Certificate	Diploma Course
Number of Students	464	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Introduction to Technical Session	20/12/2017	13
Antenna design using IE3D	03/02/2018	21
Antenna design using IE3D	20/06/2018	8
Workshop on Bootstrap 3 Framework	05/08/2017	50
Image Processing using Python	04/09/2017	9
PC Assembly Workshop	22/09/2017	40
Python Workshop	10/01/2018	70
CSI weekly Activity on JAVA for SE students	29/01/2018	37
CSI weekly Activity on JAVA for TE students	30/01/2018	50
CSI weekly Activity on Python for SE students	05/02/2018	35
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Engineering	36
BE	Electronics and Telecommunication Engineering	92
BE	Information Technology	25
BE	Printing and Packaging Technology	63
BE	Mechanical Engineering	22
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The various kinds of feedback are collected, analysed and appropriate actions are taken to improvise the system. The Institute has initiated an ERP system to ensure the effectiveness of the tasks carried by various stakeholders. The feedback on teaching learning is collected twice in a semester. The general assessment points of the feedback are based on questions such as adequacy of syllabus, assessment / evaluation, satisfaction about teaching methodology, Teachers knowledge, 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 five (5) meaning excellent and one (1) meaning poor performance. The Institute maintains a policy that if a teacher has average grade less than 2.5 then the teacher is called by the Principal and is informed about the performance for that particular course. The teachers are accordingly instructed by the authorities to improve their performances. The feedback on the teaching learning process is also collected from the parents during the parent teachers meet. Separate registers are maintained department wise to note the remarks from the parents so as to take corrective actions. Alumni Feedback is collected whenever an 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 make 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 the Institute in reframing the course content along with necessary skill development training. It also helps in determining overall employability of the students at various levels. Feedbacks are collected on the guests lectures, expert talks, industrial visits, the student development programs and internships carried at the Institute level. The impact analysis on various feedbacks and appropriate actions helps to improve the system. Suggestion boxes are made available in the campus to collect any kind of issues and grievances from students, staff and faculty. The grievance redressal form is also available on the Institute website. Feedback is also collected from the stakeholders upon the syllabus revision by the University. The feedback parameters are analyzed to conduct bridge courses, expert talks, guest lectures, industrial visits etc so that the gaps between academics and industry can be bridged. Feedback is also collected for the guest lectures, expert talks, and industrial visits for further improvement in the system.

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	Printing & Packaging	60	505	41

	Technology			
BE	Information Technology	60	505	64
BE	Computer Engineering	90	505	95
BE	Electronics & Telecommunication Engg.	120	505	109
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	1753	Nil	106	Nil	Nil

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
106	106	9	26	26	4
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

A mentors knowledge, experience, encouragement and skills offers the learner necessary guidance and advice. Mentors are wise and trusted counselors for their mentees (the people receiving advice and support). The Institute has a proper mentor-mentee scheme in place with the following objectives and responsibilities.

Objectives of Mentoring

- Create a positive counseling relationship and climate for open communication. Over the long-term, a positive relationship will be created through a genuine interest in both the mentee and their new role.
- Help your mentee identify problems and guide them towards solutions. This means try to look deeper if there are symptoms, look for what might be causing them.
- Offer constructive criticism in a supportive way.
- Share your own thought process with the mentee. Each faculty will be the mentor of a group of 15 to 20 students. First year students will have mentors from the department of Humanities and Applied Science and second, third, fourth year students will have mentors from the parent department. Departmental faculties will continue to be mentors for the same group of students till their graduation.

Responsibilities: The mentor will perform the following functions. A mentor can always do more for the benefit of the students.

- Meet the group of students at least twice a month.
- Continuously monitor, counsel, guide and motivate the students in all academic matters.
- Advise students regarding choice of electives, project, internships etc.
- Contact parents/guardians if situation demands e.g. academic irregularities, negative behavioural changes and interpersonal relations, negative activities etc.
- Advise students in their career development/professional guidance.
- Keep contact with the students even after their graduation.
- Intimate HOD and suggest if any administrative action is called for.
- Maintain a detail progressive record of the student (Mentee Data Sheets).
- Maintain a brief but clear record of all discussions with students. (MOM of the meetings) The HOD meets all mentor of his/her department at least once a month to
- Review proper implementation of the system.
- Advice mentors wherever necessary.
- Initiate administrative action on a student when necessary.
- Keep the head of the institute informed. Effective mentoring begins with the faculty and depends on the healthy relationship between faculty and students. The

Mentors perform the following functions: Maintain personal details of the students including their address, contact numbers, overall academic performance and progress. Type of Mentoring done are: Academic guidance - regarding the difficulties faced in the courses during a semester Professional Guidance - regarding professional goals, selection of career, higher education. Career advancement - regarding self-employment opportunities, entrepreneurship development, morale, honesty and integrity required for career growth. Course work specific - regarding performance in current semester and overall performance in the previous semester. In case the mentor senses some personal/psychological problem not resolving through their counselling, they are redirected to the professional counsellor of the institute, ensuring thereby that the mentee overcomes those problems and consequently regularizes his academic proficiency.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1755	105	1:17

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
106	106	Nil	25	16

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Aparna Bannore	Associate Professor	NPTEL -Elite(Cryptography and System Security)
2017	Dr. Rizwana Shaikh	Associate Professor	NPTEL-Elite(Cloud Computing)
2017	Dr. Rizwana Shaikh	Associate Professor	Best Hod Award by Technext CSI conference
2017	Kintu Patel	Assistant Professor	NPTEL Elite with in Microprocessors Microcontrollers
2017	Vaishali Mangrulkar	Assistant Professor	NPTEL Elite in Introduction to Internet of Things
2017	D. Senthilkumar	Assistant Professor	2nd prize at 11th state level energy conservation award 2016
2017	D. Senthilkumar	Assistant Professor	3rd prize at 12th BEQET President Award 2017
2017	Pratibha Joshi	Assistant Professor	NPTEL Elite in Design for Internet of Things, NPTEL Elite in Introduction to Internet of Things

2017	Nita Patil	Assistant Professor	NPTEL Elite in Design for Internet of Things, NPTEL Elite in Introduction to Internet of Things
2017	Aparna Bannore	Associate Professor	NPTEL -Elite (Information Security IV)
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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	321124610	IV / SE (CBGS)	22/12/2017	19/01/2018
BE	321124610	III / SE (CHOICE)	19/12/2017	19/01/2018
BE	321137210	III / SE (CBGS)	19/12/2017	23/01/2018
BE	321137210	III / SE (CHOICE)	19/12/2017	23/01/2018
BE	321124510	III / SE (CBGS)	26/12/2017	09/01/2018
BE	321124510	III / SE (Choice)	19/12/2017	19/01/2018
BE	321161210	III / SE (CBGS)	13/12/2017	30/01/2018
BE	321161210	IV / SE (CBGS)	22/12/2017	30/01/2018
BE	321161210	V / TE (CBGS)	14/12/2017	30/01/2018
BE	321184110	III / SE (CBGS)	19/12/2017	30/01/2018
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institute meticulously plans Continuous Internal Evaluation process in every academic semester. The syllabus scheme of University of Mumbai reflects the continuous assessment in different heads of passing like term work, internal assessment, project work, practical and oral etc. The institute dynamically reforms certain aspects of the Continuous Internal Evaluation based on the heads of passing. Depending on the course, tutorials/practicals, assignments or both are conducted at regular intervals and evaluated. Following are some of the reforms in CIE: 1. Tutorials and Practicals are evaluated based on a total of five marks each for the performance of students and the degree of meticulousness in maintaining of their record. This feature has been included in the faculty handbook and while assigning/evaluating students performance a

common practice is followed throughout the institute and marked in handbook. Weekly practical/tutorial is performed by students and the performance is recorded based on their participation, output, discipline, lab ethics, punctuality etc. 2. Another reform is in introducing the Test Booklets which students use for answering their Internal tests and act as a record for every student's internal test performance. Internal tests are conducted twice a semester with the total of 15 or 20 marks depending on the course. The evaluated answer booklets are shown to the students for helping them analyse their errors and in improvement. 3. Conduction of midterm submission is another reform brought about in the institute to keep a track over students' punctuality, get the status of tutorials/practicals performed by the students and also help them finish their tutorials/practicals in time before the final submission. 4. Innovative assignments and assignment methods are followed in the Institute such as class assessment, weekly assignment, home assignments, group assignments, online quiz, etc. to aid in the enhancement of learning ability of students and ease in evaluating them. 5. Based on weaker performance of students in certain courses, preliminary examinations are also conducted and students are evaluated to help them prepare for their final examination. Thus a robust system is developed ensuring regular monitoring and CIE at SIESGST.

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

The Institute academic calendar is prepared by following the University of Mumbai (UoM) guidelines and includes the planning for the conduct of examinations. The Academic Calendar is approved by the members of the Academic Council and circulated by the Principal to all the departments. As per the Credit Based Semester and Grading System (CBSGS) of UoM the two internal assessment (IA) tests are conducted in the semester each with a weightage of 20 and remaining weightage of 80 is covered by the end semester examination. In considering the dates for these tests, the following points are considered: 1. Whether to have one paper or two papers in a day. 2. Sequencing of the papers is based on subject difficulty level. 3. Public holiday in between papers. 4. Gap to be given between papers (especially before papers considered difficult). 5. Any of the college events before or after the exams. The IA-1 is based on 40 percent of the syllabus and IA-2 on the next 40 percent of the syllabus. The IA-1 is conducted within 45 days of college reopening and the IA-2 is conducted after the last instructional day. The solution of the tests 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. The academic calendar includes the dates for semester start and end, test result declaration, university exam tentative dates and co curricular and extra curricular events dates.

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://siesgst.edu.in/topbar/All_dept_cos-compressed.pdf

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

321137210	BE	Electronics and Telecommunication	138	133	96
321124510	BE	Computer Engineering	110	108	98
321124610	BE	Information Technology	69	65	94
321184110	BE	Printing and Packaging Technology	62	62	100
321161210	BE	Mechanical Engineering.	71	65	92
321108210	BE	Bio Technology	11	11	100
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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)

http://www.siesgst.edu.in/topbar/Student_satisfaction_survey_graphical_report.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	365	University of Mumbai	0.6	0
Minor Projects	365	University of Mumbai	0.15	0.15
Minor Projects	365	University of Mumbai	0.35	0.35
Minor Projects	365	University of Mumbai	0.2	0.2
Minor Projects	365	University of Mumbai	0.4	0.4
Minor Projects	365	University of Mumbai	0.25	0.25
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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
EDC orientation program	EDC SIESGST	16/08/2017

Panel Discussion "Job or Higher Studies or Entrepreneurship"	EDC SIESGST	15/09/2017
NATIONAL ENTREPRENEURSHIP CHALLENGE	EDC SIESGST	27/01/2018
Cognition Events: Dream Job, IPL Auction, KBC COGNITION 2K17, Mergers and acquisitions, MAKE YOUR FAIR	EDC SIESGST	15/09/2017
TML Events: Bluffmaster, Game of Empires, Mumbai Monopoly	EDC SIESGST	09/03/2018

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
Deep Blue Project Competition	Saurabh Mulik Rahul Choudhary Kaustubh Modhave Bhakti Jadhav Aarati Borse Bharat Kathuria Riona Almeida Ketan Ghotane	Mastek LTD.	17/02/2018	Technical (Super Team Award)
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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 !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Humanities Applied Sciences	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Engineering	5	1
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Engineering	8
Electronics and Telecommunication	2
Information Technology	1
Mechanical Engineering	6
Humanities and Applied Science	4
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Human Skin as Touchscreen	vandana sawant	Journal of Emerging Technologies and Innovative Research (JETIR) 2018 JETIR May 2018, Volume 5, Issue 5	2018	0	SIES Graduate School of Technology	Nil
Detection of NQR signals using wavelet transform and adaptive filters',	Preeti Hemnani	International Journal of Instrumentation Technology,	2017	0	SIES Graduate School of Technology	2
The Building of NQR/NMR Spectrometer	Preeti Hemnani	International Journal of Electronics and Computer Engineering	2018	0	SIES Graduate School of Technology	2
Machine Learning Based Autonomous Road Maintenance System Using Cold Lay Asphalt	Shubhangi Kharche	Helix Journal	2018	0	SIES Graduate School of Technology	Nil

PREDICTIVE ANALYSIS IN HEALTHCARE	Anindita Khade	IJCEA	2018	0	SIES Graduate School of Technology	Nil
A cognitive approach for Real Time monitoring of CO CO2 in vehicles	Prachi Sahane, Preeti Godabole	AETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCE	2018	0	SIES Graduate School of Technology	Nil
Authentication and Secure Communication in CSS Cognitive Radio Networks	Rajesh Kadu	IPASJ International Journal of Computer Science (IIJCS)	2017	0	SIES Graduate School of Technology	Nil
Stability Model for RPL with Minimum Rank Hysteresis Objective Function in 6LoWPAN	Shubhangi Kharche	International Journal of Pure and Applied Mathematics	2018	0	SIES Graduate School of Technology	5
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
DPRA-FC: Dynamic Probabilistic Rate Allocation and Flow Control Algorithm During Congestion in Wireless Sensor Network.	Dr.K.Lakshmisudha	Journal of Computational and Theoretical Science	2017	6	Nil	SIES Graduate School of Technology
Stability	Shubhangi	International	2018	4	5	SIES Graduate

Model for RPL with Minimum Rank Hysteresis Objective Function in 6LoWPAN	Kharche	Journal of Pure and Applied Mathematics				School of Technology
Machine Learning Based Autonomous Road Maintenance System Using Cold Lay Asphalt	Shubhangi Kharche	Helix Journal	2017	4	Nil	SIES Graduate School of Technology
A Reliable Network system for railway track crack detection	Preeti Hemnani	Lecture Notes on Data Engineering and Communications Technologies	2017	3	Nil	SIES Graduate School of Technology

[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	1	35	Nil	24
Presented papers	6	Nil	Nil	Nil

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
Details Attached	Details Attached	84	1426

[View File](#)

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
Details Attached	Details Attached	Details Attached	815

[View File](#)

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government

Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Details Attached	Details Attached	Details Attached	84	1426
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Details Attached	Details Attached	Details Attached	Nil
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	NPCIL	26/06/2018	23/07/2018	4
Internship	Internship	Reliance Industries Limited, B-4, MIDC Patalganga, Khalapur, Raigad, 410220	16/06/2017	10/07/2017	1
Internship	Internship	Experts HUB	22/12/2017	29/12/2017	18
Internship	Internship	Eduvance	19/06/2017	10/07/2017	70
Internship	Internship	BSNL	04/07/2017	30/08/2017	1
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Microsoft ATS	20/02/2017	Cyber Security Certification	47
9th Legend Inc	01/01/2017	BE Project Patch Management Software	4
Emtron Technologies	17/12/2018	1.Two days FDP on Hands on training on IoT Technology on 08/05/2018	24

		09/05/2018 2.One day FDP on Embedded systems,wireless sensor network and Internet of Things	
Perpetual Gravity Labs Pvt. Ltd.	10/08/2017	Conducted a seminar on project selection for final year Mechanical Engineering students	50
Indian Biodiesel Corporation	04/09/2017	Students carried our final year Project offered by the Industry	16
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
5087733	17969651.73

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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
e-Granthalaya	Fully	3.0	2007

4.2.2 – Library Services

Library	Existing	Newly Added	Total
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Service Type						
Text Books	20610	5920677	1719	785546	22329	6706223
Reference Books	1109	1870988	7	12738	1116	1883726
e-Books	4100000	742949	Null	100300	4100000	843249
Journals	48	916562	Null	110058	48	1026620
e-Journals	4351	8304982	Null	1458501	4351	9763483
Digital Database	1	411264	Null	70800	1	482064
Library Automation	1	2500	Null	Null	1	2500
Weeding (hard & soft)	650	171707	Null	Null	650	171707

[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	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	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
Video from rsnehete on Heat treatment of steel	https://www.youtube.com/watch?v=ZrNa9ZOzw5g&t=45s
Experimental Set up for Hall Effect - Dr. Manasi Karkare	https://youtu.be/wT-UZYdP2sg

Precautions for solving numericals on Semiconductors- Dr. Manasi Karkare	https://youtu.be/CpoSDth8vrc
What is Research Methodology- Dr. Manasi Karkare	https://youtu.be/uJ7xHZqs05g
8051 Addition of two 8 bit numbers using assembly language programming. - Vishal Gaikwad	https://www.youtube.com/watch?v=bRnY7vnHfuM
Electric Pneumatic Circuit 1- Prashant Ambadekar	https://www.youtube.com/watch?v=3eQHa4t9mBA&t=6s
Electric Pneumatic Circuit 2- Prashant Ambadekar	https://www.youtube.com/watch?v=B1mBH6m1P_8
Electric Pneumatic Circuit 3- Prashant Ambadekar	https://www.youtube.com/watch?v=OqtTKuy_eH5Q
Electric Pneumatic Circuit 4- Prashant Ambadekar	https://www.youtube.com/watch?v=u-54HF2hImM&t=148s
Introduction to CNC machine	https://youtu.be/Vf8LCWTXotM

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
7900600	6006284.97	2990000	12880419.72

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

The Institute has maintenance system for all essential available facilities. Maintenance is carried out throughout the year and as and when required. Institute has appointed external agencies for maintenance of infrastructure, equipment and other facilities such as lifts, fire extinguishers, fire systems, generator, UPS, air conditioners, water purifiers, water coolers, photocopy machines, laboratory equipment, computer systems. Some of them are maintained through an annual maintenance contract. To maintain Internet connectivity and CCTV security system, the Institute has a team working under the network and system administrator. For electrical repairs, the institute has a regular electrician on campus. For other repairs and maintenance, there is a set procedure that is followed by the institute. The request for repairs and maintenance is entered in a register at the Institute level which is then discussed by the administrative staff with the HOD and the Principal. Minor repairs of the equipment, computers etc. are carried out in-house by the technical staff. For maintenance by an external agency, quotations are called from multiple vendors and finalized by the purchase department. The purchase requisitions are raised by the departments followed by purchase orders, invoice preparations etc. For major civil works the estate committee, consisting of the Head of the Institute, estate manager and management representative decides the course of action. Maintenance of different facilities: Cleaning and sweeping: An authorized agency has the annual contract of cleaning and sweeping of the passages, classrooms, washrooms, lifts, surroundings etc. The office staff

monitors their work and related maintenance issues. Network system: The Institute has a team of qualified people under the CIO and network administrator for maintaining computer systems, software, licenses etc. and networking facilities like Wi-Fi LAN. Electrical maintenance: The activities related to maintenance of electrical fittings, public address system, diesel generator, pump room etc. are supervised and done by Institutes electrician.

Air conditioner and water cooler: The Institute has a dedicated resident engineer available on the campus. Fire safety Annual inspection and updating in fire safety are done from the external agency by the estate manager. Water purifier: The equipment maintenance is done by the authorized agency with which the institute has an annual maintenance contract. Overhead and underground water tank: The estate manager takes care of the cleaning of the overhead and underground tanks regularly on-call basis. Garden: All gardening activities on the campus like cutting, cleaning, watering, soiling etc. are handled by the contract employee. Lift: Institute has an annual maintenance contract with the authorized agency. Security An authorized security agency has the annual contract for ensuring safety on the campus. Sports Equipment Every year new sports equipment are purchased as per the requirements. Thus a smooth, systematic and orderly learning environment is ensured with the existing maintenance procedure.

<http://www.siesgst.edu.in/naac/4.4.2-AQAR-2017-18.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Endowment SIES Management	56	76860
Financial Support from Other Sources			
a) National	Nil	Nil	0
b) International	Nil	Nil	0
View File			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Mentoring	11/11/2018	1755	SIESGST All Department Faculties
Personal Counseling	07/11/2018	6	Ms. Sadaf Parker, Counselling, Psychologist
Remedial Coaching	04/01/2018	10	Faculty of IT, SIESGST
Yoga, Meditation (Yoga day workshop) 80	21/06/2017	80	National Service Scheme, Prof. Mahesh Biradar 90298 65648
Bridge Course (Wartsila lecture	30/01/2018	66	Wartsila India PVT, LTD

series)			
Soft skill development	15/09/2017	124	IEEE SIESGST, Faculty and Mr. Jayamohan Nair, GM, ONGC(9969228142)
Language Lab (Language Lab Activities)	08/01/2018	367	SIESGST, Humanitics Dept, Geetanjali Mishra (98197 89788)
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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 passed in the comp. exam	Number of students placed
2018	Guidance for Competitive Exams	338	Nil	85	Nil
View File					

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
133	133	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
GEP	132	10	KPIT Cummins	21	1
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	Biotechnology	Biotechnology	HTW Berlin, Germany	MBA & E in Life Sci. Management
2018	2	Mechanical Engineering	Mechanical Engineering	SRH Heidelberg	MS
2018	1	Printing &	Printing &	Michigan	MS

		Packaging Technology	Packaging Technology	State University	
2018	3	Information Technology	Information Technology	Monash University	MS
2018	2	Electronics and Telecommunication Engineering	Electronics and Telecommunication Engineering	Rochester Institute of Technology	MS
2018	3	Computer Engineering	Computer Engineering	SIES College of Management Studies	MBA

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

Items	Number of students selected/ qualifying
GATE	6
CAT	1
GRE	33
TOFEL	25
Any Other	6

[View File](#)

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

Activity	Level	Number of Participants
Details Attached	Details Attached	Nil

[View File](#)

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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	1st Position in ETAMAX Dance Competition at Fr.Agnel Vashi	National	Nil	1	117A1081	Arshita Soni
2017	1st Position in REFLEXION Dance Competition at KC College	National	Nil	1	117A1081	Arshita Soni

2017	Winner-Mono act, University youth festival	National	Nil	1	116A2080	Vibha Rawan
2017	Winner-National Level Debate Competition by IEEE SIESGST	National	Nil	1	116A2077	Shardul Rane
2017	Winner-Drama, University Youth Festival	National	Nil	1	116A2077	Shardul Rane
2017	Pillai's Alegria - The Festival of Joy2018(Basketball) -Winner	National	1	Nil	117A2108	Viswanathan Raman and team
2017	1st at the zonal level Mumbai University Spot Painting Competition (50th Intercollegiate /zonal Youth festival on 14/08/2017)	National	1	Nil	114A6032	Monesh Mhatre
2017	3rd prize in 4x100 m Relay Event in Dec 2017 during ENTHUSIA National Level Sports festival	National	1	Nil	116A6023	Rajat Mahadik
2017	Silver medal in volleyball	National	1	Nil	219A6071	Yadav Venkatesh

	in Father agnel under Mumbai University intercolle giate comp etition					
2017	Won 1st Position in One act Play Hindi Zonal Round in University of Mumbai Competitio n	National	Nil	1	118A2079	Srishti Patil and team
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Response: The institute has a very active Student's Council (SC), formed by a well-established process. The process starts by inviting applications from the students for the various posts of the council. 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 is selected based on academic merit in the preceding examination. HOD Nominees are from final year for each department. At the Institute, the departments have a professional student chapters Viz., IETE, IEEE, CSI, IPI, SAE and ISHRAE. A selection committee comprising of Principal, HoDs and the SC In-charge 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. Students with live KT and students against whom any disciplinary action is pending are not allowed to apply for any of the posts. The 50 member SC thus formed, has representation from all the departments and together they act as a link between the students and the 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. 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 the extracurricular events and prepare an event calendar. All the events are organized as per the standard procedure set by the institute. Alongside organizing the 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 college women development cell, anti ragging committee, and IQAC committee. They are involved in all the activities that define the life of a student at GST. Right from the orientation of the First year engineering 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 market their various events to procure funds. The college annual festival - Tatva Moksh Lakshya is very heavily 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 and this has resulted in many of them coming back to contribute towards the development of the Institute.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Response: ReConnect is SIES GST's Alumni Association registered in the year 2012, which provides a platform for the ex-students to interact with the Institute. Re connect has led to a closely knit community which promotes, supports and inspires current and future alumni of the college in their future endeavours. Reconnect is the annual gathering of SIES GST Alumni, which is held on the first Saturday of January every year. Being institutions most loyal supporters who shape the future of the college in a pivotal manner, ReConnect helps the alumni to engage with the students and staff on a regular basis. Regular workshops, seminars are conducted by alumni. Some of them are workshops on 'Basics of Python, PHP-SQL' for the Second and Third Year, Ethical hacking, Adobe Photoshop, Data science for Engineers, IOT in Robotics and seminar on Facebook developer products like Android, Web, Open Source Hardware and Artificial Intelligence. Alumni have also been helping students with website coding and app development. They have been also been contributing to the extracurricular activities by judging various competitions during annual festivals and by mentoring the members of the dramatics club, music club and the dance group to improve their performance in competitions. They have also been actively contributing to the NSS unit and have accompanied students for the NSS camp. MasterClass, was a series of interactive learning sessions for students by the bigwigs of the Printing Packaging Industry (PPT), initiated by a PPT Alumnus in collaboration with PrintWeek India Magazine. Through this association, 'Seekho aur Samjho' (SaS) workshops were also devised and conducted for shop-floor supervisors, faculty and students, in collaboration with Bombay Master Printer's Association (BMPA) to share the latest industry trends and developments. Yet another contribution is the Exhibition of award winning print samples which is organized in collaboration with PrintWeek India. The alumni have also contributed significantly towards the recruitment and internships of PPT students. The alumni who have shaped themselves into successful entrepreneurs, have been regularly contributing to the Entrepreneurship Development Cell (EDC) by conducting workshops on writing 'Business Plans', how to attain business goals and other miscellaneous topics pertinent to enterprises. They have also been mentoring students of the EDC and have arranged for internships for students in their company on various occasions. In terms of financial contribution, every year the alumni association sponsors Special Awards which are given to the students for their exceptional contribution in the field of sports, technical, academics and for being most enterprising student and one for being an all rounder. The association had also initiated a scholarship to merit-cum-needy students. The college magazine also features writings by the alumni. Some of the alumni are members of Department Advisory Board (DAB) and other advisory committees. An alumni committee has been set under the leadership of a senior faculty member to work closely with the Alumni and to ensure strong and productive relationships with the Institute and to implement alumni programs that support the Institutes strategic plan.

5.4.2 – No. of enrolled Alumni:

2920

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

434000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Reconnect: annual alumni meet organized on 06/01/2018.

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)

SIES Graduate School of Technology promotes and practices decentralization in all academic and administrative activities, it has various academic and administrative committees to monitor, plan and execute smooth functioning of the Institute. Administrative Decentralization: Board of Governance comprises of Management Representatives, Industry Experts, Eminent Educationists, Representatives of statutory bodies, Principal and other Faculty are responsible for planning and policy development, institutional budget, academic and research growth of the institute and other extension activities. College Development Committee comprising of representatives of management, principal, students' representatives, HOD representative, faculty, staff members, industry experts and alumni is formed to deal with development plan of the college regarding academic, administrative and infrastructural growth and to enable college for addition of curricular, co-curricular and extra-curricular activities. The Principal gives directives to the departmental heads to prepare the annual departmental budget. The HoD conducts a meeting with all the faculty members of the department and asks them to submit requirements along with relevant quotations, depending upon the need of the syllabus and current industry trends. For the acquisition of goods and services, including requisition preparation, funds approval, payments to suppliers, and follow-up inquiries, college practices decentralization by providing operational autonomy to the departments. Further, HoD prepares a consolidated report and submits to the Principal for approval. The Principal consolidates requirements of all the departments and forwards it to the management for approval. The sanctioned budget from the management is received by the institute. Academic Decentralization: There are 30 different committees with well-defined functions that give academic and administrative leadership to the institution. A committee comprising of administrative staff and faculty members i.e Academic Council Committee is responsible for holistic development of the college and to recommend on the enhancement of student facilities, students' life and experiences at the Institute. Its responsibilities are: Prepare the Academic Calendar before starting of the semester with the approval of the Principal. Track the Syllabus completion of Theory/Lab for all the departments. To exercise general supervision over the academic work of the institution and to give direction regarding methods of instruction, evaluation, and improvements in academic standards. To make arrangements for the conduct of examinations in conformity with the University directives from time to time. To maintain proper standards of academic records. Namely handbook, course file content as per the university requirements / regularity authority etc. To take active measures for improvement of standards of teaching, research and training. To consider the recommendations of the sub-committees and discuss the issues/ developments at least once in a month. To discuss and review the co/extracurricular activities of the college. Maintaining discipline in the campus. Maintain the Minutes of the Meeting. Organizing Conferences/ Workshops. Anti-Ragging, Grievance Redressal and Discipline Committees take care of healthy, enjoyable and

disciplined culture in the institute. It comprises of the Principal, HODs, Senior Faculty members and student representatives. Various academic committees like library committee, Time table committee, Attendance Monitoring Committee etc take care of day-to-day academic functioning

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	<p>The college ensures smooth and transparent admission process which is in compliance with norms set by Maharashtra state government for Under graduate (UG) engineering admissions.</p> <p>The admissions are based on the entrance examination conducted by the state government (MHCET) as well as at national level (JEE). Being a minority institution, 51 are admitted under minority quota, 29 percent students are admitted through centralized admission process by DTE and remaining 20 are admitted at institute level quota on merit basis. The college supports students in terms of financial assistance, academic assistance for weaker and brighter students and differently-abled students.</p>
Industry Interaction / Collaboration	<p>Workshops are conducted on various technologies by various Industry experts and tools like IoT, Robotics, Linux, Andriod, Python, Matlab, Ethical hacking, Ansys CFD, etc are offered to give hands-on training. These workshops help students to be industry ready and reduce the industry academia gap. Every department conducts interactive sessions for the students by industry experts and also hosts national level events like project competitions, technical paper presentations, technical quiz, exhibitions and technical debates to identify good innovators and nurture their ability to generate creative practical solutions to new problems. Various MoUs are active in this respect.</p>
Human Resource Management	<p>Human resource planning including recruitment, performance appraisal and professional development programmes are core activities of SIESGST. Regular feedback from all the stakeholders is taken on the same which act as an invaluable input to planning.</p>

<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The institute has adequate physical facilities such as classrooms, laboratories, seminar halls as specified by the regulatory authority and are updated regularly from time to time with good ambience and are comfortable for seating for longer duration. All of them are Wi-Fi enabled and have provision for use of LCD projector. The library has books, manuals, handbooks, e-journals, e-books, encyclopedia and databases, the transactions of which are done through ILMS. NPTEL lectures series is widely used by students as well as faculty members. Other library facilities include extended working hours, book bank facility, new arrival information and photocopy.</p>
<p>Research and Development</p>	<p>The college has an excellent infrastructure in terms of number of laboratories, laboratory equipment and library resources for the research. Faculty members are always motivated for the research project and various incentives in terms of registration fees payment, etc. are also given. This has resulted in quality publications. good number of publications in conferences as well as in journals.</p>
<p>Examination and Evaluation</p>	<p>The University of Mumbai has implemented the 80:20 pattern from AY 2012-13 in the credit-based semester grading system. The internal tests, also considered as 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. In some of the courses, University has also given liberty to the course instructors to take orals, innovative assignments projects, case studies instead of one of the internal test.</p>
<p>Curriculum Development</p>	<p>SIESGST is affiliated to the University of Mumbai (UoM) and follows the curriculum stated by the University. Faculty members participate in the curriculum design workshops conducted by the university. The college takes the feedback from various industries, alumni and students on the curriculum of different programs and the same is communicated to University of Mumbai for further action.</p>
<p>Teaching and Learning</p>	<p>The salient feature of the Teaching-</p>

Learning process is that it synthesizes conventional mechanisms of learning such as lectures and laboratory sessions with interactive teaching-learning aids like seminars, in-house mini projects, adjunct courses, guest lectures, industrial visits and assignments. Blended learning models using technology is encouraged to have outcome based learning and enable students collaborate and network effectively. The extra coaching for academically weak students is given lot of importance and is included in this process.

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

E-governance area	Details
Planning and Development	For academics, IonCudos Outcome Based Education Software is used
Administration	Supplier Relationship Management (SRM) Software for the purchase procedure.
Finance and Accounts	Tally ERP system is used for Finance and Accounts.
Student Admission and Support	Digital Edu is used for admissions. Moodle and Google Apps for Education for course management.
Examination	Khushi Software is used for Results and Marksheets generation as approved by University of Mumbai.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Rizwana S	3rd International Conf. on ICCUBEA, 2017	NA	5000
2017	Rajesh Kadu	3rd International Conf. on ICCUBEW, 2017	NA	5000
2017	Aparna Bannore	International Conf. on Intelligent Information Technologies, Anna Uni, 2017	NA	5000

2017	Ganesh Kadam	NUiCON 2017, Nirma University, Nov 23-25, 2017	NA	3540
2017	Onkar Potadar	NUiCON 2017, Nirma University, Nov 23-25, 2017	NA	3540
2017	Masooda M	3rd Internation Conf. on ICCUBEA, 2017	NA	5000
2017	Bushra S	International Conf. onWireless Communication- 2017	NA	5000
2017	Rizwana S	International Conference on EECCMC, Priyadarshini Engg. College, 2018	NA	5000
2017	Masooda M	International Conference on EECCMC, Priyadarshini Engg. College, 2018	NA	5000
2017	Roopal Mamtora	UniversalColl ege of engg International conf on smart city and Emerging Technolgies, 2018	NA	5000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Program on International Yoga Day	NA	21/06/2017	21/06/2017	5	Nil
2017	Workshop on	NA	29/06/2017	29/06/2017	10	Nil

	Enhancing Communication Skill for Effective Teaching					
2017	Workshop on First Aid Safety Measure	NA	19/08/2017	19/08/2017	10	Nil
2017	STTP on FPGA Design using VHDL	NA	07/07/2017	12/07/2017	25	Nil
2017	One week STTP on Cyber Security and Digital Forensic	NA	03/07/2017	08/07/2017	22	Nil
2017	Two Day Weekend Training Programme-Saptahaant Shikshak Prashikshan (SSP) on Introduction to Machine Learning	NA	16/12/2017	17/12/2017	10	Nil
2017	AICTE-ISTE approved STTP on "Data Analytics with R Programming"	NA	03/07/2017	07/07/2017	26	Nil
2017	FDP on Challenges in Cloud Computing Application	NA	29/11/2017	29/11/2017	24	Nil
2017	NA	Program on Health and Happy Living - Exercises	30/11/2017	30/11/2017	Nil	9
2018	Workshop on Sexual Harassment Act at	NA	12/01/2018	12/01/2018	8	Nil

Workplace

[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
Workshop on Leadership Strategies for Mission 2025	4	27/03/2018	27/03/2018	1
Seminar on Writing and Publishing research articles by Dr. B.K.Lande at SIES GST	6	03/02/2018	03/02/2018	1
Program on Value Based Teaching Learning Process	11	08/02/2018	08/02/2018	1
One week ISTE and AICTE approved workshop on Mechatronics and Industrial Automation	13	01/01/2018	05/01/2018	5
ISTE - AICTE approved STTP on Cyber Security and Digital Forensics	14	03/07/2017	07/07/2017	5
Workshop on Enhancing Communication Skill for Effective Teaching	10	29/06/2017	29/06/2017	1
Data analytics with R Programming One week AICTE-ISTE approved Short Term Training Program	4	03/07/2017	07/07/2017	5
STTP on Machine	10	01/01/2018	06/01/2018	5

Learning, Data Analytics and Python at SIESGST

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
91	91	45	10

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 Society has appointed statutory auditor M/S. V. Sankar Aiyar Co, Chartered Accountant to conduct the audit of the financial statements including the Balance Sheet and Income Expenditure Account since the last 5 years. The statutory auditors have reported that proper books of accounts have been kept by the Society and expressed opinion that the financial statements give a true and fair view in conformity with the accounting principles on the Balance Sheet and Income Expenditure Account. The qualified opinion is not related to the systems and procedures or the internal control systems. They have not pointed out any weakness in the internal control system.

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
Endowment SIES Management	76860	Awards. Recognition, Felicitation

[View File](#)

6.4.3 – Total corpus fund generated

1353953

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 faculty from other reputed institutes	Yes	Interdepartmental Heads/Senior Faculty Auditors

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

One of the significant stakeholders of the Institute are the Parents. They have been a strong foundation over the years and supported for 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.

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

1 Workshop on Effective Customer Service 30/05/2017 2 Program on Health and Happy Living - Execrises 30/11/2017 3 Workshop on Sexual Harrassement Act at Workplace 12/01/2018 4 Personality Development- Personal Grooming 06/03/2018 5 Personality Development- English Speaking 22/03/2018 6 Personality Development- English Speaking 28/03/2018

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

NA

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
2017	Organized AICTE-ISTE approved STTP on "Data Analytics with R Programming" by Dept of IT	03/07/2017	03/07/2017	07/07/2017	26
2017	Campus Recruitment Training fo BE students	03/07/2017	03/07/2017	10/09/2017	55
2017	One week AICTE-ISTE approved STTP on Cyber Security Digital Forensics by Dept of CE	03/07/2017	03/07/2017	08/07/2017	22
2017	One week AICTE-ISTE STTP on FPGA	07/07/2017	07/07/2017	12/07/2017	25

	Design using VHDL by Dept of EXTC				
2017	IQAC Meeting	15/07/2017	15/07/2017	Nil	19
2017	Life Skills Training for BE 2017-18 students	16/08/2017	16/08/2017	17/08/2017	282
2017	Funding Agencies and Research Proposals by Vikas Phalle, VJTI, Mumbai	19/08/2017	19/08/2017	Nil	60
2017	IQAC Meeting	02/12/2017	02/12/2017	Nil	17
2018	AICTE-ISTE approved STTP on "Machine Learning, Data Analytics and Python" by Dept of IT	01/01/2018	01/01/2018	06/01/2018	30
2018	Orientation programme on "Computer Organization and Architecture Microprocess or Programming Lab" by Dept of IT	10/01/2018	10/01/2018	Nil	29
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Seminar on Legal Formalities and	04/10/2017	04/10/2017	Nil	62

Laws related to girls				
Seminar on Menstrual Disorder and Vending Machine and its advantages	26/09/2017	26/09/2017	222	Nil
NSS Skit on gender equality	18/09/2017	18/09/2017	8	7

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

Percentage of power requirement of the University met by the renewable energy sources
0.895

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	Nil	1	16/09/2017	1	p-pack	Spreading awareness about printing and packaging technology to 11th and 12th Std students	50
2017	Nil	1	05/08/2017	1	cleanliness drive	Swacha Bharat Abhiyan	105
2017	Nil	1	29/09/2017	1	blood donation	saving lives by blood donation	140
2018	Nil	1	24/02/2018	1	dream run	Fund raising event for	300

						AIDS infected children	
2018	1	Nil	16/03/2018	1	IV to Warna dairy , Nerul MIDC	Study of milk pasteurisation process	60
View File							

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

Title	Date of publication	Follow up(max 100 words)
A Handbook on Code of Conduct for Stake Holders	01/06/2018	NA

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Details attached	Nil	Nil	Nil
View File			

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

1. Tree plantation 2. Generation of solar energy using solar panels set up in the campus 3. Compost waste generation 4. Use of eco-friendly dustbins 5. E-waste management seminar
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7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

I. Implementation of Google Apps for Education: 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 the Institutes 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. Context: The Institute implemented the Google Apps for Education through Global Talent Track Pvt. Ltd (GTT) who has 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 the DNS server to route the email for the 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 channels among faculty, staff, and students. 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 to free up teachers' time so they can focus on quality teaching. It provides facility to pre-record 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. 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 the Institute was shifted from the traditional notice board method to the Gmail Service provided by Google Apps. Department wise and class wise 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. GoogleDocs, Sheets and Slides used by faculty for easy collaboration among faculty members and student members respectively. Google Forms are 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. II Institute Social Responsibility (ISR) and Extension Activities at SIES Graduate School of Technology 1) Objectives: The SIES Graduate School of Technology (SIESGST) 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 specially abled 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. 2). Context: SIESGST has committed itself and taken on priority the task of an inclusive social upliftment and adopted '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 2018-19 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. 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 the 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 industries for internship after which they are 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 2018-19 the event was with the Sunshine school which caters to the needs of the differently abled children. The students raise 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 as cleanliness drives, street plays, blood donation camps, literacy camps, and celebration of national festivals and anniversaries of renowned personalities. 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 fundraising 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

<http://www.siesgst.edu.in/campuslife/bestpractices.php>

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

Response: 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 socio-economic development of the country, the SIES has taken utmost care to give back to the community. "Those who have the ability to act, have the responsibility to act." Abiding by this principle, 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 was taken up. Each of these courses was 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 were 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. 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 4 batches of training under Beacon. 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. 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-Mini Marathon for a social cause, stage plays and many more fund raising cultural events. At GST, 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.

Provide the weblink of the institution

<https://beacon.siesgst.ac.in/#Main-Body>

8.Future Plans of Actions for Next Academic Year

The Institute plans the following for implementation in next academic year. 1. To strengthen the Industry Institute Interaction 2. To enhance Research Development activities amongst students and faculty members. 3. To promote entrepreneurship. 4. Strengthening alumni connect for grooming graduating students and supporting in placements and internships