

Vision and Mission

VISION

“To be a centre of excellence in Education and Technology committed towards Socio-Economic advancement of the country”

MISSION

- To impart advanced knowledge in Engineering and Technology.
- To transform young minds towards professional competence by inculcating values and developing skills.
- To promote research and ensure continuous value addition among students and employees
- To strengthen association with industry, research organizations and alumni to enhance knowledge on current technologies.
- To promote next generation technocracy and nurture entrepreneurial culture for social-economic growth.

Quality Policy

The SIES Graduate School of Technology is committed to high standards of Engineering Education. Our aim is to advance in the various facets of learning opportunities by providing multiple study options through perfect blend of:

- ┆ Academic Excellence,
- ┆ Teaching-Learning Processes and
- ┆ Teacher-Student Mentoring based on our Quality Management System which will enable learners to thrive in the rapidly evolving environment.

Values

“Work is Worship” is a guiding principle at SIES GST. SIES Graduate School of Technology believes in building a strong personality and an unshakable character of a student as an important step towards nation-building.

Nurturing young minds is a vital responsibility and we at SIES GST have set bedrock values



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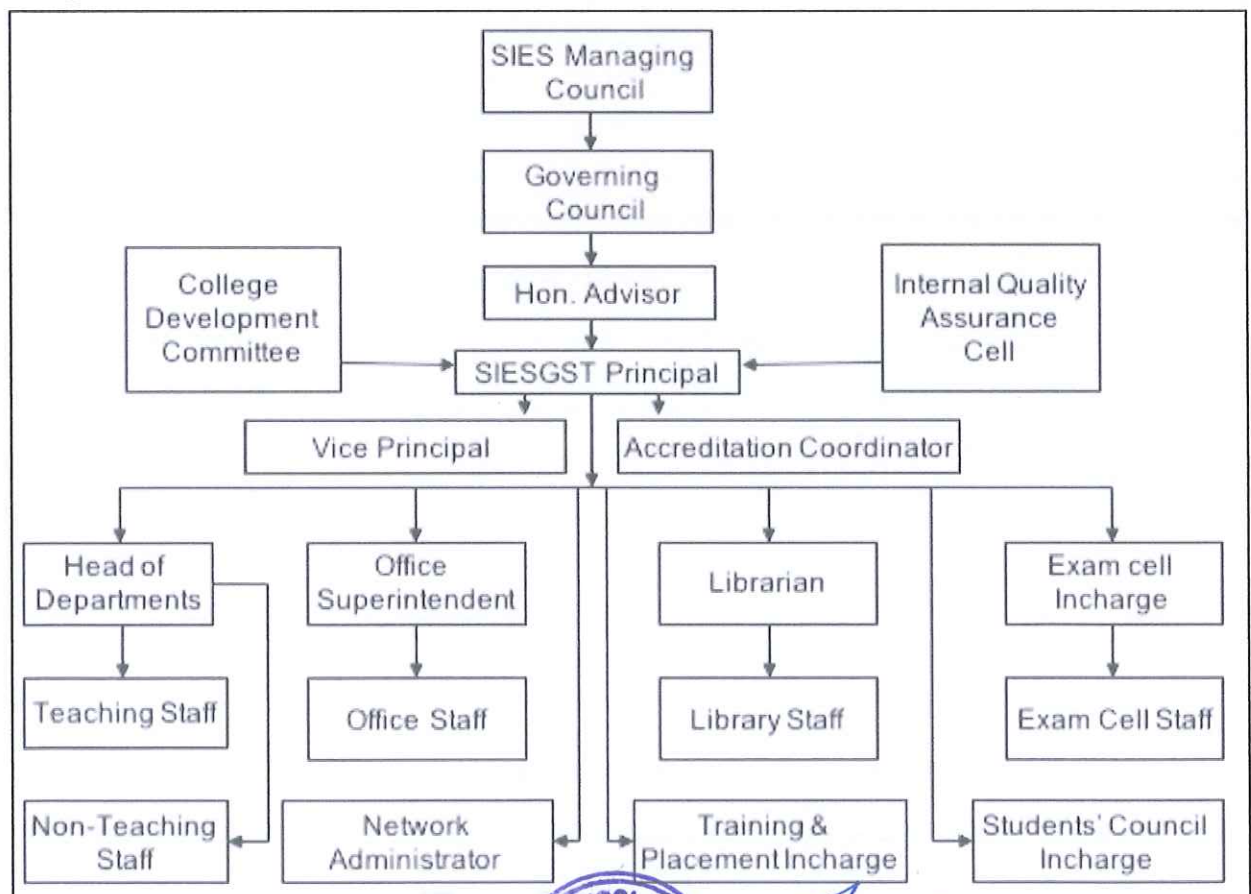
and goals which guide the attitudes and behavior of the members of the GST family.

It is said that there are no short-cuts on the road to success. Educating students to differentiate between right and wrong and motivating them to choose the right path and strive for excellence is imperative. The following values are interspersed in all aspects of the teaching-learning process:

Core Values



Organizational structure



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Governing Council members 2018-19

Members of the Board and their brief background

Name of the Member	Designation	Background
Mr J Santhanam	Chairman, BOG	Vice-President-Commercial
Mr P Sethuraman	Member, BOG	Retired Corporate Professional
Mr M V Ramnarayan	Member, BOG	Director - Corporate Professional
Prof K Venkatramani	Member, BOG	Educationist
Mr C N Sivaramakrishnan	Member, BOG	Educationist
Mr U Shekar	Member, BOG	Educationist
Mr Ashwin Shroff	Member, BOG	Industrialist
Mr J Rajaraman	Member, BOG	Industrialist
Director, DTE	Member	
Nonunee of University of Mumbai	Member	
Dr. Atul N Kemkar	Member Secretary	I/c. Principal of the Institute
Dr Pradip S Patil	Member	Associate Prof. Mech. Engg. Dept.
Ms Sumitra P Iyer	Member	Assistant Prof. H & AS. Dept.

IQAC Members

NO.	NAME	DESIGNATION
1.	Dr. Atul N. Kemkar	IQAC Chairperson, I/C Principal & HOD- Electronics & Telecommunication Engineering
2.	Dr. Manasi M Karkare	Dean – Humanities & Applied Sciences
3.	Prof. Aparna Bannore	HOD – Computer Engineering
4.	Dr. Lakshmi Sudha	HOD – Information Technology
5.	Prof. Prasad Iyer	NAAC Coordinator & HOD- Printing & Packaging Technology
6.	Dr. Rupendra S. Nehete	HOD – Mechanical Engineering
7.	Prof. K Venkatramani	Management Representative
8.	Dr. P. V Parameswaran	Hon. Advisor, SIESGST
9.	Prof. Seema Khan	I/c – T&P Cell
10.	Prof. Shubhangi Kadu	I/c – Examination Cell
11.	Prof. Sumitra Padmanabhan	NAAC Coordinator & I/c – Students' Council
12.	Dr. Rajesh Kadu	Industry Institute Interaction Coordinator
13.	Mrs. V. Vijayalakshmi	Office Superintendent
14.	Mr. Ramesh Bidi	Librarian
15.	Mr. Saikrishna	I/c – Network Administration
16.	Mr. Saurabh Prabhu – Research Analyst, Crisil Ltd.	Alumni Representative
17.	Mr. Tejas Kulkarni	President, Student Council
18.	Dr. Sanjay Saraswat - Vice President-India R&D, Airspan Networks	Industry Representative
19.	Mr. S. Srinivasan - Head-Customer Relations, Siemens Healthcare Pvt. Ltd.	Industry Representative
20.	Mr. C. Subramaniam HR President, Siyaram's Silk Pvt. Ltd.	Parent Representative
21.	Prof. Leena Ladge	Assistant Professor, Information Technology & IQAC Coordinator




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Quality Initiatives IQAC

- NBA accreditation and NAAC reassessment
- NIRF and ARIIA participation
- Academic Administration Audit Planning
- Training Program for Faculty members
- E-Resource Development
- Outcome Based Policy-
- Webinar Series
- Structured Committee Activities

Academic and Administrative Audits

The National Assessment and Accreditation Council (NAAC) has evolved tools and guidelines for improving quality for different levels of Higher Education Institutions (HEIs) and for its sustenance.

The

regular internal and external audits by Internal Quality Assurance Cell (IQAC) ensures sustenance of proper quality standards in all the academic and administrative activities. The monitoring and evaluation of the institutional processes require a carefully structured system of internal and external review and is done in compliance with NAAC and NBA.

About Academic and Administrative Audit (AAA):

Both Academic and Administrative Audit (AAA), are very essential to excel in Higher Education. Regular audits are conducted, at least one per semester.

Academic Audit: - Academic audit helps review the quality of academic process in the institution and helps enhance the quality of academic activities in HEIs.

Administrative Audit: - This includes assessment of policies, strategies & functions of the various administrative departments, control of the overall administrative system etc.

Management Review presentations

Management review meetings are conducted once every semester to review the achievements of Department and Institute objectives.

Need for Strategic Plan

During the past decade, engineering and management education has undergone immense changes. While the demand for excellent quality education has increased steadily, the number of technical institutes has also dramatically increased. This has resulted in an intense competition for high caliber



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Graduate School of
Technology

STRATEGIC PLAN 2018-2025

students and faculty. It is essential in this dynamic environment to determine the strategic objectives and quantifiable targets, measuring the performances of the predetermined indicators, and monitor & evaluate the strategic plan. It is a participative approach that enables the institute to prioritize the resources in accordance with the objectives mentioned in the strategic plan.

In alignment with the SIES's Mission 2025, the SIES GST shall contribute to this endeavor of being amongst the most admired academic institutions in India with this seven year strategic plan.



SIES SHALL BE AMONGST THE MOST ADMIRABLE ACADEMIC INSTITUTIONS IN INDIA

<h4>WHAT DOES ADMIRATION MEAN?</h4> <p>A feeling of wonder, pleasure or approval.</p> <p>The act of looking on or contemplating with pleasure</p> <p>Approval, esteem, regard, affection, veneration, honor, idolization, reverence - synonyms for admiration</p>	<h4>OUR ADMIRATION SHALL FLOW FROM</h4> <p>The quality of our efforts in the field of education</p> <p>The quality – the reach, the expanse and sweep of our academic services</p> <p>Our respect for 'Law' at all times</p> <p>The creation of an SIES Family where a full family tree would have experienced SIES as students</p>	<h4>WHAT DOES THAT CONVEY FOR SIES?</h4> <p>We shall confine ourselves to our core competence i.e. universalising education</p> <p>We shall redefine the boundaries of our activities beyond Mumbai, Navi Mumbai to India</p> <p>We need not be 'BIG' but shall endeavour to be the 'BEST'</p> <p>We shall be 'Admired' for our activities in life learning process through 'Education' The admiration shall come from all stakeholders – students, staff, society</p> <p>Our scale of admiration shall be based on the value addition we provide during the student days</p> <p>We shall ever remain 'Student centric' for we have no existence without them</p>	<h4>IT'S HALF WAY THROUGH OUR CENTENARY IN 2032</h4> <p>Phase I - GOALS</p> <p>Student strength to reach over 50,000</p> <p>SIES – University for Higher education</p> <p>All institutions accredited at the highest grade 'A' for e.g. in NAAC</p> <p>Socially responsive education. Beyond the classrooms or social media. 'ISR' the dominant face of SIES. A Good share of admiration from ISR.</p> <p>Most vibrant network of Alumni, Past Teachers and Staff, present human resources creating the vast SIES Family.</p> <p>Phase II – Goals and action plan in 2022</p> <p>2017 → 2025 → 2032</p>
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THE IDENTITY FOR ANY SIES INSTITUTION

- ▶ A distinct logo within the SIES logo
- ▶ A value lab ▶ An ISR Department
- ▶ A Past Student's Association within the institution without separate legal existence
- ▶ An active forum for parents and teachers
- ▶ Capitation Free Merit based student enrollment at all levels
- ▶ Highest accreditation from a National Agency
- ▶ Research unit



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Strategic Planning Process

Strategic planning process was conceived as an IQAC initiative. The IQAC, with the inputs of principal, registrar, heads of department, section in charges and senior faculty members developed the strategic plan. The plan is aligned with the institute's vision, mission, and goals which in turn is aligned to SIES Mission 2025 and capable of guiding strategic decisions and action plans. The entire process is depicted in the diagram below:



SWOC

Institutional Strength <ol style="list-style-type: none"> 1. Institution has a progressive view and provides holistic development of its students and staff in academically conducive ambience. 2. Blend of young and experienced qualified and dedicated faculty members. 3. Very good infrastructure including state of art laboratories, learner centric and ICT enabled teaching-learning Process. 4. Strong alumni connect. 5. Institute has proven social responsibility by providing skill-based training to the weaker sections of the society. 	Institutional Weakness <ol style="list-style-type: none"> 1. International engagement in terms of student and faculty exchange programs. 2. Limited number of research grants, consultancy. 3. Limited curriculum flexibility because of non-autonomous status.
<div style="background-color: red; color: white; padding: 5px; display: inline-block;">SWOC</div>	
Institutional Opportunity <ol style="list-style-type: none"> 1. Contemplating autonomous status by starting SIES University. 2. Opportunity for collaborations with Institutes of repute like IITs and foreign universities in emerging areas like geoinformatics. 3. Increase in Industry Institute Interaction through MoU with reputed agencies and premiere industries. 4. Strengthening innovation and incubation ecosystem and having opportunities for research-oriented patents. 	Institutional Challenge <ol style="list-style-type: none"> 1. Changing admission scenario in Engineering and Technology. 2. Getting qualified and competent experienced faculty in the emerging areas.



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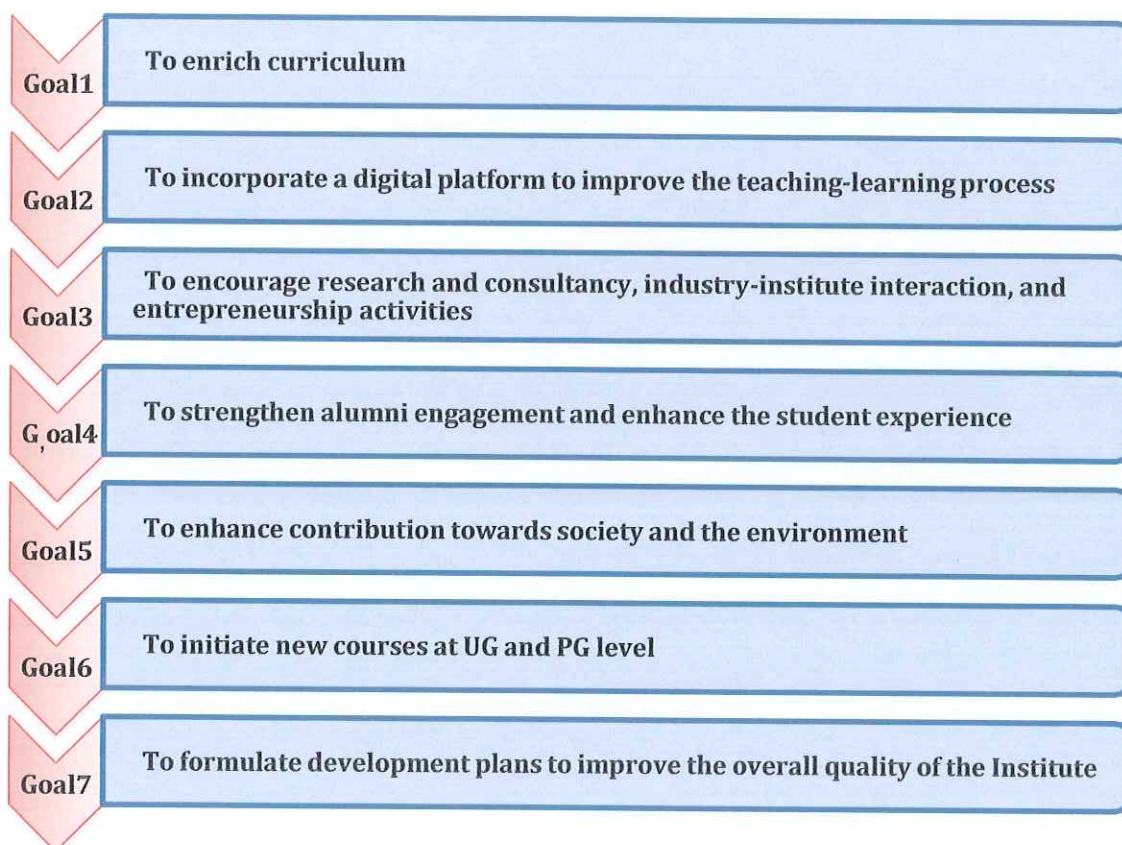


Strategic Plan Implementation and Monitoring

Implementation of the strategic plan shall be steered by the Principal. The heads of the department and section in charges as depicted in the organogram shall assist in implementation and monitoring. The deployment status/ tracking to be submitted and reviewed periodically through IQAC.

Strategic Goals 2018-2025

Considering the vision mission quality policy core values SWOC analysis, following strategic goals were finalized by the members of the IQAC committee to improve the quality and quantity of research, holistic development of students, engagement with industry and alumni, and enhance the student experience.



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Goal 1. To enrich curriculum

To sustain in the current competitive environment, it is immensely important to impart high-quality education. Thus, it is essential to bring rigor to academic processes. The first step towards the same is to strengthen the planning of academic and administrative activities throughout the academic year.

1.1 Department Advisory board

The institute aims at creating specialized clusters in the technical domain to ensure curriculum enrichment by identifying gaps and accordingly, designing various beyond syllabus activities for strengthening the Academic Administration.

1.2 Development of Course Objective and Course Outcomes to foster Outcome-Based learning

To make the teaching-learning process more effective it is essential to define the course objectives and specific course outcomes for undergraduate courses. Thus, all courses are designed with a view of Outcome-Based Learning (OBE).

1.3 Preparation of the Academic-Activity Calendar, a planning document for students, faculty, staff, and departments for each semester

1.4 To enhance curriculum delivery beyond syllabus activities:

1. Industrial Visits
2. Guest lectures
3. Internships
4. Problem-Based Learning
5. Certificate programs
6. Student Seminars

1.5 To offer industry-oriented certification courses/projects

1. MOOCs
2. Value Added Courses



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3. Industry Projects

4. Expert talks

1.6 Innovative teaching methods

1. Experiential learning, Innovative assignments, TPS

1.7 Result Improvement

Analyzing student results to design teaching methods to address the student needs to improve their performance at the end term exam.

1.8 Academic Audit

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
1.1	Department Advisory board							
1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning							
1.3	Academic-Activity Calendar							
1.4	To enhance curriculum delivery beyond syllabus activities							
	Industrial Visits							
	Guest lectures							
	Internships							
	Problem-Based Learning							
	Certificate programs							



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	Student Seminars							
1.5	To offer industry-oriented certification courses/projects							
	MOOCs							
	Value Added Courses							
	Industry Projects							
	Expert talks							
1.6	Innovative teaching methods							
1.7	Result Improvement							
	Remedial session							
	Extra classes for DSE							
	Preliminary Exam							
	Additional practice assignment							
	Extra lectures for difficult subjects							
1.8	Academic Audit							
	Course file							
	Faculty file							
	Feedback from all stake holders							




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Goal 2: To incorporate a digital platform to improve the teaching-learning process

Institute has a well-planned teaching-learning process and has a robust methodology for rolling out the process. The institute believes in quality teaching. Content delivery and dissemination methods are continuously updated to make teaching-learning more prolific.

2.1 To develop innovative teaching, learning, and assessment methods

1. Use ICT for effective teaching with E-Learning resources.
2. Content delivery- traditional teaching methods be supplemented with lecture management through digital platform methods (e-content / e assignments/ ppts etc.)
3. Recording of lectures and making it available digitally.

2.2 Transparency in continuous evaluation

2.3 Attendance Monitoring systems

2.4 Online student portal for academic and non-academic activities

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
2.1	To develop innovative teaching, learning, and assessment methods							
	Use ICT for effective teaching with E-Learning resources							
	Development of e-content							
	Recording of lectures and making it available digitally							




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2.2	Transparency in continuous evaluation							
2.3	Attendance Monitoring systems							
2.4	Automated library							




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Goal 3: To encourage Research & Consultancy, Industry Institute Interaction and Entrepreneurship activities

The Industry-Institute Interactions make the teaching and research more relevant. The institute aims to create collaborations with industry in terms of consultancy, sponsored research projects, technology transfer, etc.

Following actions/ activities shall be planned by the institute to encourage Research & consultancy, Industry Institute Interaction and Entrepreneurship activities.

3.1 To strengthen research activities in the institute

- Organizing a research conference and research symposium every alternate year
- Sponsorship to faculty to encourage participation in research activities on and off-campus
- Developing the sponsored research through minor research proposals

3.2 To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell/ IPR/preincubation/startup Activities

3.3 Establish a productive partnership between industry/ reputed organizations/ academic institutes for consultancy and internships

- To develop the short-term courses/ value-added courses in association with senior industry personnel
- To enhance the interface with industry and institutes of repute
- Expert lectures/ seminars



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STRATEGIC PLAN 2018-2025

	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
3.1	To strengthen research activities in the institute							
	Research conference and research symposium /STTP							
	Sponsorship to faculty to encourage participation in research activities on and off-campus							
	Sponsored research through research proposals							
	Number of research papers in conferences							
	Number of research papers in journal							
	Books written							
3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Pre incubation/startup Activities							



Signature

Principal
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3.3	Partnership between industry/ reputed organizations/							
	Internships							
	Consultancy work							
	Industry projects							
	MOU							
	Expert session/seminars							
	Short term courses							
	Value-added courses							
	Training program for faculty							
	Training by faculty							
	Industry labs							



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Goal 4: To strengthen alumni engagement and student experience

To enhance the experience of students on campus the holistic development of students is essential. To facilitate the same institute shall encourage the co-curricular and extra-curricular activities on campus.

Alumni is one of the key stakeholders of the institute. The feedback received from the alumni is vital for the progression and growth of the institute. Institute has Alumni committee in place to manage alumni interactions.

Following actions/ activities shall be planned by the institute to enhance student experience and strengthen alumni engagement:

- 4.1 Ensure value addition through quality teaching and learning
- 4.2 Enhance facilities for recreation, and sports on campus
- 4.3 Participation of students in various competitions organized at Institute, State or National level
- 4.4 Strengthen professional chapters
- 4.5 Improve the number of students placed
- 4.6 Provide schemes to encourage higher studies
- 4.7 Mentor mentee scheme
- 4.8 Online student portal for academic and non-academic activities
- 4.9 Professional Counseling and emergency medical service to the students on campus
- 4.10 Promoting alumni networking with students -
 - Get inputs from Alumni on planning the co-curricular activities to mitigate the gap between industry and academic
 - Inviting alumni for the Guest Lectures, conducting workshops, judges for competitions, viva panelists etc.
- 4.11 Student feedback on resources and infrastructure



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	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
4.1	No. of students enroll for Certification/ Diploma courses							
4.2	Facilities for recreation, and sports on campus							
4.3	No. of student participation in extracurricular activities							
	No of program organized by the institute							
	No of award/ medals won							
4.4	No of activities undertaken							
	Awards and Recognition to students							
4.5	Percentage of student placed							
	Maximum salary							
	Median Salary							
	No of skill development schemes to improve placement							
4.6	No of students pursuing higher studies							
	Initiatives taken to assist students for higher studies							
4.7	Mentor Mentee interactions							



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4.8	Online student portal for academic and non-academic activities							
4.9	Professional Counseling and emergency medical service to the students on campus							
4.10	Promote alumni networking with students							
	Alumni association and measures to enhance members							
	Alumni contribution							



[Signature]

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Goal 5: To enhance contribution towards society and the environment

SIES GST engages its faculty and students with the various societal activities to effectively execute its stated mission. The institute expects that such engagements are required to build the perspective and to create the awareness among faculty and students about the needs and issues of the society.

To increase such involvement of faculty and students following actions / activities shall be planned

5.1 To encourage students to opt for the elective courses that address gender bias, environment and sustainability issues

5.2 To encourage students and the faculty to take up the projects relevant to society to provide solutions

5.3 To involve students in green campus initiatives & waste management.

5.4 To plan various social initiatives contributing towards local community

5.5 Measures to improve waste disposal and e-waste collection

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
5.1	Number of opting for the elective courses that address gender bias, environment and sustainability issues							
5.2	Number of projects relevant to society to provide solutions							



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5.3	Number of green campus initiatives & waste management.							
5.4	Number social initiatives contributing towards local community							
5.5	Measures to improve waste disposal and e-waste collection							



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Goal 6: To initiate new courses at UG and PG level

To provide students with courses in latest technology and to strengthen research activities, Institute will be completing NBA and NAAC

6.1 Prepare to complete accreditation process

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
6.1	Complete accreditation process							




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Goal 7: To formulate development plans to improve the overall quality of the Institute

S.No		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
7.1	Participate in NIRF, ARIIA, MHRD							
7.2	IQAC Meetings							
7.3	Add / Update the organizational standard operating processes							
7.4	Internal and External audits							
7.5	Participation of staff in training programmes							
7.6	Organization of STTPs/ FDPs/ training within Institute							
7.7	Strengthening library & Increasing learning resources							
7.8	Maintenance of Infrastructure							
7.9	Regular updation of new lab equipment							
7.10	Development of new infrastructure							
7.11	No of faculty acquiring PhD							



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7.12	Awards and Recognitions to Institute							
7.13	Awards and Recognition to faculty							
7.14	Stakeholder feedback mechanism							
7.15	Green Initiatives taken & Policies for same							




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Department wise strategic plan deployment 2018-19 to 2021-22



CE Department

Deployment for AY 2021-22

Compliance report for the academic year 2018-19 with respect to Strategic Plan 2018-2025

Goal 1	To enrich curriculum
To sustain in the current competitive environment, it is immensely important to impart high-quality education. Thus, it is essential to bring rigor to academic processes. The first step towards the same is to strengthen the planning of academic and administrative activities throughout the academic year.	
1.1 Department Advisory board The institute aims at creating specialized clusters in the technical domain to ensure curriculum enrichment by identifying gaps and accordingly, designing various beyond syllabus activities for strengthening the Academic Administration.	
1.2 Development of Course Objective and Course Outcomes to foster Outcome-Based learning To make the teaching-learning process more effective it is essential to define the course objectives and specific course outcomes for undergraduate courses. Thus, all courses are designed with a view of Outcome-Based Learning (OBE).	
1.3 Preparation of the Academic-Activity Calendar, a planning document for students, faculty, staff, and departments for each semester	
1.4 To enhance curriculum delivery beyond syllabus activities: 1. Industrial Visits 2. Guest lectures 3. Internships 4. Problem-Based Learning 5. Certificate programs 6. Student Seminars	
1.5 To offer industry-oriented certification courses/projects 1. MOOCs 2. Value Added Courses STRATEGIC PLAN 2018-2025 3. Industry Projects 4. Expert talks	
1.6 Innovative teaching methods 1. Experiential learning, Innovative assignments, TPS	
1.7 Result Improvement Analyzing student results to design teaching methods to address the student needs to improve their performance at the end term exam	

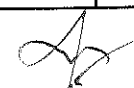
S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks

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1. 1	Department Advisory board	One meeting conducted on 01 September 2018	One meeting conducted on 19 October 2019	One meeting conducted on 30 January 2021	One meeting conducted on 12 February 2022 <u>DAB MOM</u>	To be conducted at least once a year. MoM is attached for the reference.
1. 2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	Done	Done	Done	To be done for every batch at the beginning of the academic year.
1. 3	Academic-A ctivity Calendar	Prepared	Prepared	Prepared	Prepared	Prepared at the beginning of every semester.
1. 4	To enhance curriculum delivery beyond syllabus activities	Conducted	Conducted	Conducted	Seminars Conducted for each subject of SE and TE on beyond syllabus contents <u>SDPs 2021-22</u>	During summer and winter vacation period.

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Industrial Visits	2	2	0	0	Visits are organized on regular basis to IT and other related companies
Guest lectures	8	3	7	7	Guest lectures are targeted to bridge the curriculum gap identified
Internships	72	56	120	35	Internship opportunities are floated during the semester for which interested students apply for their knowledge enhancement
Problem-Based Learning	Implemented	Implemented	Implemented	Implemented <u>Problem based learning</u>	Case studies discussion and designing problems to enhance learning experience
Certificate programs	2	10	0	3	Programs based on the skills development relevant to the needs of Industry
Student Seminars	6	6	46	46	Seminars are conducted on the topic beyond



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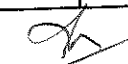
						syllabus but closely related to the contents
1. 5	To offer industry-oriented certification courses/projects	Offered	Offered	Offered	Offered	Project though industry linkage offered to students
	MOOCs	287	668	48	26	Institute Level : Courses offered by institute as NPTEL Study center, Coursera university partner and IIRS Network Institute
	Value Added Courses	2	10	5	6	In summer and winter vacations, value added courses are conducted at department level which aims to enhance the programming/coding skills and updates in the technology
	Industry Projects	1	1	0	1	Students' major projects are based on

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						the problem provided by the industry.																																
	Expert talks	5	1	3	7	Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used																																
1. 6	Innovative teaching methods	Implemented : Mind Map, Collaborative teaching method	Implemented : Mind Map ,Collaborative teaching, Reflective learning ,Role Play	Implemented Collaborative learning, Quiz, Poll	<u>Implemented:</u> Seminars, project based learning, Flipped classroom, Think-Pair-Share	Shall be implemented every academic year based on the course / batch requirements.																																
1. 7	Result Improvement	Compared 2018-19: to <table><tr><td></td><td>18-19</td><td>19-20</td><td>+/-</td></tr><tr><td></td><td></td><td>-20</td><td>-</td></tr><tr><td>S E</td><td>75.23 %</td><td>100 %</td><td>+24.7</td></tr></table>		18-19	19-20	+/-			-20	-	S E	75.23 %	100 %	+24.7	Compared to 2019 - 20: <table><tr><td></td><td>19-20</td><td>20-21</td><td>+/-</td></tr><tr><td>SE</td><td>100 %</td><td>100 %</td><td>0.0 %</td></tr><tr><td>TE</td><td>100 %</td><td>100 %</td><td>0.0 %</td></tr></table>		19-20	20-21	+/-	SE	100 %	100 %	0.0 %	TE	100 %	100 %	0.0 %	Compared to 2020 – 21: <table><tr><td></td><td>20-21</td><td>21-22</td><td>+/-</td></tr><tr><td>S E</td><td>100 %</td><td>92.02 %</td><td>-7.98 %</td></tr></table>		20-21	21-22	+/-	S E	100 %	92.02 %	-7.98 %	Improvement is observed in the result.	Substantial improvement is observed in the result for academic year 20-21 and 2021-22
	18-19	19-20	+/-																																			
		-20	-																																			
S E	75.23 %	100 %	+24.7																																			
	19-20	20-21	+/-																																			
SE	100 %	100 %	0.0 %																																			
TE	100 %	100 %	0.0 %																																			
	20-21	21-22	+/-																																			
S E	100 %	92.02 %	-7.98 %																																			

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		<table><tr><td></td><td></td><td></td><td>7 %</td></tr><tr><td>T E</td><td>88. 98 %</td><td>10 0 %</td><td>+ 11 .0 2 %</td></tr><tr><td>B E</td><td>96. 30 %</td><td>10 0 %</td><td>+ 3. 97 %</td></tr></table>				7 %	T E	88. 98 %	10 0 %	+ 11 .0 2 %	B E	96. 30 %	10 0 %	+ 3. 97 %	<table><tr><td>BE</td><td>100 %</td><td>100 %</td><td>0.0 %</td></tr></table>	BE	100 %	100 %	0.0 %	<table><tr><td>T E</td><td>10 0 %</td><td>99. 06</td><td>-0.9 4 %</td></tr><tr><td>B E</td><td>10 0 %</td><td>100</td><td>0.0 %</td></tr></table>	T E	10 0 %	99. 06	-0.9 4 %	B E	10 0 %	100	0.0 %		
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BE	100 %	100 %	0.0 %																											
T E	10 0 %	99. 06	-0.9 4 %																											
B E	10 0 %	100	0.0 %																											
	Remedial session	Conducted	Conducted	Conducted	Conducted	Conducted for the students who score less than 40% marks in UT1 on the topics of UT1 also remedials are conducted for weak students.																								
	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted	They are planned and conducted during Ganpati vacations and after the regular time table on daily basis																								


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	Preliminary Exam	Not conducted	Not conducted			
	Additional practice assignment	Conducted	Conducted	Conducted(13)	Conducted <u>Extra Assignment</u> <u>2021-22</u>	Shall be conducted based on the course / batch requirements
	Extra lectures for difficult subjects	-				
1. 8	Academic Audit	1 External audit Conducted.	1 External audit Conducted.	1 External audit Conducted.	<u>1 External audit was conducted on 18 Jan 2022.</u>	To be conducted at least once a year
	Course file	19(Odd Sem)+17(Even sem)	17	17	17	Academic audit includes semester wise course file and personal file
	Faculty file	22	18	18	17	
	Feedback	2	2	2	2	Students feedback and teaching and learning is

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						conducted at least twice a year.
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Goal 2

To incorporate a digital platform to improve the teaching-learning process

Institute has a well-planned teaching-learning process and has a robust methodology for rolling out the process. The institute believes in quality teaching. Content delivery and dissemination methods are continuously updated to make teaching-learning more prolific.

2.1 To develop innovative teaching, learning, and assessment methods

1. Use ICT for effective teaching with E-Learning resources.

2. Content delivery- traditional teaching methods be supplemented with lecture management through digital platform methods (e-content / e assignments/ ppts etc.)

3. Recording of lectures and making it available digitally.

2.2 Transparency in continuous evaluation

2.3 Attendance Monitoring systems

2.4 Online student portal for academic and non-academic activities

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
2.1	To develop innovative teaching methods	Innovative teaching methods were used	Innovative teaching methods were used	Innovative teaching methods were used	Innovative teaching methods were used	conducted based on the course / batch requirements

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	teaching, learning, and assessment methods	were used like animated concept maps to give overview of the chapter in Microprocessor course.	like giving case study on HMI design problems and making students to change the design and reflect on the effects.	like Polling and quiz is conducted using mentimeter related to subjects like Cyber Security laws, Software Engg. Machine Learning, Multimedia Systems, BDA,, MCC,DBMS,SPCC to make the lecture interactive as well as helped in assessing students.	like Mindmap in subject PGM, case studies in subjects Cryptography and System Security, Cyber Security Laws, Flipped classroom in subjects DC,DLCA,MIS to create self-learning viewpoint amongst students	
	Use ICT for effective teaching with E-Learning resources	Various ICT tools are used to enhance the teaching-learning process- Google classroom, online drawing tools, virtual labs, etc.	Various ICT tools are used to enhance the teaching-learning process- Google classroom, online teaching using Google Meet, virtual labs, etc.	Various ICT tools are used to enhance the teaching-learning process- Google classroom, online teaching using MS teams, virtual labs, drawing tools etc.	Various ICT tools are used to enhance the teaching-learning process-MS teams, Virtual labs, Presentations, Concept map, various tools.	
	Development of e-content	Course material is created in the form of lecture Videos, PPTs, lab manuals, etc.	Course material is created in the form of lecture Videos, PPTs, lab manuals, etc.	Course material is created in the form of lecture Videos, PPTs, lab manuals, youtube videos, etc.	Course material is created in the form of lecture Videos, PPTs, lab manuals etc.	

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	Recording of lectures and making it available digitally	Videos on few topics were created and made available to students.	Videos of online lectures were recorded and were made available to students.	Videos of online lectures were recorded and were made available to students.	Few videos of online lectures were recorded and were made available to students.	
2.2	Transparency in continuous evaluation	The assignment marks, experiment evaluations, test marks are shown to students and the discrepancies are resolved immediately.	The assignment marks, experiment evaluations, test marks are shown to students and the discrepancies are resolved immediately.	TW calculation involving assignment marks, experiment evaluations, attendance and also test marks are shown to students and the discrepancies are resolved immediately	TW calculation involving assignment marks, experiment evaluations, attendance and also test marks are shown to students and the discrepancies are resolved immediately	The solution key shared is with students after the exam and the paper evaluation is discussed in the class.
2.3	Attendance Monitoring systems	Yes	Yes	Yes	Yes	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Yes	Yes	Yes	Yes	Centrally made available



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Goal 3

To encourage research and consultancy, industry-institute interaction and entrepreneurship activities

The Industry-Institute Interactions make the teaching and research more relevant. The institute aims to create collaborations with industry in terms of consultancy, sponsored research projects, technology transfer, etc. Following actions/ activities shall be planned by the institute to encourage Research & consultancy, Industry Institute Interaction and Entrepreneurship activities.

3.1 To strengthen research activities in the institute

- Organizing a research conference and research symposium every alternate year
- Sponsorship to faculty to encourage participation in research activities on and off-campus
- Developing the sponsored research through minor research proposals

3.2 To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell/ IPR/preincubation/startup Activities

3.3 Establish a productive partnership between industry/ reputed organizations/ academic institutes for consultancy and internships

- To develop the short-term courses/ value-added courses in association with senior industry personnel
- To enhance the interface with industry and institutes of repute
- Expert lectures/ seminars

S. N	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
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0						
3.1	To strengthen research activities in the institute	Seminar on technical paper writing was conducted for BE students. Organizing and conducting National level Project presentation competition	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project presentation competition	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project presentation competition	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project presentation competition	Project guide mentored their project groups in identifying conference , Journal for publication and helped them in understanding similarity check /Plagiarism check using Urkund software.
	Research conference and research symposium /STTP	55 Attended	158 Attended	89 Attended	45 Attended	Conferences workshop attended/ Mooc Courses completed
	Sponsorship to faculty to encourage participation in research activities on and off-campus	12 College has sponsored STTP on CyberSecurity for Faculty 5000	15 College has sponsored STTP on Cloud and HPC for Faculty 10000	15 College has sponsored STTP on Blockchain for Faculty 8000	No Sponsorship	Research policy documents circulated to faculty.



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	Sponsored research through research proposals	1 (40,000/-)	3 (Rs. 75,000/-)	NA	NA	Minor research grant by university of Mumbai.
	Number of research papers in conferences	7	8	11	23	
	Number of research papers in journal	Number of papers in UGC Journals:9 All Journals: 9	Number of papers in UGC Journals:1 All Journals: 11	Number of papers in UGC Journals:5 All Journals: 6	Number of papers in UGC Journals:04 All journals :20	
	Books written	Nil	4 Books	Nil	Nil	
3. 2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubat	E - Cell is functional	MHRD - Institute Innovation Cell initiated.	Activities are conducted at institute level. Guest lecture for IPR under R&D	Patent awareness program by Indian Patent Office, Mumbai for SE,TE and BE students.	



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	ion/startup Activities					
3. 3	Partnership between industry/ reputed organizations/	Collaboration for internship	Collaboration for internship	Collaboration for internship	Collaboration for internship	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence
	Internships	72	56	92	32	Project based Internships are carried out in the industry or on the technologies used in the industry.
	Consultancy work	NA	NA	NA	NA	
	Industry projects	1	1	0	1	
	MOU	3	1	4	3	Collaboration with IT industry
	Expert session/seminar s	6	3	7	7 <u>Expert talk</u>	From industry experts


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Short term courses	5	6	12	13	<u>5.1.3 CSI</u>	Workshops conducted by IIT bombay remote center for faculty members and by professional body CSI for students.
Value-added courses	0	0	0	0		
Training program for faculty	2 (1 STTP, 1 FDP)	2 (1 STTP, 1 FDP)	3 (1 STTP, 2 FDP)	2(FDP 1 STTP1)		Every year one AICTE -ISTE approved STTP is organized on the topics related to recent trends in the IT industry.
Training by faculty	1	4	0	3		By being Resource for workshops and FDPs
Industry labs	NIL	NIL	NIL	NIL		



Goal 4

To strengthen alumni engagement and enhance the student experience

To enhance the experience of students on campus the holistic development of students is essential. To facilitate the same institute shall encourage the co-curricular and extra-curricular activities on campus. Alumni is one of the key stakeholders of the institute. The feedback received from the alumni is vital for the progression and growth of the institute. Institute has Alumni committee in place to manage alumni interactions. Following actions/ activities shall be planned by the institute to enhance student experience and strengthen alumni engagement:

- 4.1 Ensure value addition through quality teaching and learning
- 4.2 Enhance facilities for recreation, and sports on campus
- 4.3 Participation of students in various competitions organized at Institute, State or National level
- 4.4 Strengthen professional chapters
- 4.5 Improve the number of students placed
- 4.6 Provide schemes to encourage higher studies
- 4.7 Mentor mentee scheme
- 4.8 Online student portal for academic and non-academic activities
- 4.9 Professional Counseling and emergency medical service to the students on campus
- 4.10 Promoting alumni networking with students -
 - Get inputs from Alumni on planning the co-curricular activities to mitigate the gap between industry and academic
 - Inviting alumni for the Guest Lectures, conducting workshops, judges for competitions, viva panelists etc.
- 4.11 Student feedback on resources and infrastructure



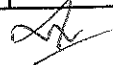
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S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
4.1	No. of students enroll for Certification/Diploma courses	205	601	48	99(SDP)+23(Course ra)+3(NPTEL)=125	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	Provided all the students at institute level
4.3	No. of student participation in extracurricular activities	38(Non Technical)+59(Technical)	9(Non Technical)+71(Technical)	70(Technical)+5(Non Technical)	41(Technical)+53(Non Technical)	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon,
	No of program organized by the institute	4	2	12	13 <u>CSI Reports</u> <u>2021-22 - Google Drive</u>	Activities under CSI like+sdps+workshop
	No of award/ medals won by students	12	5	30	90	



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4.4	No of activities undertaken	4	2	12	13 <u>CSI Reports 2021-22 - Google Drive</u>	(coding skills/bmw analysis activity/case study discussion/ieepaper discussion soft skill activity : 1hr or 2 hr activity)
	Awards and Recognition to students	12	5	30	36 <u>Proof 5.3.1 awards</u>	Promethean 2021, Technopreneur 2021, Bugsquash 2022, ByteCamp 2022, Kabaddi, Volleyball
4.5	Percentage of student placed	81%	85%	90%	67%(ongoing)	TCS Digital, Xoriant, Continuum, GEP, Reliance jio, Ingram, Capgemini, LTI, TCS Ninja
	Maximum salary	Rs.7 LPA	Rs. 7LPA	Rs.10 LPA	Rs. 10 LPA	TCS Digital, PerkinElmer, LTI Level 3 nVent
	Median Salary	Rs. 3.5 LPA	Rs. 3.5 LPA	4.5	4.5	Reliance jio, LTI Ingram
	No of skill development schemes to	10	7	2	2	Campus Recruitment Training by Campus Credential, Industry Expectations From



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	improve placement					Engineering Graduates, FNAT -Mock Online Aptitude & Coding Test(4-3-2020) by First Naukri.com IDBI Training Campus Recruitment Training by Campus Credential
4.6	No of students pursuing higher studies	11	21	15	09	Stevens Institute of Technology, Rochester Institute of Technology, Binghamton University University of Massachusetts, Michigan Technological University
	Initiatives taken to assist students for higher studies	4	9	1	1	Higher Education counseling by TC Global, Higher Education in Germany, Overseas Education, different courses available, resume and profile building



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						Seminar for Abroad education by Aditya menon, Gate seminar by Ayushi and Joshi
4.7	Mentor Mentee interactions	Conducted Regularly: MIn 2 meeting in a semester along with PTM	Conducted Regularly: MIn 2 meeting in a semester along with PTM	Conducted Regularly: Min 2 meeting in a semester along with PTM	Conducted Regularly: Min 2 meeting in a semester along with PTM	
4.8	Online student portal for academic and non-academic activities	Developed by students known as Portal Companion	Developed by students known as Portal Companion	-	Arena for Codeshef SIESGST	
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	Counseling sample Case <u>Proof</u>	Mentor and class incharges identified students for counseling and provided professional counseling
4.10	Promote alumni	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	Alumni are invited as speakers for workshops/seminars,


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	networking with students					mentor students for higher studies, for evaluation of mini projects.
	Alumni association and measures to enhance members	Alumni association exists and following are the measures taken: 1. Alumni portal 2: Linked in page 3: DAB member	Alumni association exists and following are the measures taken: 1. Alumni portal 2. Facebook page 3: DAB member	Alumni association exists and following are the measures taken: 1. Alumni portal 2. Facebook page 3: DAB member 4. Invited talks	Alumni association exists and following are the measures taken: 1. Alumni portal 2. Facebook page 3: DAB member 4. Invited talks 5. Coding competition for students	
	Alumni contribution	Mention all the types of contribution training, interaction, judging, monetary, etc. 1) SIH industry Mentor 2) Judge for matrix 3) Monetary contribution for basketball court 4) Expert lecture for students on	Mention all the types of contribution training, interaction, judging, monetary, etc. 1) SIH industry Mentor 2) Guest lecture 3) Mentoring BE project 4) workshop conducted on angular JS	1) Expert talks 2) Workshops under CSI 3) Mini project evaluation 4) Coding Competition for FE 5) Guest lecture for GATE Preparation	<u>Alumni 2020-21</u>	Alumni are invited as speakers for workshops/seminars, mentor students for higher studies, for evaluation of mini projects. Alumni Conducted session on advanced C and coding competition for FE students



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		industry requirement				
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Goal 5 To enhance contribution towards society and the environment

SIES GST engages its faculty and students with the various societal activities to effectively execute its stated mission. The institute expects that such engagements are required to build the perspective and to create the awareness among faculty and students about the needs and issues of the society. To increase such involvement of faculty and students following actions / activities shall be planned

5.1 To encourage students to opt for the elective courses that address gender bias, environment and sustainability issues

5.2 To encourage students and the faculty to take up the projects relevant to society to provide solutions

5.3 To involve students in green campus initiatives & waste management.

5.4 To plan various social initiatives contributing towards local community

5.5 Measures to improve waste disposal and e-waste collection

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
5.1	Number of students opting for the elective courses that address gender bias,	NA	23	08	NA	Sem VIII elective EVM (R-2016) Sem VIII ILO -EVM-FH2021



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	environment and sustainability issues					
5.2	Number of projects relevant to society to provide solutions	19	19	23	06 for SE+24 for BE <u>BE Project List Of Social relevance Topics</u>	Sem VI and final year Major project had objective towards providing solution to the societal problems
5.3	Number of green campus initiatives & waste management.	2	2		6R plastic banned policies are implemented.	2018-19 : e-journal submission, car pooling 2019-20 : reduction in use of plastic water bottles and tiffins ,E-documentation
5.4	Number social initiatives contributing towards local community	Beacon Web development :20	Enter Number Web development: 11	Mask initiatives done till 4 lakh	Mask distribution	
5.5	Measures to improve waste disposal and	<ul style="list-style-type: none"> Dustbin making activity 	-----	-----	Single use plastic banned policy implemented in campus	



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	e-waste collection	<ul style="list-style-type: none"> E-waste management seminar Compost filtering 				
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Goal 6

To initiate new courses at UG and PG level

To provide students with courses in latest technology and to strengthen research activities, Institute will be completing NBA and NAAC

6.1 Prepare to complete accreditation process

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
6.1	Complete accreditation process	NAAC Accreditation Process completed with B++	NBA Accreditation to be completed	NBA Accreditation received for AY 2021-24	PG syllabus setting, New 3 UG courses started	



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Goal 7

To formulate development plans to improve the overall quality of the Institute

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD	
7.2	IQAC Meetings	2	4	2	2	
7.3	Add / Update the	NA	NA	NA	PI included in QP	Co Mappings for assignment,



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	organizational standard operating processes					CO mapping for QP of IA, Rubrics for mini project/Lab/Major project
7.4	Internal and External audits	2(Internal)+1 (External)	1(Academic Internal)+1 (NBA internal)+1(External Academic)	1(External Audit)	1(Academic Internal)+1(External Academic)+1 (Stock verification)	NBA audit and Academic audit
7.5	Participation of staff in training programs	55	158	65	43	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	6	5	3	2	AICTE -ISTE approved STTP on Data science and Visualization tools, FDP on Data Science ,AICTE -ISTE approved STTP , geo informatics, AICTE -ISTE approved STTP on Blockchain Technology, FDP on Agile methodology and Next Gen Technologies
7.7	Strengthening library &	Departmental Library IEEE Digital	1. Departmental Library 2.IEEE Digital	Departmental Library	Departmental Library available for faculties and students	



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	Increasing learning resources	Library session conducted for faculty and students	Library session conducted for faculty and students 3.			
7.8	Maintenance of Infrastructure	Yes	Yes	Yes	22 old systems replaced with new machined	Location CE lab 313
7.9	Regular updation of new lab equipment	Yes	Yes	Yes	Yes	
7.10	Development of new infrastructure	Yes	Yes	Yes	No	
7.11	No of faculty acquiring PhD	1	3	NA	-	
7.12	Awards and Recognitions to Institute	1	NA	02	NA	Mention some notable achievements




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7.13	Awards and Recognition to faculty	NA	01	NA	NA	Mention some notable achievements
7.14	Stakeholder feedback mechanism	Yes	Yes	Yes	Yes	Faculty feedback is taken two times in a semester. Feedback from other stakeholders (parents, Employers, Alumni, staff etc) is taken once in a year.
7.15	Green Initiatives taken & Policies for same	Journal submission online Car pooling	Journal submission online Car pooling	Journal submission online Car pooling	6R plastic banned policies are implemented.	2018-19 : e-journal submission, car pooling 2019-20 : reduction in use of plastic water bottles and tiffins ,E-documentation
	Institute Level Objectives	1. To provide value-based education using at least one innovative teaching methods	1. To qualify for platinum category grade in AICTE-CII survey 2. To conduct at least two	1. To increase the number of Industry MoUs / linkages and conduct at least one activity per	1. Each department to take industry project/ research project with number equivalent to	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.




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		and one ICT tool per course.	approved technical audit	year under this linkage.	half of total faculty strength.	
		2. To strengthen the Industry Institute Interaction to qualify for the third round of AICTE-C II Survey.	courses by each department and two non-technical audit courses by the Institute	2. To implement IT enabled management for all activities of the Institute.	2. To conduct at least two technical activities at National/ International level by each department.	
		3. To promote self learning amongst students, at least 25% from each class.	3. To carry out at least one consultancy project with Industry and/or one in-house development of modules	3. To improve participation of alumni in resource generation and planning & development.	3. Revenue generation through consultancy/ MOU's/ Alumni by every department as per	
				4. To formulate		


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			as a solution to Institute requirements	and implement start-up policy.	NAAC/NBA requirement.	
			4. To conduct at least one Training session for Industry by the faculty members of each department		4. Each department to include at least two value added courses or certificate programs in the emerging areas to enrich the curriculum.	
	Objectives at department Level to achieve strategic goals	1. Enhance collaboration with industries and organizations for projects.	1. To improve student's participation into technical competition	1. To improve the quality of research publications by students and faculty	1. To improve faculty participation in Major/minor	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.


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		<p>2. To encourage more number of students for internship programs.</p> <p>3. To improve students publications (for quality Projects) in lined with institute to enhance Research & Development activities amongst students</p>	<p>2. To increase faculty and student research publications by 25%</p> <p>3. To get accreditation from national board for the computer engineering program</p>	<p>2. To improve industry related consultancy projects</p> <p>3. To improve problem solving, programming and soft skills of students.</p>	<p>research proposals.</p> <p>2. To improve problem solving, coding and soft skills in students.</p> <p>3. To develop two in-house projects for Institute /department automation.</p>	
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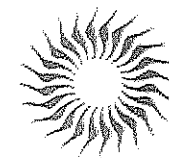


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		<p>and faculty members.</p> <p>4. To conduct session for students soft skill developm ent.</p> <p>5. To promote entreprene urship by encouragi ng students to take up innovative projects.</p>				
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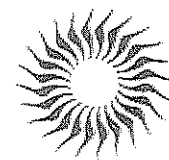
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Deployment data for AY 2018-19, 2019-20 , 2020-21 and 2021-22 of IT Department. Compliance report for the academic year 2018-19, 2019-20, 2020-21 and 2021-22 with respect to Strategic Plan 2018-2025.

Goal 1 **To enrich curriculum**

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
1.1	Department Advisory board	Two meetings conducted <u>MoM(SH2018)</u> <u>MoM(FH2019)</u>	One meeting conducted <u>MoM</u>	One meeting conducted <u>MoM</u>	One meeting conducted <u>MoM</u>	Conducted two meetings on 29/9/2018 and 12/4/2019 for the Academic year 2018-19. Conducted one meeting on 18/10/2019 for the academic year 2019-20. Conducted meeting on 28/01/2021 for the academic year 2020-21. Conducted meeting on 12/02/2022 for the academic year 2021-22.
1.2	Development of Course Objectives and Course	Done	Done	Done	Done	Done by the University for each subject during syllabus revision in R 2012, R 2016 and R 2019.


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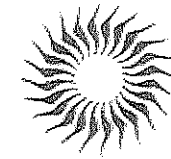
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	outcomes to foster Outcome Based Learning					However faculty has the flexibility to update the Course Outcomes.
1.3	Academic-Activity Calendar	Prepared	Prepared	Prepared	Prepared	Prepared in the beginning of every semester.
1.4	To enhance curriculum delivery beyond syllabus activities	Conducted	Conducted	Conducted	Conducted	Organized Industrial visits, guest Lectures, student seminars etc. to enhance curriculum delivery beyond syllabus activities.
	Industrial Visits	3	1	-	-	Organised 4 Industrial visits in the industries like TCS, Anunta Tech, Reliance Jio etc.
	Guest lectures	18	11	11	22	Organised guest lectures to enrich the curriculum for the respective subjects.
	Internships	41	53	34	45	Apart from the Industry Internships, College/Department provides Internships by

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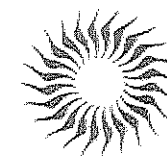
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						involving students in Projects/ project based value added courses.
	Problem-Based Learning	Implemented	Implemented	Implemented	Implemented	Students were encouraged to analyze real world problems and provide guidance to implement the projects. For example: IoT, InP, AADL, SBL, EM-III, EM-IV, PCE-II, BIL, Web Lab, Sensor Lab, DS using python lab, Data Science Lab, IoE Lab, ROSPL, BDL.
	Certificate programs					
	Student Seminars	SE-75 TE-80	SE-69	BE-78 TE- 71	SE-69 TE-70	Every even semester, seminar is conducted for students to explore and gain more knowledge in the curriculum (2018-19.2019-20).

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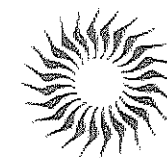
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						Case study presentations/ demonstrations conducted for students to explore and gain more knowledge in curriculum in IoE, WN and ERP subject. (2020-21). Mini project is introduced in revised curriculum REV- 2019 from third semester, to improve communication skill and Team activity (SE (2021-22: Mini Project – 1 A for Front end /Backend Application using JAVA Mini Project – 1 B for Python based automation projects) TE(2021-22: Mini Project – 2 A Web Based Business Model Mini Project – 2 B Based on ML.))
1.5	To offer industry oriented	Offered	Offered	Offered	Offered <u>Full stack SDP</u> <u>report.pdf</u>	To make students industry ready 2 Programs were conducted in 2018-19 on


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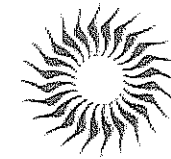
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	certification courses/projects					Machine learning with R and Machine Learning with Python and 3 Programs were conducted in 2019-20 on CCNA, Skill development and Data mining and analytics. 1 Program conducted in Network security and Management in 2020-21 (Industry experts from Lab systems, NOKIA have taken sessions). 1 Program conducted on Full Stack Web Development in 2021-22. (Industry Expert from Jio and CarTrade Tech have conducted sessions)
	MOOCs	1	2	1	5	NPTEL, Coursera, Udemy, IBM, Kaggle, Internshala
	Value Added Courses	2	3	1	1 https://siescms-my.sharepoint.com/:b:/g/person	2 Programs were conducted in 2018-19 on Machine learning with R and


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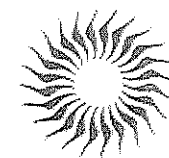
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					al/hodit_sies_edu_in/EUfrylejlr9LpcDjTN3S1ABLWh6xoWvlpnN-MDCHLy3Rw?e=ASUZor	Machine Learning with Python and 3 Programs were conducted in 2019-20 on CCNA, Skill development and Data mining and analytics, 1 Program conducted in Network security and Management in 2020-21. 1 Program conducted on Full Stack Web Development in 2021-22.
	Industry Projects	5	1	2	1 Flutter app-2021-22.pdf	2018-19: 1. Web Analytics in Lab Systems.Mr. Biren Arora- TE IT) 2. Image Analysis in Lab Systems.(Mr. Abhirup K- TE IT) 3. Ellipsis Health Companion, Ellipsis research and business solutions Pvt.Ltd.(Mr. Venkatesh- BE IT) 4. Blockchain and cryptocurrency Analysis

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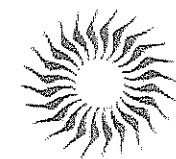
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						(Mr. Vinay Vishwanath, AVP, Lab Systems. 5. 3D modulation and simulation of nuclear reactor plant (Mr. Dinesh K. Maurya, Scientific Officer , BARC) 2019-20: Implemented the Landing Page Website project for the Lab systems(Adwait, Ritvij, Yash, Akshay-TE IT). 2020-21: Completed the consultancy project "Document Gathering App" for Ellipsis RBS, Mumbai and "Mobile App for Mutual funds" project for Ezytek Pvt. Ltd. 2021-22: Doing project with Ridenet Technologies .
	Expert talks	18	11	11	22 https://drive.google.com/drive/folders/1_ZPaEU_9C4X7LJ2hdGF9Ddi1W3u_WfGi?usp=share_link	Organised expert talks by the industry expert to enrich the curriculum.

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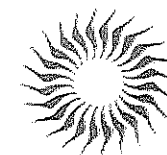
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1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Implemented <u>NAAC2.3.1 STUDENT CENTRIC IT</u>	Apart from the Traditional teaching, faculty used innovative methods in teaching like TPS, problem based learning etc.
1.7	Result Improvement	Compared to 2017-18: 2017-18 2018-19. SE: 81.08 82.66 TE: 98.68 96.15 BE: 89.85 100	Compared to 2018-19: 2018-19 2019-20 SE: 82.66 100 TE: 96.15 100 BE: 100 100	Compared to 2019-20: 2019-20 2020-21 SE: 100 100 TE: 100 100 BE: 100 100	Compared to 2020-21: 2020-21 2021-2022 SE: 100 98 TE: 100 100 BE: 100 100	Updated - Results shown are having improvement.
	Remedial session	Conducted	Conducted	Conducted	Conducted	Each faculty conducts the BMW for their subject, motivates and guides the students. Remedial lectures conducted for needy students.

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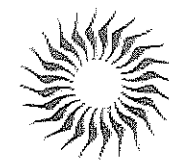
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	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted	Conducted extra lectures for all the Theory/ labs for DSE students.
	Preliminary Exam	Not conducted	Not conducted	Not conducted	Preliminary exam conducted for the students	Assignments will be given for students and also extra lectures conducted for the students.
	Additional practice assignment	Conducted	Conducted	Conducted		
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted		

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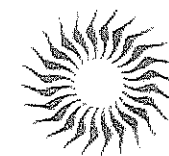
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1.8	Academic Audit	External Audit-1 Internal Audits-2	External Audit-1	External Audit-1 Internal Audit-1	External Audit-1 <u>External Audit Report</u> <u>SH2021.pdf</u>	External Academic audit conducted for SH2021 and FH 2020 by Dr. M.M. Chandane on 15/01/22. Internal Audit was conducted for SH20 and FH 2021 on 7/10/2021 by Dr. Deepti Reddy. External Academic audit conducted for FH2020 and SH 2020 by Dr. M.M. Chandane on 12/01/21. External audit conducted on 17/6/2019 for SH 2018, FH 2019 and SH 2019 by Dr. Sachin Bojewar. Internal Audits were conducted on December 1, 2018 by Prof. Sumitra P and July 4, 2019 by Dr. Manasi K.
	Course file	Yes	Yes	Yes	Yes	Each faculty maintains the course file for each subject which includes Session plan, attainment, Question paper, Lecture notes


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						etc. This will be audited in each semester.
	Faculty file	Yes	Yes	Yes	Yes	Maintained by each faculty.
	Feedback	Yes	Yes	Yes	Yes	Conducted at least twice a year. Also suggestions given to the faculty for improvement.

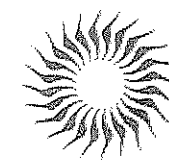
Goal 2

To incorporate a digital platform to improve the teaching-learning process

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
2.1	To develop innovative teaching, learning, and	Developed	Developed	Developed	Developed	Conducted based on the course / batch requirements and maintained in the course file.

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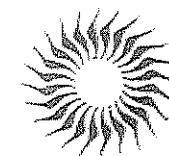
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	assessment methods					
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	Done <u>2.3.2-ICT tools_JTDepartment.xlsx</u>	
	Development of e-content	Yes	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	Yes	Yes	
2.2	Transparency in continuous evaluation	Yes	Yes	Yes	Yes	The solution key shared is with students after the exam and the paper evaluation is discussed in the class.
2.3	Attendance Monitoring systems	Yes	Yes	Yes	Yes	Defaulters' list taken at regular intervals. Typically thrice in a semester.

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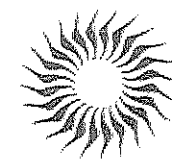
2.4	Automated library	Library automation consists of:	Library automation consists of:	Library automation consists of:	Library automation consists of:	Centrally made available
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Goal 3

To encourage research and consultancy, industry-institute interaction and entrepreneurship activities

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
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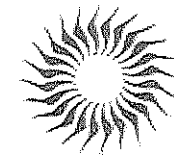
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3.1	To strengthen research activities in the institute	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Conducted(college level) various seminars on research/ patent writing to encourage faculty/ students.
	Research conference and research symposium /STTP	conferences-1 STTP-12	Conferences-14 STTP-13	Conferences- 13 STTP-11	Conferences 16 STTP-12 <u>STTP_REPORT_DAT</u> <u>A SCIENCE_SH21</u> <u>(1).doc</u>	2018-19:1 paper published in conference. 12 faculty members attended STTP. 2019-20: 14 Papers are published in conferences. 13 Faculty members attended STTP. 2019-20: 22 Papers are published in conferences. 11 Faculty members attended STTP. 2021-22: 16 Papers are published in conferences. 12 Faculty members attended STTP.
	Sponsorship to faculty to encourage participation in research	Nil	Nil	Nil	Nil	

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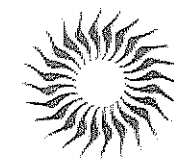
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	activities on and off-campus					
	Sponsored research through research proposals	3	2	2(Continuing 2019-20)	2(Continuing 2019-20)	2019-20: Ms. Savita Lohiya, Ms. Seema Redekar received Rs 30,000/- and Rs 25,000/- from University of Mumbai. And continued in 2020-21 due to pandemic. 2018-19: Ms. Lakshmisudha, Ms. Bushra, Ms. Stuti received 15,000/ , 30,000/-, 25,000/- respectively from University of Mumbai.
	Number of research papers in conferences	1	14	13	16 Research publication details 2021-22.xlsx	2018-19:1 paper published in conference. 2019-20: 14 Papers published in conferences. 2020-21- 13 Papers published in conferences. 2021-22-16 Paper published in conferences.
	Number of research papers in journal	13	4	9	17 Research publication details 2021-22.xlsx	2018-19:13 paper published in UGC Journals 2019-20: 4 Papers published in UGC Journals

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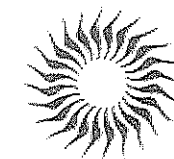
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						2. Ms. Stuti A. Published chapter in book titled Video Descriptor using Attention Mechanism
3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/startup Activities	E – Cell is functional	MHRD – Institute Innovation Cell initiated.	MHRD – Institute Innovation Cell initiated.	MHRD – Institute Innovation Cell initiated.	Implemented at college level.
3.3	Partnership between industry/ reputed organizations/	Excellent Partnerships established	Excellent Partnerships established	Excellent Partnerships established	Excellent Partnerships established	The Department Advisory Board consists of Industry experts, Academic experts and Alumni. We maintain Excellent relationships with industry / other educational institutes/ Universities.

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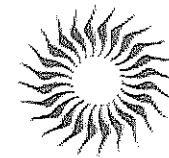


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	Internships	41	53	34	45	Completed industry internships by students and 34 students completed internal internships in 2020-21. 45 students completed in 2021-22.
	Consultancy work	Rs.40.000/-(2 projects)	7,500/-	37,500/-	--	2018-2019 1. Completed "Text extraction from Scanned Documents with Simplicat Creations Private Ltd." 2. Completed "E-commerce Website Data Scraping with Simplicat Creations Private Ltd. 2019-20 3. Completed Document gathering app from Ellipsis. 4. Completed " Mobile App Development" from Ezytek (Rs. 30,000/-)
	Industry projects	5	1	2	1 <u>Flutter app-2021-22.pdf</u>	2018-19: 1. Web Analytics in Lab Systems.Mr. Biren Arora- TE IT) 2. Image Analysis in Lab Systems.(Mr. Abhirup K- TE IT)

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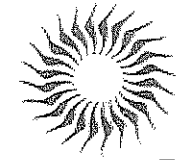


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						<p>3. Ellipsis Health Companion, Ellipsis research and business solutions Pvt.Ltd.(Mr. Venkatesh-BE IT)</p> <p>4. Blockchain and Cryptocurrency Analysis (Mr. Vinay Vishwanath, AVP, Lab Systems.</p> <p>5. D modulation and simulation of nuclear reactor plant (Mr. Dinesh K. Maurya, Scientific Officer , BARC)</p> <p>2019-20: Implemented the Landing Page Website project for the Lab systems(Adwait, Ritvij, Yash, Akshay-TE IT).</p> <p>2020-21:Completed the consultancy project "Document Gathering App" for Ellipsis RBS, Mumbai and "Mobile App for Mutual funds" project for Ezytek Pvt. Ltd.</p> <p>6.Ridenet App project going on for Ridenet company.</p>
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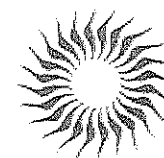
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	MOU	5	5	5	4	<p>1. Information Technology Department has signed MoU with Emtron Technologies Pvt. Ltd on 17/2/2018.</p> <p>2. Information Technology Department has signed MoU with Lab System (I)Pvt. Ltd- Pioneer in Digital Forensics in India, Mumbai on Apr 20, 2018.</p> <p>3. Information Technology Department has signed MoU with IoT Pro in 2017</p> <p>4. Information Technology Department has signed MoU with Ridenet Technolgy (I)Pvt. Ltd- 2021.</p> <p>5. Regional Telecom Training Centre, BSNL, Chinchwad , Pune in 2020</p>
	Expert session/seminars	18	11	11	22	Organised expert sessions to enrich the curriculum for the respective subjects.

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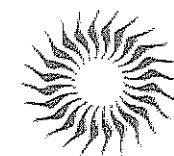
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	Short term courses	2	3	Nil	3	<p>Student development Programs conducted on various advance technologies such as Machine learning in R and Python, CCNA certification.</p> <p>Conducted workshop on cyber security and Ethical hacking on Dec 11, 2021.</p> <p>Conducted workshop on Latex Report Writing on March 23rd, 2022.</p> <p>Conducted workshop on Flutter on June 30th, 2022.</p>
	Value-added courses	2	3	1	1	<p>2 Programs were conducted in 2018-19 on Machine learning with R and Machine Learning with Python and 3 Programs were conducted in 2019-20 on CCNA, Skill development and Data mining and analytics, 1 Program conducted in Network security and</p>

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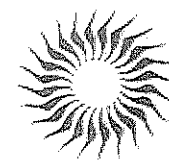
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						2020-21: 9 Papers published in UGC Journals 2021-22: 17 Paper published in UGC journals.
	Books written	Nil	Nil	3 (Book - 1, Book Chapters- 2)	2 <u>Research publication details 2021-22.xlsx</u>	2020-21 : 1. Dr. K. Lakshmisudha: published chapter in Book titled "Advances in Data Science and Information Engineering" 2. Ms. Leena Ladge published chapter in Book titled "Innovations in Computer Science and Engineering" 3. Ms. Stuti Ahuja published book titled "Change Detection in Satellite Images" in Lambert Publication 2021-22 1. Dr. K. Lakshmisudha: published chapter in Book Inventive Systems and Control. Lecture Notes in Networks and Systems, vol 436. Springer

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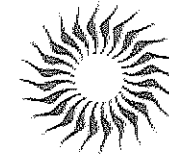
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						Management in 2020-21. 1 Program conducted on Full Stack Web Development in 2021-22.
	Training program for faculty	4	2	4	2 <u>STTP-2021-22</u>	2020-21: Organized ISTE Approved ONE WEEK STTP On "Recent Trends in Wireless Technologies" from 18/1/2021 to 23/1/2021. 2. Organized Orientation program on behalf of University of Mumbai for "Computer Organization & Architecture" and "Microprocessor Lab" of Semester IV on 10/2/2021 3. Organized seminar on "Data Visualization using Tableau" by Ms. Varsha Mali, Data Scientist, Great Learning on 24/10/2020. 4. Organized seminar on "Evolution of Software development processes" by Mr. Naresh Pradhan, Tata Consultancy Services on


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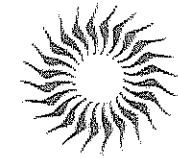
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						<p>12/12/2020. 2019-20: One-week STTP organized by the department on "DevOps and R Programming", organized an Orientation Program on "DevOps Lab" on 4th Jan 2020 at SIES GST, 2018-19: 1. Faculty Development Program was conducted on "Virtualization Overview- Vmware Vsphere 6.x" on August 14, 2018 by Mr. Imran Motani from Anunta Technology Management Services Ltd, Mumbai. 2. Organized one week AICTE-ISTE approved Self-Financed Short term training program on "Computer Networks and Security" from 15/11/2018 to 22/11/2018. 3. A Seminar on "Healthy Minds" was organized on 18 February 2019. Mr. Shriram Atri. 4. Faculty Development Program on "GEOInformatics and Related Open Source" was conducted on Jan10-Jan 12, 2019.</p>
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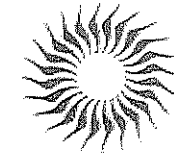
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						<p>5. IT department has organized a Faculty development Program on "Administration of Mongo DB and Overview of AWS" by Mr. Sreejith Sreedharan, Sr. Software Engineer, Oracle on 9th October 2021.</p> <p>6. Organized one week AICTE-ISTE approved Self-Financed Short term training program on "Data science and visualization tools" from 6/12/2021 to 11/12/2021.</p>
	Training by faculty	5	2	5	4 <u>WT and Sensor Lab Orientation Report.pdf</u>	<p>2021-22</p> <p>1. Dr. K. Lakshmisudha, Prof. Seema R and Prof. Stuti Ahuja had conducted Faculty Orientation program on "Wireless Technology & Sensor Lab" organized by Department of Information Technology, SIES GST in association with University of Mumbai on 7th January 2022.</p> <p>2. Prof. Leena Ladge was resource person for Faculty Orientation</p>

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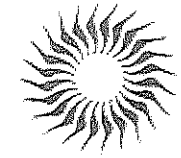
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					<p>program for the course "Computer Organization Architecture" (ECCDLO6012)- THIRD YEAR- SEM VI organized by A C Patil college of Engineering.</p> <p>2020-21:Dr. K.Lakshmisudha, Ms. Mrinal conducted Faculty orientation in July2020 and Ms. Leena Ladge, Ms. Bushra S conducted faculty orientation in February 2021 on behalf of University of Mumbai. Ms. Mrinal Khadse has conducted session in ISTE approved STTP on "Recent Trends in Wireless Technologies" from 18th Jan 2021 to 23rdJan 2021.</p> <p>2019-20:</p> <p>1.Prof. Leena V. Ladge conducted session in STTP on Internet of Things, at Terna Engineering College, Nerul on Jan 02, 2020.</p> <p>2. Prof. Lakshmisudha has Conducted Webinar on "How to measure attainment of Program Outcome (PO) and Course</p>
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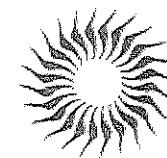
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					<p>Outcome (CO) from NAAC perspective"on May 15, 2020 for faculty and Principals of SIES Nerul and Sion college.</p> <p>2018-19:</p> <p>1.Dr. Vijay Katkar and Prof. Varsha Mali conducted session as a subject Expert Speaker for FDP on "Deep Learning using Python" from 19/12/2018 to 21/12/2018 at S. N. Patel Institute of Technology, UmrakhBardoli, and Gujarat(19th -21st Dec.2018)</p> <p>3. Prof. Leena Ladge has conducted orientation for IT faculty for the MEP & IOT mini project Lab at VIT, Mumbai on July 05, 2018.</p> <p>4. Prof. Lakshmisudha was also Resource person for one day on November 15 for AICTE-ISTE approved 6 days workshops on 'Computer Network and Security' organized by Department of IT from November 15-22, 2018, at SIESGST, Nerul.</p> <p>5. Prof. Lakshmisudha was Guest speaker for faculty orientation program for the revised syllabus</p>
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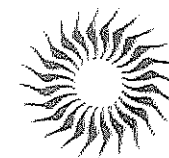
						2016 SE IT CBCGS organized By Terna Engineering College.
	Industry labs	Nil	Nil	Nil	Nil	Industry lab is not available in the academic year 2018-19 , 2019-20 , 2020-21 and 2021-22.

Goal 4

To strengthen alumni engagement and enhance the student experience

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
4.1	No. of students enroll for Certification/Diploma courses	41	62	27	66	2018-19: 13 students enrolled for Machine learning with R and 28 for Machine learning with Python. 2019-20: 20 students enrolled for Skill development, 31 enrolled for Data mining and analytics and 11 for CCNA

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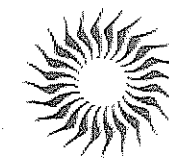
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						2020-21: 27 Students enrolled for Network Management and security Course. 2021-22: 66
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	Provided at college level.
4.3	No. of student participation in extracurricular activities	15	10	18	22	Students participated in National Level project competition, SIH, SPIT Hackathon, Avishkar Convention, Workshops, SDP's, Conferences etc.
	No of program organized by the institute	Inter department events-4	Inter department events-4	Inter department events-5 Intra department events-1	Inter department events-7 Intra department events-2	2021-22 ETE Students' Forum of SIES Graduate School of Technology has organized Panel Discussion - Entrepreneurship Development Workshop on Cybersecurity and Ethical Hacking Seminar on RoadMap to Higher Studies FE Induction - Introduction to IETE and Technical Paper Writing Ideation 22


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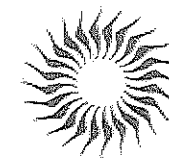
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						<p>LaTex Workshop Techxter 11.0 Projexions 4.0 Flutter Workshop</p> <p>2020-21:IETE Students' Forum of SIES Graduate School of Technology has organized TECHXTER 10.0, Poster Competition Projexions 3.0, Workshop on "GitHub", React JS Workshop, Boot Camp on Data Fueling the Future of Mankind., Ideation '20. 2019-20:IETE Students' Forum of SIES Graduate School of Technology has organized "TECHXTER 9.0", "Tech Entrepreneurship Talk", Boot Camp on Design Thinking and Data Science, "Ideation 19-Dream for a cause" 2018-19::IETE Students' Forum of SIES Graduate School of Technology has organized Mind spark, PROJEXIONS', Techxter 8.0, a National Level Technical Paper</p>
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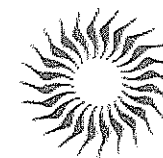
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						Presentation, Ideation, BOOT CAMP.
	No of award/ medals won by students	1	2	1	2	<p>2021-22: Ms.Arfa of BE IT is Winner of Squabble, national-level debate competition organized by IEEE SIESGST, TECHOPEDIA X, in March 2022.</p> <p>Mr. Aftaab Ahmed Sheikh and Ms. Arfa Upade of BE IT had developed a mobile app for a project titled 'Pothole Mapper for Safer India' won the 4th prize out of 40 finalists in the Anveshana Zone (mainly teams from Maharashtra & Gujarat state) Project Competition under the guidance of Prof. Bushra Shaikh, in March 2022.</p> <p>2020-21:Nithya Kannan Rahul Ganesh and Avantika Pawar students of BEIT won Best paper award on "Generation of New Apparel Designs Using StyleGAN2 ADA"at International E-Conference on "Advances in Information</p>

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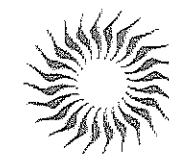
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						Technology and Research” ICAITR-2021 organised by Vidyalankar Institute of Technology, Wadala, Mumbai, on May 31-June 1, 2021.
4.4	No of activities undertaken	10	6	10	22	Various activities like expert talks, workshops are undertaken to strengthen alumni engagement and enhance the student experience.
	Awards and Recognition to students	1.	2	1	2	Nithya Kannan Rahul Ganesh and Avantika Pawar students of BEIT won Best paper award on “Generation of New Apparel Designs Using StyleGAN2 ADA”at International E-Conference on “Advances in Information Technology and Research” ICAITR-2021 organised by Vidyalankar Institute of Technology, Wadala, Mumbai, on May 31-June 1, 2021
4.5	Percentage of student placed	57%	55%	65%	85%	43 students placed out of 76 through campus in 2018-19, 42 placed out of 76 in 2019-20 and 51 placed out of 78 in 2020-21. 85%

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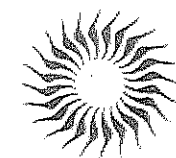
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						students placed in 2021-22
	Maximum salary	Rs. 5.5 LPA	Rs. 7 LPA	Rs. 27 LPA	10 LPA	Continuum offered 5.5 LPA in 2018-19 , Paysense offered 7 LPA in 2019-20 and JTP offered 27 LPA in 2020-21. Connectwise offered 10 LPA in 2021-22
	Median Salary	Rs. 3.5 LPA	Rs. 3.5 LPA	Rs. 3.6 LPA	4.5 LPA	
	No of skill development schemes to improve placement	2	3	1	1	To make students Industry ready, Student development Programs conducted on various advanced technologies such as Machine learning in R and Python, CCNA certification, Skill development and Data mining and analytics. Also conducted Full stack web Development with internship.
4.6	No of students pursuing higher studies	10	9	1	2	10 students got admission for higher studies in 2018-19, 9 in 2019-20 and 1 in 2020-21 (5 more in Progress) 2 Students got admission in 2021-22 and Many are in process.

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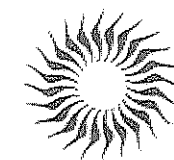
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	Initiatives taken to assist students for higher studies	Conducted higher studies awareness seminar for final year students and conducted GATE coaching classes	--	Conducted higher studies awareness seminar for third year students at Institute level	GATE Coaching	Department faculty members Conducted higher studies awareness seminars for final year students and conducted GATE coaching classes for GATE appearing students in 2018-19 and Institute level seminar is conducted in 2020-21. conducted GATE coaching classes for GATE appearing students in 2021-22
4.7	Mentor Mentee interactions	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly https://drive.google.com/drive/folders/1NihGYMqAF2dgIG_fPiRm4L0qFyBZ5rQd?usp=s_hare_link https://drive.google.com/drive/folders/1Qxj4RyEUXvJa56LfWFK0sSFkKBqIRbz?usp=s_hare_link	Every assigned mentor interacts with the mentee at least once in a month to know the status of students' activities, and to discuss their problems.

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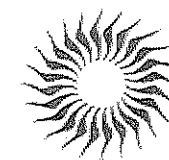
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4.8	Online student portal for academic and non-academic activities	Developed by students known as Portal Companion	Developed by students known as Portal Companion	Developed by students known as Portal Companion	Developed by students known as Portal Companion	Implemented at college level
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	Provided	Professional counsellor is available in the campus to counsell students. Also provides emergency medical services.
4.10	Promote alumni networking with students	Conducted Regularly	Conducted Regularly	Not Conducted	conducted	<p>Due to pandemic Alumni interaction could not be conducted at college level. However department have a practice to arrange expert talks from alumni working in industry</p> <p>Alumni interaction was conducted for students on 4th January 2019.</p> <p>Alumni interaction was conducted for students on 6th January 2020.</p> <p>Alumni interaction was conducted for students on 9th July 2022.</p>

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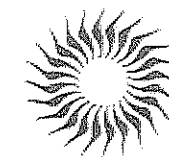
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	Alumni association and measures to enhance members	Alumni association exists and following are the measures taken:	Alumni association exists and following are the measures taken:	Alumni association exists and following are the measures taken:	Alumni association exists and following are the measures taken	Following Alumni are involved in the Department Advisory Board for Academic year 2018-19 and 2019-20, 2020-21 and 2021-22. Mr. Vinay Vishwanath (VP, Lab Systems, Mumbai, 2011 batch) Mr. Karan Kapoor, (Business Development Associate, Autonxt Automation 2015 Batch)
	Alumni contribution	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni contribution as training, interaction, judging, monetary, etc.	Ms. Sonia Koneti, Business Analyst, Suryoday - The Small Finance Bank, Ms. Prajakta Harihar Zaavde, LTI - Associate Software Engineer were judges for event Ideation in December 2020. Alumni Ritu Desai and Subramni were judges for event Ideation in March 2019. Alumni Vishal Dubey, Karan Kapoor and Shivam Limaye were judges for event Ideation in October 2021.

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						Expert talk is conducted by many alumni for academic Year 2018-19, 2019-20 , 2020-21 and 2021-22
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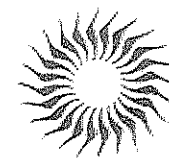
Goal 5

To enhance contribution towards society and the environment

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	NIL	03	NIL	15	In 2018-19: no subject courses that address gender bias, environment and sustainability issues have been selected In 2019-20: BE students have selected environment management as elective subject that address environment and sustainability issues. In 2020-21: BE students have selected environment management as elective subject that address environment and sustainability issues.

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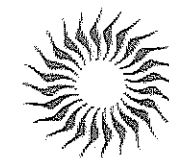
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						In 2021-22; BE students have selected environment management as elective subject that address environment and sustainability issues.
5.2	Number of projects relevant to society to provide solutions	3	2	5	4	In 2020-2021: five projects were developed to provide solutions to society. In 2021-2022: four projects were developed to provide solutions to society.
5.3	Number of green campus initiatives & waste management.	Enter Number	Enter Number	Enter Number	Enter Number	Implemented at college level.
5.4	Number social initiatives contributing	Enter Number	Enter Number	Enter Number	Enter Number	Implemented at college level.

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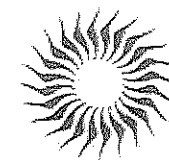
	towards local community					
5.5	Measures to improve waste disposal and e-waste collection	Enter the various measures taken:	Enter the various measures taken:	Enter the various measures taken:	Enter the various measures taken:	Implemented at college level.

Goal 6

To initiate new courses at UG and PG level

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
6.1	Complete accreditation process	NAAC Accreditation Process completed with B++	NBA Accreditation to be completed	NBA Accreditation completed and got accredited for three years. NAAC Accreditation to be completed	PG (Information Security)started in the year 2021-22.	Two PG Courses and Three UG courses were added from year 2021-22.

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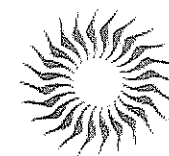
Goal 7

**To formulate development plans to improve the overall quality of the
Institute**

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	Participated	At college level
7.2	IQAC Meetings	Enter Number of meetings	Enter Number of meetings	Enter Number of meetings	Enter Number of meetings	At college level
7.3	Add / Update the organizational standard operating processes	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made	At college level

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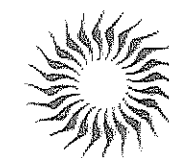
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7.4	Internal and External audits	External Audit-1 Internal Audits-2	External Audit-1	External Audit-1 Internal Audit-1	External Audit-1 <u>External Audit Report SH2021.pdf</u>	External Academic audit conducted for SH2021 and FH 2020 by Dr. M.M. Chandane on 15/01/22. Internal Audit was conducted for SH20 and FH 2021 on 7/10/2021 by Dr. Deepti Reddy. External Academic audit conducted for FH2020 and SH 2020 by Dr. M.M. Chandane on 12/01/21. External audit conducted on 17/6/2019 for SH 2018, FH 2019 and SH 2019 by Dr. Sachin Bojewar. Internal Audits were conducted on December 1, 2018 by Prof. Sumitra P and July 4, 2019 by Dr. Manasi K
7.5	Participation of staff in training programmes	19	57	119	21 <u>Annual Report IT dept website 2021-22 updated.docx</u>	Department is maintaining an annual report containing detailed information.
7.6	Organization of STTPs/ FDPs/ training	4	2	STTP -1 FDP-3	STTP- 1 FDP-1 <u>STTP-2021-22</u>	In 2020-21 following training program organised FDP on "Data Visualization using Tableau" on 24/10/2020

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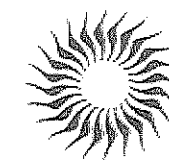
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	within Institute					<p>Faculty Development Program on "Software Development Processes" on 12/12/2020</p> <p>ISTE Approved ONE WEEK STTP On "Recent Trends in Wireless Technologies" on 18/01/2021 -23/01/2021</p> <p>Orientation of COA on 10/02/2021</p> <p>ONE WEEK STTP On "Data Science and Use of Visualization Tools" from 06/12/2021 to 11/12/2021.</p> <p>Faculty development Program on "Administration of Mongo DB and Overview of AWS" on 09/10/2021.</p> <p>Faculty Orientation Programme of Wireless Technology & Sensor Lab(R-19)- SEM VI</p>
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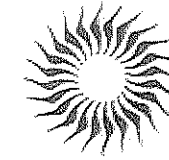
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						Online Workshop on Do's and Don'ts on Research Writing & Technical Publication-on 6th,13th, 19th, 27th February 2022
7.7	Strengthening library & Increasing learning resources	List the measures taken	List the measures taken	List the measures taken	List the measures taken	At college level
7.8	Maintenance of Infrastructure	Yes	Yes	Yes	Yes	Yes
7.9	Regular updation of new lab equipment	Yes	Yes	Yes	Yes	Yes
7.10	Development of new	No	No	No	No	No

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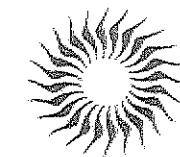
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	infrastructu re					
7.11	No of faculty acquiring PhD	1	1	1	1	1
7.12	Awards and Recognition s to Institute	Nil	Nil	Nil	Nil	Nil
7.13	Awards and Recognition to faculty		1	2	1	Dr. Lakshmisudha has been selected as Moderation committee member for CE/IT Result of University of Mumbai.(SH2021 , FH 2021 and FH 2022). Dr.Lakshmisudha has been selected as Moderation committee member for CE/IT Result of University of Mumbai.(SH2020 and FH 2020)

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						2. Ms. Leena Ladge is an executive member of IETE Navi Mumbai centre.
7.14	Stakeholder feedback mechanism	Yes	Yes	Yes	Yes	At college level
7.15	Green Initiatives taken & Policies for same	Yes	Yes	Yes	Yes	At college level

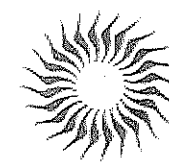
Goal No	Description	Remarks:
1	To enrich Curriculum	We are organizing Student development programs at department level and also conducted value added courses. We need to focus on Certification programs.
2	To incorporate a digital platform to improve the teaching-learning process	We are using Juno ERP for academic related activities.

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3	To encourage research and consultancy, industry-institute interaction and entrepreneurship activities	Industry lab is not available in the academic year 2018-19 , 2019-20 and 2020-21. We are trying to collaborate with industry to have the lab. To improve the research activities in the department the following objectives were set for 2022-23 at department level. Objective 1: All the final year projects to include Industry Reviewer to improve the quality of the projects as per Industry standards. Objective 2: Department should complete at least one Live /Consultancy project. Objective 3: To encourage Entrepreneurship development, department should conduct at least two activities. Objective 4: All the faculty should arrange expert talk/ seminar/ workshop from the Industry expert.
4	To strengthen alumni engagement and enhance the student experience.	We are conducting regularly alumni interaction sessions for students to improve placements. Also to bridge the gap between industry and curriculum, we have set an objective at department to arrange one expert talk by the faculty from the Alumni in the year 2020-21 and every year arranging expert talks/seminars/workshops to bridge the gap between Industry and academics. Involving Alumni for the same.
5	To enhance contribution towards society and the environment	Activities were conducted at college level.
6	To initiate new courses at UG and PG level	One PG course "ME (Information Technology in Information Security)" is introduced in 2021-22 academic year.
7	To formulate development plans to improve the overall quality of the Institute	We need to focus on faculty awards and informed the faculty to focus on the same.

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EXTC Department

Deployment for AY 2018-19 ,2019-20 , 2020-21 and 2021-22

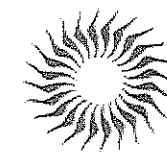
Compliance report for the academic year 2018-19, 2019-20, 2020-21 and 2021-22 with respect to Strategic Plan 2018-2025

Goal 1	To enrich curriculum
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S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
1.1	Department Advisory board	One meeting conducted	One meeting conducted	One meeting conducted Jan 27,2021	One meeting conducted 16 Feb 2022	To be conducted at least once a year.



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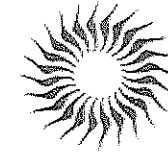
		Oct 20,2018 DAB meeting conducted. <u>Agenda of Meeting_20_10_2018</u>	Oct 19,2019 DAB meeting conducted. <u>Agenda_of meeting 19_10_2019</u>	DAB meeting conducted. <u>Agenda DAB_27.01.2 1</u>	DAB meeting conducted <u>Agenda for DAB 16Feb2022.docx</u>	
1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	Done	Done	Done	To be done for every batch at the beginning of the academic year.

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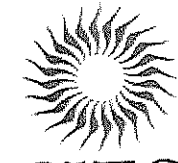
1.3	Academic-Activity Calendar	Prepared	Prepared	Prepared	Prepared	Prepared in the beginning of every semester.
1.4	To enhance curriculum delivery beyond syllabus activities	Conducted	Conducted	Conducted	Conducted	Some activities are conducted like poster presentations, Simulations, Seminars, Case studies etc.
	Industrial Visits	2	4	--	--	Students will get experiential learning by IV to understand different electronics and communication concepts
	Guest lectures	4	-	1	6	To enhance the knowledge related to subject

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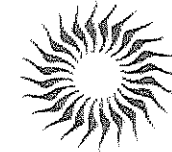
	Internships	74	62(industry internships) +143(SDPs)	55(industry internship) + 53 (SDP)	65(SDP), 58(Industry)	Students take up internship in the vacation
	Problem-Based Learning	Implemented	Implemented	Implemented	Implemented	Students will learn the concepts with the help of problem based learning using Case study as well as final year projects.
	Certificate programs	1	6	3	4	Students undergo different certificate programs during summer and winter vacations as per their area of interest.
	Student Seminars	9	4	17	14	Different seminars are organized for students to update the current technology as well as for skill developments

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1.5	To offer industry-oriented certification courses/projects	Offered	Offered	Offered	Offered	
	MOOCs	6(NPTEL)	7(NPTEL)+200(Courseera and UDEMY)	86(courseera)		NPTEL, Courseera, UdeMy
	Value Added Courses	1	0	2	4	
	Industry Projects	0	0	2	2	
	Expert talks	9	11	1	6	

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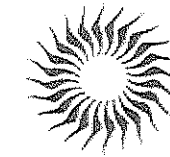
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1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Implemented	implemented every academic years based on the course / batch requirements. For example TPS, Flipped classroom, Project based learning, Peer Instruction, simulations, Poster/paper presentation etc.
1.7	Result Improvement	<p>Compared to 2017-18:</p> <p>17-18 18-19. -/+%</p> <p>SE: 73.94 65.25 -8.69%</p>	<p>Compared to 2018-19:</p> <p>18-19 19-20 +/-%</p> <p>SE: 65.25 100 +34.75%</p> <p>TE: 68.97 100 +31.03%</p>	<p>Compared to 2019-20:</p> <p>19-20 20-21 +/-%</p> <p>SE: 100 94.53 -5.47%</p> <p>TE: 100 100 +0%</p>	<p>Compared to 2020-21:</p> <p>20-21 21-22 +/- %</p> <p>SE: 94.53 78 -16.53%</p> <p>TE: 100 83 -17%</p>	<p>Result is improving.Final year result 19-20 yet to come.</p> <p>In the year 18-19 Second year result was less as diploma students admission was late and they found difficulties in some of the subjects.</p>

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		TE: 74.10 68.97 -5.13% BE: 96.38 90.61 -5.77%	BE: 90.61 99.28 8.68%	BE: 99.28 100 +0.72%	BE: 100 96.71 -3.29%	
	Remedial session	Conducted	Conducted	Conducted	Conducted	All the faculty of the department conduct remedial session
	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted	Conducted for all six subjects
	Preliminary Exam	Not conducted	Not conducted	Not conducted	Conducted	Shall be conducted based on the course / batch requirements

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	Additional practice assignment	Conducted	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	Conducted	
1.8	Academic Audit	Conducted on 25/05/2019 for the AY 2017-18 by Dr. S. S. Rathod, SPIT, Andheri	Conducted on 28/11/2019 for the AY 2018-19 by Dr. D. V. Bhoir, Fr. Conceicao Rodrigues College of Engineering,	1. 22/1/2021 for the AY 2019-20, 2. Conducted on 5/2/2021 for the SH2020 by Dr. Bindu S, Fr. C. Rodrigues Institute of Technology, Vashi	10/01/2022 for FH2021 and SH2021 By Dr. R. K. Kulkarni, VESIT, Chembur https://siescms-my.sharepoint.com/:b:/g/personal/hodextc_sies_edu_in/EerzTeSgXK1CnvyZ76ASZ67ABuugROYVUGz0xAYWvWs4tHw?e=i1AusV	To be conducted at least once a year


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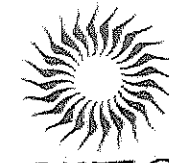
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	Course file	Yes	Yes	yes	yes	Course files are prepared for every subject.
	Faculty file	Yes	Yes	yes	yes	Handbook is maintained every semester
	Feedback	Yes	Yes	yes	yes	Conducted at least twice a year.

Goal 2

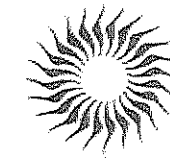
To incorporate a digital platform to improve the teaching-learning process

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S.N o	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	Developed	Developed	conducted based on the course / batch requirements
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	Done	
	Development of e-content	Yes	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	Yes	yes	

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2.2	Transparency in continuous evaluation	Yes	Yes	Yes	yes	The solution key shared is with students after the exam and the paper evaluation is discussed in the class.
2.3	Attendance Monitoring systems	Yes	Yes	Yes	yes	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Yes	Yes	Yes	yes	Centrally made available

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Goal 3

To encourage research and consultancy, industry-institute interaction and entrepreneurship activities

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
3.1	To strengthen research activities in the institute	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Seminar on technical paper writing was conducted for BE students.	Activities have been conducted to strengthen research activities.	Project guide mentored their project groups in identifying conference, Journal for publication and helped them in understanding similarity check /Plagiarism check using Urkund software.



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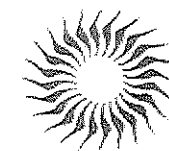
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	Research conference and research symposium /STTP	1.Conferences attended(4) 2. No. of Faculty members attended STTP - 13 FDP - 4 Workshop - 7	1. conferences attended(8) 2. No. of Faculty members attended STTP - 6	1. Conferences attended 2. No. of Faculty members attended STTP - 17 FDP 1. Use of Games and simulation in teaching- 17 2. Internet of Things- 17 3. Augmented reality: Applications and development platforms- 17	STTP ISTE Approved One Week STTP on "Data Science and Use of Visualization Tools"- 60	AY 2018-19 - STTP on Neural Network and Deep Learning using TensorFlow AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing AY 2019-20 - FDP on Geoinformatics and Related Open Source Technology AY 2019-20 - One day workshop on 'Scilab' organized by IIT bombay coordinated by EXTC Department (online) AY 2020-21 STTP on Recent Trends in wireless Technologies
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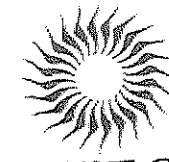
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	research proposals					
	Number of research papers in conferences	4	8	7	6	
	Number of research papers in journal	papers in UGC Journals:12 All Journals:-14	papers in UGC Journals:2 All Journals:-8	papers in UGC Journals:15 All Journals:-28	14	
	Books written	Nil	Nil	Nil	Nil	

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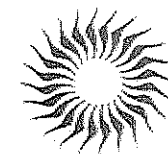
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3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/startup Activities	E – Cell is functional	MHRD – Institute Innovation Cell initiated.	Activities are conducted at institute level. Guest lecture for IPR under R&D	Activities are conducted at institute level.	
3.3	Partnership between industry/ reputed organizations/	Good partnerships established	Excellent Partnerships established	Partnerships through MoUs and DABs	Partnerships through MoUs and DABs	


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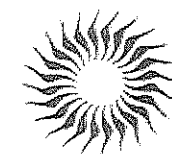
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	Internships	74	62	55 (industry) +53 (SDP)	65(SDP), 58(Industry)	Students take up internship in the vacation
	Consultancy work	--	--	--	--	
	Industry projects	0	0	2	2	
	MOU	2	0	3	1-Maven silicon 2. Electronic Enterprises (India) Private Limited.	
	Expert session/seminars	2	0	2	5(dept)	


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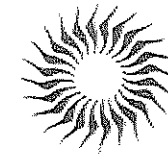
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	Short term courses	2	1	1	1	AY 2018-19 - STTP on Neural Network and Deep Learning using TensorFlow AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing AY 2019-20 - FDP on Geoinformatics and Related Open Source Technology AY 2021-22 STTP on "Data Science and Use of Visualization Tools"
	Value-added courses	1	0	0	0	SIT conducted by Eduvance, 34 students attended

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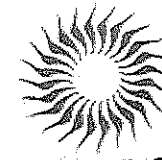
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	Training program for faculty	3	1	3	1	<p>AY 2018-19 - STTP on Neural Network and Deep Learning using TensorFlow</p> <p>AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing</p> <p>AY 2019-20 - FDP on Geoinformatics and Related Open Source Technology</p> <p>AY 2019-20 - One day workshop on 'Scilab' organized by IIT bombay coordinated by EXTC Department (online)</p> <p>AY 2021-22</p> <p>STTP on "Data Science and Use of Visualization Tools</p>
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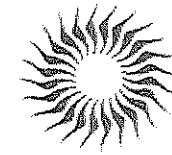
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	Training by faculty	1	Enter Number -2	1	1	<p>AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing, Speakers - Prof. Shishir Jagtap and Vandana Sawant.</p> <p>AY2018-19 - Orientation Program on Course File, Handbook, Personal File and Mentor-Mentee Scheme. Speaker - Prof. Biju Balakrishnan</p> <p>AY 2021-22</p> <p>Faculty Orientation Program on Digital Communication theory and Lab by Biju Balakrishnan- 85 faculties</p>
	Industry labs	--	--	--	--	

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Goal 4

To strengthen alumni engagement and enhance the student experience

S.N o	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
4.1	No. of students enroll for Certification/Diploma courses	34	181	134	65 (SDP)	SDP/internship attended by the students



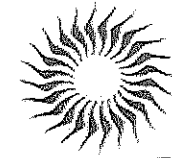
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4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	2002	2056	2003	3521	These numbers are excluding sports and cultural activities.
	No of program organized by the institute	5(SDP)+11 (workshop) = 16	7(SDP)+10(workshop)=17	3 (SDP) + 2 (Workshop) =5	4(SDP)+ 5 (Workshop) + 1 (Symposium) =10	
	No of award/ medals won by students	11(intercollegiate) + 21(department) =33	32 (intercollegiate)+ 30(dept) = 62	23 (intercollegiate)+ 2 (dept) = 25	61(sports and cultural)	

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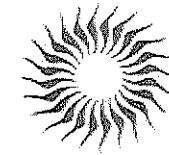
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4.4	No of activities undertaken	38	43	30	39	
	Awards and Recognition to students	21(dept)	30(dept)	18	4(IEEE awards to students)	<ul style="list-style-type: none">❖IEEE Regional Exemplary Student Branch Award 2020❖IEEE Regional Exemplary Student Branch Award 2021❖Darrel Chong Student Activity award 2021❖Winner of Got Talent at IEEE all India Congress 2021 at Kochi, Kerala
4.5	Percentage of student placed	54.36	42.62	26.27	90.15	

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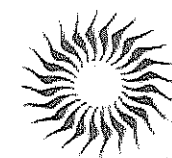
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	Maximum salary	Rs.10 lpa	Rs.5.5 lpa	Rs 6.6 lpa	7.5 lpa	
	Median Salary	Rs. 2.8	Rs.3.6 lpa	3.6 lpa	5 lpa	
	No of skill development schemes to improve placement	05	05	01	01	
4.6	No of students pursuing higher studies	08	10	04	Students in process of taking admission	
	Initiatives taken to assist students for higher studies	Seminars on competitive exams, career guidance ,	Seminars on competitive exams, career guidance , GRE-TOEFL	Seminars on competitive exams, career guidance , GRE-TOEFL	Seminars on competitive exams, career guidance , GRE-TOEFL	

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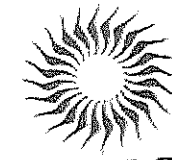
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		GRE-TOE FL				
4.7	Mentor Mentee interactions	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	Mentors are assigned for a batch of around 20 students
4.8	Online student portal for academic and non-academic activities	Developed by students known as Portal Companion	Developed by students known as Portal Companion	Developed by students known as Portal Companion	Developed by students known as Portal Companion	At institute level
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	Provided	At institute level

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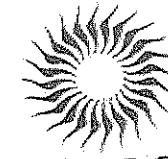
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4.10	Promote alumni networking with students	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	2018-19: Alumni Reconnect on 05/01/2019 2019-20: Alumni Reconnect on 04/01/2020 2021-22: Alumni Reconnect on 09/07/2022
	Alumni association and measures to enhance members	Alumni association exists and following are the measures taken: 1. Alumni portal 2. Facebook page	Alumni association exists and following are the measures taken: 1. Alumni portal 2. Facebook page 3: DAB member	Alumni association exists and following are the measures taken: 1. Alumni portal 2. Facebook page 3: DAB member	Alumni association exists and following are the measures taken: 1. Alumni portal 2. Facebook page 3: DAB member 4. Invited talks	Alumni association exists and following are the measures taken: 1. Alumni portal 2. Facebook page 3: DAB member 4. Invited talks

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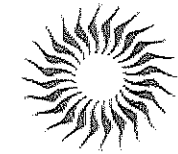
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		3: DAB member 4. Invited talks	4. Invited talks	4. Invited talks		
	Alumni contribution	2018-19: Alumni talk on "Life after Engineering & How to Select project for BE" on 2nd April 2019 by Ameya Kale.	2019-20: Alumni talk on "Data Analytics & Machine Learning" on 19 September 2019 by A. Shyam	2020-21: Live with Alumni after Graduation: Aditi Kulkarni 18/7/2020 Nivedita Deshpande 10/10/2020 Aman Rajput 16/10/2020	2021-22: Alumni-student Interaction Unnati Wadkar And Rahul Sheshadri on 09/07/2022	


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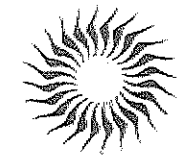
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				Bridge the gap		
				Aakansha Kohli		
				7/3/2021		
				Shreya Pattar		
				14/3/2021		
				Mohini Jodhpurkar		
				28/3/2021		
				Vipul Varkar		
				27/6/2021		

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Goal 5


To enhance contribution towards society and the environment

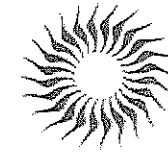
S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
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5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	Nil	Disaster Management and Mitigation Measures - 25 students	27	EVM=26 DMM=8	Sem VIII elective EVM (R-2016) Sem VIII ILO –EVM-FH2021 Sem VII elective DMM – Sh 2020
5.2	Number of projects relevant to society to provide solutions	28	30	30	32	final year Major project had objective towards providing solution to the societal problems
5.3	Number of green campus initiatives & waste management.	3	1	2	1	2018-19 : e-journal submission, car pooling 2019-20 : reduction in use of plastic water bottles and tiffins ,E-documentation


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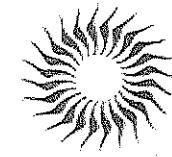
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5.4	Number social initiatives contributing towards local community	5	6	2	0	
5.5	Measures to improve waste disposal and e-waste collection	1. Dustbin making activity 2. E-waste management seminar 3. Compost filtering	----	--	--	

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Goal 6

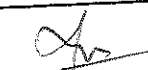
To initiate new courses at UG and PG level

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
6.1	Complete accreditation process	NAAC Accreditation Process completed with B++	NBA Accreditation to be completed	NBA Accreditation from 1-7-2021 to 30-6-2024	nil	

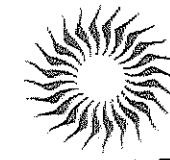
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Goal 7 To formulate development plans to improve the overall quality of the Institute

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	Participated	
7.2	IQAC Meetings	2	4	2	4	



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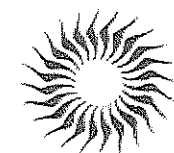
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7.3	Add / Update the organizational standard operating processes	provided at institute level	provided at institute level	provided at institute level	provided at institute level	
7.4	Internal and External audits	External Audit for AY 2017-18 on 20/5/2019 Internal Audit for SH2018 on 11/4/2019	External Audit for AY 2018-19 on 28/11/2019 Internal Audit for FH2019 on 28/9/2019	External Audit for SH2020 on 05/02/2021 and for AY2019-20 on 22/1/2021 Internal Audit for SH2020 on 01/01/2021		
7.5	Participation of staff in	63	129	97	57	Provided under criteria 6.3.4

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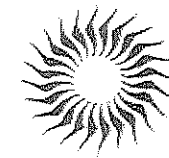
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	training programmes					
7.6	Organization of STTPs/ FDPs/ training within Institute	8	2	3 (FDP) + 1 (STTP)	1 STTP	
7.7	Strengthening library & Increasing learning resources	Faculty are sharing notes, books, video recordings, assignments, university Q papers through	Faculty are sharing notes, books, video recordings, assignments, university Q papers through Google classroom	Faculty are sharing notes, books, video recordings, assignments, university Q papers through Google classroom	Faculty are sharing notes, books, video recordings, assignments, university Q papers through Office Teams	Learning Resources

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		Google classroom				
7.8	Maintenance of Infrastructure	Yes	Yes	yes	yes	Done as per requirement
7.9	Regular upadation of new lab equipment	Yes	Yes	yes	yes	Lab equipments are purchased according to the requirements of the syllabus and all lab deadstock registers are updated.
7.10	Development of new infrastructure	No	No	No	No	Mention the new infrastructure in brief
7.11	No of faculty acquiring PhD	1 completed .	2 completed 7 pursuing	7 pursuing	8 pursuing	18-19 Preeti Hemnani completed 19-20 shubhangi K , Shishir J completed PhD

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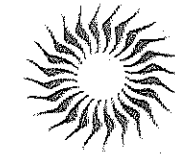
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		5 pursuing				
7.12	Awards and Recognitions to Institute	1	Na	2	2	Received IEEE Exemplary student branch award for 2020, 2021 and 2022. Received IEEE Darrel Chong award for the best event conducted.
7.13	Awards and Recognition to faculty	na	na	na	na	Mention some notable achievements
7.14	Stake holder feedback mechanism	Yes	Yes	yes	yes	
7.15	Green Initiatives taken &	yes	yes	yes	yes	

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	Policies for same					
Department level objectives	<p>1.To take up atleast 1 consultancy project with industry.</p> <p>2.To increase no. of MOU's with industry to improve internship /BE projects.</p> <p>3.To create atleast 1 MOOC course in all 4 quadrants.</p>					

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PPT Department

Deployment for AY 2021-22

Compliance report for the academic year 2018-19, 2019-20, 2020-21 and 2021-22 with respect to Strategic Plan 2018-2025

Goal 1

To enrich curriculum

To sustain in the current competitive environment, it is immensely important to impart high-quality education. Thus, it is essential to bring rigor to academic processes. The first step towards the same is to strengthen the planning of academic and administrative activities throughout the academic year.

1.1 Department Advisory board The institute aims at Creating specialized clusters in the technical domain to ensure curriculum enrichment by identifying gaps and accordingly, designing various beyond syllabus activities for strengthening the Academic Administration.

1.2 Development of Course Objective and Course Outcomes to foster Outcome-Based learning To make the teaching-learning process more effective it is essential to define the course objectives and specific course outcomes for undergraduate courses. Thus, all courses are designed with a view of Outcome-Based Learning (OBE).

1.3 Preparation of the Academic-Activity Calendar, a planning document for students, faculty, staff, and departments for each semester

1.4 To enhance curriculum delivery beyond syllabus activities: 1. Industrial Visits 2. Guest lectures 3. Internships 4. Problem-Based Learning 5. Certificate programs 6. Student Seminars

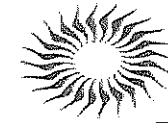
1.5 To offer industry-oriented certification courses/projects 1. MOOCs 2. Value Added Courses STRATEGIC PLAN 2018-2025 3. Industry Projects 4. Expert talks

1.6 Innovative teaching methods 1. Experiential learning, Innovative assignments, TPS

1.7 Result Improvement Analyzing student results to design teaching methods to address the student needs to improve their performance at the end term exam



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S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
1.1	Department Advisory board	One meeting conducted	One meeting conducted	One meeting conducted	-	
1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	Done	Done	Done	To be done for every batch at the beginning of the academic year.
1.3	Academic-Activity Calendar	Prepared	Prepared	Prepared	Prepared	Prepared in the beginning of every semester.
1.4	To enhance curriculum delivery beyond syllabus activities	Conducted	Conducted	Conducted	Conducted	
	Industrial Visits	8	9		2	
	Guest lectures	5	2	2	-	


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	Internships	70	54	74	61	
	Problem-Based Learning	Implemented	Implemented	Implemented	Implemented	
	Certificate programs	Enter number	Enter number		1	
	Student Seminars	--	12	20	20	as part of mini-projects
1.5	To offer industry-oriented certification courses/projects	Offered	Offered	Offered	offered	
	MOOCs					To be collected centrally
	Value Added Courses	Enter number	1	1	1	
	Industry Projects	25	27	30	45	
	Expert talks	5	2	1		
1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Implemented	Shall be implemented every academic years based on the course / batch requirements.

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						Active Learning Strategies & Problem based learning
1.7	Result Improvement	Compared to 2017-18: 17-18 18-19. +/- SE: 90 95 +5% TE: 95 93 -2% BE: 80 90 +10%	Compared to 2018-19: 18-19 19-20 +/- SE: 90 95 +5% TE: 95 93 -2% BE: 80 90 +10%	100 % result	100 % result	
	Remedial session	Conducted	Conducted	Conducted	Conducted	Wherever required.
	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted	
	Preliminary Exam	Not conducted	Not conducted	Not conducted	Not Conducted	Conducted based on the course / batch requirements
	Additional practice assignment	Conducted	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	Conducted	

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1.8	Academic Audit	Conducted.	Conducted	Conducted	Conducted	To be conducted at least once a year
	Course file	Yes	Yes	Yes	Yes	
	Faculty file	Yes	Yes	Yes	Yes	
	Feedback	Yes	Yes	Yes	Yes	Conducted at least twice a year.

Goal 2**To incorporate a digital platform to improve the teaching-learning process**

Institute has a well-planned teaching-learning process and has a robust methodology for rolling out the process. The institute believes in quality teaching. Content delivery and dissemination methods are continuously updated to make teaching-learning more prolific.

2.1 To develop innovative teaching, learning, and assessment methods

1. Use ICT for effective teaching with E-Learning resources.
2. Content delivery- traditional teaching methods be supplemented with lecture management through digital platform methods (e-content / e assignments/ ppts etc.)
3. Recording of lectures and making it available digitally.


2.2 Transparency in continuous evaluation

2.3 Attendance Monitoring systems

2.4 Online student portal for academic and non-academic activities

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S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	Developed	Developed	conducted based on the course / batch requirements
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	Done	
	Development of e-content	Yes	Yes	Yes	YES	
	Recording of lectures and making it available digitally	No	Yes	Yes		
2.2	Transparency in continuous evaluation	Yes	Yes	Yes	YES	The solution key shared is with students after the exam and the paper


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						evaluation is discussed in the class.
2.3	Attendance Monitoring systems	Yes	Yes	Yes	YES	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Library automation consists of:	Library automation consists of:			Centrally made available

Goal 3**To encourage research and consultancy, industry-institute interaction and entrepreneurship activities**

The industry-Institute Interactions make the teaching and research more relevant. The institute aims to create collaborations with industry in terms of consultancy, sponsored research projects, technology transfer, etc. Following actions/ activities shall be planned by the institute to encourage

Research & consultancy, Industry Institute Interaction and Entrepreneurship activities.


3.1 To strengthen research activities in the institute

- Organizing a research conference and research symposium every alternate year
- Sponsorship to faculty to encourage participation in research activities on and off-campus
- Developing the sponsored research through minor research proposals

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- 3.2 To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell/ IPR/preincubation/startup Activities
- 3.3 Establish a productive partnership between industry/ reputed organizations/ academic institutes for consultancy and internships
- To develop the short-term courses/ value-added courses in association with senior industry personnel
 - To enhance the interface with industry and institutes of repute
 - Expert lectures/ seminars

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
3.1	To strengthen research activities in the institute	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	-	
	Research conference and research symposium /STTP	2	8	1	-	
	Sponsorship to faculty to encourage participation in research activities on and off-campus	Nil	1 faculty provided registration fees for 1 week STTP on 3D Printing		-	


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	Sponsored research through research proposals	Nil	Nil	Nil	Nil	
	Number of research papers in conferences	Nil	Nil	Nil	Nil	
	Number of research papers in journal	Nil	Nil	Nil	Nil	
	Books written	Nil	Nil	Nil	Nil	
3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/startup Activities	E - Cell is functional	MHRD - Institute Innovation Cell initiated.	MHRD - Institute Innovation Cell initiated.	MHRD - Institute Innovation Cell initiated.	

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3.3	Partnership between industry/ reputed organizations/	Excellent Partnerships established	Excellent Partnerships established	Excellent Partnerships established	Excellent Partnerships established	
	Internships	71	51	74	61	
	Consultancy work	Enter Number: 1 Projects worth: Rs. 30,000/-	Enter Number: 2 Projects worth: Rs. 85,000/-			
	Industry projects	42	25	45	45	Student industry projects with faculty guidance
	MOU	5	6		-	
	Expert session/seminars	7	7		-	
	Short term courses	Nil	Nil	Nil	-	
	Value-added courses	1	1		1	
	Training program for faculty	6	5		-	

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	Training by faculty	3	2		-	
	Industry labs	Nil	Nil		-	

Goal 4

To strengthen alumni engagement and enhance the student experience


To enhance the experience of students on campus the holistic development of students is essential. To facilitate the same institute shall encourage the co-curricular and extra-curricular activities on campus. Alumni is one of the key stakeholders of the institute. The feedback received from the alumni is vital for the progression and growth of the institute. Institute has Alumni committee in place to manage alumni interactions. Following actions/ activities shall be planned by the institute to enhance student experience and strengthen alumni engagement:

- 4.1 Ensure value addition through quality teaching and learning
- 4.2 Enhance facilities for recreation, and sports on campus
- 4.3 Participation of students in various competitions organized at Institute, State or National level
- 4.4 Strengthen professional chapters

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- 4.5 Improve the number of students placed
- 4.6 Provide schemes to encourage higher studies
- 4.7 Mentor mentee scheme
- 4.8 Online student portal for academic and non-academic activities
- 4.9 Professional Counselling and emergency medical service to the students on campus
- 4.10 Promoting alumni networking with students -
- Get inputs from Alumni on planning the co-curricular activities to mitigate the gap between industry and academic
 - Inviting alumni for the Guest Lectures, conducting workshops, judges for competitions, viva panelists etc.
- 4.11 Student feedback on resources and infrastructure

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
4.1	No. of students enroll for Certification/Diplo ma courses	18	Over 100 students enrolled for online certificate courses through coursera, lnkedln, alison, etc.during pandemic	Over 100 students enrolled for online certificate courses through coursera, lnkedln, alison, etc.during pandemic		
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	55	30	25	15	

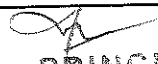

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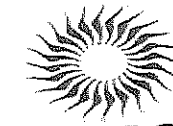
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	No of program organized by the institute	8	8	5		
	No of award/ medals won by students	0	1 Sriganesh Sankar & Abdul Basit from BE-PPT won the first prize (Rs.25,000/-) in P-Pack 2019 National Level Technical Quiz		-	
4.4	No of activities undertaken	12	8		1	
	Awards and Recognition to students	5 Mr. Sanjeev Srinivasan, student from 2018 PPT batch won the coveted student of the year award 2018, on November 29, 2018 conducted by Printweek India Magazine at St.	8 TEPPT and BEPPT students participated in the intercollegiate competition PRINTERA 2020 held at PVG College of Engineering, Pune on Jan 4 & 5, 2020 and won following prizes: 1.Yashodhan Parab : 1st in photography 2. Ashwin Deokar :2nd in print		3 BMPA Scholarship by Shalini M & Aarti Desai Shashank Shjewalkar Scholarship by Vedant Bhalwakar	


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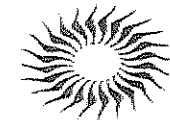
		<p>Regis Hotel, Mumbai.</p> <p>Shraddha Sanjay Kadam and Nikhitha Narendra Murdeshwar from BEPPT were adjudged winners of PaperMade 2019 contest conducted by Parksons Packaging for designing & prototyping Multi Flavour Ice Cream Dispenser package” in June 2019.</p> <p>Vinay Thakur (TE-PPT) Participated in National-level GoKart Design challenge and won “Best</p>	<p>quiz 3. Sachin Dhavale :1st in prepress creativity</p> <p>Ms. Shruti Belose and Ms. Arti Desai, second year PPT students under the guidance of Prof. Katyayini Shirur have bagged the Dr. A.P.J Abdul Kalam Young Research Fellowship organised by TERRE Policy Centre in June 2020 for the project "Bio-leather: A Flexible Packaging Material as an alternative for Plastics".</p> <ul style="list-style-type: none">• Vinay Thakur from B.E PPT won third prize in Clay Modelling at Youth Festival, organized by University of Mumbai on 14 th August, 2019.• Vinay Thakur from BEPPT secured First prize in Story Writing			
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		design Aesthetics” and runner-up for “Best Innovation Award” held at Saraswati College of Engineering. Rafia Taskeen (SE-PPT) won “Best Manager” award at ACEOF Mumbai organised by Pillai College of Engineering.	(District Level) at the 52nd Youth Festival.			
4.5	Percentage of student placed	Enter Percentage	26%	50 %	80%	2021-22 placement in progress
	Maximum salary	Rs. 5 lac	Rs. 3.5 lac	Rs 4.8 lac	4.5 lac	
	Median Salary	Rs. 3.2	Rs. 3	Rs 3 lac	3 lac	
	No of skill development schemes to improve placement	Nil	Nil			

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4.6	No of students pursuing higher studies	9	8	1		
	Initiatives taken to assist students for higher studies	Mentoring & guiding interesting students by faculty members	Mentoring & guiding interesting students by faculty members	Mentoring & guiding interesting students by faculty members	Mentoring & guiding interesting students by faculty members	
4.7	Mentor Mentee interactions	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	
4.8	Online student portal for academic and non-academic activities					
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	Provided	
4.10	Promote alumni networking with students	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	

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	Alumni association and measures to enhance members	Alumni engage with students every year through events, judging, exams as well as through dept. advisory board.	Alumni engage with students every year through events, judging, exams as well as through dept. advisory board.	Alumni engage with students every year through events, judging, exams as well as through dept. advisory board.	Alumni engage with students every year through events, judging, exams as well as through dept. advisory board.	
	Alumni contribution	Alumni have been recruiting students for internships and also giving guest lectures for students.	Alumni have been recruiting students for internships and also giving guest lectures for students.	Alumni have been recruiting students for internships and also giving guest lectures for students.	Alumni have been recruiting students for internships and also giving guest lectures for students.	

Goal 5**To enhance contribution towards society and the environment**

SIES GST engages its faculty and students with the various societal activities to effectively execute its stated mission. The institute expects that such engagements are required to build the perspective and to create the awareness among faculty and students about the needs and issues of the society. To increase such involvement of faculty and students following actions / activities shall be planned

- 5.1 To encourage students to opt for the elective courses that address gender bias, environment and sustainability issues
- 5.2 To encourage students and the faculty to take up the projects relevant to society to provide solutions
- 5.3 To involve students in green campus initiatives & waste management.
- 5.4 To plan various social initiatives contributing towards local community
- 5.5 Measures to improve waste disposal and e-waste collection

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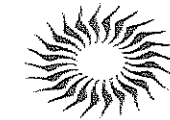
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S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	0	0	0	0	All students undergo sensitization to these issues through core courses also.
5.2	Number of projects relevant to society to provide solutions	2	2	2	2	Part of final year projects
5.3	Number of green campus initiatives & waste management.	1	1		1	car pooling E-documentation
5.4	Number social initiatives contributing				-	

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	towards local community					
5.5	Measures to improve waste disposal and e-waste collection				-	

Goal 6

To initiate new courses at UG and PG level

To provide students with courses in latest technology and to strengthen research activities, Institute will be completing NBA and NAAC


6.1 Prepare to complete accreditation process

S.No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
6.1	Complete accreditation process	NAAC Accreditation Process completed with B++	NBA Accreditation to be completed	-	

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Goal 7 To formulate development plans to improve the overall quality of the Institute

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	-	
7.2	IQAC Meetings	2	2	2	2	
7.3	Add / Update the organizational standard operating processes					
7.4	Internal and External audits	1	1	1		
7.5	Participation of staff in training programmes	6	9			


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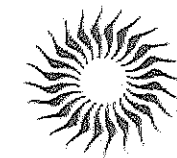
7.6	Organization of STTPs/ FDPs/ training within Institute	0	1	1		
7.7	Strengthening library & Increasing learning resources					
7.8	Maintenance of Infrastructure	Yes	Yes	Yes	Yes	
7.9	Regular updation of new lab equipment	Yes	No	Yes	Yes	
7.10	Development of new infrastructure	No	No	No	No	As per requirement
7.11	No of faculty acquiring PhD	Nil	Nil	Nil	Nil	
7.12	Awards and Recognitions to Institute	Nil	Nil	Nil	Nil	

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7.1 3	Awards and Recognition to faculty	Nil	Nil	Nil	Nil	
7.1 4	Stake holder feedback mechanism	Yes	Yes	Yes	Yes	
7.1 5	Green Initiatives taken & Policies for same					



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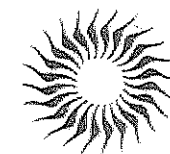
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Deployment data for AY 2021-22 of E CS Department. Compliance report for the academic year 2021-22 with respect to Strategic Plan 2018-2025.

Goal 1**To enrich curriculum**

S. No	Strategic Objectives	2021-22	Remarks
1.1	Department Advisory board	NIL	To be conducted at least once a year. MoM are attached for the reference.
1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done for SE Courses	To be done for every batch at the beginning of the academic year.
1.3	Academic-Activity Calendar	Prepared	Prepared in the beginning of every semester.
1.4	To enhance curriculum delivery beyond syllabus activities	NIL	
	Industrial Visits	0	Visits are organized on regular basis to IT and other related companies
	Guest lectures	3	Guest lectures are targeted to bridge the curriculum gap identified

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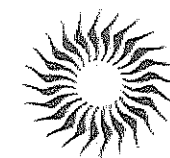
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	Internships	18	Internship opportunities are floated during the semester for which interested students apply for their knowledge enhancement
	Problem-Based Learning	Implemented <u>Problem based learning</u>	Case studies discussion and designing problems to enhance learning experience
	Certificate programs	nil	Programs based on the skills development relevant to the needs of Industry
	Student Seminars	3	Seminars are conducted on the topic beyond syllabus but closely related to the contents
1.5	To offer industry-oriented certification courses/projects	Offered	
	MOOCs	12	Institute Level: Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	Nil	In summer and winter vacations, value added courses are conducted at department level which aims to enhance the programming/coding skills and updates in the technology
	Industry Projects	Nil	Student's major projects are based on the problem provided by the industry.
	Expert talks	3	Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used
1.6	Innovative teaching methods	Implemented	Shall be implemented every academic year based on the course / batch requirements.

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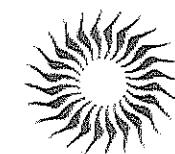
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1.7	Result Improvement	N/A	Substantial improvement is observed in the result for academic year 20-21 and 2021-22
	Remedial session	Conducted	Conducted for the students who score less than 40% marks in UT1 on the topics of UT1 also remedials are conducted for weak students.
	Extra classes for DSE	Conducted	They are planned and conducted during Ganpati vacations and after the regular timetable on daily basis
	Preliminary Exam	Conducted <u>EC_Paper_Prelims.docx</u>	Shall be conducted based on the course / batch requirements
	Additional practice assignment		
	Extra lectures for difficult subjects		
1.8	Academic Audit	Nil	To be conducted at least once a year
	Course file	Nil	Academic audit includes semester wise course file and personal file
	Faculty file	Nil	
	Feedback	2	Students feedback and teaching and learning is conducted at least twice a year.

Goal 2**To incorporate a digital platform to improve the teaching-learning process**

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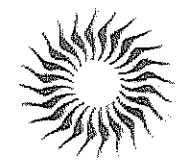
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S. No	Strategic Objectives	2021-22	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Innovative teaching methods were used like Flipped classroom in subject DBMS, DSA, case studies in subjects DBMS and DSA, DSAT were conducted	conducted based on the course / batch requirements
	Use ICT for effective teaching with E-Learning resources	Various ICT tools are used to enhance the teaching-learning process-MS teams, Virtual labs, Presentations, Concept map, various tools, PPT	
	Development of e-content	Course material is created in the form of lecture Videos, PPTs, lab manuals etc.	
	Recording of lectures and making it available digitally	Few videos of online lectures were recorded and were made available to students.	
2.2	Transparency in continuous evaluation	TW calculation involving assignment marks, experiment evaluations, attendance and also test marks are shown to students and the discrepancies are resolved immediately	The solution key shared is with students after the exam and the paper evaluation is discussed in the class.
2.3	Attendance Monitoring systems	Yes	Defaulters' list taken at regular intervals. Typically, thrice in a semester.
2.4	Automated library	Yes	Centrally made available

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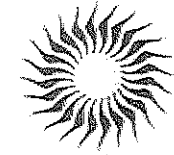
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Goal 3

To encourage research and consultancy, industry-institute interaction and entrepreneurship activities

S. No	Strategic Objectives	2021-22	Remarks
3.1	To strengthen research activities in the institute	Technical report writing for SE mini-Project	Project guide mentored their project groups in writing project report
	Research conference and research symposium /STTP	Nil	Conferences workshop attended/ Mooc Courses completed
	Sponsorship to faculty to encourage participation in research activities on and off-campus	No Sponsorship	
	Sponsored research through research proposals	NA	Minor research grant by university of Mumbai.
	Number of research papers in conferences	Nil	
	Number of research papers in journal	Nil	
	Books written	Nil	



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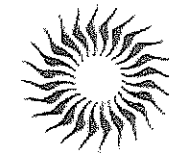


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3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/start-up Activities	Nil	
3.3	Partnership between industry/ reputed organizations/	Nil	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence
	Internships	18	Project based Internships are carried out in the industry or on the technologies used in the industry.
	Consultancy work	Nil	
	Industry projects	Nil	
	MOU	Nil	
	Expert session/seminars	3	
	Short term courses	Nil	Workshops conducted by IIT Bombay remote centre for faculty members and by professional body CSI for students.
	Value-added courses	0	


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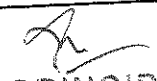
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	Training program for faculty	1(Mini Project orientation)	Mini Project Orientation was conducted under Mumbai university
	Training by faculty	Nil	By being Resource for workshops and FDPs
	Industry labs	NIL	

Goal 4

To strengthen alumni engagement and enhance the student experience

S. No	Strategic Objectives	2021-22	Remarks
4.1	No. of students enroll for Certification/Diploma courses	13	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus		
4.3	No. of student participation in extracurricular activities	20	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon,


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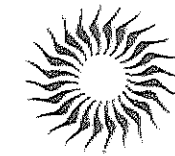
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	No of program organized by the institute	Nil	
	No of award/ medals won by students	22	
4. 4	No of activities undertaken	Nil	
	Awards and Recognition to students	48 NAAC 5.3.1 5.3.3.1 21-22.xlsx	
4. 5	Percentage of student placed	Nil	
	Maximum salary	Nil	
	Median Salary	Nil	
	No of skill development schemes to improve placement	Nil	
4. 6	No of students pursuing higher studies	Nil	
	Initiatives taken to assist students for higher studies	Nil	

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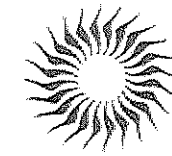
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4. 7	Mentor Mentee interactions	Conducted Regularly: Min 2 meeting in a semester along with PTM	
4. 8	Online student portal for academic and non-academic activities	Arena for Codeshef SIESGST	
4. 9	Professional Counselling and emergency medical service to the students on campus	Available	Mentor and class in charges identified students for counselling and provided professional counselling
4. 10	Promote alumni networking with students	Nil	
	Alumni association and measures to enhance members	Nil	
	Alumni contribution	Nil	

Goal 5

To enhance contribution towards society and the environment

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S.No	Strategic Objectives	2021-22	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	Nil	
5.2	Number of projects relevant to society to provide solutions	06 for SE Request to maintain separate excel sheet for the title and student name whose projects we are considering. <u>Student_Mini Project Details SH 21.xlsx</u>	SE Mini project had objective towards providing solution to the societal problems
5.3	Number of green campus initiatives & waste management.	-	2018-19 : e-journal submission, car pooling 2019-20 : reduction in use of plastic water bottles and tiffin's ,E-documentation
5.4	Number social initiatives contributing towards local community	-	
5.5	Measures to improve waste disposal and e-waste collection	-	

Goal 6

To initiate new courses at UG and PG level



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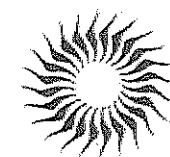
S.No	Strategic Objectives	2021-22	Remarks
6.1	Complete accreditation process	Nil	

Goal 7 To formulate development plans to improve the overall quality of the Institute


S.No	Strategic Objectives	2021-22	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Nil	
7.2	IQAC Meetings	2	
7.3	Add / Update the organizational standard operating processes	PI included in QP	Co Mappings for assignment, CO mapping for QP of IA, Rubrics for mini project/Lab/Major project
7.4	Internal and External audits	Nil	NBA audit and Academic audit

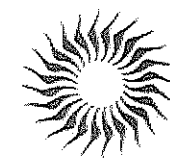


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7.5	Participation of staff in training programs	2	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	3	AICTE -ISTE approved STTP Expert Session on Awareness of Internship FDP Conducted Mini project 1A orientation for ECS faculty of all colleges on behalf of University of Mumbai) AICTE -ISTE approved STTP Expert Session on Insights in the field of Electronics and Computer Science (ECS)
7.7	Strengthening library & Increasing learning resources	Departmental Library available for faculties and students	
7.8	Maintenance of Infrastructure	Nil	
7.9	Regular updating of new lab equipment	Yes	
7.10	Development of new infrastructure	N	
7.11	No of faculty acquiring PhD	Nil	
7.12	Awards and Recognitions to Institute	NA	Mention some notable achievements


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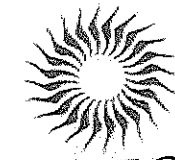
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7.13	Awards and Recognition to faculty	NA	Mention some notable achievements
7.14	Stake holder feedback mechanism	Yes	Faculty feedback is taken two times in a semester. Feedback from other stakeholders (parents, Employers, Alumni, staff etc) is taken once in a year.
7.15	Green Initiatives taken & Policies for same	Yes	2018-19: e-journal submission, car pooling 2019-20: reduction in use of plastic water bottles and tiffin's, E-documentation
	Institute Level Objectives	<ol style="list-style-type: none">1. Each department to take industry project/ research project with number equivalent to half of total faculty strength.2. To conduct at least two technical activities at National/ International level by each department.3. Revenue generation through consultancy/MOU's/ Alumni by every department as per NAAC/NBA requirement.	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

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		4. Each department to include at least two value added courses or certificate programs in the emerging areas to enrich the curriculum.	
	Objectives at department Level to achieve strategic goals	<ol style="list-style-type: none">1. To improve technical skills of the students in the field of computer and electronics field.2. To improve research paper reading and writing skills of the students.3. To train students in problem-solving and soft skills to ensure holistic development.	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

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