EXTC Department

Deployment for AY 2023-24

Compliance report for the academic year 2023-24 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**	**23-24**	**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	One meeting conducted 24-Feb-24 Agenda of DAB_24Feb24	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	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	Prepared in the beginning of every semester.
1.4	**To enhance curriculum delivery beyond syllabus activities**	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted	Some activities are conducted like poster presentations, Simulations,Seminars,Case studies etc.
	Industrial Visits	2	4	--	10	3	4	Students will get experiential learning by IV to understand different electronics and

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								communicatio n concepts
	Guest lectures	4	-	1	6	7	16	To enhance the knowledge related to subject
	Internships	74	62(industry internships) +143(SDPs)	55(industry internship) + 53 (SDP)	65(SDP), 58(Industry)	30(industry) 67(SDP)	37 (Industry)	Students take up internship in the vacation
	Problem-Based Learning	Implemented	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	50	Students undergo different certificate programs

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								during summer and winter vacations as per their area of interest.
	Student Seminars	9	4	17	14	7	16	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	Offered	.
	MOOCs	6(NPTEL)	7(NPTEL)+200(Courseera and UDEMy	86(coursera)	13	15	5(Udemy)+ 5(Coursera)	NPTEL,Coursera,Udemy

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	Value Added Courses	1	0	2	4	4	4	Students will learn the concepts with hands on session.
	Industry Projects	0	0	2	2	10	1	Student get the opportunity to work with industry experts.
	Expert talks	9	11	1	6	7	16	Students benefit : exploring current scenarios in industry.
1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Implemented	Implemented	Implemented	implemented every academic years based on the course / batch requirements. For example TPS, Flipped classroom,

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								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, 67 -11% TE: 83, 86 3% BE: 96.71, 88 -8.71%	Compared to 2022-23: 22-23, 23-24 SE: 67, 72 5% TE: 86, 92 6% BE: 88, 81.81 -6.19%	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.

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	Remedial session	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted	All the faculty of the department conduct remedial session
	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted for all six subjects
	Preliminary Exam	Not conducted	Not conducted	Not conducted	Conducted	Not conducted	Not Conducted	Shall be conducted based on the course / batch requirements
	Additional practice assignment	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted	
1.8	Academic Audit	Conducted on 25/05/2019 for the AY 2017-18 by Dr. S. S. Rathod,	Conducted on 28/11/2019 for the AY 2018-19 by Dr. D. V. Bhoir, Fr.	1. 22/1/2021 for the AY 2019-20, 2. Conducted on 5/2/2021 for the SH2020 by	10/01/2022 for FH2021 and SH2021 By Dr. R. K. Kulkarni, VESIT, Chembur	10-3-23 for FH22 and SH22 by Dr. Bhoir, Fr. Conceicao Rodrigues	13/01/2024 Dr. Deepak Bhoir, Fr. Conceicao Rodrigues College of Engineering,	To be conducted at least once a year, Fr. Conceicao Rodrigues

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		SPIT, Andheri	Conceicao Rodrigues College of Engineering,	Dr. Bindu S, Fr. C. Rodrigues Institute of Technology, Vashi	https://siescms-my.sharepoint.com/:b:/g/personal/hodextc_sies_edu_in/EerzTeSgXK1Cnyz76ASZ67ABuuqROYVUGz0xAYWvWs4tHw?e=i1AusV	College of Engineering		College of Engineering
	Course file	Yes	Yes	yes	yes	yes	yes	Course files are prepared for every subject.
	Faculty file	Yes	Yes	yes	yes	yes	yes	Handbook is maintained every semester
	Feedback	Yes	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**	**23-24**	**24-25**	**Remarks**
2.1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	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	Done	Done	
	Development of e-content	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Recording of lectures and making it	No	Yes	Yes	yes	yes	Yes	-	

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	available digitally								
2.2	Transparency in continuous evaluation	Yes	Yes	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	yes	yes	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Yes	Yes	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**	**23-24**	**24-25**	**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	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.
	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	STTP ISTE Approved One Week STTP on "Data Science and Use of Visualization Tools"- 60	ISTE Approved One Week STTP on AR and VR "	ISTE approved one week STTP on "NEP 2020 and Autonomy in HEI (18.12.23 to 23.12.23)	ISTE approved 3 Day Face to Face FDP on "Inculcating Universal Human Values in Technical	AY 2018-19 - STTP on Neural Network and Deep Learning using TensorFlow AY 2019-20 - STTP on Antennas and RF Components

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				2. Internet of Things- 17 3.Augmented reality: Applications and development platforms- 17				Education ”	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 bombaycordinated by EXTC Department (online) AY 2020-21 STTP on Recent Trends in wireless Technologies FDP 2020-21 1. Use of Games and

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Sector - V, Nerul, Navi Mumbai - 400 706.
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									simulation in teaching 2. Internet of Things 3.Augmented reality: Applications and development platforms
	Sponsorship to faculty to encourage participation in research activities on and off-campus	--	--	17College 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	1	In process	

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	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	6	1	
	Books written	Nil	Nil	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.	Activities are conducted at institute level.	Activities are conducted at institute level.	
3.3	**Partnership between industry/ reputed organizations/**	Good partnerships established	Excellent Partnership established	Partnerships through MoUs and DABs	Partnerships through MoUs and DABs	Partnerships through MoUs and DABs	Partnerships through MoUs and DABs	Partnerships through MoUs and DABs	
	Internships	74	62	55 (industry) +53 (SDP)	65(SDP), 58(Industry)	30(industry) 67(SDP)	37 (Industry)	14 (Industry)	Students take up internship in the vacation

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	Consultancy work	--	--	--	--	1,with EEPIL,20000	3with Effiecient Innovations Pvt. Ltd. Rs. 51840/-	-	Students take up project.
	Industry projects	0	0	2	2	10	1	1	Students get to opportunity with experts and latest technology used for industrial application
	MOU	2	0	3	2	1	3	2 (till date 06.11.2024)	
	Expert session/seminars	2	0	2	5(dept)	6	7	16	Students get knowledge about requirements of industry also it bridges gap between

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									academy and Industry.
	Short term courses	2	1	1	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

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									Use of Visualization Tools"
	Value-added courses	1	9	8	3	4	4	4	Hands on experience with experts
	Training program for faculty	3	1	3	1	0	1	In process	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

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Sector - V, Nerul, Navi Mumbai - 400 706.
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									Technology AY 2019-20 - One day workshop on 'Scilab' organized by IIT bombaycordinated by EXTC Department (online) AY 2021-22 STTP on “Data Science and Use of Visualization Tools
	Training by faculty	1	2	1	1	0	21	In process	AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing, Speakers -

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Sector - V, Nerul, Navi Mumbai - 400 706.
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									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 Communicatio n 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**	**23-24**	**24-25**	**Remarks**
4.1	No. of students enroll for Certification/Diploma courses	34	181	134	65 (SDP)	67 (SDP)	50	55	SDP/internship attended by the students
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	2002	2056	4029	4266	2684	4036	In process	These numbers are excluding

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Sector - V, Nerul, Navi Mumbai - 400 706.
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									sports and cultural activities.
	No of program organized by the institute	5(SDP)+11(work shop)= 16	7(SDP)+10(works hop)=17	3 (SDP) + 2 (Workshop) +1 (Symposiu m) = 6	4(SDP)+ 6 (Worksh op) + 1 (Symposi um) =11	4(SDP) + 8 (worksho ps) +1 (Symposi um) = 13	2 (VAC) + 5 (worksho ps) + 1 (Symposi um) = 8	In process	
	No of award/ medals won by students	11(intercollegiate) + 21(department) =33	32 (intercollegiate)+ 30(dept) = 62	23 (intercollegi ate)+ 2 (dept) = 25	61(sports and cultural)	19 (sports)+ 15 (cultural)	6 (sports) + 2 (culturals)	In process	
4.4	No of activities undertaken	38	43	30	39	35	35	20 (till data 6-11-24)	
	Awards and Recognition to students	21(dept)	30(dept)	18	4(IEEE awards to students)	6 (IEEE awards to students) 3 (IEEE awards to students branch)	1 (IEEE aw ard s to stu de nts bra	In process	❖ Best Chapter award for MTTS SH2023 Third prize inleadershi

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							nc h)		p contest of SMLET SH2022 Second IEEE Regional Exemplary Student Branch Award SH2022 Best chapter award SH2022 ❖ IEEE Regional Exemplar y Student Branch Award 2021 ❖ Darrel Chong Student Activity

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Sector - V, Nerul, Navi Mumbai - 400 706.
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									award 2021 ❖ Winner of Got Talent at IEEE all India Congress 2021 at Kochi, Kerala
4.5	Percentage of student placed	54.36	42.62	26.27	90.15	46.09	21.2%	In process	
	Maximum salary	Rs.10 lpa	Rs.5.5 lpa	Rs 6.6 lpa	7.5 lpa	8.64L	5.6L	In process	
	Median Salary	Rs. 2.8	Rs.3.6 lpa	3.6 lpa	5 lpa	5 L	3.36L	In process	
	No of skill development schemes to improve placement	05	05	01	01	2			

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4.6	No of students pursuing higher studies	08	10	04	4	5	Students in process of taking admission	Students in process of takin 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	Seminars on competitive exams, career guidance, GRE-TOEFL	Seminars on competitive exams, career guidance, GRE-TOEFL	Seminars on competitive exams, career guidance, GRE-TOEFL	
4.7	Mentor Mentee interactions	Conducted Regularly	Conducted Regularly	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	Developed by students known as Portal	Developed by students known as Portal	Developed by students known as Portal Companion	At institute level

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					Companion	Companion	Companion		
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	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	Conducted Regularly	Conducted Regularly	2018-19: Alumni Reconnecton 05/01/2019 2019-20: Alumni Reconnecton 04/01/2020 2021-22: Alumni Reconnecton09/07/2022

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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 associati on exists and following are the measures taken: 1.Alumni portal 2. Facebook page 3: DAB member 4.Invited talks	Alumni associati on exists and following are the measures taken: 1.Alumni portal 2. Facebook page 3: DAB member 4..Invited talks	Alumni associati on 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 associatio n exists and following are the measures taken: 1.Alumni portal 2. Facebook page 3: DAB member 4.Invited talks
	Alumni contribution	2018-19:Alumni talk on “Life after Engineering & How to Select project for BE” on 2nd April 2019 by Ameya Kale.	2019-20: Alumni talk on “Data Analytics & Machine Learning” on 19 September 2019 by A. Shyam	2020-21:Li ve with Alumni after Graduation: Aditi Kulkarni 18/7/2020 Nivedita Deshpande	2021-22: Alumni-st udent Interactio n 1.Anurag I. for DVLSI Expert	22-23 Alumni-st udent Interaction Unnati Wadkar And Rahul	23-24 Alumni-st udent Interactio n	24-25 Alumni-student Interaction Mr. Arun Nadar and Mr. Medhansh Mahto Judge for Project	.

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				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	lecture -30-7-2021 2. Dada Suryavanshi -5G -Iot Cloud on 11-2-22	Sheshadri on 09/07/2022 DAB :PRachijain ,Kartik Ram on 25-2-22 Live with Alumni : Harpreet Singh on 3-7-22		Competition (21-09.2024) Uday Shankar Expert Talk on Job Oppurtunities in VLSI/Semiconductor Industry (23-11-2024) Mr. Abhishek Singh (Guest in IEEE Magazine Reveal) 4-10-2024	

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

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Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

S.No	**Strategic Objectives**	**2018-19**	**2019-20**	**2020 -21**	**2021-22**	**22-23**	**23-24**	**24-25**	**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	EVM=52 DMM=43	EVM=22 DMM=14	Sem VIII elective EVM (R-2016) Sem VIII ILO –EVM-FH2021 Sem VII elective DMM – SH 2020
5.2	Number of projects relevant to society to provide solutions	28	30	30	32	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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

									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	-----	--	--				

Goal 6	To initiate new courses at UG and PG level

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

S.No	**Strategic Objectives**	**2018-19**	**2019-20**	**2020-21**	**2021 -22**	**22 -2 3**	**23-24**	**24-25**	**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	NAAC Accreditation Process completed with A+	NBA Accreditation from 1-7-2024 to 30-6-2027	

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**	**22-23**	**23-24**	**24-25**	**Remarks**
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	Participated	Participated	Participated	Participated	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

7.2	**IQAC Meetings**	2	4	2	4	2	2	2	
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	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 05-02-21 and for AY2019-20 on 22-01-21 Internal Audit for SH2020 on 01-01-21	External audit for SH21 and FH2021 on 10-01-22 Internal audit bu IQAC	External audit for SH22 and FH2022 on 10-03-23 Internal audit bu IQAC	External audit for SH23 on 13-01-24 Internal audit for SH23 on 12-12-23 External audit for FH24 on 03-08-24 Internal audit for FH24 on 24-05-24		

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

7.5	Participation of staff in training programmes	63	129	97	57	32	20	In process	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	1 STTP	-	
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,assignment, 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 Team	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	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	yes	yes	Done as per requirement
7.9	Regular updation of	Yes	Yes	yes	yes	yes	yes	yes	Lab equipments are purchased according to the requirements

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	new lab equipment								of the syllabus and all lab deadstock registers are updated.
7.10	**Development of new infrastructure**	**No**	No	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	1 completed 2 pursuing	2 pursuing	18-19 Preeti Hemnani completed 19-20 shubhangiK , Shishir J completed PhD 23-24 – Swati Rane Completed
7.12	Awards and Recognitions to Institute	1	Na	2	2	1			Received IEEE Exemplary student branch award for 2020, 2021 and 2022, 2023 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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

7.14	Stake holder feedback mechanism	Yes	Yes	yes	yes	yes	yes	yes	
7.15	Green Initiatives taken & Policies for same	yes	yes	yes	yes	yes	yes	yes	

Institute level Objectives	1.		3. To improve technical skills of the students in the field of computer and electronics field. 4. To improve research paper reading and writing skills of the students. 5. 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.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

CE Department
Deployment for AY 2023-24
Compliance report for the academic year 2023-24 with 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**	**2023-24**	**Remarks**
1.1	Department Advisory board	One meeting conducted on 01 September 2018	One meeting conducted on 19 October 2019	One meeting conducted on 30 January 2021	One meeting conducted on 12 February 2022 DAB MOM	One meeting Conducted in March 2023	One meeting Conducted in February 2024	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	Done	Done	Done	Done	Done	Done	To be done for every batch at the beginning of the academic year.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Outcome Based Learning							
1.3	Academic-Activity Calendar	Prepared	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	AY2023-24	Value added courses are conducted on recent technologies which require in industry.
	Industrial Visits	2	2	0	0	1	2	Visits are organized on regular basis to IT and other related companies
	Guest lectures	8	3	7	7	9	12	Guest lectures are targeted to bridge the curriculum gap identified

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Internships	72	56	120	35	43	162	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	Implemented Problem based leraning	Case studies discussion and designing problems to enhance learning experience
	Certificate programs	2	10	0	3	6	4	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	18 grp of SE C 17 grp of SE D 17 grp of TE C 17 grp of TE D	Seminars are conducted on the topic beyond syllabus but closely

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								related to the contents
1.5	To offer industry-loriented certification courses/projects	Offered	Offered	Offered	Offered	offered	Offered	
	MOOCs	287	668	48	26	6	02	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	8	In summer and winter vacations, value added courses are conducted at department level which aims to

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								enhance the programming/coding skills and updates in the technology
	Industry Projects	1	1	0	1	1	8	Students major projects are based on the problem provided by the industry.
	Expert talks	5	1	3	7	9	12	Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used
1.6	Innovative teaching methods	Implemented : Mind Map, Collaborative teaching method	Implemented : Mind Map ,Collaborative teaching, Reflective learning	Implemented Collaborative learning, Quiz, Poll	Implemented: Seminars, project based learning, Flipped classroom, Think-Pair-Share	Implemented Android based applications, crossword, TPS, poster presentation,	Implemented Industrial visit, TPS, crossword puzzle, Polling, Flipped	Shall be implemented every academic years based on the course / batch requirements.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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<td>,Role Play</td>
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<td>Flipped classroom, Seminars beyond syllabus, case studies, real life problems</td>
<td>classroom, Quiz, Case study.</td>
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<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>+24.77%</td></tr>
<tr><td>TE</td><td>88.9</td><td>100%</td><td>+11.02%</td></tr>
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<td>Compared to 2019 - 20:
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<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>
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<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>00%</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>
<tr><td>BE</td><td>100%</td><td>91.66%</td><td>-8.34%</td></tr>
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<td>Compared to 2022 – 23
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<tr><td></td><td>22-23</td><td>23-24</td><td>+/_</td></tr>
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<td>In AY 2023 –24 result major improvement can be seen for SE and BE.</td>
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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		<table><tr><td></td><td>8%</td><td></td><td></td></tr><tr><td>BE</td><td>96.30%</td><td>100%</td><td>+3.97%</td></tr></table>	<table><tr><td>BE</td><td>100%</td><td>100%</td><td>0.0%</td></tr></table>				<table><tr><td>SE</td><td>66.90%</td><td>93.89%</td><td>+26.99%</td></tr><tr><td>TE</td><td>93.43%</td><td>92.48%</td><td>-0.95%</td></tr><tr><td>BE</td><td>91.66%</td><td>97.77%</td><td>+6.17%</td></tr></table>	
	Remedial session	Conducted	Conducted	Conducted(10)	Conducted	Conducted	Conducted	
	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted	
	Preliminary Exam	Not conducted	Not conducted	Conducted(13)	Conducted Extra Assignment 2021-22	Not conducted	Not Conducted	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Additional practice assignment	Conducted	Conducted					
	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	External Audit conducted on 30/8/24	To be conducted at least once a year
	Course file	19(Odd Sem)+17(Even sem)	17	17	17	16	20	Academic audit includes semester wise course file and personal file
	Faculty file	22	18	18	17	16	20	
	Feedback	2	2	2	2	2	2	Students feedback and teaching and learning is

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								conducted at least twice a year.

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	2023-24	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	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.	Innovative teaching methods were used like Industrial visit, TPS, crossword puzzle, Polling, Flipped classroom, Quiz, Case study.	conducted based on the course / batch requirements

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

				MCC,DBMS,SPCC to make the lecture interactive as well as helped in assessing students.	subjects DC,DLCA,MIS to create self-learning viewpoint amongst students			
	Use ICT for effective teaching with E-Learning resources	Various ICT tools are used to enhance the teaching-learning process- Google classroom, online drawing tools, virtual labs, etc.	Various ICT tools are used to enhance the teaching-learning process- Google classroom, online teaching using Google Meet, virtual labs, etc.	Various ICT tools are used to enhance the teaching-learning process- Google classroom, online teaching using MS teams, virtual labs, drawing tools etc.	Various ICT tools are used to enhance the teaching-learning process-MS teams, Virtual labs, Presentations, Concept map, various tools.	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- Virtual lab, Quiz, MS teams, Presentations.	
	Development of e-content	Course material is created in the form of lecture Videos, PPTs,	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	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,	Course material is created in the form of lecture Videos, PPTs, lab manuals, MOOC Cources,	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		lab manuals, etc.		manuals, youtube videos, etc.		MOOC Cources, Faculty Webpages,etc.	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.	Few videos of online lectures were recorded and were made available to students.	
2.2	Transparency in continuous evaluation	The assignment marks, experiment evaluations, test marks are	The assignment marks, experiment evaluations, test marks are shown to	TW calculation involving assignment marks, experiment evaluations,attend	TW calculation involving assignment marks, experiment evaluations,atten	Yes	TW calculation involving assignment marks, experiment evaluations,attendance and also test	The solution key shared is with students after the exam and the paper evaluation is

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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		shown to students and the discrepancies are resolved immediately.	students and the discrepancies are resolved immediately.	ance and also test marks are shown to students and the discrepancies are resolved immediately	dance and also test marks are shown to students and the discrepancies are resolved immediately		marks are shown to students and the discrepancies are resolved immediately	discussed in the class.
2.3	Attendance Monitoring systems	Yes	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	Yes	Centrally made available

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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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entrepreneurship activities

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	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 competition	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project presentation competition	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project presentation competition	Seminar on technical paper writing was conducted for BE and TE students. Organizing and conducting National level Project presentation competition	Organizing and conducting National level Project presentation competition	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.
	Research conference and research symposium /STTP	55 Attended	158 Attended	89 Attended	45 Attended	ISTE Approved one week STTP on " Data Science and use of Visualization tools" - 60	ISTE Approved one week STTP on "AR and VR"	Conferences workshop attended/ Mooc Courses completed

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	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	NA	Minor research grant by university of Mumbai.
	Number of research papers in conferences	7	8	11	23	15	28	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Number of research papers in journal	Number of papers in UGC Journals:9 All Journals: 9	Number of papers in UGC Journals:1 All Journals: 11	Number of papers in UGC Journals:5 All Journals: 6	Number of papers in UGC Journals:04 All journals :20	20	Number of papers in UGC Journals: 3 All Journals: 27	
	Books written	Nill	4 Books	Nil	Nil	5 (books and Book chapter)	4 Books	
3.2	**To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/star**	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	Various activities to promote entrepreneurship skills amongst students are conducted under E Cell and MHRD- Institute Innovation Cell.	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	tup Activities							
3.3	**Partnership between industry/ reputed organizations/**	Collaboration for internship	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	162	Project based Internships are carried out in the industry or on the technologies used in the industry.
	Consultancy work	NA	NA	NA	NA	1	1 project	
	Industry projects	1	1	0	1	1	8	
	MOU	3	1	4	3	1	6	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Expert session/seminars	6	3	7	7 Expert talk	9	12	
	Short term courses	5	6	12	13 5.1.3 CSI	8	12	Workshops conducted by IIT bombay remote center for faculty memners and by professiobal body CSI for students.
	Value-added courses	02	09	02	01	06	08	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	1 STTP	Every year one AICTE -ISTE approved STTP is organized on the topics

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								related recent trends in the IT industry.
	Training by faculty	1	4	0	3	1	1	By being Resource for workshops and FDPs
	Industry labs	NIL	NIL	NIL	NIL	NIL	NIL	

Goal 4	**To strengthen alumni engagement and enhance the student experience**

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Principal

S. No	**Strategic Objectives**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**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	307 SDP(Value added course)	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus	Provided	Provided	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)	38(Technical) 6 (Non technical)	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon,

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/DE, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	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	12(CSI)+08(SDP)+09(Guest Lec)	Activities under CSI like+sdps+workshop
	No of award/ medals won by students	12	5	30		4	6	
4.4	No of activities undertaken	4	2	12	13 CSI_Reports 2021-22 - Google Drive	12(CSI) +31 (codechef,GDSC) =43	No. Of activities under Student-centric 13 Slow-fast learner=13	(coding skills/bmw analysis activity/case study discussion/ieepaper discussion soft skill activity : 1hr or 2 hr activity
	Awards and Recognition to students	12	5	30	36 Proof_5.3.1_awards	4	6	Promethean 2021,Technopreneur

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								2021,Bugsquash 2022,ByteCamp2 022,Kabaddi,Voll eyball
4. 5	Percentage of student placed	81%	85%	80.61%	83.51%	75%	77%	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	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	Rs. 6 LPA	Reliance jio, LTI Ingram Micro
	No of skill developmen	10	7	2	2	2	01	Campus Recruitment

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	t schemes to improve placement							Training by Campus Credential, Indusry Expectations From Engineering Graduates,FNA T -Mock Online Aptitude & Coding Test(4-3-2020) by First Naukri.com IDBI Training Campus Recruitment Training by Campus Credential
4.6	No of students	11	21	14	15	27	24	Stevens Institute of Technology,

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	pursuing higher studies							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	01(GATE Seminar)	Higher Education counselling by TC Global, Higher Education in Germany,Overseas Education, different courses

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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	Conducted Regularly: Min 2 meeting in a semester along with PTM. Cases that need further attention are referred to Counsellor appointed at institute level.	
4.8	Online student portal for	Developed by students known as Portal Companion	Developed by students known as Portal Companion	-	Arena for Codeshef SIESGST	Onedrive,gdrive	Onedrive,gdrive	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	academic and non-academic activities							
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	Counselling Case sample Proof	Provided	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	Conducted Regularly	Alumni are invited as speakers for workshop/seminars, mentor students for higher studies, for evaluation of mini projects.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekharendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Alumni association and measures to enhance members	Alumni association exists and following are the measures taken:1.Alumni portal 2: Linked in page 3: DAB member	Alumni association exists and following are the measures taken:1.Alumni portal 2. Facebook page 3: DAB member	Alumni association exists and following are the measures taken:1.Alumni portal 2. Facebook page 3: DAB member 4.Invited talks	Alumni association exists and following are the measures taken:1.Alumni portal 2. Facebook page 3: DAB member 4.Invited talks 5. Coding competition for students	Alumni association exists and following are the measures taken:1.Alumni portal 2. Facebook page 3: DAB member 4.Invited talks 5. Judges for various project competition for students 6. External for Final Year Project evaluation	Ujwala R Alumni association exists and following are the measures taken: 1: DAB member 2.Invited talks 3. Judges for various project competition for students 4. External for Final Year and Third Year Major & Mini Projects. 5. Training Sessions conducted on IOT, Web site development etc.	Alumni Association exists and alumni contribution can be seen through various activities.
	Alumni contribution	Mention all the types of contribution training, interaction, judging, monetary, etc.	Mention all the types of contribution training, interaction, judging, monetary, etc.	1) Expert talks 2)Workshops under CSI 3)Mini project evaluation	Alumni 2020-21	Alumni activity 2022-2023_1.xlsx 1.Expert talks	Summary_Alumni activity_2023_24.xlsx 1.Expert talks 2. Expert for Value added Course	Alumni are invited as speakers for workshop/seminars, mentor students for higher studies,

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

		1)SIH industry Mentor 2)Judge for matrix 3)Monetary contribution for basketball court 4) Expert lecture for students on industry requirement	1) SIH industry Mentor 2) Guest lecture 3) Mentoring BE project 4) workshop conducted on angular JS	4)Coding Competition for FE 5)Guest lecture for GATE Preparation)		2. Expert for Value added Course 3.Resource person for Workshops Under CSI 4) Judge for project competition 5) External for final year project	3.Resource person for Workshops Under CSI 4) Judge for project competition 5) External for final year project	for evaluation of mini projects and major project. Alumni Conducted sessions in value added courseand judge for project competition during cognition.

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

S. No	**Strategic Objectives**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**Remarks**

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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)	EVM – 80 (SEM VIII)	Sem VIII elective EVM (R-2019) FH2023
5.2	Number of projects relevant to society to provide solutions	19	19	23	06 for SE+24 for BE BE_Project List Of Social relavance Topics	14 for BE 6 for TE 11 forSE Societal Applications Societal.xlsx Social relavance project list - SE.xlsx	18 for BE 12 For TE 8 For SE Arathi B BE_Societal related Projects Societal_2023-24.xlsx SE Societal.xlsx	Sem IV,VI and final year Major project had objective towards providing solution to the societal problems

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

5.3	Number of green campus initiatives & waste management.	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	----------	----------				

NERUL NAVI MUMBAI 400 706
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		• E-waste management seminar • Compost filtering						

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	2023-24	Remarks

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/DE, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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	NAAC Accreditation Process completed with A+	

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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/DE, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD	Participated	Participated	Participated	
7.2	**IQAC Meetings**	2	4	2	2	2	2	
7.3	Add / Update the organizational standard operating processes	NA	NA	NA	PI included in QP	provided at institute level	provided at institute level	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(Exter	1(External Audit)	1(Academic Internal)+1(External Academic)+1	1(Academic Internal)+1(External Academic)+1 (Stock	1 (Academic Internal Audit)+1 (External Academic)+1 (Stock verification)	NBA audit and Academic audit

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

			nal Academic)		(Stock verification)	verification)		
7.5	Participation of staff in training programs	55	158	65	43	18	20	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	6	5	3	2	1	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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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	Departmental Library available for faculties and students	Departmental Library available for faculties and students	
7.8	Maintenance of Infrastructure	Yes	Yes	Yes	22 old systems replaced with new machined	Yes	Yes	Location CE lab 313
7.9	Regular updation of new lab equipment	Yes	Yes	Yes	Yes	Yes	Yes	
7.10	Development of new infrastructure	Yes	Yes	Yes	No	No	Yes	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

7.11	No of faculty acquiring PhD	1	3	NA	-	10	07	
7.12	Awards and Recognitions to Institute	1	NA	02	NA	NA	NA	Mention some notable achievements
7.13	Awards and Recognition to faculty	NA	01	NA	NA	NA	NA	Mention some notable achievements
7.14	Stake holder feedback mechanism	Yes	Yes	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.

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

7.15	Green Initiatives taken & Policies for same	Journal submission online Car pooling	Journal submission online Car pooling	Journal submission online Car pooling	Yes	Yes	Yes	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 teachi	1. To qualify for platinum category grade in AICTE-CII survey	1. To increase the number of Industry MoUs / linkages and conduct at least one	1. Each department to take industry project/ resear		1.Each department is to carry out at least one consultancy project with industry or one live project (College Level/SIES group institutions). 2. Each faculty should publish at least one paper in reputed conferences/Journals and at least 50% of the total no. of faculty in each	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		ng methods and one ICT tool per course. 2. To strengthen the Industry Institute Interaction to qualif	2. To conduct at least two approved technical audit courses by each department and two non-technical	activity per year under this linkage. 2. To implement IT enabled management for all activities of the Institute. 3. To improve participati	ch project with number equivalent to half of total faculty strength. 2. To condu		department, should submit research proposals 3. IEEE international conference should be organized in every three years 4.Each department should get at least 03 Mou's with industry/Educational Institutes and conduct collaborative activities.	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		y for the third round of AICTE-CII Survey. 3. To promote self learning amongst students, at least 25%	audit courses by the Institute 3. To carry out at least one consultancy project with Industry and/or one	on of alumni in resource generation and planning & development. 4. To formulate and implement start-up policy.	ct at least two technical activities at National/ International level by each			

NERUL NAVI MUMBAI 400 706
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		from each class.	in-house development of modules as a solution to Institute requirements 4. To conduct at least one Training		depart ment. 3. Reven ue genera tion throug h consul tancy/ MOU' s/ Alum ni by every			

NERUL NAVI MUMBAI 400 706. S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

			session for Industry by the faculty members of each department		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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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

					enrich the curriculum.			
	Objectives at department Level to achieve strategic goals	1. Enhance collaboration with industries and organizations for projects. 2. To encour	1. To improve student's participation into technical competition	1. To improve the quality of research publications by students and faculty	1. To improve faculty participation in Major/minor resear		1. At least 90% of Final year projects to publish papers in Conferences/ Journals/copy right/ patent (Core depts.) 2. All the faculty should be involved in conduction of Value-added courses. 3. At least one MOOC course should be developed by	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		age more number of students for internship programs. 3. To improve students publications (for quality Projec	2. To increase faculty and student research publications by 25% 3. To get accreditation from national board	2. To improve industry related consultancy projects 3. To improve problem solving, programming and soft skills of students.	ch proposal. 2. To improve problem solving, coding and soft skills in		each faculty in the department 4. To Establish Center of Excellence (CoE) in Data Science	

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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		ts) in lined with institute to enhance Research & Development activities amongst students and faculty	for the computer engineering program		students. 3. To develop two in-house projects for Institute /department automation.			

		members. 4. To conduct session for students soft skill development. 5. To promote entrepreneurship by encour						

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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NAAC A+

		aging students to take up innovative projects.						

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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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Deployment data for AY 2023-24 of <u>IT Department.</u> Compliance report for the academic year 2023-24 with respect to Strategic Plan 2018-2025.

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	2023-24	Remarks
2.1	**To develop innovative teaching, learning, and assessment methods**	Developed	Developed	Developed	Developed	Developed	Developed	Conducted based on the course / batch requirements and maintained in the course file.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	Done 2.3.2-ICT tools_ITDepartment.xlsx	Done 2.3.2-ICT tools_ITDepartment.xlsx	Done 2.3.2-ICT tools_ITDepartment.xlsx	
	Development of e-content	Yes	Yes	Yes	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	Yes	Yes	Yes	Not applicable	
2.2	**Transparency in continuous evaluation**	Yes	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**	Yes	Yes	Yes	Yes	Yes	Yes	Defaulters' list taken at regular intervals.

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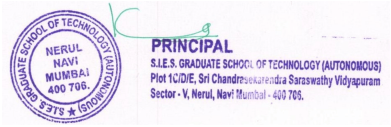
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Monitoring systems							Typically thrice in a semester.
2.4	**Automated library**	Library automation consists of:	Library automation consists of:	Library automation consists of:	Library automation consists of:	Library automation consists of:	Library automation consists of:	Centrally made available



Principal

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

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S. No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Remark
3.1	**To strengthen research activities in the institute**	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Conducted (college level) various seminars on research/ patent writing to encourage faculty/ students. At department level conducted faculty development program to strengthen research activities.
	Research conference and research symposium /STTP	conferences-1 STTP-12	Conferences-14 STTP-13	Conferences- 13 STTP-11	Conferences 16 STTP-12 STTP_REPORT_DATA SCIENCE	Conferences -10 STTP-20	Conferences –9 STTP- 13 Event Report STTP NEP2020 (1).docx	**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.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

					SH21 (1).doc			**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 20 Faculty members attended STTP. **23-24** 09 Papers are published in conferences 10 Faculty members attended STTP.
	Sponsorship to faculty to encourage	Nil	Nil	Nil	Nil	Nil	Nil	Nil

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	participation in research activities on and off-campus							
	Sponsored research through research proposals	3	2	2(Continuing 2019-20)	2(Continuing 2019-20)	3 submitted	1 submitted	**2018-19:** Ms.Lakshmisudha, Ms.Bushra, Ms.Stuti received 15,000/ ,30,000/-, 25,000/- respectively from University of Mumbai. **2019-20:** Ms.Savita Lohiya, Ms.Seema Redekar received Rs 30,000/- and Rs 25,000/- from University of Mumbai. And continued in 2020-21 due to pandemic. **2022-2023:** 1) Bushra Shaikh Submitted research proposal to Department of Biotechnology

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								Ministry of Science and Technology Government of India New Delhi, India on the date 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 **2023-24** Dr. Poornima submitted research proposal to SERB-Power grant on topic “Blockchain-Enabled Collaborative Platform for Plant Disease Detection and

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								Prediction using Deep Neural Network"
	Number of research papers in conferences	1	14	13	16 Research publication details 2021-22.xlsx	10 IT_R&D_2022-23.xlsx	9 IT Publications	**2018-19:**1 paper published in conference. **2019-20:** 14 Papers published in conferences. **2020-21:** 13 Papers published in conferences. **2021-22:1**6 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	**04** IT Publications	**2018-19:**13 paper published in UGC Journals **2019-20:** 4 Papers published in UGC Journals **2020-21:** 9 Papers published in UGC Journals **2021-22:**17 Paper published in UGC journals.

NERUL NAVI MUMBAI 400 706. S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								2022-23:6 Paper published in journals **2023-24**:4 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	Nil	**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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								Inventive Systems and Control. Lecture Notes in Networks and Systems, vol 436. Springer 2. Ms.Stuti A. Published 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.	MHRD – Institute Innovation Cell initiated and functioning	Implemented at college level.

NERUL NAVI MUMBAI 400 706. S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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	83	Completed industry internships by students and 34 students completed internal internships in 2020-21. 45 students completed in 2021-22. **2022-23** 42students completed internship-25 students completed external internship and 17 students completed internal internship **2023-24:**

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								83 students completed internship-33 students completed external internship and 50 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**

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								"Completed consultancy project titled "Packaging Material Testing Data Management System" for School of Packaging and received consultancy amount of Rs.10,000/-
	Industry projects	5	1	2	1	–	01	**2018-19:** 1. Web Analytics 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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								(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 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. **2023-24:** **GST Logistics Pvt Ltd**: Ms. Leena L along with Asmi, Swati, Madhurya,

								Bhoomi have developed a logistics web application.
	MOU	5	5	5	4	2	3	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.

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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. **2023-24** Information Technology Department has signed MoU with 1. Techpaathshala, Vikroli, Mumbai - Feb 2024

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								2. Technojack Infosolutions, Mumbai – Feb 2024 3. Nuclespace Private Ltd, Thane, Mumbai
	Expert session/seminars	18	11	11	22	23	29	Organised expert sessions to enrich the curriculum for the respective subjects.
	Short term courses	2	3	Nil	3	4	3	Student development Programs conducted on various advance technologies such as Machine learning in R and Python, CCNA certification. Conducted workshop on cyber security and Ethical hacking on Dec 11, 2021. Conducted workshop on Latex Report Writing on March 23rd, 2022.

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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. **2023-24** Conducted Student Development program on Deep Learning, Software Engineering and Devops, Programming Database and Soft Skill.
	Value-added courses	2	3	1	1	4	3	**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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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”

NERUL NAVI MUMBAI 400 706
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								2023-24 2 SDP were conducted in SH-23 on topics "Programming, Database Management and Soft Skills" and "Software Engineering and AdvancedDevops" SDP was conducted in FH 24 on topic "Deep learning"
	Training program for faculty	4	2	4	2 STTP-2021-22	1 . STTP REPORT FH23	2 Event Report STTP NEP2020 (1).docx fdp-AI tools-Feb2024-signed.pdf	**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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								"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" ,

NERUL NAVI MUMBAI 400 706. S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								February 2019. Mr.Shriram Atri. 4. Faculty Development Program on "GEOInformatics and Related Open Source" was conducted on Jan10-Jan 12,2019. **2021-22** 1. 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 2021. 2.Organized one week AICTE-ISTE approved Self-Financed Short term training program on "Data

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								science and visualization tools" from 6/12/2021 to 11/12/2021. **2022-23** 1.. ISTE Approved ONE WEEK STTP On "AR/VR from 19/6/23 to 24/6/23 **2023-24** 1. ISTE Approved one week STTP ON NEP 2020 and Autonomy in HEI from 18/12/23 to 23/12/23. 2. FDP on AI Tools on 24th FEB 2024.
	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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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 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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								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 Course Outcome (CO) from NAAC perspective"on May 15, 2020 for faculty and

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								‘Computer Network and Security’ organized by Department of 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. **2022-23** 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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								'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
	Industry labs	Nil	Nil	Nil	Nil	Nil	Nil	Industry lab is not available in the academic year 2018-19 , 2019-20 , 2020-21 and 2021-22, 2022-23, 2023-24.

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY NERUL NAVI MUMBAI 400 706.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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RISE WITH EDUCATION
NAAC A+

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	2023-24	Remarks
4.1	**No. of students enroll for Certification/Diploma courses**	41	62	27	66	55	**112**	**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:**

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								27 Students enrolled for Network 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 2023-24 Programming Database & soft skills , 15 students enrolled, Software engineering & advanced Devops, 28 students enrolled, For Deep learning,69 students enrolled.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	Provided	Provided	Provided at college level.
4.3	No. of student participation in extracurricular activities	15	10	18	22	29	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 from TE IT won first prize in "IDEATION-2022 " on 30/9/2022 organized by SIESGST. -3

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								30/9/2022 organized by SIESGST-2 Mr.Aman ,Mr.Rafe ,Mr.Sahil Shaikh from TE IT secured first runner up in 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	Inter department events-8 Intra department events-1	**2023-24** IETE Students' Forum of SIES Graduate School of Technology has organized following activities:

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								1.FE Induction 2.Angel Investment and VC Funding for early startups 3.Start your own career with 7 digits salary by IMS International 4.Outreach Program 5.Ideation 6.ReactJs Workshop 7.TechXter 13.0 8.Seminar on Higher Studies by Admit Abroad Vidyalankar 9. Projexions **2022-23** IETE Students' Forum of SIES Graduate School of Technology has organized following activities: 1.A Panel Discussion on Entrepreneurship 2. Idea presentation Competition

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								3. Workshop on Leadership Development 4. PIntroduction to Data Science and Tools 5. Panel Discussion based on Alumni 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

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekharendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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	13	**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 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

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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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								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

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								cash prize of 20,000/- for the project titled 'Trip Recommendation System' .-3 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

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Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								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 **2023-24** Hariom Shukla won 2nd prize in Cognition 23', Participated in: Smart India Hackathon, KAVACH Hackathon, 56th Youth Fest (Group Skit), Completed a value added course in SDP on Data Visualization for Data Science. Kunal Kumbhare and team won first prize in Cognition 2023. Prajwal Waghmode and Team Won 1st prize in Cognition 23'.

								Apoorva Saxena and Team Won 1st prize in Cognition 23'.
4.4	**No of activities undertaken**	10	6	10	22	23	29	Various activities like expert talks, workshops are undertaken to strengthen alumni engagement and enhance the student experience.
	Awards and Recognition to students	1.	2	1	2	1	4	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

NERUL NAVI MUMBAI 400 706. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
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								Technology and Research" ICAITR-2021 organised by Vidyalankar Institute of Technology, Wadala, Mumbai, on May 31-June 1, 2021 **2023-24** Kunal Kumbhare and team won first prize in Cognition 2023. Prajwal Waghmode and Team Won 1st prize in Cognition 23'. Apoorva Saxena and Team Won 1st prize in Cognition 23'.
4.5	**Percentage of student placed**	57%	55%	65%	85%	79%	68%*	42 placed out of 76 in 2019-20 51 placed out of 78 in 2020-21. 86% students placed in 2021-22 79% students placed in 2022-23

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								38 out of 56 students placed i.e 68% of placement in 2023-24
	Maximum salary	Rs. 5.5 LPA	Rs. 7 LPA	Rs. 27 LPA	10 LPA	8.5LPA	10.5LPA	Paysense offered 7 LPA in 2019-20 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 Nvent offered 10.5 LPA in 2023-24
	Median Salary	Rs. 3.5 LPA	Rs. 3.5 LPA	Rs. 3.6 LPA	4.5 LPA	5.2 LPA	5LPA	
	No of skill development schemes to improve placement	2	3	1	1	1	3	To make students Industry ready, Student development Programs deep learning, devops, placement career guidance session and taken students for industry visit LTIMindtree conducted Mock interview for the students of

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Sector - V, Nerul, Navi Mumbai - 400 706.
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								BE 2024, as a part of Campus Engagement Initiative.
4.6	**No of students pursuing higher studies**	10	9	1	2	4	5	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. 11 Students got admission in 2022-23 and Many are in process. 5 Students got admission in 2023-24 and Many are in process.
	Initiatives taken to assist students for higher studies	Conducted higher studies awareness seminar for final year students and conducted GATE coaching	--	Conducted higher studies awareness seminar for third year students at Institute level	GATE Coaching	Conducted higher studies awareness seminar for final year and third year students at Institute level	Conducted higher studies awareness seminar for final year and third year students at Institute level	Institute level higher studies awareness seminar is conducted and Seminar on TOEFL and GRE by ETS India

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
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Sector - V, Nerul, Navi Mumbai - 400 706.
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		classes						
4.7	**Mentor Mentee interactions**	Conducted Regularly	Conducted Regularly	Conducted Regularly	Conducted Regularly 2021-22	Conducted Regularly 2022-23	Conducted Regularly 2023-24	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	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	Provided	Professional counsellor is available in the campus to counsell students. Also provides emergency medical services.
4.10	**Promote alumni networking with students**	Conducted Regularly	Conducted Regularly	Not Conducted	_	Conducted	Conducted	2022-23 Due to pandemic Alumni interaction could not be conducted at college level. However department have a

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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								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 interaction was conducted for students on 29th January 2023. Alumni interaction was conducted for students on 2nd March 2024

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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	Alumni association and measures to enhance members	Alumni association exists and following are the measures taken:	Alumni association exists and following are the measures taken:	Alumni association exists and following are the measures taken:	Alumni association exists and following are the measures taken	Alumni association exists and following are the measures taken	Alumni contribution as training, interaction, judging etc. Activity List	Following Alumni are involved in the Department Advisory Board for Academic year 2018-19 and 2019-20, 2020-21 , 2021-22,2022-23 and 2023-24 Mr.VinayVishwanath (VP, Lab Systems, Mumbai, 2011 batch) Mr. Karan Kapoor, (Business Development Associate, Autonxt Automation 2015 Batch) Mr. Sandeep Termekar, VP, UBS 2009 Batch
	Alumni contribution	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni Interaction sessions organized by IT department on 9/7/2022. Mr. Vinay Viswanath of	.Alumni contribution as training, interaction, judging, monetary, etc. Activity List	Ms. Sonia Koneti, Business Analyst, Suryoday - The Small Finance Bank, Ms.PrajaktaHariharZaavde, LTI - Associate Software Engineer were judges for event Ideation in December 2020.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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						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-Demac loid, CPO-Assurekit, Karan Kapoor, Co-Founder Sigmaflux, Shivam Limaye, Co-owner Foote invited a judge		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 Expert talk is conducted by many alumni for academic Year 23-24

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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						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	2023-24	Remarks
5.1	**Number of students opting for the elective courses that address gender bias, environment and sustainability issues**	NIL	03	NIL	15	EVS: 50	EVM = 58	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 that address environment and sustainability issues.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								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. In 2023-24:,BE students have selected environment management as elective subject that address

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								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 2023-2024 six 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 green campus initiatives &waste management.**	Enter Number	Enter Number	Enter Number	Enter Number	Enter Number	Enter Number	Implemented at college level.
5.4	**Number social initiatives contributing**	Enter Number	Enter Number	Enter Number	Enter Number	Enter Number	Enter Number	Implemented at college level.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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

Goal 6	To initiate new courses at UG and PG level

S. No	**Strategic Objectives**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**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	PG (Information Security) started in the year 2021-22.	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.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
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Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

				completed				

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	2023-24	Remarks
7.1	**Participate in NIRF, ARIIA, MHRD**	Participated	Participated	Participated	Participated	Participated	Participated	At college level

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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7.2	**IQAC Meetings**	Enter Number of meetings	Enter Number of meetings	Enter Number of meetings	Enter Number of meetings	Enter Number of meetings	Enter Number of meetings	At college level
7.3	**Add / Update the organizational standard operating processes**	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made	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	External Audit-1 Internal Audit-1	**2023-24** **External Audit** is conducted for SH2023 and FH2023 by Dr. M. Chandane on 25 Jan 2024. **Internal Audit** was conducted for FH 2023 on 12/08/2023 by Dr. Nehete and Ms. Smitha kumar

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								SH2023 on 13/12/2023 by Dr. Pradip and Dr. Rizwana **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 conducted for SH2021and FH 2020 byDr. M.M.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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								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 by Prof.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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								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	32 IT Annual Report_ 2023-24 updated.doc	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	STTP-1 SDP- 1 Event Report STTP NEP2020 (1).docx fdp-AI tools-Feb2024-signed.pdf	In 2020-21 following training program organised FDP on "Data Visualization using Tableau"on 24/10/2020 Faculty Development Program on "Software

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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								Development Processes" on 12/12/2020 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.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

								Faculty development Program on "Administration of Mongo DB and 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,

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PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

								27th February 2022 **2023-23** 1. ISTE Approved one week STTP ON NEP 2020 and Autonomy in HEI from 18/12/23 to 23/12/23 2. Conducted FDP on AI tools on 24th Feb 2024
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	List the measures taken	At college level
7.8	**Maintenance of**	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekharendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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	Infrastructure							
7.9	**Regular updation of new lab equipment**	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7.10	**Development of new infrastructure**	No	No	No	No	No	Yes	At college level
7.11	**No of faculty acquiring PhD**	1	1	1	1	1	03	
7.12	**Awards and Recognitions to Institute**	Nil	Nil	Nil	Nil	Nil	01	
7.13	**Awards and Recognition to faculty**		1	2	1	1	–	Dr.Lakshmisudha has been selected as Moderation committee

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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								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

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
NERUL NAVI MUMBAI 400 706.
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								Research Convention in December 2022.
7.14	**Stakeholder feedback mechanism**	Yes	Yes	Yes	Yes	Yes	Yes	At college level
7.15	**Green Initiatives taken & Policies for same**	Yes	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 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.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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3	**To encourage research and consultancy, industry-institute interaction and entrepreneurship activities**	Industry lab is not available in the academic year 2018-19 , 2019-20 and 2020-21.We are trying to collaborate with industry to have the lab. To improve the research activities in the department the following objectives were set for 2023-24 at department level. Objective 1: At least 90% of Final year projects to publish papers in Conferences/ Journals/copy right/ patent Objective 2: All the faculty should be involved in conduction of Value-added courses along with industry expert. Objective 3: 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. BE IT : 19 Groups Conference publications- 08 (Accepted- 05) Journals Publications - 03 Patent : 01 (Applied) Publications List 2. Live Project for GST Logistics Pvt Ltd: Ms. Leena L along with Asmi, Swati, Madhurya, Bhoomi have developed a logistics web application.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

		3. Prof. Leena Ladge had organized "Panel Discussion 2023 - Entrepreneurship Development", under IETE Students' Forum , on September 13, 2023. 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 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 2023-24.
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:		

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
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1. 1Each department should get at least 2 MOUs with Industry/ Educational Institutes and conduct collaborative activities under all the functional MoUs
2. At least 90 percentage of Final year students to publish /present papers in Conferences/ Journals/copy right/ patent
3. 25% of SE/TE Students should complete certification course.

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Mechanical Department

Deployment for AY 2023-24

Compliance report for the academic year 2023-24 with 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**	**2023-24**	**Remarks**
1.1	**Department Advisory board**	One meeting conducted	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	Done	To be done for every batch at the beginning of the academic year.

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Sector - V, Nerul, Navi Mumbai - 400 706.
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1.3	**Academic-Activity Calendar**	Prepared	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	Conducted	
	Industrial Visits	10	5	Nil	03	10	9	
	Guest lectures	00	00	08	10	11	12	
	Internships	55	34	77	64	85	90	
	Problem-Based Learning	Implemented / Not implemented	Implemented / Not implemented	Implemented	Implemented	Implemented	Implemented	
	Certificate programs	01	03	04	02	02	01	

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Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Student Seminars	12	8	10	12	12	12	
1.5	**To offer industry-oriented certification courses/projects**	Offered	Offered	Offered	Offered	Offered	Offered	
	MOOCs	123	66	30	30	42	31	
	Value Added Courses	02	03	02	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	04 per Groups, 36 Students	
	Expert talks	12	8	10	10	11	12	
1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Implemented	Implemented	Implemented	Shall be implemented every academic years based on the course / batch requirements.

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<table>
<tr>
<td>1.7</td>
<td>Result Improvement</td>
<td>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%</td>
<td>Compared to 2018-19:
18-19
19-20 +/-
SE: 65.39
100 +5%
TE: 82.89
100 -2%
BE: 93.82
-
+10%</td>
<td>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%</td>
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<table>
<tr><td>Year</td><td>20-21</td><td>21-22</td><td>+/-</td></tr>
<tr><td>SE</td><td>100</td><td>71.43</td><td>-28.57</td></tr>
<tr><td>TE</td><td>100</td><td>95.75</td><td>-4.25</td></tr>
<tr><td>BE</td><td>100</td><td>96.05</td><td>-3.95</td></tr>
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<table>
<tr><td>Year</td><td>21-22</td><td>22-23</td><td>+/-</td></tr>
<tr><td>SE</td><td>71.43</td><td>21.57</td><td>49.86</td></tr>
<tr><td>TE</td><td>95.75</td><td>63.77</td><td>31.98</td></tr>
<tr><td>BE</td><td>96.05</td><td>96.92</td><td>-0.87</td></tr>
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</td>
<td>
<table>
<tr><td>Year</td><td>22-23</td><td>23-24</td><td>+/-</td></tr>
<tr><td>SE</td><td>21.57</td><td>51.16</td><td>29.59</td></tr>
<tr><td>TE</td><td>63.77</td><td>71,79</td><td>8.02</td></tr>
<tr><td>BE</td><td>96.92</td><td>95.16</td><td>-1.76</td></tr>
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<tr>
<td></td>
<td>Remedial session</td>
<td>Conducted</td>
<td>Conducted</td>
<td>Conducted</td>
<td>SE</td>
<td>Conducted</td>
<td>Conducted</td>
<td>100</td>
</tr>
</table>

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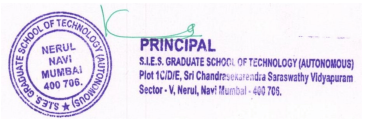
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Extra classes for DSE	Conducted	Conducted	Conducted	TE	Conducted	Conducted	100
	Preliminary Exam	Not conducted	Not conducted	Not conducted	BE	Conducted	Conducted	100
	Additional practice assignment	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	Conducted	Conducted	Conducted	
1.8	Academic Audit	Conducted.	Conducted	Conducted.	Conducted.	Conducted	Conducted	To be conducted at least once a year
	Course file	Yes	Yes	Yes	Yes	Yes	Yes	
	Faculty file	Yes	Yes	Yes	Yes	Yes	Yes	
	Feedback	Yes	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**	**2022-23**	**2023-24**	**Remarks**
2.1	To develop innovative teaching, learning, and assessment methods	Developed	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	Done	
	Development of e-content	Yes	Yes	Yes	Yes	Yes	Yes	
	Recording of lectures and making it	No	Yes	No	No	No	No	

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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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	available digitally							
2.2	Transparency in continuous evaluation	Yes	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	Yes	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Library automation consists of:	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**

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
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Sector - V, Nerul, Navi Mumbai - 400 706.
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S. No	**Strategic Objectives**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**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.	Activities have been conducted to strengthen research activties.	Also mention any additional activities conducted to strengthen research activities
	Research conference and research symposium /STTP	8	6	12	12	14	12	
	Sponsorship to faculty to encourage participation in research activities on and off-campus	01 faculty Rs. 4500/-	nil	nil	nil	nil	nil	

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
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Sector - V, Nerul, Navi Mumbai - 400 706.

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	Sponsored research through research proposals	02	02	nil	nil	nil	nil	No minor research grants sanctioned by University due to pandemic
	Number of research papers in conferences	05	04	09	13	12	2	
	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	Enter Number of papers in UGC Journals:07 All Journals:13	
	Books written	02	01	02	05	07	07	

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Sector - V, Nerul, Navi Mumbai - 400 706.

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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	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	Good partnerships established	
	Internships	30	54	77	64	79	90	
	Consultancy work	---	01	---	---	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	09 students industry sponsored projects	

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Sector - V, Nerul, Navi Mumbai - 400 706.

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	MOU	05	05	00	00	00	00	No MOU signed due to covid lockdown
	Expert session/seminars	09	06	07	07	15	13	
	Short term courses	02	03	01	01	01	01	
	Value-added courses	00	00	04	04	03	02	
	Training program for faculty	01	01	01	01	01	01	
	Training by faculty	01	01	00	00	00	00	
	Industry labs	00	00	00	00	00	00	

Goal 4	**To strengthen alumni engagement and enhance the student experience**

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Sector - V, Nerul, Navi Mumbai - 400 706.
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S.No	**Strategic Objectives**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**Remarks**
4.1	No. of students enroll for Certification/Diploma courses	15	107	71	75	60	58	Coursera and NPTEL
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	67	79	21	34	31	32	
	No of program organized by the institute	01	01	02	02	02	02	
	No of award/ medals won by students	03	02	01	07	08	05	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
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Sector - V, Nerul, Navi Mumbai - 400 706.
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4.4	No of activities undertaken	03	04	05	05	05	04	
	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 **1st in Mumbai, Overall rank 14, AIR 2 in Sales event, AIR 2 in Design event, 13th in Endurance.**	02 Achievement -Participated in National level event all-terrain vehicle competition BAJA 2020 at Indore during 22-26 January 2020 and secured **1st in Mumbai, AIR 8th in maneuve**	01	04	08	08	Participated in National level event and University level competition

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PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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			r, AIR 6th in enduranc e and overall AIR 11th rank at national level. -Participa ted in National level event all-terrain vehicle competiti on ATVC 2020 at Vadodara, Gujarat during 15-19 February 2020 and secured **AIR 1 in**					

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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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			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. 1.29 Lakhs					

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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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4.5	Percentage of student placed	30.6 %	11 %	22%	56%	33%], ,	55% 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	8.0 lakhs	
	Median Salary	Rs. 2.4 Lac	Rs. 3.0 Lac	Rs. 3 Lac	Rs. 3 Lakh	4 lakh	4 lakh	
	No of skill development schemes to improve placement	1	2	4	4	3	3	
4.6	No of students pursuing higher studies	6	1	7	12	18	19	
	Initiatives taken to assist students for higher studies	Given guidance for GATE preparation Invited	Given guidance for GATE preparation	Given guidance for GATE preparation	Given guidance for GATE preparatio	Given guidance for GATE preparation Invited experts to guide them	Given guidance for GATE preparation Invited	

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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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		experts to guide them for higher studies Mentors have done counselling and given LOR to many students	Invited experts to guide them for higher studies Mentors have done counselling and given LOR to many students	Invited experts to guide them for higher studies Mentors have done counselling and given LOR to many students	n Invited experts to guide them for higher studies Mentors have done counselling and given LOR to many students	for higher studies Mentors have done counselling and given LOR to many student	experts to guide them for higher studies 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	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	Developed by students known as Portal Companion	

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Sector - V, Nerul, Navi Mumbai - 400 706.
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4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	Provided	Provided	Provided	
4.10	Promote alumni networking with students	Conducted Regularly	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 association exists and following are the measures taken: Membership drive was conducted by Alumni association	Alumni association exists and following are the measures taken: Membership drive was conducted by Alumni association	Alumni association exists and following are the measures taken: Membership drive was conducted by Alumni association	Alumni association exists and following are the measures taken: Membership drive was conducted by Alumni association	Alumni association exists and following are the measures taken: Membership drive was conducted by Alumni association	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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	Alumni contribution	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.	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	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	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.	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.	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.	

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Sector - V, Nerul, Navi Mumbai - 400 706.
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			etc.	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	2023-24	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	73	146	76	60	64	60	
5.2	Number of projects relevant to society to provide solutions	5	3	6	10	08	09	
5.3	Number of green campus initiatives & waste management.	3	5	3	3	4	4	

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		manure for gardening Plastic bottle collection machine is installed in campus	collection machine is installed in campus Paperless drive is initiated in campus	which produces manure for gardening Plastic bottle collection machine is installed in campus	ed which produces manure for gardening Plastic bottle collection machine is installed in campus	gardening Plastic bottle collection machine is installed in campus	Plastic bottle collection machine is installed in campus	

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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

S.No	Strategic Objectives	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	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	NAAC Accreditation Process completed with A+, 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	2023-24	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	Participated	Participated	Participated	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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7.2	**IQAC Meetings**	02	02	02	04	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	02 internal & 02 external	
7.5	Participation of staff in training programmes	12	12	12	12	13	12	
7.6	Organization of STTPs/ FDPs/ training within Institute	03	04	02	02	03	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	List the measures taken	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
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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	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	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	01	
7.12	Awards and Recognitions to Institute	NAAC accreditation	NAAC accreditation	NAAC & NBA accreditation	NAAC accreditation	NAAC accreditation	NAAC accreditation	Mention some notable achievements
7.13	Awards and Recognition to faculty	01	Nil	01	01	01	01	
7.14	Stakeholder feedback mechanism	Yes	Yes	Yes	Yes	Yes	Yes	

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

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7.15	Green Initiatives taken & Policies for same	Yes	Yes	Yes	Yes	Yes	Yes	

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Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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Deployment data for AY 2023-24 of ECS Department. Compliance report for the academic year 2023-24 with respect to Strategic Plan 2018-2025.

Goal 1	To enrich curriculum

S. No	**Strategic Objectives**	**2021-22**	**2022-23**	**2023-24**	**Remarks**
1.1	**Department Advisory board**	NIL	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	Done for SE, TE,BE Courses	To be done for every batch at the beginning of the academic year.
1.3	**Academic-Activity Calendar**	Prepared	Prepared	Prepared	Prepared in the beginning of every semester.
1.4	**To enhance curriculum delivery**	NIL	conducted 05 expert talks for students	15	ethical hacking, Insights ,cybersecurity, neural networks and GATE seminar

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	beyond syllabus activities				
	Industrial Visits	0	1	1	Institute level IV
	Guest lectures	3	05	15	Guest lectures are targeted to bridge the curriculum gap identified
	Internships	18	16	20	Internship opportunities are floated during the semester for which interested students apply for their knowledge enhancement
	Problem-Based Learning	Implemented Problem based learning	Implemented	Implemented	Case studies discussion and designing problems to enhance learning experience
	Certificate programs	nil	nil	1	Programs based on the skills development relevant to the needs of Industry
	Student Seminars	3	6	1	Seminars are conducted on the topic beyond syllabus but closely related to the contents
1.5	To offer industry-oriented	Offered	-	1	

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	certification courses/projects				
	MOOCs	12	07	3	Institute Level**:** Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	Nil	01	1	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	1	Student's major projects are based on the problem provided by the industry.
	Expert talks	3	6	15	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	Implemented	Implementing	Shall be implemented every academic year based on the course / batch requirements.
1.7	Result Improvement	N/A	N/A	N/A	Substantial improvement is observed in the result for academic year 20-21 and 2021-22

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekharendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Remedial session	Conducted	Conducted	Conducted	Conducted for the students who score less than 40% marks in UT1 on the topics of UT1 also remedials are conducted for weak students.
	Extra classes for DSE	Conducted	Conducted	Conducted	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	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	1	To be conducted at least once a year
	Course file	Nil	Yes	Yes	Academic audit includes semester wise course file and personal file
	Faculty file	Nil	Yes	Yes	
	Feedback	2	2	4	Students feedback and teaching and learning is conducted at least twice a year.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/DE, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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NAAC A+

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

S.No	Strategic Objectives	2021-22	2022-23	2023-24	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	Innovative teaching methods were used like Flipped classroom in subject ANT, , case studies in subjectsMachine learning and mini projects in EC	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	Various ICT tools are used to enhance the teaching-learning process-MS teams, Virtual labs, Presentations, Concept map, various tools, PPT	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

2.4	Automated library	Yes	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**	**2023-24**	**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	Technical research paper writing for BE students	Project guide mentored their project groups in writing project report

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Research conference and research symposium /STTP	Nil	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	No Sponsorship	
	Sponsored research through research proposals	NA	NA	NA	Minor research grant by university of Mumbai.
	Number of research papers in conferences	Nil	Nil	1	
	Number of research papers in journal	Nil	Nil	2	
	Books written	Nil	Nil	Nil	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/start-up Activities	Nil	Nil	Nil	
3.3	Partnership between industry/ reputed organizations/	Nil	MoU one signed	2	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence
	Internships	18	16	20	Project based Internships are carried out in the industry or on the technologies used in the industry.
	Consultancy work	Nil	Nil	Nil	
	Industry projects	Nil	Nil	1	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	MOU	Nil	01	02	
	Expert session/seminars	3	6	15	
	Short term courses	Nil	Nil	44	Workshops conducted by IIT Bombay remote centre for faculty members and by professional body CSI for students.
	Value-added courses	0	01	5	
	Training program for faculty	1(Mini Project orientation)			Mini Project Orientation was conducted under Mumbai university
	Training by faculty	Nil	Nil	1	By being Resource for workshops and FDPs
	Industry labs	NIL	Nil	Nil	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

SIES Graduate School of Technology (Autonomous)
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Goal 4	To strengthen alumni engagement and enhance the student experience

S. No	Strategic Objectives	2021-22	2022-23	2023-24	Remarks
4.1	No. of students enroll for Certification/Diploma courses	13	21	44	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus		Nil	Nil	
4.3	No. of student participation in extracurricular activities	20	15	32	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon,

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/DE, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	No of program organized by the institute	Nil	Nil	Nil	
	No of award/ medals won by students	22	20	16	
4.4	No of activities undertaken	Nil	Nil	Nil	
	Awards and Recognition to students	48 NAAC 5.3.1_5.3.3.1_21-22.xlsx	Nil	16	
4.5	Percentage of student placed	Nil	Nil	31%	
	Maximum salary	Nil	Nil	6L	
	Median Salary	Nil	Nil	4.5 L	
	No of skill development schemes to improve placement	Nil	Nil	Nil	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

4.6	No of students pursuing higher studies	Nil	Nil	4	
	Initiatives taken to assist students for higher studies	Nil	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	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	Arena for Codeshef SIESGS	
4.9	Professional Counselling and emergency medical service to the students on campus	Available	Available	Available	Mentor and class in charges identified students for counselling and provided professional counselling
4.10	Promote alumni networking with students	Nil	Nil	Nil	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Alumni association and measures to enhance members	Nil	Nil	Nil	
	Alumni contribution	Nil	Nil	Nil	

Goal 5	To enhance contribution towards society and the environment

S.No	Strategic Objectives	2021-22	2022-23	2023-24	Remarks
5.1	Number of students opting for the elective courses that address	Nil	Nil	Nil	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	gender bias, environment and sustainability issues				
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. Student_Mini Project Details SH 21.xlsx	06 for SE & TE Request to maintain separate excel sheet for the tittle and student name whose projects we are considering.	08	SE Mini project had objective towards providing solution to the societal problems
5.3	Number of green campus initiatives & waste management.	-	-	-	2018-19 : e-journal submission, car pooling 2019-20 : reduction in use of plastic water bottles and tiffin's ,E-documentation
5.4	Number social initiatives contributing towards local community	-	-	-	
5.5	Measures to improve waste disposal and e-waste collection	-	-	-	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

Goal 6	To initiate new courses at UG and PG level

S.No	Strategic Objectives	2021-22	2022-23	2023-24	Remarks
6.1	Complete accreditation process	Nil	Nil	Nil	

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

S.No	Strategic Objectives	2021-22	2022-23	2023-24	Remarks

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

7.1	Participate in NIRF, ARIIA, MHRD	Nil	Nil	Nil	
7.2	**IQAC Meetings**	2	2	2	
7.3	Add / Update the organizational standard operating processes	PI included in QP	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	01	NBA audit and Academic audit
7.5	Participation of staff in training programs	2	3	5	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	3	one orientation program	Nil	AICTE -ISTE approved STTP Expert Session on Awareness of Internship FDP Conducted Mini project 1A orientation for ECS faculty of all colleges

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

					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	Nil	Nil	Departmental Library available for faculties and students
7.8	Maintenance of Infrastructure	Nil	Nil	Nil	
7.9	Regular updating of new lab equipment	Yes	Yes	Yes	
7.10	Development of new infrastructure	Nil	yes	Yes	
7.1	No of faculty acquiring PhD	Nil	Nil	3	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

1					
7.12	Awards and Recognitions to Institute	NA	NA	NA	Mention some notable achievements
7.13	Awards and Recognition to faculty	NA	NA	NA	Mention some notable achievements
7.14	Stake holder feedback mechanism	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	Yes	Yes	Yes	2018-19: e-journal submission, car pooling 2019-20: reduction in use of plastic water bottles and tiffin's, E-documentation

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	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/ Internationa		1Each department should have at least one consultancy project with industry, one live project (College Level/SIES group colleges). 2. Each faculty should publish at	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		l level by each department. 3. Revenue generation through consultancy /MOU's/ Alumni by every department as per NAAC/NBA requirement . 4. Each department		least one paper in reputed conferences / Journals. And At least 50% of the total number of faculty should submit research proposal in each department.	

NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		to include at least two value added courses or certificate programs in the emerging areas to enrich the curriculum.		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 an year and arrange one	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

				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 Conferenc	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		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.		es/ Journals/copy right/ patent(Core depts) 2. All the faculty should be involved in conduction of Value added courses. 3. At least one MOOC	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

				course should be developed by each faculty in the department.	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

Deployment data for AY 2023-24 of AIDS Department. Compliance report for the academic year 2023-24 with respect to Strategic Plan 2018-2025.

Goal 1	To enrich curriculum

S. No	**Strategic Objectives**	**2022-23**	**2023-24**	**Remarks**
1.1	**Department Advisory board**	NA	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	Done for SE and 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.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

1.4	**To enhance curriculum delivery beyond syllabus activities**	Seminar beyond syllabus, SDP for students	Seminar beyond syllabus, SDP for students	Subject Seminar, SDB on Mobile Application Development
	Industrial Visits	0	0	Institute level IV
	Guest lectures	03		Guest lectures are targeted to bridge the curriculum gap identified. Data Strcuture, cybersecurity and Devops
	Internships	07	29	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	Implemented: Questions based on Gate, Problems in OS,	Discussion and designing problems to enhance learning experience
	Certificate programs	No	No	-
	Student Seminars	All students for Sem 3 & 4	All students for Sem 3 & 4	Seminars are conducted on the topic beyond syllabus but closely related to the contents

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

1.5	To offer industry-oriented certification courses/projects			
	MOOCs	NA	NA	Institute Level**:** Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	01	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	1		Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

1.6	Innovative teaching methods	Implemented	Implemented	Shall be implemented every academic year based on the course / batch requirements.
1.7	Result Improvement	NA	Yes	Substantial improvement is observed in the result for academic year 22-23 and 2023-24
	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	Practical Mock Test	Practical Mock Test	Shall be conducted based on the course / batch requirements
	Additional practice assignment		Extra questions and class tests	
	Extra lectures for difficult subjects		Conducted	
1.8	Academic Audit	Yes	Yes	To be conducted at least once a year- Interna Audit is conducted

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Course file	Yes	Yes	Academic audit includes semester wise course file and personal file
	Faculty file	Yes	Yes	Maintained for all
	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**	**2022-23**	**2023-24**	**Remarks**
2.1	To develop innovative teaching, learning, and assessment methods	Innovative teaching methods were used like Gate questions for AOA	Innovative teaching methods were used like Gate questions for AOA	conducted based on the course / batch requirements

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	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	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.	Course material is created in the form of lecture Videos, PPTs, lab manuals etc.	
	Recording of lectures and making it available digitally	Yes	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	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.

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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**	**2022-23**	**2023-24**	**Remarks**
3.1	To strengthen research activities in the institute	Technical report writing for SE mini-Project	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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Sponsorship to faculty to encourage participation in research activities on and off-campus	No Sponsorship	No Sponsorship	
	Sponsored research through research proposals	Nil	Nil	Minor research grant by university of Mumbai.
	Number of research papers in conferences	1- IEEE conference paper	2- International conference(abstract indexing)	
	Number of research papers in journal	2	4	
	Books written	Nil	Nil	
3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell	Nil	Nil	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekharendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	/IPR/Preincubation/start-up Activities			
3.3	Partnership between industry/ reputed organizations/	Nil	01-PCS ventures for internship	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence. MOU is signed
	Internships	07	29	Project based Internships are caarchanrried out in the industry or on the technologies used in the industry.
	Consultancy work	Nil	Nil	
	Industry projects	Nil	Nil	
	MOU	00	01	
	Expert session/seminars	02	04	

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PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Short term courses	Nil	Nil	Workshops conducted I for students.
	Value-added courses	01	01	
	Training program for faculty	01	01	STTP conducted for the faculty
	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**	**2022-23**	**2023-24**	**Remarks**

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

4.1	No. of students enroll for Certification/Diploma courses	19	16	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus	Nil	Nil	
4.3	No. of student participation in extracurricular activities	02	05	Dance in TML, Badminton
	No of program organized by the institute	Nil	Nil	
	No of award/ medals won by students	10	09	
44	No of activities undertaken	Nil	8	Guest lectures and project competition
	Awards and Recognition to students	NIL	09	Kaailash sharma participated and won many awards at technical level. Anirudha K winner of badminton matches.

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

4.5	Percentage of student placed	NA	NA	
	Maximum salary	NA	NA	
	Median Salary	NA	NA	
	No of skill development schemes to improve placement	NA	NA	
4.6	No of students pursuing higher studies	NA	NA	
	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	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

Goal 5	To enhance contribution towards society and the environment

S. No	Strategic Objectives	2022-23	2023-24	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	NA	NA	
5.2	Number of projects relevant to society to provide solutions	06	11	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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

				2022-23 : 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**	**2022-23**	**2023-24**	**Remarks**
6.	Complete accreditation process	Nil	Nil	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

1				

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

S.No	**Strategic Objectives**	**2022-23**	**2023-24**	**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	02 (Internal Audit)	02 (Internal Audit)	Academic audit

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

7.5	Participation of staff in training programs	3	3	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	Nil	Nil	
7.7	Strengthening library & Increasing learning resources	Nil	Nil	
7.8	Maintenance of Infrastructure	Nil	Nil	
7.9	Regular updating of new lab equipment	Yes	Yes	
7.10	Development of new infrastructure	yes	yes	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

7.11	No of faculty acquiring PhD	00	00	
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
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	2022-23: e-journal submission, car pooling 2022-23: reduction in use of plastic water bottles and tiffin's, E-documentation
	Institute Level Objectives	1. Planning for organizing International conference in 2023-24.	1. Each department should have at least one consultancy project with	For achieving the goals objectives are planned at

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		2.Design and development of at least six MOOC courses (4 quadrants). 3.Revenue generation through Consultancy by each department. 4.Strengthen industry connect through Internships/ Projects/ Industry mentors/ MoUs.	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 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 an year and arrange one expert talk/Industrial visit/Internship/Project	the beginning of the academic year and various activities are conducted for achieving the objectives.

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

			from Industry/ Educational Institutes.	
	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. 3. One value added on cutting edge technologies	1. At least 90% of Final year projects to publish papers in Conferences/ Journals/copy right/ patent (Core depts). 2. All the faculty should be involved in conduction of Value-added courses. 3. At least one MOOC course should be developed by each faculty in the department.	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

Deployment data for AY 2023-24 of AIML Department. Compliance report for the academic year 2023-24 with respect to Strategic Plan 2018-2025.

Goal 1	To enrich curriculum

S. No	**Strategic Objectives**	**2022-23**	**2023-24**	**Remarks**
1.1	**Department Advisory board**	NA	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	Done for SE and 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**	Seminar beyond syllabus, SDP for students	Seminar beyond syllabus, SDP for students	Subject Seminar, Value Added Course on "Competitive Coding", Problem based Learning
	Industrial Visits	0	0	Institute level IV

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Guest lectures	01	05	Guest lectures are targeted to bridge the curriculum gap identified. xCyber Security, Data Science, Python Django Framework, ,IVP, Practical Applications of Algorithm
	Internships	07	25	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	Implemented: Puzzle on DWM, AI, DS, TPS on SAIDS	Discussion and designing problems to enhance learning experience
	Certificate programs	No	No	-
	Student Seminars	All students for SE	All students for SE, TE	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	College Level DWM Subject	Institute Level**:** Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	01	02	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

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Industry Projects	Nil	Nil	Student's major projects are based on the problem provided by the industry.
	Expert talks	1	1 (Importance of communication and story telling,)	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	Implemented	Shall be implemented every academic year based on the course / batch requirements.
1.7	Result Improvement	NA	Yes	Substantial improvement is observed in the result for academic year 22-23 and 2023-24
	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	Practical Mock Test	Practical Mock Test	Shall be conducted based on the course / batch requirements
	Additional practice assignment		Extra questions and class tests	
	Extra lectures for difficult subjects		Conducted	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

1.8	Academic Audit	Yes	Yes	To be conducted at least once a year- Internal Audit is conducted
	Course file	Yes	Yes	Academic audit includes semester wise course file and personal file
	Faculty file	Yes	Yes	Maintained for all
	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**	**2022-23**	**2023-24**	**Remarks**
2.1	To develop innovative teaching, learning, and assessment methods	Innovative teaching methods were used like Gate questions for AOA, Data Structure , OS, DLCOA	Innovative teaching methods were used like Gate questions for DLCOA, AOA, Data Structure , OS, CN, TCS, certificate course on particular experiment in Penetration testing	conducted based on the course / batch requirements

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	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	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.	Course material is created in the form of lecture Videos, PPTs, lab manuals etc.	
	Recording of lectures and making it available digitally	Yes	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	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.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

SIES Graduate School of Technology (Autonomous)
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S. No	**Strategic Objectives**	**2022-23**	**2023-24**	**Remarks**
3.1	To strengthen research activities in the institute	Technical report writing for SE mini-Project	Technical report writing for SE and TE mini-Project, one group published paper as journal chapter.	Project guide mentored their project groups in writing project report
	Research conference and research symposium /STTP	01	01	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	Nil	Nil	Minor research grant by university of Mumbai.
	Number of research papers in conferences	Nil	04	
	Number of research papers in journal	Nil	01	
	Books written	Nil	Nil	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

3.2	To establish an innovation ecosystem for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/start-up Activities	Nil	01 (Uncodez)	
3.3	Partnership between industry/ reputed organizations/	Nil	Nil	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence. MOU is signed
	Internships	07	09	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	00	02	
	Expert session/seminars	02	04	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Short term courses	Nil	Nil	Workshops conducted I for students.
	Value-added courses	01	01	
	Training program for faculty	01	01	STTP conducted for the faculty
	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**	**2022-23**	**2023-24**	**Remarks**
4.1	No. of students enroll for Certification/Diploma courses	00	16	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus	Nil	Nil	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

4.3	No. of student participation in extracurricular activities	10	15	Dance in TML, Badminton,
	No of program organized by the institute	Nil	Nil	
	No of award/ medals won by students	00	12	
44	No of activities undertaken	Nil	08	Guest lectures and project competition
	Awards and Recognition to students	NIL	12	
4.5	Percentage of student placed	NA	NA	
	Maximum salary	NA	NA	
	Median Salary	NA	NA	
	No of skill development schemes to improve placement	NA	NA	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY NERUL NAVI MUMBAI 400 706.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

4.6	No of students pursuing higher studies	NA	NA	
	Initiatives taken to assist students for higher studies	Nil	Nil	
4.7	Mentor Mentee interactions	Conducted Regularly: Minimum 3 meeting in a semester along with PTM	Conducted Regularly: Minimum 3 meeting in a semester along with PTM	
4.8	Online student portal for academic and non-academic activities	Arena for Codechef SIESGST	Arena for Codechef 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	NA	NA	
	Alumni association and measures to enhance members	NA	NA	
	Alumni contribution	NA	NA	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

Goal 5	To enhance contribution towards society and the environment

S. No	Strategic Objectives	2022-23	2023-24	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	NA	NA	
5.2	Number of projects relevant to society to provide solutions	05	08	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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

				2022-23 : 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**	**2022-23**	**2023-24**	**Remarks**
6.1	Complete accreditation process	Nil	Nil	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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

S.N o	**Strategic Objectives**	**2022-23**	**2023-24**	**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	02 (Internal Audit)	02 (Internal Audit)	Academic audit
7.5	Participation of staff in training programs	3	3	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	Nil	01	
7.7	Strengthening library & Increasing learning resources	Nil	Nil	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

7.8	Maintenance of Infrastructure	Nil	Nil	
7.9	Regular updating of new lab equipment	Yes	Yes	
7.10	Development of new infrastructure	yes	yes	
7.11	No of faculty acquiring PhD	00	01	
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
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	2022-23: e-journal submission, car pooling

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

				2022-23: reduction in use of plastic water bottles and tiffin's, E-documentation
	Institute Level Objectives	1. Planning 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. 4.Strengthen industry connect through Internships/ Projects/ Industry mentors/ MoUs.	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 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 an year and arrange one expert talk/Industrial visit/Internship/Project from Industry/ Educational Institutes.	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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	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.	1. All the faculty should complete NPTEL MOOC Course 2. All the faculty should be involved in conduction of Value-added courses. 3. At least one MOOC course should be developed by each faculty in the department	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

Deployment data for AY 2023-24 of CSE(IoT&CSIBCT)Department. Compliance report for the academic year 2023-24 with respect to Strategic Plan 2018-2025.

Goal 1	To enrich curriculum

S. No	**Strategic Objectives**	**2022-23**	**2023-24**	**Remarks**
1.1	**Department Advisory board**	NA	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	Done for SE and 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.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

1.4	**To enhance curriculum delivery beyond syllabus activities**	Seminar beyond syllabus, SDP for students	Seminar beyond syllabus, SDP for students	Subject Seminar, Certification, problem based learning
	Industrial Visits	0	1	Institute level IV
	Guest lectures	02	08	Guest lectures are targeted to bridge the curriculum gap identified. Data Structure, cybersecurity and Devops
	Internships	01	43	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	Implemented: Questions based on Gate, Problems in OS,	Discussion and designing problems to enhance learning experience
	Certificate programs	No	No	-
	Student Seminars	All students for SE	All students for SE, TE	Seminars are conducted on the topic beyond syllabus but closely related to the contents

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

1.5	To offer industry-oriented certification courses/projects			
	MOOCs	NA	NA	Institute Level**:** Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	02	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	1		Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

1.6	Innovative teaching methods	Implemented	Implemented	Shall be implemented every academic year based on the course / batch requirements.
1.7	Result Improvement	NA	Yes	Substantial improvement is observed in the result for academic year 22-23 and 2023-24
	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	Practical Mock Test	Practical Mock Test	Shall be conducted based on the course / batch requirements
	Additional practice assignment		Extra questions and class tests	
	Extra lectures for difficult subjects		Conducted	
1.8	Academic Audit	Yes	Yes	To be conducted at least once a year- Internal Audit is conducted

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	Course file	Yes	Yes	Academic audit includes semester wise course file and personal file
	Faculty file	Yes	Yes	Maintained for all
	Feedback	2	4	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**	**2023-24**	**Remarks**
2.1	To develop innovative teaching, learning, and assessment methods	Innovative teaching methods were used like Gate questions for AOA, Data Structure , TCS, OS	Innovative teaching methods were used like Gate questions for AOA, Data Structure , OS,CN, TCS, certificate course on	conducted based on the course / batch requirements

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

			particular experiment in Penetration testing	
	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	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.	Course material is created in the form of lecture Videos, PPTs, lab manuals etc.	
	Recording of lectures and making it available digitally	Yes	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	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.

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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**	**2022-23**	**2023-24**	**Remarks**
3.1	To strengthen research activities in the institute	Technical report writing for SE mini-Project	Technical report writing for SE and TE mini-Project, one group published paper as journal chapter.	Project guide mentored their project groups in writing project report
	Research conference and research symposium /STTP	00	01	Conferences workshop attended/ Mooc Courses completed

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Sponsorship to faculty to encourage participation in research activities on and off-campus	No Sponsorship	No Sponsorship	
	Sponsored research through research proposals	Nil	Nil	Minor research grant by university of Mumbai.
	Number of research papers in conferences	Nil	Nil	
	Number of research papers in journal	Nil	01	
	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	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

3.3	Partnership between industry/ reputed organizations/	Nil	Nil	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence. MOU is signed
	Internships	07	29	Project based Internships are caarchanrried out in the industry or on the technologies used in the industry.
	Consultancy work	Nil	Nil	
	Industry projects	Nil	Nil	
	MOU	00	01	
	Expert session/seminars	02	04	
	Short term courses	Nil	Nil	Workshops conducted I for students.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	Value-added courses	02	01	
	Training program for faculty	01	01	STTP conducted for the faculty
	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**	**2022-23**	**2023-24**	**Remarks**
4.1	No. of students enroll for Certification/Diploma courses	00	29	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus	Nil	Nil	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

4.3	No. of student participation in extracurricular activities	02	05	Dance in TML, Badminton,
	No of program organized by the institute	Nil	Nil	
	No of award/ medals won by students	02	02	
44	No of activities undertaken	Nil	Nil	Guest lectures and project competition
	Awards and Recognition to students	NIL	02	
4.5	Percentage of student placed	NA	NA	
	Maximum salary	NA	NA	
	Median Salary	NA	NA	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

	No of skill development schemes to improve placement	NA	NA	
4.6	No of students pursuing higher studies	NA	NA	
	Initiatives taken to assist students for higher studies	Nil	Nil	
4.7	Mentor Mentee interactions	Conducted Regularly: Minimum 2 meeting in a semester along with PTM	Conducted Regularly: Minimum 2 meeting in a semester along with PTM	
4.8	Online student portal for academic and non-academic activities	Arena for Codechef SIESGST	Arena for Codechef 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	NA	NA	

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

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

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

S. No	**Strategic Objectives**	**2022-23**	**2023-24**	**Remarks**
5.1	Number of students opting for the elective courses that	NA	NA	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

	address gender bias, environment and sustainability issues			
5.2	Number of projects relevant to society to provide solutions	05	08	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
5.4	Number social initiatives contributing towards local community	-	-	
5.5	Measures to improve waste disposal and e-waste collection	-	-	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

Goal 6	To initiate new courses at UG and PG level

S. No	Strategic Objectives	2022-23	2023-24	Remarks
6.1	Complete accreditation process	Nil	Nil	

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

S.No	Strategic Objectives	2022-23	2023-24	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Nil	Nil	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

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	02 (Internal Audit)	02 (Internal Audit)	Academic audit
7.5	Participation of staff in training programs	1	2	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	Nil	Nil	
7.7	Strengthening library & Increasing learning resources	Nil	Nil	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

7.8	Maintenance of Infrastructure	Nil	Nil	
7.9	Regular updating of new lab equipment	Yes	Yes	
7.10	Development of new infrastructure	yes	yes	
7.11	No of faculty acquiring PhD	00	00	
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
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.

S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS) NERUL NAVI MUMBAI 400 706.
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

7.15	Green Initiatives taken & Policies for same	Yes	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	1. Planning 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. 4.Strengthen industry connect through Internships/ Projects/ Industry mentors/ MoUs.	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 research proposal in 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.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal

			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 an year and arrange one expert talk/Industrial visit/Internship/Project from Industry/ Educational Institutes.	
	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.	1. At least 90% of Final year projects to publish papers in Conferences/ Journals/copy right/ patent (Core depts). 2. All the faculty should be involved in conduction of Value-added courses. 3. At least one MOOC course should be developed by each	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.
Principal

		3. One value added on cutting edge technologies	faculty in the department.	

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)
Plot 1C/D/E, Sri Chandrasekarendra Saraswathy Vidyapuram
Sector - V, Nerul, Navi Mumbai - 400 706.

Principal