CE

Deployment for AY 2022-23

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	2022-23	Remarks
1.1	Department	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	One meeting Conducted in March 2023	To be conducted at least once a year. MoM are attached for the reference.

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	Advisory board				February 2022 DAB MOM		
1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	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	Prepared in the beginning of every semester.
1.4	To enhance curriculum delivery beyond syllabus activities	Conducted	Conducted	Conducted	SDPs 2021-22	6 AY 2022-23	Value added courses are conducted on recent technologies which require in industry.

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	Industrial Visits	2	2	0	0	1	Visits are organized on regular basis to IT and other related companies
	Guest lectures	8	3	7	7	9	Guest lectures are targeted to bridge the curriculum gap identified
	Internships	72	56	120	35	43	Internship opportunities are floated during the semester for which interested students apply for their knowledge enhancement
	Problem-Based Learning	Implemented	Implemented	Implemented	Implemented Problem based learning	Implemented Problem based leraning	Case studies discussion and designing problems to enhance learning experience
	Certificate programs	2	10	0	3	6	Programs based on the skills development relevant to the needs of Industry
	Student Seminars	6	6	46	46	17 grp of TE C 17 grp of TE D 18 grp of SE C 18 grp of SE D	Seminars are conducted on the topic beyond syllabus but closely related to the contents

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1.5	**To offer industry - loriented certification courses/ projects**	Offered	Offered	Offered	Offered	offered	
	MOOCs	287	668	**48**	**26**	**6**	**Institute Level :** Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	2	10	5	6	5	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	1	Students major projects are based on the problem provided by the industry.

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<table>
<tr><td></td><td>Expert talks</td><td>5</td><td>1</td><td>3</td><td>7</td><td>9</td><td>Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used</td></tr>
<tr><td>1.6</td><td>Innovative teaching methods</td><td>Implemented : Mind Map, Collaborative teaching method</td><td>Implemented : Mind Map ,Collaborative teaching, Reflective learning ,Role Play</td><td>Implemented Collaborative learning, Quiz, Poll</td><td><u>Implemented:</u> Seminars, project based learning, Flipped classroom, Think-Pair-Share</td><td><u>Implemented</u> Android based applications, crossword, TPS, poster presentation, Flipped classroom, Seminars beyond syllabus, case studies, real life problems</td><td>Shall be implemented every academic years based on the course / batch requirements.</td></tr>
<tr><td>1.7</td><td>Result Improvement</td><td>Compared to 2018-19:
<table>
<tr><td></td><td>18-19</td><td>19-20</td><td>+/-</td></tr>
<tr><td>SE</td><td>75.23%</td><td>100%</td><td>+2477%</td></tr>
<tr><td>TE</td><td>88.98%</td><td>100%</td><td>+1102%</td></tr>
<tr><td>BE</td><td>96.30%</td><td>100%</td><td>+3.97%</td></tr>
</table></td><td>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></td><td>Compared to 2020 – 21:
<table>
<tr><td></td><td>20 - 21</td><td>21-22</td><td>+/-</td></tr>
<tr><td>SE</td><td>100%</td><td>92.02%</td><td>-7.98 %</td></tr>
<tr><td>TE</td><td>100%</td><td>99.06</td><td>-0.94 %</td></tr>
<tr><td>BE</td><td>100%</td><td>100</td><td>0.0%</td></tr>
</table></td><td>Improvement is observed in result.</td><td>Compared to 2021 – 22
<table>
<tr><td></td><td>21-22</td><td>22 - 23</td><td>+/-</td></tr>
<tr><td>SE</td><td>92.02%</td><td>66.90%</td><td>-25.12%</td></tr>
<tr><td>TE</td><td>99.06%</td><td>93.43%</td><td>-5.63%</td></tr>
</table></td><td>The results for 2022-23 have shown a decline in results as compared to the previous year, 2021-22.</td></tr>
</table>

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			BE 100 % 100 % 0.0 %			BE 100 % 91.66% 8.34 %	
	Remedial session	Conducted	Conducted	Conducted(10)	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	Conducted	They are planned and conducted during Ganpati vacations and after the regular time table on daily basis
	Preliminary Exam	Not conducted	Not conducted	Conducted(13)	Conducted Extra Assignment 2021-22	Not conducted	Shall be conducted based on the course / batch requirements
	Additional practice assignment	Conducted	Conducted				

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	Extra lectures for difficult subjects	-					
1.8	Academic Audit	1 External audit Conducted.	1 External audit Conducted.	1 External audit Conducted.	1 External audit was conducted on 18 Jan 2022.	External Audit conducted	To be conducted at least once a year
	Course file	19(Odd Sem)+17(Even sem)	17		17	16	Academic audit includes semester wise course file and personal file
	Faculty file	22	18	18	17	16	
	Feedback	2	2	2	2	2	Students feedback and teaching and learning is 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	2022-23	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Innovative teaching methods were used like animated concept maps to give overview of the chapter in Microprocessor course.	Innovative teaching methods were used like giving case study on HMI design problems and making students to change the design and reflect on the effects.	Innovative teaching methods were used like Polling and quiz is conducted using mentimeter related to subjects like Cyber Security laws, Software Engg. Machine Learning, Multimedia Systems, BDA,	Innovative teaching methods were used like Mindmap in subject PGM, case studies in subjects Cryptography and System Security, Cyber Security Laws, Flipped classroom in subjects DC,DLCA,MIS	Innovative teaching methods were used like crossword puzzle in subject Blockchain, CN, Android based application in MC, TPS in AI, Reserach paper summarization in social media etc.	conducted based on the course / batch requirements

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				MCC,DBMS,SPCC to make the lecture interactive as well as helped in assessing students.	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.	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.	Course material is created in the form of lecture Videos, PPTs, lab manuals, MOOC Cources, Faculty Webpages,etc.	
	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.	Videos of lectures were recorded and were made available to students through Youtube, MOOC Courses,etc.	

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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	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	Yes	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Yes	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. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	Remarks
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	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project presentation	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project	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 /Plaigarism check sing Urkund software.

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		competition	competition	presentation competition	presentation competition		
	Research conference and research symposium /STTP	55 Attended	158 Attended	89 Attended	45 Attended	_ to refer from mis	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	In progress	
	Sponsored research through research proposals	1 (40,000/-)	3 (Rs. 75,000/-)	NA	NA	2 Proposals submitted to Department of Bio-Technology	Minor research grant by university of Mumbai.
	Number of research papers in conferences	7	8	11	23	15	
	Number of research	Number of papers in UGC Journals:9	Number of papers in UGC Journals:1	Number of papers in UGC Journals:5	Number of papers in UGC Journals:04	20	

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	papers in journal	All Journals: 9	All Journals: 11	All Journals: 6	All journals :20		
	Books written	Nill	4 Books	Nil	Nil	5 (books and Book chapter)	
3.2	**To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/start up Activities**	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.	Expert session on "Managing Technological Challenges in 2023 "ExpertSession_ Tukley sir.docx and "Developing Analytical Skills"ExpertSession_Prashant Singh.docx	
3.3	**Partnership between industry/ reputed organizations/**	Collaboration for internship	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	43	Project based Internships are carried out in the industry or on the technologies used in the industry.

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	Consultancy work	NA	NA	NA	NA	1	
	Industry projects	1	1	0	1	1	
	MOU	3	1	4	3	1	
	Expert session/ seminars	6	3	7	7 Expert talk	9	
	Short term courses	5	6	12	13 5.1.3 CSI	12	Workshops conducted by IIT bombay remote center for faculty members and by professional body CSI for students.
	Value-added courses	02	09	02	01	06	After university exams over value added courses are conducted on cutting edge technologies that will be helpful for students.
	Training program for faculty	2 (1 STTP, 1 FDP)	2 (1 STTP, 1 FDP)	3(1 STTP, 2 FDP)	2(FDP 1 STTP1)	1 STTP	Every year one AICTE - ISTE approved STTP is organized on the topics related recent trends in the IT industry.
	Training by faculty	1	4	0	3	1	By being Resource for workshops and FDPs
	Industry labs	NIL	NIL	NIL	NIL	NiL	

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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

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	Remarks
4.1	No. of students enroll for Certification /Diploma courses	205	601	48	99(SDP)+23(Coursera)+3(NPTEL) ==125	91 SDP + 17(Courseera) 3(NPTEL) + =111	SDP/Coursera /NPTEL/Udemy

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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	38(Non Technical)+59(Technical)	9(Non Technical)+71(Technical)	70(Technical)+5(Non Technical)	41(Technical)+53(Non Technical)	57(Technical)+12(Non Technical)	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon,
	No of program organized by the institute	4	2	12	13 CSI_Reports 2021-22 - Google Drive	12(CSI)+9(Expert Talk)+06(SDP) =27	Activities under CSI like+sdps+workshop
	No of award/ medals won by students	12	5	30		4	
4.4	No of activities undertaken	4	2	12	13 CSI_Reports 2021-22 - Google Drive	12(CSI) +31 (codechef,GDSC) =43	(coding skills/bmw analysis activity/case study discussion/ieee paper discussion soft skill activity : 1hr or 2 hr activity
	Awards and Recognition to students	12	5	30	36 Proof_5.3.1_awards	4	Promethean 2021,Technopreneur 2021,Bugsquash

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							2022,ByteCamp2022,Kabaddi,Volleyball
4.5	Percentage of student placed	81%	85%	80.61%	83.51%	75%	TCS Digital,Xoriant, Continuum, GEP,Reliance jio, Ingram, Capgemeini, LTI,TCS Ninja
	Maximum salary	Rs.7 LPA	Rs. 7LPA	Rs.10 LPA	Rs. 10 LPA	Rs. 10.5LPA	TCS Digital, PerkinElmer, LTI Level 3 nVent
	Median Salary	Rs. 3.5 LPA	Rs. 3.5 LPA	4.5	4.5	Rs. 5 LPA	Reliance jio, LTI Ingram Micro
	No of skill developmen t schemes to improve placement	10	7	2	2	2	Campus Recruitment Training by Campus Credential, Indusry Expectations From Engineering Graduates,FNAT - Mock Online Aptitude & Coding Test(4-3-2020) by First Naukri.com IDBI Training Campus Recruitment Training by Campus Credential

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4.6	No of students pursuing higher studies	11	21	14	15	27	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	2 (GATE seminar+gate lecture	Higher Education counselling by TC Global, Higher Education in Germany,Overseas Education, different courses available, resume and profile building Seminar for Abroad education bt Aditya menion, 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	Conducted Regularly: Min 2 meeting in a semester along with PTM	

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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		Arena for Codeshef SIESGST	Onedrive, gdrive	
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	Counselling Case sample Proof	Provided	Mentor and class incharges identified students for counselling and provided professional counseling
4.10	Promote alumni networking with students	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	Alumni are invited as speakers for workshop/seminars, 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	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	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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		member			5. Coding competition for students	5. Judges for various project competition for students 6. External for Final Year Project evaluation	
	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 industry requirement	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)	Alumni 2020-21	Alumni activity 2022-2023_1.xlsx 1.Expert talks 2. Expert for Value added Course 3.Resource person for Workshops Under CSI 4) Judge for project competition 5) External for final year project	Alumni are invited as speakers for workshop/seminars, mentor students for higher studies, for evaluation of mini projects and major project. Alumni Conducted sessions in value added course and judge for project competition during cognition.

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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	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	NA	23	08	NA	EVM – 56 (SEM VIII)	Sem VIII elective EVM (R-2019) FH2023
5.2	Number of projects relevant to society to	19	19	23	06 for SE+24 for BE	14 for BE 6 for TE Societal Applications	Sem VI and final year Major project had objective towards providing solution to the societal problems

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	provide solutions				BE_Project List Of Social relavance Topics	Societal.xlsx	
5.3	Number of green campus initiatives & waste managemen t.	2	2			2	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 4lakh			
5.5	Measures to improve waste disposal and e-waste collection	• Dustbin making activity • 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	2022-23	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	AQAR and SSR for cycle 2 submitted	

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	2022-23	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD			

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7.2	**IQAC Meetings**	2	4	2	2	2	
7.3	Add / Update the organizational standard operating processes	NA	NA	NA	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	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)	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	18	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	6	5	3	2	1	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

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7.7	Strengthening library & Increasing learning resources	Departmental Library IEEE Digital Library session conducted for faculty and students	1. Departmental Library 2.IEEE Digital Library session conducted for faculty and students 3.	Departmental Library	Departmental Library available for faculties and students		
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
7.13	Awards and Recognition to faculty	NA	01	NA	NA		Mention some notable achievements

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7.14	Stake holder 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			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 and one ICT tool per course. 2. To strengthen the Industry Institute Interaction	1. To qualify for platinum category grade in AICTE-CII survey 2. To conduct at least two approved technical audit courses by each department and two non-	1. To increase the number of Industry MoUs / linkages and conduct at least one activity per year under this linkage. 2. To implement IT enabled management for all activities of the Institute.	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		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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		to qualify for the third round of AICTE-CII Survey. 3. To promote self learning amongst students, at least 25% from each class.	technical audit courses by the Institute 3. To carry out at least one consultancy project with Industry and/or one in-house development of modules as a solution to Institute requirements 4. To conduct at least one Training session for Industry by the faculty members of each department	3. To improve participation of alumni in resource generation and planning & development. 4. To formulate and implement start-up policy.	National/ International level by each department 3. Revenue generation through consultancy /MOU's/ Alumni by every department as per NAAC/NBA requirement 4. Each department to include at least two value added courses or certificate programs in the emerging areas to		

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					enrich the curriculum.		
	Objectives at department Level to achieve strategic goals	1. Enhance collaboration with industries and organizations for projects. 2. To encourage more number of students for internship programs. 3. To improve students publications (for quality Projects) in lined with institute to enhance Research & Development activities	1. To improve student's participation into technical competition 2. To increase faculty and student research publications by 25% 3. To get accreditation from national board for the computer engineering program	1. To improve the quality of research publications by students and faculty 2. To improve industry related consultancy projects 3. To improve problem solving, programming and soft skills of students.	1. To improve faculty participation in Major/minor research proposal. 2. To improve problem solving, coding and soft skills in students. 3. To develop two in-house projects for Institute /department automation.		For achieving the goals objectives are planned at the beginning of the academic year and various activities are conductedfor achieving the objectives.

		amongst students and faculty members. 4. To conduct session for students soft skill developmen t. 5. To promote entrepreneu rship by encouragin g students to take up innovative projects.					

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EXTC.

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EXTC Department

Deployment for AY 2018-19 ,2019-20 , 2020-21 and 2021-22,22-23

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	22-23	Remarks
1.1	Department Advisory board	One meeting conducted Oct 20,2018 DAB meeting conducted. Agenda of Meeting_20_10_2018	One meeting conducted Oct 19,2019 DAB meeting conducted. Agenda of meeting 19_10_2019	One meeting conducted Jan 27,2021 DAB meeting conducted. Agenda DAB_27.01.21	One meeting conducted 16 Feb 2022 DAB meeting conducted Agenda for DAB _16Feb2022.docx	One meeting conducted 25-feb 23	To be conducted at least once a year.

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1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	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	Prepared in the beginning of every semester.
1.4	**To enhance curriculum delivery beyond syllabus activities**	Conducted	Conducted	Conducted	Conducted	Conducted	Some activities are conducted like poster presentations, Simulations,Seminars,Case studies etc.
	Industrial Visits	2	4	--	--	2	Students will get experiential learning by IV to understand different electronics and communication concepts
	Guest lectures	4	-	1	6	7	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)	30(industry) 67(SDP)	Students take up internship in the vacation
	Problem-Based Learning	Implemented	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	4	Students undergo different certificate programs during summer and winter vacations as per their area of interest.
	Student Seminars	9	4	17	14	7	Different seminars are organized for students to update the current technology as well as for skill developments
1.5	**To offer industry-oriented certification courses/projects**	Offered	Offered	Offered	Offered	Offered	.

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	MOOCs	6(NPTEL)	7(NPTEL)+200(Courseera and UDEMy	86(coursera)	13	15	NPTEL,Coursera,Udemy
	Value Added Courses	1	0	2	4	4	
	Industry Projects	0	0	2	2	10	
	Expert talks	9	11	1	6	7	
1.6	Innovative teaching methods	Implemented	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	Compared to 2017-18: 17-18 18-19. -/+% SE: 73.94 65.25 - 8.69% TE: 74.10 68.97 - 5.13% BE: 96.38 90.61 - 5.77%	Compared to 2018-19: 18-19 19-20 +/-% SE: 65.25 100 +34.75% TE: 68.97 100 +31.03% BE: 90.61 99.28 8.68%	Compared to 2019-20: 19-20 20-21 +/-% SE: 100 94.53 -5.47% TE: 100 100 +0% BE: 99.28 100 +0.72%	Compared to 2020-21: 20-21 21-22 +/- % SE: 94.53 78 -16.53% TE: 100 83 -17% BE: 100 96.71 -3.29%	Compared to 2021-22: 21-22 22-23 SE: 78 59.42 -18.58% TE: 83 78.28 -4.72% BE: 96.71 68.75 -27.25%	Result is improving.Final year result 19-20 yet to come. 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.
	Remedial session	Conducted	Conducted	Conducted	Conducted	Conducted	All the faculty of the department conduct remedial session

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	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted for all six subjects
	Preliminary Exam	Not conducted	Not conducted	Not conducted	Conducted	Not conducted	Shall be conducted based on the course / batch requirements
	Additional practice assignment	Conducted	Conducted	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	Conducted	Conducted	

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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/EerzTeSgXK1Cnyz76ASZ67ABuuqROYVUGz0xAYWvWs4tHw?e=i1AusV	10-3-23 for FH22 and SH22 by Dr. Bhoir	To be conducted at least once a year
	Course file	Yes	Yes	yes	yes	yes	Course files are prepared for every subject.
	Faculty file	Yes	Yes	yes	yes	yes	Handbook is maintained every semester
	Feedback	Yes	Yes	yes	yes	yes	Conducted at least twice a year.

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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	22-23	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	Developed	Developed	Developed	conducted based on the course / batch requirements
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	Done	Done	
	Development of e-content	Yes	Yes	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	Yes	yes	yes	

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2.2	Transparency in continuous evaluation	Yes	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	yes	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Yes	Yes	Yes	yes	yes	Centrally made available

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	22-23	Remarks

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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.	Seminar on technical paper writing was conducted for BE students.	Activities have been conducted to strengthen research activities.	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 /Plaigarism check sing Urkund software.

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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	ISTE Approved One Week STTP on AR and VR "	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 cordinated by EXTC Department (online) AY 2020-21 STTP on Recent Trends in wireless Technologies FDP 2020-21 1. Use of Games and simulation in teaching 2. Internet of Things 3.Augmented reality: Applications and development platforms

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	Sponsorship to faculty to encourage participation in research activities on and off-campus	--	--	17 College has sponsored STTP on Recent Trends in Wireless Communication Technologies	--	–	
	Sponsored research through research proposals	6	3	--	--	–	
	Number of research papers in conferences	4	8	7	6	9	
	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	7	

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	Books written	Nil	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.	Activities are conducted at institute level. Guest lecture for IPR under R&D	Activities are conducted at institute level.	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	Partnerships through MoUs and DABs	

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	Internships	74	62	55 (industry) +53 (SDP)	65(SDP), 58(Industry)	30(industry) 67(SDP)	Students take up internship in the vacation
	Consultancy work	--	--	--	--	1,with EEPIL ,20000	
	Industry projects	0	0	2	2	10	
	MOU	2	0	3	2	1	
	Expert session/seminars	2	0	2	5(dept)	7	

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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	0	SIT conducted by Eduvance, 34 students attended

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	Training program for faculty	3	1	3	1	0	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 cordinated by EXTC Department (online) AY 2021-22 STTP on "Data Science and Use of Visualization Tools

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	Training by faculty	1	Enter Number -2	1	1	0	AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing, Speakers - Prof. Shishir Jagtap and Vandana Sawant. AY2018-19 - Orientation Program on Course File, Handbook, Personal File and . Mentor-Mentee Scheme. Speaker - Prof. Biju Balakrishnan AY 2021-22 Faculty Orientation Program on Digital Communication theory and Lab by Biju Balakrishnan- 85 faculties
	Industry labs	--	--	--	--	–	

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Goal 4	To strengthen alumni engagement and enhance the student experience

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	22-23	Remarks
4.1	No. of students enroll for Certification/Diploma courses	34	181	134	65 (SDP)	67 (SDP)	SDP/internship attended by the students
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	2002	2056	2003	3521	2479	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	4(SDP)	

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	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)		
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)		❖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

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4.5	Percentage of student placed	54.36	42.62	26.27	90.15	46.09	
	Maximum salary	Rs.10 lpa	Rs.5.5 lpa	Rs 6.6 lpa	7.5 lpa	8.64L	
	Median Salary	Rs. 2.8	Rs.3.6 lpa	3.6 lpa	5 lpa	5 L	
	No of skill development schemes to improve placement	05	05	01	01	2	
4.6	No of students pursuing higher studies	08	10	04	4	Students in process of taking admission	
	Initiatives taken to assist students for higher studies	Seminars on competitive exams, career guidance , GRE-TOEFL	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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4.7	Mentor Mentee interactions	Conducted Regularly	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	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	Provided	At institute level
4.10	Promote alumni networking with students	Conducted Regularly	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

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	Alumni association and measures to enhance members	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	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	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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	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 Bridge the gap Aakansha Kohli 7/3/2021 Shreya Pattar 14/3/2021 Mohini Jodhpurkar 28/3/2021 Vipul Varkar 27/6/2021	2021-22: Alumni-student Interaction 1.Anurag I. for DVLSI Expert lecture -30-7-2021 2. Dada Suryavanshi - 5G -Iot Cloud on 11-2-22	22-23 Alumni-student Interaction Unnati Wadkar And Rahul Sheshadri on 09/07/2022 DAB : PRachi jain ,Kartik Ram on 25-2-22 Live with Alumni : Harpreet Singh on 3-7-22	.

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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	22-23	Remarks
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	EVM=59 DMM=8	Sem VIII elective EVM (R-2016) Sem VIII ILO –EVM-FH2021 Sem VII elective DMM – Sh 2020

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5.2	Number of projects relevant to society to provide solutions	28	30	30	32	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
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	22-23	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	nil	

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

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S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	22-23	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	Participated	Participated	
7.2	**IQAC Meetings**	2	4	2	4	2	

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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	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	External audit for SH21 and FH2021 on 10-1-2022 Internal audit bu IQAC	External audit for SH22 anf FH2022 on 10-3-2023 Internal audit bu IQAC	

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7.5	Participation of staff in training programmes	63	129	97	57	32	Provided under criteria 6.3.4
7.6	Organization of STTPs/ FDPs/ training within Institute	8	2	3 (FDP) + 1 (STTP)	1 STTP	1 STTP	

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7.7	Strengthening library & Increasing learning resources	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 Google classroom	Faculty are sharing notes,books ,video recordings, assignments, university Q papers through Office Teams	Faculty are sharing notes,books ,video recordings, assignments, university Q papers through Office Teams	Learning Resources
7.8	Maintenance of Infrastructure	Yes	Yes	yes	yes	yes	Done as per requirement

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7.9	Regular updation of new lab equipment	Yes	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	No	Mention the new infrastructure in brief
7.11	No of faculty acquiring PhD	1 completed. 5 pursuing	2 completed 7 pursuing	7 pursuing	8 pursuing	5 pursuing	18-19 Preeti Hemnani completed 19-20 shubhangi K , Shishir J completed PhD

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7.12	Awards and Recognitions to Institute	1	Na	2	2	1	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	Stakeholder feedback mechanism	Yes	Yes	yes	yes	yes	

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7.15	Green Initiatives taken & Policies for same	yes	yes	yes	yes	yes	
Institute level Objectives	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						
Department level objectives	1.To take up atleast 1 consultancy project with industry. 2.To increase no. of MOU's with industry to improve internship /BE projects. 3.To create atleast 1 MOOC course in all 4 quadrants.						

Dr. Preeti Hemnani
HOD EXTC

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IT

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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. 2022-23.

Goal 1	To enrich curriculum

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	2022-23	Remarks
2.1	**To develop innovative teaching, learning, and assessment methods**	Developed	Developed	Developed	Developed	Developed	Conducted based on the course / batch requirements and maintained in the course file.
	Use ICT for effective	Done	Done	Done	Done 2.3.2-ICT tools_ITDepartment.	Done 2.3.2-ICT tools_ITDepartment.	

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	teaching with E-Learning resources				xlsx	xlsx	
	Development of e-content	Yes	Yes	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	Yes	Yes	Yes	
2.2	**Transparency in continuous evaluation**	Yes	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	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:	Library automation consists of:	Centrally made available

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**	**2022-23**	**Remark**
3.1	**To strengthen research activities in the**	Activities have been	Activities have been	Activities have been	Activities have been conducted to	Activities have been conducted	Con ducted (college level) various seminars on research/

	institute	conducted to strengthen research activities.	conducted to strengthen research activities.	conducted to strengthen research activities.	strengthen research activities.	to strengthen research activities.	patent writing to encourage faculty/ students.
	Research conference and research symposium /STTP	conference s-1 STTP-12	Conference s-14 STTP-13	Conference s- 13 STTP-11	Conferences 16 STTP-12 STTP_REPORT_DATA SCIENCE_SH21 (1).doc	Conferences-10 STTP-20	**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. **2022-23:** 10 Papers are published in conferences

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							20 Faculty members attended STTP.
	Sponsorship to faculty to encourage participation in research activities on and off-campus	Nil	Nil	Nil	Nil	Nil	
	Sponsored research through research proposals	3	2	2(Continuing 2019-20)	2(Continuing 2019-20)	3	**2018-19:** Ms.Lakshmisudha, Ms.Bushra, Ms.Stuti received 15,000/ ,30,000/-, 25,000/- respectively from University of Mumbai. **2019-20:** Ms.SavitaLohiya, Ms.SeemaRedekarreceived Rs 30,000/- and Rs 25,000/- from University of Mumbai. And continued in 2020-21 due to pandemic. **2022-2023:** 1) Bushra Shaikh Submitted research proposal to Department of Biotechnology Ministry of Science and Technology Government of India New Delhi, India on the date

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							21/1/2023 2) Mrinal Khadse, Savita Lohiya Submitted research proposal to DRDO life sciences research board Delhi on the date 22/6/23 3) Dr. Lakshmisudha, Sumit Shinde Submitted proposal to DST on topic "Artificial Intelligence (AI) Applications in Agriculture & Plant Science " 20/1/23
	Number of research papers in conferences	1	14	13	16 Research publication details 2021-22.xlsx	10 IT_R&D_2022-23.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 **2022-23:** 10 Paper published in conference
	Number of research papers in journal	13	4	9	17 Research publication details 2021-22.xlsx	06 IT_R&D_2022-23.xlsx	**2018-19**:13 paper published in UGC Journals **2019-20**: 4 Papers published in UGC Journals **2020-21**: 9 Papers published

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							in UGC Journals **2021-22**:17 Paper published in UGC journals. **2022-23**:6 Paper published in journals
	Books written	Nil	Nil	3 (Book - 1, Book Chapters- 2)	2 Research publication details 2021-22.xlsx	Book Chapters- 5 Book -1	**2020-21** : 1. Dr. K. Lakshmisudha: published chapter in Book titled " Advances in Data Science and Information Engineering" 2. Ms.LeenaLadge published chapter in Book titled "Innovations in Computer Science and Engineering 3. Ms.StutiAhuja 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 2. Ms.Stuti A. Published

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							chapter in book titled Video Descriptor using Attention Mechanism **2022-23** Leena Ladge -Book Chapters Mrinal K-1 Book Chapter Seema Redekar-1 Book
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.	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	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.
	Internships	41	53	34	45	42	Completed industry internships by students and 34 students completed internal internships in 2020-21. 45

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							students completed in 2021-22. **2022-23** 42students completed internship-25 students completed external internship and 17 students completed internal internship
	Consultancy work	Rs.40.000/-(2 projects)	7,500/-	37,500/-	--	10,000/-	**2018-2019** 1.Completed "Text extraction from Scanned Documents with Simplicate Creations Private Ltd." 2. Completed "E-commerce Website Data Scraping with Simplicate Creations Private Ltd. **2019-20** 3.Completed Document gathering app from Ellipsis. 4. Completed " Mobile App Development" from Ezytek (Rs. 30,000/-) **2022-23** "Completed consultancy project titled "Packaging Material Testing Data

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							Management System" for School of Packaging and received consultancy amount of Rs.10,000/-
	Industry projects	5	1	2	1	–	**2018-19:** 1. WebAnalytics in Lab Systems.Mr.BirenArora- 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 (Mr.VinayVishwanath, AVP, Lab Systems. 5. D modulation and simulation of nuclear reactor plant (Mr.Dinesh K. Maurya, Scientific Officer , BARC) **2019-20:** Implemented the Landing Page Website project for the

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							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 forEzytekPvt. Ltd.
	MOU	5	5	5	4	2	1. Information Technology Department has signed MoU with Emtron Technologies Pvt. Ltd on 17/2/2018. 2. Information Technology Department has signed MoU with Lab System (I)Pvt. Ltd-Pioneer in Digital Forensics in India, Mumbai on Apr 20, 2018. 3. Information Technology Department has signed MoU with IoT Pro in 2017 4. Information Technology Department has signed MoU with RidenetTechnolgy (I)Pvt. Ltd- 2021.

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							5.Regional Telecom Training Centre, BSNL, Chinchwad , Pune in 2020 **2022-23** 1. Information Technology Department has renewed MoU with RidenetTechnolgy (I)Pvt.Ltd. 2. Information Technology Department has renewed MoU with Lab System (I)Pvt. Ltd-Pioneer in Digital Forensics in India, Mumbai.
	Expert session/seminars	18	11	11	22	23	Organised expert sessions to enrich the curriculum for the respective subjects.
	Short term courses	2	3	Nil	3	4	Student development Programs conducted on various advance technologies such as Machine learning in R and Python, CCNA certification. Conducted workshop on cyber

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							security and Ethical hacking on Dec 11, 2021. Conducted workshop on Latex Report Writing on March 23rd, 2022. Conducted workshop on Flutter on June 30th, 2022. **2022-23** Conducted Student Development program on Full Stack Development, Network Management, Programming Database and Soft Skill, Dev-Ops.
	Value-added courses	2	3	1	1	4	**2021-22.** 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 Management in 2020-21. 1 Program conducted on Full

							Stack Web Development in 2021-22. **2022-23** 2 SDP were conducted in SH-22 on topics "Full stack web development" and "Network Management and Security" 2 SDP were conducted in FH-23 on topics "Programming, Database Management and Soft Skills" and "Software Engineering and AdvancedDevops"
	Training program for faculty	4	2	4	2 STTP-2021-22	1 . STTP REPORT FH23	**2020-21:** 1.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

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							"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.NareshPradhan, Tata Consultancy Services on 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-VmwareVsphere 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. 5. IT department has organized a Faculty development Program on "Administration of Mongo DB and Overview of AWS" by Mr.SreejithSreedharan, Sr. Software Engineer, Oracle on 9th October

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							2021. 6. Organized one week AICTE-ISTE approved Self-Financed Short term training program on "Data science and visualization tools" from 6/12/2021 to 11/12/2021.7. ISTE Approved ONE WEEK STTP On "AR/VR from 19/6/23 to 24/6/23
	Training by faculty	5	2	5	4 WT and Sensor Lab Orientation Report.pdf	2 .	**2021-22** 1.Dr. K. Lakshmisudha ,Prof.Seema R and Prof.StutiAhuja 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. 2.Prof.LeenaLadge was resource person for Faculty Orientation program for the course "Computer Organization Architecture" (ECCDLO6012)- THIRD

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							YEAR- SEM VI organized by A C Patilcollege of Engineering. **2020-21:** Dr.K.Lakshmisudha, Ms.Mrinal conducted Faculty orientation in July2020 and Ms.LeenaLadge, Ms.Bushra S conducted faculty orientation in February 2021 on behalf of University of Mumbai. Ms.MrinalKhadse has conducted session in ISTE approved STTP on "Recent Trends in Wireless Technologies" from 18th Jan 2021 to 23rdJan 2021. **2019-20:** 1.Prof. Leena V. Ladge conducted session in STTP on Internet of Things, at Terna Engineering College, Nerul on Jan 02, 2020. 2. Prof. Lakshmisudha has Conducted Webinar on "How to measure attainment of Program Outcome (PO) and

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							Course Outcome (CO) from NAAC perspective"on May 15, 2020 for faculty and Principals of SIESNerul and Sion college. 2018-19: 1.Dr. Vijay Katkarand 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) 3. Prof. LeenaLadge has conducted orientation for IT faculty for the MEP & IOT mini project Lab at VIT, Mumbai on July 05, 2018. 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

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							IT from November 15-22, 2018, at SIESGST, Nerul. 5. Prof. Lakshmisudha was Guest speaker for faculty orientation program for the revised syllabus 2016 SE IT CBCGS organized By Terna Engineering College. Prof. Leena Ladge was Invited as a Resource Person for Faculty Orientation Programme (Online mode) of SEM-VI(IoT) for Subject RFID and Microcontrollers (IOTC602) and RFID and Microcontrollers Lab (IOTL602) on January 16th, 2023 ,Revised Syllabus of TE-IoT Sem-VI Rev-2019 'C' Scheme organized at Terna Engineering College on January 16, 2023. 2.Dr. Lakshmi Sudha Kondaka conducted a hands-on session on MOOCs and copyright on Friday (24/2/2023) for all IT faculties

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	Industry labs	Nil	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	2022-23	Remarks
4.1	**No. of students enroll for Certification/Diploma courses**	41	62	27	66	55	**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 **2020-21:** 27 Students enrolled for Network

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							Management and security Course. **2021-22:** 66 **2022-23:** 22students enrolled forNetwork Management and security Course, 14 students on Full stack web development course ,12 students enrolled on Skilldevelopment course ,07 students enrolled on Software engineering with Advanced DevOps
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	Provided	Provided at college level.
4.3	No. of student participation in extracurricular activities	15	10	18	22	29	Students participated in National Level project competition, SIH, SPIT Hackathon, Avishkar Convention, Workshops, SDP's, Conferences etc. Mr.Devang Mulye, Mr. Aditya and Ms Parakh , won 1st position in ByteCamp'23 with cash prize of 20,000/- for the project titled 'Trip Recommendation System' .-3 Mr.Shubham ,Mr.Dhiraj and Ms.Kruti

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							from TE IT won first prize in "IDEATION-2022 " on 30/9/2022 organized by SIESGST. -3 Mr.Pravin ,Mr.Aniket ,Mr.Dhairya and Mr.Shubham Sankpal from TE IT secured first prize in Project Competition on 30/9/2022, Organized by IT Department,SIESGST. -4 Ms.Prerna ,Ms. Shivani, Mr. Hariom ,Ms.Zeenia, Mr. Parth from SE IT secured first prize in Project Competition Organized on 30/9/2022 ,by IT Department,SIESGST. -4 Mr. Shrinivas ,Mr. Lakashmanan and Mr. Pranav from BE IT secured first prize in Project Competition Organized on 30/9/2022 ,by IT Department, SIESGST. -3 Mr.Ankur Rai and Mr.Shreyas kadam from TE IT secured Third prize in "IDEATION-2022 " on 30/9/2022 organized by SIESGST-2 Mr.Aman ,Mr.Rafe ,Mr.Sahil Shaikh from TE IT secured first runner up in

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							Project Competition Organized by on 30/9/2022, by IT Department,SIESGST . -3 Ms. Swaranjali,Ms. Gauri, Ms. Mahitha, Ms. Sai Pavani from BE IT secured first runner up in Project Competition Organized on 30/9/2022 ,by IT Department, SIESGST. 4
	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	Inter department events-6 Intra department events-1	**2022-23** ETE Students' Forum of SIES Graduate School of Technology has organized following activities: 1.A Panel Discussion on Entrepreneurship 2. Idea presentation Competition 3. Workshop on Leadership Development 4. PIntroduction to Data Science and Tools 5. Panel Discussion based on Alumni

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							6. Paper Presentation Competition **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 LaTex Workshop Techxter 11.0 Projexions 4.0 Flutter Workshop **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 Presentation, Ideation, BOOT CAMP.
	No of award/ medals won by students	1	2	1	2	17	**2021-22:** Ms.Arfah of BE IT is Winner of Squabble, national-level debate competition organized by IEEE SIESGST, TECHOPEDIA X, in March 2022. Mr.Aftaab Ahmed Sheikh and

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							Ms.ArfahUpade 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. BushraShaikh, in March 2022. **2020-21:** NithyaKannan Rahul Ganesh and AvantikaPawar 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. **2022-23:** Mr.DevangMulye, Mr. Aditya and Ms Parakh , won 1st position in ByteCamp'23 with cash prize of 20,000/- for the project titled 'Trip Recommendation System' .-3

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							Mr.Shubham ,Mr.Dhiraj and Ms.Kruti from TE IT won first prize in "IDEATION-2022 " on 30/9/2022 organized by SIESGST. -3 Mr.Pravin ,Mr.Aniket ,Mr.Dhairya and Mr.ShubhamSankpal from TE IT secured first prize in Project Competition on 30/9/2022, Organized by IT Department,SIESGST. -4 Ms.Prerna ,Ms. Shivani, Mr. Hariom ,Ms.Zeenia, Mr. Parth from SE IT secured first prize in Project Competition Organized on 30/9/2022 ,by IT Department,SIESGST. -4 Mr. Shrinivas ,Mr. Lakashmanan and Mr. Pranav from BE IT secured first prize in Project Competition Organized on 30/9/2022 ,by IT Department, SIESGST. -3
4.4	**No of activities undertaken**	10	6	10	22	23	Various activities like expert talks, workshops are undertaken to strengthen alumni engagement and enhance the student experience.

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	Awards and Recognition to students	1.	2	1	2	1	Mr.DevangMulye, Mr. Aditya and Ms Parakh , won 1st position in ByteCamp'23 with cash prize of 20,000/- for the project titled 'Trip Recommendation System' NithyaKannan Rahul Ganesh and AvantikaPawar 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%	79%	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% students placed in 2021-22 79% students placed in 2022-23
	Maximum salary	Rs. 5.5 LPA	Rs. 7 LPA	Rs. 27 LPA	10 LPA	8.5LPA	Continuum offered 5.5 LPA in 2018-19 , Paysense offered 7 LPA in 2019-20

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							and JTP offered 27 LPA in 2020-21. Connect wise offered 10 LPA in 2021-22 BrightBlu India Offered 8.5 LPA in 2022-23
	Median Salary	Rs. 3.5 LPA	Rs. 3.5 LPA	Rs. 3.6 LPA	4.5 LPA	5.2 LPA	
	No of skill development schemes to improve placement	2	3	1	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	4	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. 4 Students got admission in 2022-23 and Many are in process.
	Initiatives taken to assist students	Conducted higher studies	--	Conducted higher	GATE Coaching		Department faculty members Conducted higher studies awareness

	for higher studies	awareness seminar for final year students and conducted GATE coaching classes		studies awareness seminar for third year students at Institute level			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 2021-22	Conducted Regularly 2022-23	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.
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	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	Provided	Professional counsellor is available in the campus to counsell students. Also provides emergency medical services.
4.10	**Promote alumni**	Conducted	Conducted	Not	–	Conducted	2022-23

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	networking with students	Regularly	Regularly	Conducted			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 Alumni interaction was conducted for students on 4th January 2019. Alumni interaction was conducted for students on 6th January 2020. Alumni interaction was conducted for students on 9th July 2022.
	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	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 , 2021-22,2022-23 Mr.VinayVishwanath (VP, Lab Systems, Mumbai, 2011 batch) Mr. Karan Kapoor, (Business Development Associate, Autonxt Automation 2015 Batch)
	Alumni contribution	Alumni contribution as training,	Alumni contribution as	Alumni contributio n as	Alumni contribution as	Alumni Interaction sessions	Ms. Sonia Koneti, Business Analyst, Suryoday - The Small Finance Bank, Ms.PrajaktaHariharZaavde, LTI -

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		interaction, judging, monetary, etc.	training, interaction, judging, monetary, etc.	training, interaction, judging, monetary, etc.	training, interaction, judging, monetary, etc.	organized by IT department on 9/7/2022. Mr. Vinay Viswanath of 2011 pass out Associate Vice President, Lab systems has conducted session on "Entreprenuership guidance" in Alumni Interaction sessions organized by IT department on 9/7/2022. Rishi Iyer , Founder-Demacloid, CPO-Assurekit, Karan Kapoor,	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 ubey,KaranKapoor and ShivamLimaye were judges for event Ideation in October 2021. Expert talk is conducted by many alumni for academic Year 2018-19, 2019-20 , 2020-21 and 2021-22

						Co-Founder Sigmaflux, Shivam Limaye, Co-owner Foote invited a judge in panel discussion on 13/9/22	

Goal 5 To enhance contribution towards society and the environment

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	Remarks
5.1	**Number of students opting for the elective courses that address gender bias,**	NIL	03	NIL	15	EVS: 50	In 2018-19: no subject courses that address gender bias, nvironment and sustainability issues have been selected In 2019-20:,BE students have selected environment management as elective subject

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	environment and sustainability issues						that address environment and sustainability issues. In 2020-21:,BE students have selected environment management as elective subject that address environment and sustainability issues. In 2021-22:,BE students have selected environment management as elective subject that address environment and sustainability issues. In 2022-23:,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 2022-2023 five projects were developed to provide solutions to society.	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**	Enter	Enter Number	Enter Number	Enter Number	Enter Number	Implemented at college level.

	green campus initiatives &waste management.	Number					
5.4	**Number social initiatives contributing towards local community**	Enter Number	Enter Number	Enter Number	Enter Number	Enter Number	Implemented at college level.
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:	Enter the various measures taken:	Implemented at college level.

Goal 6	To initiate new courses at UG and PG level

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S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	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.	PG (Information Security) started in the year 2021-22.	Two PG Courses and Three UG courses were added from year 2021-22.

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	2022-23	Remarks
7.1	**Participate in NIRF, ARIIA, MHRD**	Participated	Participated	Participated	Participated	Participated	At college level
7.2	**IQAC Meetings**	Enter Number of	Enter Number of meetings	Enter Number of meetings	Enter Number of meetings	Enter Number of meetings	At college level

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		meetings					
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 mad	Enter if addition / updation of SOPs were mad	Enter if addition / updation of SOPs were mad	At college level
7.4	**Internal and External audits**	External Audit-1 Internal Audits-2	External Audit-1	External Audit-1 Internal Audit-1	External Audit-1 External Audit Report SH2021.pdf	External Audit-1 External Audit Report Internal Audit-1	**2022-23** External Academic audit conducted for SH2022 and FH2022 by Dr. M.M. Chandane on 09/02/2023. Internal Audit was conducted for SH2022 and FH 2022 on 27/03/2023 by Dr.Aparna B.and Dr.Varsha Patil. **2021-22** External Academic audit

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							conducted for SH2021and FH 2020 byDr. M.M. Chandane on 15/01/22. Internal Audit was conducted for SH20 and FH 2021 on 7/10/2021 by Dr.DeeptiReddy. External Academic audit conducted for FH2020 and SH 2020 byDr. 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

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							by Prof. Sumitra P and July 4, 2019 by Dr.Manasi K
7.5	**Participation of staff in training programmes**	19	57	119	21 Annual Report_IT dept_website_2021-22 _updated.docx	40 Annual Report IT 2022-23	Department is maintaining an annual report containing detailed information.
7.6	**Organization of STTPs/ FDPs/ training within Institute**	4	2	STTP -1 FDP-3	STTP- 1 FDP-1 STTP-2021-22	STTP-1 SDP- 1 ISTE Approved ONE WEEK STTP On "AR/VR" on 19/6/23 -24/6/23 STTP REPORT FH23	In 2020-21 following training program organised FDP on "Data Visualization using Tableau"on 24/10/2020 Faculty Development Program on "Software Development Processes" on 12/12/2020

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							ISTE Approved ONE WEEK STTP On "Recent Trends in Wireless Technologies" on 18/01/2021 - 23/01/2021 Orientation of COA on 10/02/2021 ONE WEEK STTP On "Data Science and Use of Visualization Tools" from 06/12/2021 to 11/12/2021. Faculty development Program on "Administration of Mongo DB and

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							Overview of AWS" on 09/10/2021. Faculty Orientation Programme of Wireless Technology & Sensor Lab(R-19)-SEM VI 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	List the measures taken	At college level

7.8	**Maintenance of Infrastructure**	Yes	Yes	Yes	Yes	Yes	Yes
7.9	**Regular updation of new lab equipment**	Yes	Yes	Yes	Yes	Yes	Yes
7.10	**Development of new infrastructure**	No	No	No	No	No	No
7.11	**No of faculty acquiring PhD**	1	1	1	1	1	1
7.12	**Awards and Recognitions to Institute**	Nil	Nil	Nil	Nil	Nil	
7.13	**Awards and Recognition**		1	2	1	1	Dr.Lakshmisudha has been selected

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	to faculty						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) 2. Ms.LeenaLadgeis an executive member of IETE Navi Mumbai centre. 2022-23 Prof. Seema Redekar secured second rank in Avishkar Research

							Convention in December 2022.
7.14	**Stakeholder feedback mechanism**	Yes	Yes	Yes	Yes	Yes	At college level
7.15	**Green Initiatives taken & Policies for same**	Yes	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 various ICT Tools for effective teaching learning process.
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

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		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. As per the above objectives following activities are carried out in the department: 1. All the final year projects to included Industry Reviewer to improve the quality of the projects as per Industry standards. List of projects with industry reviewer 2. Dr. K.Lakshmisudha along with students (Abhishek & Geetika from BE-IT) are developing a project titled "Packaging Material Testing Data Management System" for School of Packaging and received consultancy amount of Rs.10,000/- 3. Prof. Leena Ladge had organized "Panel Discussion 2022 - Entrepreneurship Development", under IETE Students' Forum in collaboration with EDC under MHRD, on September 13, 2022. 4. All the faculty members have arranged expert talk/ seminar/ workshop from the Industry expert. Activity List
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

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		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. It is continued in 2022-23.
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.

Objectives of the department for the Academic year 2023-24:

1. At least 90% of Final year projects to publish papers in Conferences/ Journals/copy right/ patent (Core depts).
2. National Conference /Symposium to be organized (H&AS).
3. All the faculty should be involved in conduction of Value-added courses.
4. At least one MOOC course should be developed by each faculty in the department.

HOD IT

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MECH

SIES Graduate School of Technology
RISE WITH EDUCATION

Mechanical Department

Deployment for AY 2022-23

Compliance report for the academic year 2022-23with respect to Strategic Plan 2018-2025

Goal 1	To enrich curriculum

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	Remarks
1. 1	**Department Advisory board**	One meeting conducted	One meeting conducted	One meeting conducted	One meeting conducted	One meeting conducted	To be conducted at least once a year.
1. 2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	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	Prepared in the beginning of every semester.
1. 4	**To enhance curriculum**	Conducted	Conducted	Conducted	Conducted	Conducted	

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Compliance report for the academic year 2022-23with respect to Strategic Plan 2018-2025

Goal 1	To enrich curriculum

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	Remarks
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1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	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	Prepared in the beginning of every semester.
1.4	**To enhance curriculum**	Conducted	Conducted	Conducted	Conducted	Conducted	

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	delivery beyond syllabus activities						
	Industrial Visits	10	5	Nil	03	10	
	Guest lectures	00	00	08	10	11	
	Internships	55	34	77	64	85	
	Problem-Based Learning	Implemented / Not implemented	Implemented / Not implemented	Implemented	Implemented	Implemented	
	Certificate programs	01	03	04	02	02	
	Student Seminars	12	8	10	12	12	
1.5	**To offer industry-oriented certification courses/projects**	Offered	Offered	Offered	Offered	Offered	
	MOOCs	123	66	30	30	42	

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	Value Added Courses	02	03	02	02	02	
	Industry Projects	11 \Groups, 44 Students	3 \Groups, 12 Students	04\Groups, 16 Students	04 per Groups, 76 Students	04 per Groups, 48 Students	
	Expert talks	12	8	10	10	11	
1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Implemented	Implemented	Shall be implemented every academic years based on the course / batch requirements.
1.7	Result Improvement	Compared to 2017-18: 17-18 18-19. +/- SE: 65.3 65.39 +0% TE: 94.80 82.89 -11.9% BE: 91.54 93.82 +2.28%	Compared to 2018-19: 18-19 19-20 +/- SE: 65.39 100 +5% TE: 82.89 100 -2% BE: 93.82 - +10%	Compared to 2017-18: 18-19 19-20. +/- SE: 65.39 100 +34.61% TE: 82.89 100 +17.11% BE: 93.82 100 +6.18%	Year / 20-21 / 21-22 / +/- SE / 100 / 71.43 / -28.57 TE / 100 / 95.75 / -4.25 BE / 100 / 96.05 / -3.95	Year / 21-22 / 22-23 / +/- SE / 71.43 / 21.57 / 49.86 TE / 95.75 / 63.77 / 31.98 BE / 96.05 / 96.92 / -0.87	
	Remedial session	Conducted	Conducted	Conducted	SE	Conducted	100

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	Extra classes for DSE	Conducted	Conducted	Conducted	TE	Conducted	100
	Preliminary Exam	Not conducted	Not conducted	Not conducted	BE	Conducted	100
	Additional practice assignment	Conducted	Conducted	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	Conducted	Conducted	
1.8	Academic Audit	Conducted.	Conducted	Conducted.	Conducted.	Conducted	To be conducted at least once a year
	Course file	Yes	Yes	Yes	Yes	Yes	
	Faculty file	Yes	Yes	Yes	Yes	Yes	
	Feedback	Yes	Yes	Yes	Yes	Yes	Conducted at least twice a year.

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SECTOR-V, NERUL, NAVI MUMBAI

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	2022-23	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	Developed	Developed	Developed	conducted based on the course / batch requirements
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	Done	Done	
	Development of e-content	Yes	Yes	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	No	No	No	
2.2	Transparency in continuous evaluation	Yes	Yes	Yes	Yes	Yes	The solution key shared is with students after the exam and the paper evaluation is discussed in the class.

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2.3	Attendance Monitoring systems	Yes	Yes	Yes	Yes	Yes	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Library automat ion consists of:	Library automa tion consists of:	Library automa tion consists of:	Library automati on consists of:	Library automation consists of:	Centrally made available

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	2022-23	Remarks
3.1	**To strengthen research activities in the institute**	Activities have been conducted to strengthen research activties.	Activities have been conducted to strengthen research activties.	Activities have been conducted to strengthen research activties.	Activities have been conducted to strengthen research activties.	Activities have been conducted to strengthen research activties.	Also mention any additional activities conducted to strengthen research activities
	Research conference and	8	6	12	12	14	

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	research symposium /STTP						
	Sponsorship to faculty to encourage participation in research activities on and off-campus	01 faculty Rs. 4500/-	nil	nil	nil	nil	
	Sponsored research through research proposals	02	02	nil	nil	nil	No minor research grants sanctioned by University due to pandemic
	Number of research papers in conferences	05	04	09	13	12	
	Number of research papers in journal	Enter Number of papers in UGC Journals:04 All Journals:04	Enter Number of papers in UGC Journals:04 All Journals:04	Enter Number of papers in UGC Journals:08 All Journals:12	Enter Number of papers in UGC Journals:04 All Journals:19	Enter Number of papers in UGC Journals:02 All Journals:12	
	Books written	02	01	02	05	07	

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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.	E – Cell is functional	E – Cell is functional	E – Cell is functional	
3.3	**Partnership between industry/ reputed organizations/**	Good partnerships established	Excellent Partnerships established	Good partnerships established	Good partnerships established	Good partnerships established	
	Internships	30	54	77	64	79	
	Consultancy work	---	01	---	---	01	
	Industry projects	11 students industry sponsored projects	05 students industry sponsored projects	08 students industry sponsored projects	08 students industry sponsored projects	10 students industry sponsored projects	
	MOU	05	05	00	00	00	No MOU signed due to covid lockdown
	Expert session/seminars	09	06	07	07	15	

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	Short term courses	02	03	01	01	01	
	Value-added courses	00	00	04	04	03	
	Training program for faculty	01	01	01	01	01	
	Training by faculty	01	01	00	00	00	
	Industry labs	00	00	00	00	00	

Goal 4	To strengthen alumni engagement and enhance the student experience

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	Remarks
4.1	No. of students enroll for Certification/Diploma courses	15	107	71	75	60	Coursera and NPTEL

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4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	67	79	21	34	31	
	No of program organized by the institute	01	01	02	02	02	
	No of award/ medals won by students	03	02	01	07	08	
4.4	No of activities undertaken	03	04	05	05	05	
	Awards and Recognition to students	01 -Participated in National level event all-terrain vehicle competition BAJA 2019 at Ropar, Punjab during January 2019 and secured	02 Achievement - Participated in National level event all-terrain vehicle competition BAJA	01	04	08	Participated in National level event and University level competition

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		1st in Mumbai, Overall rank 14, AIR 2 in Sales event, AIR 2 in Design event, 13th in Endurance.	2020 at Indore during 22-26 January 2020 and secured **1st in Mumbai, AIR 8th in maneuver, AIR 6th in endurance and overall AIR 11th rank at national level.** - Participated in National level event all-terrain vehicle competition ATVC				

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			2020 at Vadodara, Gujarat during 15-19 February 2020 and secured **AIR 1 in Suspension & Traction, AIR 1 in Cost, AIR 1 in Mega Marketing Round, AIR 4 in Maneuverability, AIR 3 in Endurance and overall AIR 3rd rank at national level. Bagged Prize total Rs.**				

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			1.29 Lakhs				
4.5	Percentage of student placed	30.6 %	11 %	22%	56%	33% placement still continue	Because of covid pandemic placement was less in core companies
	Maximum salary	Rs. 6.2 Lac	Rs. 4.0 Lac	Rs. 6.6 Lac	Rs. 6.6 Lac	8.0 lakhs	
	Median Salary	Rs. 2.4 Lac	Rs. 3.0 Lac	Rs. 3 Lac	Rs. 3 Lakh	4 lakh	
	No of skill development schemes to improve placement	1	2	4	4	3	
4.6	No of students pursuing higher studies	6	1	7	12	18	
	Initiatives taken to assist students for higher studies	Given guidance for GATE preparation Invited experts to guide them for higher studies	Given guidance for GATE preparation Invited experts to guide them for	Given guidance for GATE preparation Invited experts to guide them for	Given guidance for GATE preparation Invited experts to guide them for	Given guidance for GATE preparation Invited experts to guide them for higher studies	

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		Mentors have done counselling and given LOR to many students	higher studies Mentors have done counselling and given LOR to many students	higher studies Mentors have done counselling and given LOR to many students	higher studies Mentors have done counselling and given LOR to many students	Mentors have done counselling and given LOR to many student	
4.7	Mentor Mentee interactions	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	
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	Developed by students known as Portal Companion	
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	Provided	Provided	
4.10	Promote alumni networking with students	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly	

	Alumni association and measures to enhance members	Alumni association exists and following are the measures taken: Membership drive was conducted by Alumni association	Alumni associatio n exists and following are the measures taken: Members hip drive was conducte d by Alumni associatio n	Alumni associatio n exists and following are the measures taken: Members hip drive was conducte d by Alumni associatio n	Alumni associatio n exists and following are the measures taken: Members hip drive was conducted by Alumni associatio n	Alumni association exists and following are the measures taken: Membership drive was conducted by Alumni association	
	Alumni contribution	Alumnis are regularly interacting with students and giving seminars on placement, current industrial scenario and technical seminars. They are involved in giving	Alumnis are regularly interactin g with students and giving seminars on placement , current industrial scenario and	Alumnis are regularly interactin g with students and giving seminars on placement , current industrial scenario and	Alumnis are regularly interactin g with students and giving seminars on placement , current industrial scenario and	Alumnis are regularly interacting with students and giving seminars on placement, current industrial scenario and technical seminars. They are involved in giving	

		technical training in software like solid works and Ansys etc.	technical seminars. They are involved in giving technical training in software like solid works and Ansys etc.	technical seminars. They are involved in giving technical training in software like solid works and Ansys etc.	technical seminars. They are involved in giving technical training in software like solid works and Ansys etc.	technical training in software like solid works and Ansys etc.	

Goal 5	To enhance contribution towards society and the environment

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	73	146	76	60	64	

5.2	Number of projects relevant to society to provide solutions	5	3	6	10	08	
5.3	Number of green campus initiatives & waste management.	3	5	3	3	4	
5.4	Number social initiatives contributing towards local community	-02 blood donation camp and NSS camp -Under the ISR activities, 25 Underprivileged students were trained for the course of A/C Mechanic, Welder, Carpenter	-03 blood donation camp and NSS camp 1 lakh Mask were distributed to NMMC -Under the ISR activities, 20 Underprivileged students were trained for the course of A/C Mechanic	-01 NSS camp -Under the ISR activities, 1 lakh Mask distributed to NMMC - tree plantation done in the institute	-01 NSS camp -Under the ISR activities, 1 lakh Mask distributed to NMMC - tree plantation done in the institute	01 NSS camp -Under the ISR activities, - Underprivileged students were trained for the course of A/C Mechanic, Welder, Carpenter tree plantation done in the institute	

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			, Welder, Carpenter				
5.5	Measures to improve waste disposal and e-waste collection	In campus bio compost pits are installed & maintained which produces manure for gardening Plastic bottle collection machine is installed in campus	In campus bio compost pits are installed & maintained which produces manure for gardening Plastic bottle collection machine is installed in campus Paperless drive is initiated in campus	In campus bio compost pits are installed & maintained which produces manure for gardening Plastic bottle collection machine is installed in campus	In campus bio compost pits are installed & maintained which produces manure for gardening Plastic bottle collection machine is installed in campus	In campus bio compost pits are installed & maintained which produces manure for gardening Plastic bottle collection machine is installed in campus	

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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	2022-23	Remarks
6.1	Complete accreditation process	NAAC Accreditation Process completed with B++	NBA Accreditation to be completed	Got NBA Accreditation till 2024	NAAC Accreditation Process completed with B++, NBA accreditation is complete valid till 2024	NAAC Accreditation Process completed with B++, NBA accreditation is complete valid till 2024	

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	2022-23	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	Participated	Participated	

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7.2	**IQAC Meetings**	02	02	02	04	04	
7.3	Add / Update the organizational standard operating processes	--	--	--	--	--	
7.4	Internal and External audits	02 internal & 01 external	02 internal & 01 external	02 internal & 01 external	02 internal & 01 external	02 internal & 01 external	
7.5	Participation of staff in training programmes	12	12	12	12	13	
7.6	Organization of STTPs/ FDPs/ training within Institute	03	04	02	02	03	
7.7	Strengthening library & Increasing learning resources	List the measures taken	List the measures taken	List the measures taken	List the measures taken	List the measures taken	
7.8	Maintenance of Infrastructure	Yes	Yes	Yes	Yes	Yes	

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7.9	Regular updation of new lab equipment	Yes	Yes	Yes	Yes	Yes	
7.10	Development of new infrastructure	Yes New equipment in lab are added	Yes New equipments in labs are added	Yes New equipment in lab are added	Yes New equipment in lab are added	Yes New equipment in lab are added	Mention the new infrastructure in brief
7.11	No of faculty acquiring PhD	02	03	04	02	01	
7.12	Awards and Recognitions to Institute	NAAC accreditation	NAAC accreditation	NAAC & NBA accreditation	NAAC accreditation	NAAC accreditation	Mention some notable achievements
7.13	Awards and Recognition to faculty	01	Nil	01	01	01	Dr. R.S. Nehete elected as NC member of IIIE
7.14	Stakeholder feedback mechanism	Yes	Yes	Yes	Yes	Yes	
7.15	Green Initiatives taken & Policies for same	Yes	Yes	Yes	Yes	Yes	

Head of Department
Mechanical Engineering Department
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ECS Department

SIES Graduate School of Technology
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Deployment data for AY 2022-23 of ECS Department. Compliance report for the academic year 2022-23with respect to Strategic Plan 2018-2025.

Goal 1	To enrich curriculum

S. No	Strategic Objectives	2021-22	2022-23	Remarks
1.1	Department Advisory board	NIL	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	Done for SE, TE Courses	To be done for every batch at the beginning of the academic year.
1.3	Academic-Activity Calendar	Prepared	Prepared	Prepared in the beginning of every semester.
1.4	To enhance curriculum delivery beyond syllabus activities	NIL	conducted 05 expert talks for students	ethical hacking, Insights, cybersecurity, neural networks and GATE seminar
	Industrial Visits	0	1	Institute level IV
	Guest lectures	3	05	Guest lectures are targeted to bridge the curriculum gap identified
	Internships	18	16	Internship opportunities are floated during the semester

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				for which interested students apply for their knowledge enhancement
	Problem-Based Learning	Implemented Problem based learning	Implemented	Case studies discussion and designing problems to enhance learning experience
	Certificate programs	nil	nil	Programs based on the skills development relevant to the needs of Industry
	Student Seminars	3	6	Seminars are conducted on the topic beyond syllabus but closely related to the contents
1.5	To offer industry-oriented certification courses/projects	Offered	Offered	
	MOOCs	Nil	07	Institute Level: Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	Nil	01	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	Nil	Student's major projects are based on the problem provided by the industry.
	Expert talks	3	6	Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used

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1.6	Innovative teaching methods	Implemented	Implemented	Shall be implemented every academic year based on the course / batch requirements.
1.7	Result Improvement	N/A	N/A	Substantial improvement is observed in the result for academic year 20-21 and 2021-22
	Remedial session	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	They are planned and conducted during Ganpati vacations and after the regular timetable on daily basis
	Preliminary Exam	Conducted EC_Paper_Prelims.docx	Not Conducted	Shall be conducted based on the course / batch requirements
	Additional practice assignment			
	Extra lectures for difficult subjects			
1.8	Academic Audit	Nil	Yes	To be conducted at least once a year
	Course file	Nil	Yes	Academic audit includes semester wise course file and personal file
	Faculty file	Nil	Yes	

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	Feedback	2	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

S. No	Strategic Objectives	2021-22	2022-23	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	Innovative teaching methods were used like Flipped classroom in subject linux skill lab, C programming, DWM, AI, STQA, COA, DBMS, DSA, case studies in subjects DBMS and AI 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	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.	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.	Nil	
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	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	Defaulters' list taken at regular intervals. Typically, thrice in a semester.
2.4	Automated library	Yes	Yes	Centrally made available

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

S. No	Strategic Objectives	2021-22	2022-23	Remarks

3.1	To strengthen research activities in the institute	Technical report writing for SE mini-Project	Technical report writing for SE & TE mini-Project	Project guide mentored their project groups in writing project report
	Research conference and research symposium /STTP	Nil	Nil	Conferences workshop attended/ Mooc Courses completed
	Sponsorship to faculty to encourage participation in research activities on and off-campus	No Sponsorship	No Sponsorship	
	Sponsored research through research proposals	NA	NA	Minor research grant by university of Mumbai.
	Number of research papers in conferences	Nil	Nil	
	Number of research papers in journal	Nil	Nil	
	Books written	Nil	Nil	
3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/start-up Activities	Nil	Nil	

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3.3	Partnership between industry/ reputed organizations/	Nil	MoU one signed	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence
	Internships	18	16	Project based Internships are carried out in the industry or on the technologies used in the industry.
	Consultancy work	Nil	Nil	
	Industry projects	Nil	Nil	
	MOU	Nil	01	
	Expert session/seminars	3	6	
	Short term courses	Nil	Nil	Workshops conducted by IIT Bombay remote centre for faculty members and by professional body CSI for students.
	Value-added courses	0	01	
	Training program for faculty	1(Mini Project orientation)	01	Mini Project Orientation was conducted under Mumbai

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				university
	Training by faculty	Nil	Nil	By being Resource for workshops and FDPs
	Industry labs	NIL	Nil	

Goal 4	To strengthen alumni engagement and enhance the student experience

S.No	Strategic Objectives	2021-22	2022-23	Remarks
4.1	No. of students enrol for Certification/Diploma courses	13	21	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus	Yes	Yes	
4.3	No. of student participation in extracurricular activities	20	15	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon,
	No of program organized	Nil	Nil	

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	by the institute			
	No of award/ medals won by students	22	20	
4.4	No of activities undertaken	Nil	Nil	
	Awards and Recognition to students	48 NAAC 5.3.1_5.3.3.1_21-22.xlsx	5 NAAC_5.3.1_5.3.3.1_21-22 and 2022-2023.xlsx	
4.5	Percentage of student placed	Nil	Nil	
	Maximum salary	Nil	Nil	
	Median Salary	Nil	Nil	
	No of skill development schemes to improve placement	Nil	Nil	
4.6	No of students pursuing	Nil	Nil	

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	higher studies			
	Initiatives taken to assist students for higher studies	Nil	Nil	
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	
4.8	Online student portal for academic and non-academic activities	Arena for Codeshef SIESGST	Arena for Codeshef SIESGST	
4.9	Professional Counselling and emergency medical service to the students on campus	Available	Available	Mentor and class in charges identified students for counselling and provided professional counselling
4.10	Promote alumni networking with students	Nil	Nil	
	Alumni association and measures to enhance members	Nil	Nil	

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Sector-V, Nerul, Navi Mumbai- [illegible]

	Alumni contribution	Nil	Nil	

Goal 5	To enhance contribution towards society and the environment

S.No	Strategic Objectives	2021-22	2022-23	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	Nil	Nil	
5.2	Number of projects relevant to society to provide solutions	06 for SE Request to maintain separate excel sheet for the tittle and student name whose projects we are considering. SE_ Student Mini Project Details .xlsx	06 for TE Request to maintain separate excel sheet for the tittle and student name whose projects we are considering. TE _Student Mini Project Details .xlsx	SE Mini project had objective towards providing solution to the societal problems

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5.3	Number of green campus initiatives & waste management.	-	-	2018-19: e-journal submission, carpooling 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

S.No	Strategic Objectives	2021-22	2022-23	Remarks
6.1	Complete accreditation process	Nil	Nil	

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

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S.N o	Strategic Objectives	2021-22	2022-23	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Nil	Nil	
7.2	**IQAC Meetings**	2	2	
7.3	Add / Update the organizational standard operating processes	PI included in QP	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	01	NBA audit and Academic audit
7.5	Participation of staff in training programs	2	3	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	3	one orientation program	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

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				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	Departmental Library available for faculties and students	
7.8	Maintenance of Infrastructure	Nil	Nil	
7.9	Regular updating of new lab equipment	Yes	Yes	
7.10	Development of new infrastructure	Nil	yes	
7.11	No of faculty acquiring PhD	Nil	Nil	
7.12	Awards and Recognitions to Institute	NA	NA	Mention some notable achievements
7.13	Awards and Recognition to faculty	NA	NA	Mention some notable achievements

SIES GRADUATE SCHOOL OF TECH. NERUL NAVI MUMBAI

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Sector-V, Nerul, Navi Mumbai-4

7.14	Stake holder feedback mechanism	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	Yes	Yes	2018-19: e-journal submission, carpooling 2019-20: reduction in use of plastic water bottles and tiffin's, E-documentation
	Institute Level Objectives	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.	1. Each department should have at least one consultancy project with industry, one live project (College Level/SIES group colleges). 2. Each faculty should publish at least one paper in reputed conferences/ Journals. And At least 50% of the total number of faculty should submit	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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7.14	Stake holder feedback mechanism	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	Yes	Yes	2018-19: e-journal submission, carpooling 2019-20: reduction in use of plastic water bottles and tiffin's, E-documentation
	Institute Level Objectives	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.	1. Each department should have at least one consultancy project with industry, one live project (College Level/SIES group colleges). 2. Each faculty should publish at least one paper in reputed conferences/ Journals. And At least 50% of the total number of faculty should submit	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

		3. Revenue generation through consultancy/MOU's/ Alumni by every department as per NAAC/NBA requirement. 4. Each department to include at least two value added courses or certificate programs in the emerging areas to enrich the curriculum.	research proposal in each department. 3. IEEE International conference should be organized in every three years. 4. Each department should get at least 3 MOUs with Industry/Educational Institutes in a year and arrange one expert talk/Industrial visit/Internship/Project from Industry/ Educational Institutes.	
	Objectives at department Level to achieve strategic goals	1. To improve technical skills of the students in the field of computer and electronics field.	1. At least 90 percentage of Final year students publish papers in Conferences/ Journals/copy right/ patent.	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

		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.	2. National conference /Symposium Should be organized (FE). 3. All the faculty should be involved in conduction of Value added courses . 4. At least one MOOC course should be developed by each faculty in the department. 5. Revenue generation through Consultancy by each department 6. To conduct activities under MoU	

AIDS

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Deployment data for AY 2022-23 of AIDS Department. Compliance report for the academic year 2022-23 with respect to Strategic Plan 2018-2025.

Goal 1	To enrich curriculum

S. No	Strategic Objectives	2022-23 SE	Remarks
1.1	**Department Advisory board**	NA	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 SECourse	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**	Seminar beyond syllabus, SDP for students	Subject Seminar, SDB on Mobile Application Development

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	Industrial Visits	0	Institute level IV
	Guest lectures	03	Guest lectures are targeted to bridge the curriculum gap identified. Data Strcuture, cybersecurity and Devops
	Internships	07	Internship opportunities are floated during the semester for which interested students apply for their knowledge enhancement
	Problem-Based Learning	Implemented: AOA questions based on Gate, Problems in OS	Discussion and designing problems to enhance learning experience
	Certificate programs	No	-
	Student Seminars	All students for Sem 3 & 4	Seminars are conducted on the topic beyond syllabus but closely related to the contents
1.5	To offer industry-oriented certification courses/projects		
	MOOCs	NA	Institute Level: Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute

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	Value Added Courses	01	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	1	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.
1.7	Result Improvement	NA	Substantial improvement is observed in the result for academic year 22-23 and 2023-24
	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

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	Preliminary Exam	Practical Mock Test	Shall be conducted based on the course / batch requirements
	Additional practice assignment		
	Extra lectures for difficult subjects		
1.8	Academic Audit	Yes	To be conducted at least once a year
	Course file	Yes	Academic audit includes semester wise course file and personal file
	Faculty file	Yes	
	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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S. No	Strategic Objectives	2022-23	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Innovative teaching methods were used like Gate questions for AOA	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, Presentations, 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	Yes	
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.

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			Typically, thrice in a semester.
2.4	Automated library	Yes	Centrally made available

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

S. No	Strategic Objectives	2022-23	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	02	Conferences workshop attended/ Mooc Courses completed
	Sponsorship to faculty to encourage participation in research activities on and	No Sponsorship	

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			students.
	Value-added courses	01	
	Training program for faculty	00	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	2022-23	Remarks
4	No. of students enroll for	19	SDP/Coursera /NPTEL/Udemy

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4.5	Percentage of student placed	NA	
	Maximum salary	NA	
	Median Salary	NA	
	No of skill development schemes to improve placement	NA	
4.6	No of students pursuing higher studies	NA	
	Initiatives taken to assist students for higher studies	Nil	
4.7	Mentor Mentee interactions	Conducted Regularly: Min 2 meeting in a semester along with PTM	
4.	Online student portal for academic and non-academic	Arena for Codeshef SIESGST	

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THY VIDYAPUR

8	activities		
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	NA	
	Alumni association and measures to enhance members	NA	
	Alumni contribution	NA	

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Goal 5	To enhance contribution towards society and the environment

S. No	Strategic Objectives	2022-23	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	NA	
5.2	Number of projects relevant to society to provide solutions	06	SE Mini project had objective towards providing solution to the societal problems. To maintain separate excel sheet for the tittle and student name whose projects we are considering.
5.3	Number of green campus initiatives & waste management.	-	2022-23 : e-journal submission, car pooling 2022-23 : reduction in use of plastic water bottles and tiffin's ,E-documentation

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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

S. No	Strategic Objectives	2022-23	Remarks
6.1	Complete accreditation process	Nil	

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

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S. No	Strategic Objectives	2022-23	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	02 (Internal Audit)	Academic audit
7.5	Participation of staff in training programs	3	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	one orientation program	AICTE -ISTE approved STTP Expert Session on Awareness of Internship FDP Conducted Mini project 1A orientation for ECS

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			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	Nil	
7.8	Maintenance of Infrastructure	Nil	
7.9	Regular updating of new lab equipment	Yes	
7.10	Development of new infrastructure	yes	
7.11	No of faculty acquiring PhD	00	
7.1	Awards and Recognitions to	NA	Mention some notable achievements

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2	Institute		
7.1 3	Awards and Recognition to faculty	NA	Mention some notable achievements
7.1 4	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.
7.1 5	Green Initiatives taken & Policies for same	Yes	2022-23: e-journal submission, car pooling 2022-23: reduction in use of plastic water bottles and tiffin's, E-documentation
	Institute Level Objectives	1Planning for organizing International conference in 2023-24. 2.Design and development of at least six MOOC courses (4 quadrants). 3.Revenue generation through Consultancy by each department.	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.Strengthen industry connect through Internships/ Projects/ Industry mentors/ MoUs.	
	Objectives at department Level to achieve strategic goals	To inculcate research culture among faculty and Students by faculty and students publications (at least 5). To provide internships opportunities for students by communicating and collaborating with Industry. One value added on cutting edge technologies	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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AIML

SIES Graduate School of Technology

RISE WITH EDUCATION

Deployment data for AY 2022-23 of AIML Department. Compliance report for the academic year 2022-23 with respect to Strategic Plan 2018-2025.

Goal 1	To enrich curriculum

S. No	Strategic Objectives	2022-23 SE	Remarks
1.1	**Department Advisory board**	NA	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 Course	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**	Seminar beyond syllabus, SDP for students	Subject Seminar, SDB on Advance Python Libraries

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	Industrial Visits	0	Institute level IV
	Guest lectures	01	Guest lectures are targeted to bridge the curriculum gap identified. Data Strcuture
	Internships	05	Internship opportunities are floated during the semester for which interested students apply for their knowledge enhancement
	Problem-Based Learning	Implemented: Flipped Labs (Python), DBMS Queries	Case studies discussion and designing problems to enhance learning experience
	Certificate programs	Yes	Programs based on the skills development relevant to the needs of Industry. Android Workshop, Django Workshop
	Student Seminars	10	Seminars are conducted on the topic beyond syllabus but closely related to the contents
1.5	To offer industry-oriented certification courses/projects		
	MOOCs	01	Institute Level: Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute

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	Value Added Courses	01	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	1	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.
1.7	Result Improvement	NA	Substantial improvement is observed in the result for academic year 22-23 and 2023-24
	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

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SECTOR-V, NERUL, NAVI MUMBAI-400 706.

	Preliminary Exam	Practical Mock Test	Shall be conducted based on the course / batch requirements
	Additional practice assignment		
	Extra lectures for difficult subjects		
1.8	Academic Audit	Yes	To be conducted at least once a year
	Course file	Yes	Academic audit includes semester wise course file and personal file
	Faculty file	Yes	
	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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S. No	Strategic Objectives	2022-23	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Innovative teaching methods were used like Flipped classroom in subject Skill Lab (Python) and Quesries for DBMS 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	Yes	
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.

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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

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

S. No	Strategic Objectives	2022-23	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	No Sponsorship	

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	encourage participation in research activities on and off-campus		
	Sponsored research through research proposals	Nil	Minor research grant by university of Mumbai.
	Number of research papers in conferences	Nil	
	Number of research papers in journal	Nil	
	Books written	Nil	
3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/start-up Activities	Nil	

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3.3	Partnership between industry/ reputed organizations/	Nil	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence
	Internships	05	Project based Internships are caarchanrried out in the industry or on the technologies used in the industry.
	Consultancy work	Nil	
	Industry projects	Nil	
	MOU	00	
	Expert session/seminars	01	
	Short term courses	Nil	Workshops conducted by IIT Bombay remote centre for faculty members and by professional body CSI for

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			students.
	Value-added courses	01	
	Training program for faculty	00	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	2022-23	Remarks
4	No. of students enroll for	28	SDP/Coursera /NPTEL/Udemy

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.1	Certification/Diploma courses		
4.2	Facilities for recreation, and sports on campus	Nil	
4.3	No. of student participation in extracurricular activities	10	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon,
	No of program organized by the institute	Nil	
	No of award/ medals won by students	10	
4.4	No of activities undertaken	Nil	
	Awards and Recognition to students	NIL	

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4.5	Percentage of student placed	NA	
	Maximum salary	NA	
	Median Salary	NA	
	No of skill development schemes to improve placement	NA	
4.6	No of students pursuing higher studies	NA	
	Initiatives taken to assist students for higher studies	Nil	
4.7	Mentor Mentee interactions	Conducted Regularly: Min 2 meeting in a semester along with PTM	
4.	Online student portal for academic and non-academic	Arena for Codeshef SIESGST	

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8	activities		
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	NA	
	Alumni association and measures to enhance members	NA	
	Alumni contribution	NA	

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Goal 5	To enhance contribution towards society and the environment

S. No	Strategic Objectives	2022-23	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	NA	
5.2	Number of projects relevant to society to provide solutions	06	SE Mini project had objective towards providing solution to the societal problems. To maintain separate excel sheet for the tittle and student name whose projects we are considering.
5.3	Number of green campus initiatives & waste management.	-	2022-23 : e-journal submission, car pooling 2022-23 : reduction in use of plastic water bottles and tiffin's ,E-documentation

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SECTOR 5, NERUL, NAVI MUMBAI-400 706.

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

S. No	Strategic Objectives	2022-23	Remarks
6.1	Complete accreditation process	Nil	

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

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S. No	Strategic Objectives	2022-23	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	02 (Internal Audit)	Academic audit
7.5	Participation of staff in training programs	4	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	one orientation program	AICTE -ISTE approved STTP Expert Session on Awareness of Internship FDP Conducted Mini project 1A orientation for ECS

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			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	Nil	
7.8	Maintenance of Infrastructure	Nil	
7.9	Regular updating of new lab equipment	Yes	
7.10	Development of new infrastructure	yes	
7.11	No of faculty acquiring PhD	01	
7.1	Awards and Recognitions to	NA	Mention some notable achievements

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2	Institute		
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	2022-23: e-journal submission, car pooling 2022-23: reduction in use of plastic water bottles and tiffin's, E-documentation
	Institute Level Objectives	1Planning for organizing International conference in 2023-24. 2.Design and development of at least six MOOC courses (4 quadrants). 3.Revenue generation through Consultancy by each department.	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.Strengthen industry connect through Internships/ Projects/ Industry mentors/ MoUs.	
	Objectives at department Level to achieve strategic goals	1.Conduct at least one Workshop/Hands, seminar on emerging topics inclined to Second Year Subjects (Android, Django framework) 2.Conduct at least one SDP programs on emerging technologies 3.Arrange talk on Internship opportunities.	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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IoT

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Deployment data for AY 2022-23 of CSE IOT Department. Compliance report for the academic year 2022-23 with respect to Strategic Plan 2018-2025.

Goal 1	To enrich curriculum

S. No	Strategic Objectives	2022-23	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	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**		

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	Industrial Visits	00	Institute level IV
	Guest lectures	NIL	
	Internships		Internship opportunities are floated during the semester for which interested students apply for their knowledge enhancement
	Problem-Based Learning	Implemented	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	8	Seminars are conducted on the topic beyond syllabus but closely related to the contents
1.5	To offer industry-oriented certification courses/projects		
	MOOCs	NIL	Institute Level: Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	01 SDP on Cloud Computing	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

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	Industry Projects	NIL	Student's major projects are based on the problem provided by the industry.
	Expert talks	01 DEVOPS	Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used
1.6	Innovative teaching methods	NIL	Shall be implemented every academic year based on the course / batch requirements.
1.7	Result Improvement	N/A	Substantial improvement is observed in the result for academic year 2022-23 and 2023-24
	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	Not Conducted	Shall be conducted based on the course / batch requirements
	Additional practice assignment		
	Extra lectures for difficult subjects		

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1.8	Academic Audit	Yes	To be conducted at least once a year
	Course file	Yes	Academic audit includes semester wise course file and personal file
	Faculty file	Yes	
	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

S. No	Strategic Objectives	2022-23	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Innovative teaching methods were used like Flipped classroom in subject linux skill lab, C programming, DWM, AI,	conducted based on the course / batch requirements

		STQA, COA, DBMS, DSA, case studies in subjects DBMS and AI were conducted	
	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	NIL	
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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Goal 3	To encourage research and consultancy, industry-institute interaction and entrepreneurship activities

S. No	Strategic Objectives	2022-23	Remarks
3.1	To strengthen research activities in the institute	Technical report writing for SE & TE 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	NIL	
	Sponsored research through research proposals	NIL	Minor research grant by university of Mumbai.

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NERUL, NAVI MUMBAI

	Number of research papers in conferences	NIL	
	Number of research papers in journal	NIL	
	Books written	01	DBMS
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		Project based Internships are carried out in the industry or on the technologies used in the industry.
	Consultancy work	NIL	

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	Industry projects	NIL	
	MOU	NIL	
	Expert session/seminars	NIL	
	Short term courses	NIL	Workshops conducted by IIT Bombay remote centre for faculty members and by professional body CSI for students.
	Value-added courses	01	
	Training program for faculty	01	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

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Sr. No	Strategic Objectives	2022-23	Remarks
4.1	No. of students enroll for Certification/Diploma courses	NA	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus	NA	
4.3	No. of student participation in extracurricular activities	01	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon, Sports
	No of program organized by the institute	Nil	
	No of award/ medals won by students	Nil	
4.4	No of activities undertaken	Nil	
	Awards and Recognition to	Nil	

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	students		
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	

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	

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Goal 5	To enhance contribution towards society and the environment

S. No	Strategic Objectives	2022-23	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 & TE	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.	Measures to improve waste	-	

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5	disposal and e-waste collection		

Goal 6	To initiate new courses at UG and PG level

S. No	Strategic Objectives	2022-23	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	2022-23	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	01	NBA audit and Academic audit
7.5	Participation of staff in training programs	3	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	one orientation program	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	

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7.8	Maintenance of Infrastructure	Nil	
7.9	Regular updating of new lab equipment	Yes	
7.10	Development of new infrastructure	yes	
7.11	No of faculty acquiring PhD	Nil	
7.12	Awards and Recognitions to Institute	NA	Mention some notable achievements
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		For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.
	Objectives at department Level to achieve strategic goals		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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