6.2.1.

Vision and Mission

VISION

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

MISSION

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

Quality Policy

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

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

Values

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

Nurturing young minds is a vital responsibility and we at SIES GST have set bedrock values
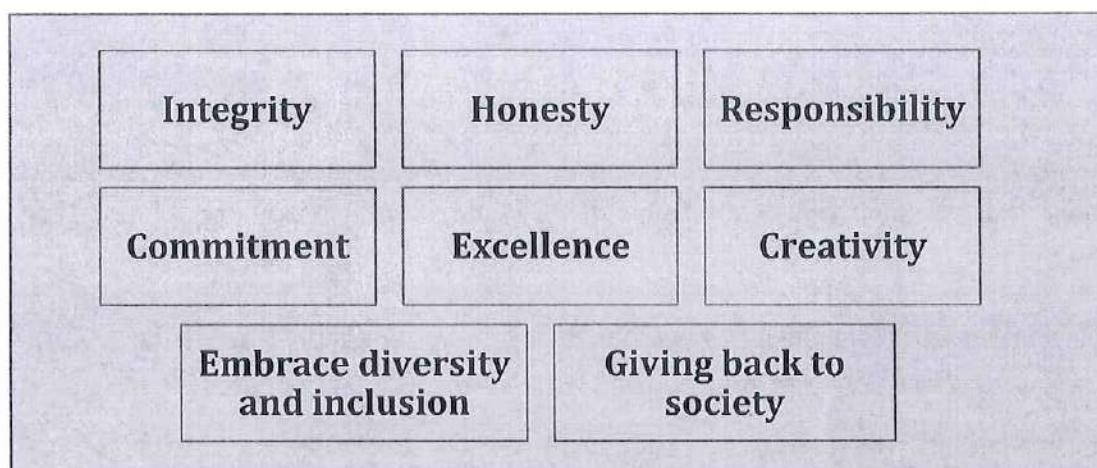
PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
Sri Chandrasekarendra Saraswathy Vidyapuram
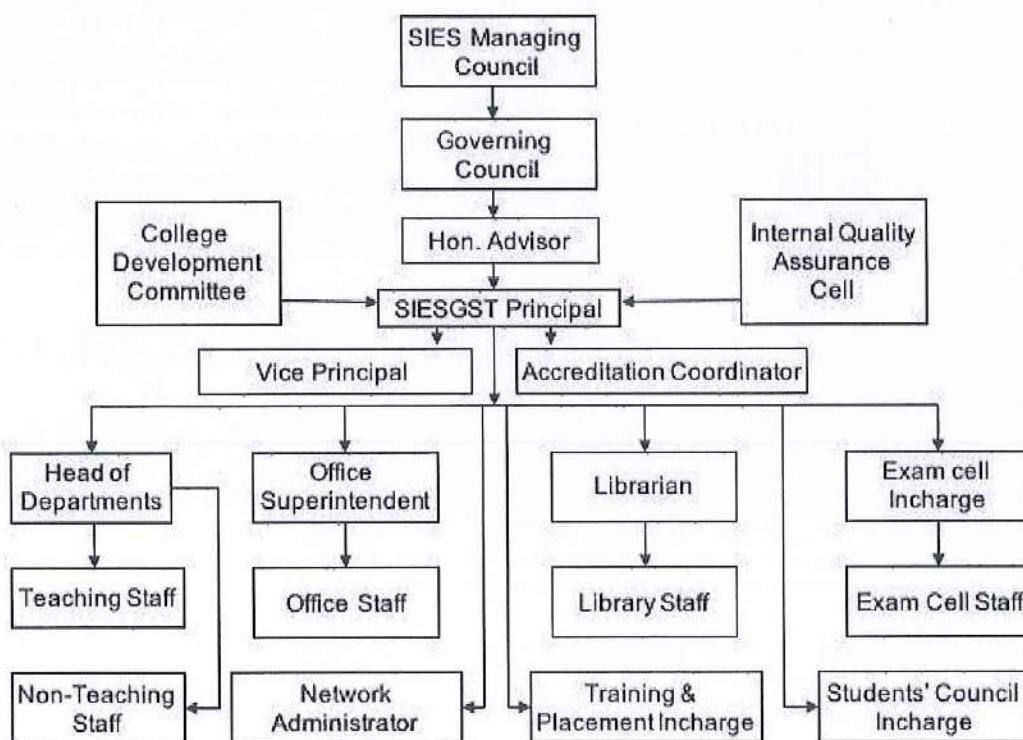Sector-V, Nerul, Navi Mumbai-400706

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

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

Core Values

Integrity	Honesty	Responsibility
Commitment	Excellence	Creativity
Embrace diversity and inclusion	Giving back to society	

Organizational structure

Governing Council members 2018-19

Members of the Board and their brief backround

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

IQAC Members

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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
Sri Chandrasekarendra Saraswathy Vidyapuram
Sector-V, Nerul, Navi Mumbai-400706

Quality Initiatives IQAC

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

Academic and Administrative Audits

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

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

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

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

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

Management Review presentations

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

Need for Strategic Plan

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

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
Sri Chandrasekarendra Saraswathy Vidyapuram
Sector-V, Nerul, Navi Mumbai-400706

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

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

MISSION SIES 2025

SIES SHALL BE AMONGST THE MOST ADMIRED ACADEMIC INSTITUTIONS IN INDIA

WHAT DOES ADMIRATION MEAN?

A feeling of wonder, pleasure or approval.

The act of looking on or contemplating with pleasure

Approval, esteem, regard, affection, veneration, honor, idolization, reverence - synonyms for admiration

THE IDENTITY FOR ANY SIES INSTITUTION

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

OUR ADMIRATION SHALL FLOW FROM

The quality of our efforts in the field of education

The quality – the reach, the expanse and sweep of our academic services

Our respect for 'Law' at all times

The creation of an SIES Family where a full family tree would have experienced SIES as students

WHAT DOES THAT CONVEY FOR SIES?

We shall confine ourselves to our core competence i.e. universalising education

We shall redefine the boundaries of our activities beyond Mumbai, Navi Mumbai to India

We need not be 'BIG' but shall endeavour to be the 'BEST'

We shall be 'Admired' for our activities in life learning process through 'Education' The admiration shall come from all stakeholders – students, staff, society

Our scale of admiration shall be based on the value addition we provide during the student days

We shall ever remain 'Student centric' for we have no existence without them

IT'S HALF WAY THROUGH OUR CENTENARY IN 2032

Phase I - GOALS

Student strength to reach over 50,000

SIES – University for Higher education

All institutions accredited at the highest grade 'A' for e.g. in NAAC

Socially responsive education. Beyond the classrooms or social media. 'ISR' the dominant face of SIES. A Good share of admiration from ISR.

Most vibrant network of Alumni, Past Teachers and Staff, present human resources creating the vast SIES Family.

Phase II – Goals and action plan in 2022

2017 → 2025 → 2032

Graduate School of Technology
SIES
RISE WITH EDUCATION

Strategic Planning Process

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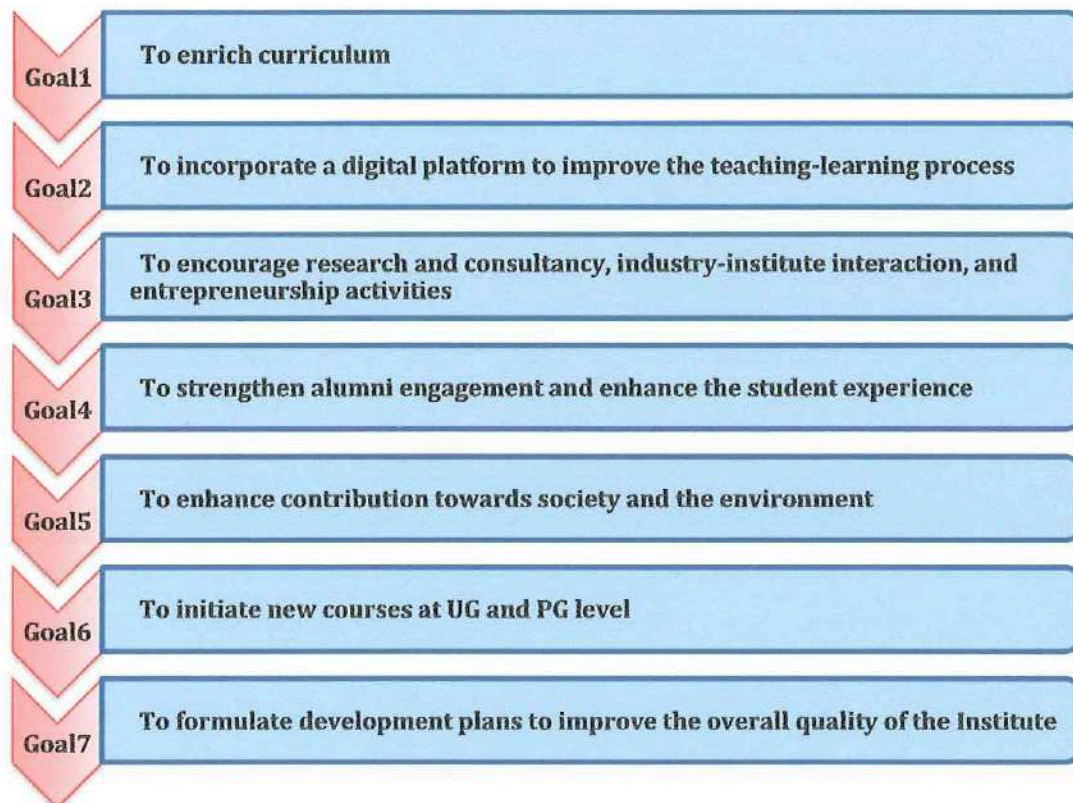

SWOC

Institutional Strength	Institutional Weakness
• Management: Strong and supportive management which has a progressive view and provides holistic development of its students and staff. • Conducive environment and state of the art Infrastructure • Learner centric & ICT enabled Teaching–Learning process, • Academic Audit and Beyond Syllabus • Social responsibility	• International engagement in terms of student and faculty exchange programs • Limited number of research publications in peer-reviewed journals. • Limited research grants, consultancies, and patents. • Faculty upgradation to keep in pace with changing technologies and pedagogy
SWOC	
Institutional Opportunity	**Institutional Challenge**
• International collaborations • Increase in Industry Institute Interaction through MoU with reputed institutions and premier industries. • Enhancing alumni collaboration. • New courses at UG and PG level	• Changing admission scenario in engineering and technology due to wide availability of other professional programmes • Unpredictable placement opportunities • Availability of competent Ph.D. faculty • Space constraint being in a Metropolitan city like Mumbai

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
Sri Chandrasekarendra Saraswathy Vidyapuram
Sector-V, Nerul, Navi Mumbai-400706

Strategic Plan Implementation and Monitoring

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

Strategic Goals 2018-2025

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

Goal1	**To enrich curriculum**
Goal2	**To incorporate a digital platform to improve the teaching-learning process**
Goal3	**To encourage research and consultancy, industry-institute interaction, and entrepreneurship activities**
Goal4	**To strengthen alumni engagement and enhance the student experience**
Goal5	**To enhance contribution towards society and the environment**
Goal6	**To initiate new courses at UG and PG level**
Goal7	**To formulate development plans to improve the overall quality of the Institute**

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
Sri Chandrasekarendra Saraswathy Vidyapuram
Sector-V, Nerul, Navi Mumbai-400706

Department of Electronics and Telecommunication -

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

Strategic Deployment Document for AY 2018-19 , 2019-20 &2020-21

Goal 1	To enrich curriculum

S.No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
1.1	**Department Advisory board**	One meeting conducted Oct 20,2018 DAB meeting conducted. https://drive.google.com/file/d/10JdrgUGbEnyjBq1ZKftX16dUhGqFi1OS/view?usp=sharing	One meeting conducted Oct 19,2019 DAB meeting conducted. https://drive.google.com/file/d/1W6xamaAJJkY3dcfb9WWEcukl_46d04ql/view?usp=sharing	One meeting conducted Jan 27,2021 DAB meeting conducted. https://drive.google.com/file/d/1LCgIlv9_lB7ibCia3YELaNAfyAti2NdM/view?usp=sharing	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	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 beyond syllabus activities**	Conducted	Conducted	Conducted	Some activities are conducted like poster presentations, Simulations,Seminars,Case studies etc.
	Industrial Visits	2	4	--	Students will get experiential learning by IV to understand different electronics and communication concepts
	Guest lectures	4	-	1	To enhance the knowledge related to subject
	Internships	74	62(industry internships) +143(SDPs)	55(industry internship) + 53 (SDP)	Students take up internship in the vacation
	Problem-Based Learning	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	Students undergo different certificate programs during summer and winter vacations as per their area of interest.
	Student Seminars	9	4	17	Different seminars are organized to update the students

					with current technology as well as for skill developments
1.5	**To offer industry-oriented certification courses/projects**	Offered	Offered	Offered	.
	MOOCs	6(NPTEL)	7(NPTEL)+200(Courseera and UDEMy)	86(coursera)	NPTEL,Coursera,Udemy
	Value Added Courses	1	0	2	
	Industry Projects	0	0	2	
	Expert talks	9	11	1	
1.6	Innovative teaching methods	Implemented	Implemented	Implemented	implemented every academic years based on the course / batch requirements. For example TPS, Flipped classroom, Project based learning, Peer Instruction, simulations, Poster/paper presentation etc.

1.7	Result Improvement						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.

First set (17-18 / 18-19):

	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%

Second set (18-19 / 19-20):

	18-19	19-20	+/-
SE:	65.25	100	+34.75%
TE:	68.97	100	+31.03%
BE:	90.61	99.28	8.68%

Third set (19-20 / 20-21):

	19-20	20-21	+-
SE:	100	94.53	-5.47%
TE:	100	100	+0%
BE:	99.28	100	+0.72%

	Remedial session	Conducted	Conducted	Conducted	All the faculty of the department conduct remedial session

	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted for all six subjects
	Preliminary Exam	Not conducted	Not conducted	Not conducted	Shall be conducted based on the course / batch requirements
	Additional practice assignment	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	
1.8	Academic Audit	Conducted on 25/05/2019 for the AY 2017-18 by Dr. S. S. Rathod, SPIT, Andheri	Conducted on 28/11/2019 for the AY 2018-19 by Dr. D. V. Bhoir, Fr. Conceicao Rodrigues College of Engineering,	1. 22/1/2021 for the AY 2019-20, 2. Conducted on 5/2/2021 for the SH2020 by Dr. Bindu S, Fr. C. Rodrigues Institute of Technology, Vashi	To be conducted at least once a year
	Course file	Yes	Yes	yes	Course files are prepared for every subject.
	Faculty file	Yes	Yes	yes	Handbook is maintained every semester
	Feedback	Yes	Yes	yes	Conducted at least twice a year.

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

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	Developed	conducted based on the course / batch requirements
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	
	Development of e-content	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	Yes	
2.2	Transparency in continuous evaluation	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	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Yes	Yes	Yes	Centrally made available

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

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
3.1	**To strengthen research activities in the institute**	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Seminar on technical paper writing was conducted for BE students.	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 2. Internet of Things- 17 3.Augmented reality: Applications and development platforms- 17	AY 2018-19 - STTP on Neural Network and Deep Learning using TensorFlow AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing AY 2019-20 - FDP on Geoinformatics and Related Open Source Technology AY 2019-20 - One day workshop on 'Scilab' organized by IIT bombay

				cordinated by EXTC Department (online) AY 2020-21 STTP on Recent Trends in wireless Technologies FDP 2020-21 1. Use of Games and simulation in teaching 2. Internet of Things 3.Augmented reality: Applications and development platforms
	Sponsorship to faculty to encourage participation in research activities on and off-campus	--	--	17 College has sponsored STTP on Recent Trends in Wireless Communication Technologies	
	Sponsored research through research proposals	6	3	--	
	Number of research papers in conferences	4	8	7	
	Number of research papers in journal	papers in UGC Journals:12 All Journals::-14	papers in UGC Journals: 2 All	papers in UGC Journals:15 All Journals::-28	

			Journals: -8		
	Books written	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	
3.3	**Partnership between industry/ reputed organizations /**	Good partnerships established	Excellent Partnerships established	Partnerships through MoUs and DABs	
	Internships	74	62	55 (industry) +53 (SDP)	Students take up internship in the vacation
	Consultancy work	--	--	--	
	Industry projects	0	0	2	
	MOU	2	0	3	

	Expert session/seminars	2	0	2	
	Short term courses	2	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
	Value-added courses	1	0	0	SIT conducted by Eduvance, 34 students attended
	Training program for faculty	3	1	3	AY 2018-19 - STTP on Neural Network and Deep Learning using TensorFlow AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing AY 2019-20 - FDP on Geoinformatics and Related Open Source Technology AY 2019-20 - One day workshop on 'Scilab' organized by IIT bombay cordinated by EXTC

					Department (online)
	Training by faculty	1	Enter Number -2	1	AY 2019-20 - STTP on Antennas and RF Components Design, Fabrication and Testing, Speakers - Prof. Shishir Jagtap and Vandana Sawant. AY2018-19 - Orientation Program on Course File, Handbook, Personal File and Mentor-Mentee Scheme. Speaker - Prof. Biju Balakrishnan
	Industry labs	--	--	--	

Goal 4	To strengthen alumni engagement and enhance the student experience

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
4.1	No. of students enroll for Certification/ Diploma courses	34	181	134	SDP/internship attended by the students
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	2002	2056	2003	These numbers are excluding sports and cultural activities.
	No of program organized by the institute	5(SDP)+11(workshop)= 16	7(SDP)+10(workshop)=17	3 (SDP) + 2 (Workshop)	
	No of award/ medals won by students	11(intercollegiate) + 21(deparement) =33	32 (intercollegiate) + 30(dept) = 62	23 (intercollegiate)+ 2 (dept) = 25	
4.4	No of activities	38	43	30	

	undertaken				
	Awards and Recognition to students	21(dept)	30(dept)	18	❖IEEE Regional Exemplary Student Branch Award 2020 ❖IEEE Regional Exemplary Student Branch Award 2021 ❖Darrel Chong Student Activity award 2021 ❖Winner of Got Talent at IEEE all India Congress 2021 at Kochi, Kerala
4.5	Percentage of student placed	54.36	42.62	26.27	
	Maximum salary	Rs.10 lpa	Rs.5.5 lpa	Rs 6.6 lpa	
	Median Salary	Rs. 2.8	Rs.3.6 lpa	3.6 lpa	
	No of skill development schemes to improve placement	05	05	01	
4.6	No of students pursuing higher studies	08	10	04	
	Initiatives taken to assist	Seminars on competitive exams, career	Seminars on competitive exams, career	Seminars on competitive exams, career guidance ,	

		guidance , GRE-TOEFL	guidance , GRE-TOEFL	GRE-TOEFL	
4.7	Mentor Mentee interactions	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	At institute level
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	At institute level
4.10	Promote alumni networking with students	Conducted Regularly	Conducted Regularly	Conducted Regularly	2018-19: Alumni Reconnect on 05/01/2019 2019-20: Alumni Reconnect on 04/01/2020
	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 contribution	2018-19:Alumni talk on "Life after Engineering & How to Select project for BE" on 2nd April 2019 by Ameya Kale.	2019-20: Alumni talk on "Data Analytics & Machine Learning" on 19 September 2019 by A. Shyam	2020-21:Live with Alumni after Graduation: Aditi Kulkarni 18/7/2020 Nivedita Deshpande 10/10/2020 Aman Rajput 16/10/2020 Bridge the gap Aakansha Kohli 7/3/2021 Shreya Pattar 14/3/2021 Mohini Jodhpurkar 28/3/2021 Vipul Varkar 27/6/2021	.

Goal 5	To enhance contribution towards society and the environment

S. No	Strategic Objectives	2018-19	2019-20	2020-21	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	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	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	2018-19 : e-journal submission,car pooling 2019-20 : reduction in use of plastic water bottles and tiffins ,E-documentation
5.4	Number social initiatives contributing towards local community	5	6	2	

| 5.5 | Measures to improve waste disposal and e-waste collection | Dustbin making activity

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	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	

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

S. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	
7.2	**IQAC Meetings**	2	4	2	
7.3	Add / Update the organizational standard operating processes	provided at institute level	provided at institute level	provided at institute level	
7.4	Internal and External audits	External Audit for AY 2017-18 on 20/5/2019 Internal Audit for SH2018 on 11/4/2019	External Audit for AY 2018-19 on 28/11/2019 Internal Audit for FH2019 on 28/9//2019	External Audit for SH2020 on 05/02/2021 and for AY2019-20 on 22/1/2021 Internal Audit for SH2020 on 01/01/2021	
7.5	Participation of staff in training programmes	63	129	97	Provided under criteria 6.3.4
7.6	Organization of STTPs/ FDPs/ training within Institute	8	2	3 (FDP) + 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,assignments, university Q papers through Google classroom	Faculty are sharing notes,books ,video recordings,assignments, university Q papers through Google classroom	Learning Resources
7.8	Maintenance of Infrastructure	Yes	Yes	yes	Done as per requirement
7.9	Regular updation of new lab equipment	Yes	Yes	yes	Lab equipments are purchased according to the requirements of the syllabus and all lab deadstock registers are updated.
7.10	Development of new infrastructure	No	No	no	Mention the new infrastructure in brief
7.11	No of faculty acquiring PhD	1 completed. 5 pursuing	2 completed 7 pursuing	7 pursuing	18-19 Preeti Hemnani completed 19-20 shubhangi K , Shishir J completed PhD

7.12	Awards and Recognitions to Institute	1	Na	2		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		
7.15	Green Initiatives taken & Policies for same	yes	yes	yes		

In the beginning of academic year Institute level and department level objectives are defined which are framed to achieve the above seven goals and various activities are conducted to achieve the objectives.

2018-19

1. To provide value based education using at least one innovative teaching methods and one ICT tool per course.

2. To strengthen the Industry Institute Interaction to qualify for the third round of AICTE-CII Survey.

(Target for Internship-200 Students)

3.To promote self learning amongst students, at least 25% from each class.

2019-20

1.To qualify for platinum category grade in AICTE-CII survey.

2 .To conduct at least two non technical audit courses by each department and two non-technical audit courses by the institute.

2020-21

1. To increase the number of Industry MoUs/ linkages and conduct atleast one activity per year under this linkage.

2. To implement IT enabled management for all activities of the Institute

3. To improve participation of alumni in resource generation and planning and development.

4. To formulate and implement start-up policy

| Department level objectives | **2018-19**

1. To enhance Research & Development activities amongst students and faculty members.

(atleast 10 publications from students & publications atleast by 50% of department faculty strength, atleast one research grant per department, atleast one activity on reading/writing research paper & creating a review paper)

2. To promote entrepreneurship by encouraging students to take up innovative projects (atleast one from each department)

3. To initiate a process for developing online learning resources.

4. To increase activities towards strengthening of student's core competency by atleast 10%.

2019-20

1. To get accreditation from National Board for Electronics and Telecommunication department.

2. To start WIE(Women's in Engineering) affinity group in 2019-20 under IEEE student chapter.

3. To strengthen R & D activities.

4 .To conduct atleast one SDP in multidisciplinary field

2020-21

1.To sign atleast one MoU and conduct atleast one activity under the signed MoU

2. To increase alumni engagement

3. To increase the no. of research publications of students and faculty in referred journals and reputed Conferences |
|---|---|

CE - Deployment for AY 2018-19 & 2019-20

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

Strategic Deployment Document for AY 2018-19 , 2019-20 &2020-21

Goal 1	To enrich curriculum

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
1.1	**Department Advisory board**	https://drive.google.com/file/d/1D-jirztZTY_EBbhZs951kdsQL-lCtiJB/view?usp=sharing	https://drive.google.com/file/d/1nr8Ba5Bv3nNJUV-CjH2R_dRKh0R2MlYt/view?usp=sharing	https://drive.google.com/file/d/1r9fdCvtW2nVHbM1cBQlCTH2HZRB3d0Wf/view?usp=sharing	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	Carried out 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 beyond syllabus activities**	Conducted	Conducted	Conducted	Seminars and Lab beyond syllabus contents are arrnaged
	Industrial Visits	2	2	0	Visits are organized on regular basis to IT and other related companies

	Guest lectures	8	3	7	Guest lectures are targetted to bridge the curriculum gap identified
	Internships	72	56	120	
	Problem-Based Learning	Implemented	Implemented	Implemented	Case studies discussion and designing problems to enhance learning experience
	Certificate programs	2	10	0	Programs based on the skills development relevant to the needs of Industry
	Student Seminars	6	6	46	Seminars are conducted on the topic beyound syllabus but closely related to the contents
1.5	**To offer industry-oriented certification courses/ projects**	Offered	Offered	Offered	
	MOOCs	287	668	**48**	**Institute Level** : Courses offered by institute as NPTEL Study centre, Coursera university partner and IIRS Network Institute
	Value Added Courses	2	10	0	In summar and winter vacations,value added courses are conducted at department level which aims to enhance the programming/coding skills and updates in the technology
	Industry Projects	1	1	0	Students major projects are based on the problem provided by the industry.
	Expert talks	5	1	3	Expert talks are arranged to bring awareness students about cutting edge technologies in the industry various relevant standards used
1.6	Innovative teaching methods	Implemented : Mind Map, Collaborative teaching method	Implemented : Mind Map ,Collaborative teaching, Reflective learning ,Role	Implemented Collaborative learning, Quiz, Poll	Shall be implemented every academic years based on the course / batch requirements.

					1 9- 2 0	20 - 21	+ / -	

			Play					
1.7	Result Improve ment	Compared to 2017-18:	Compared to 2018-19:					Substantial improvement is observed in the result for academic year 19-20 and 2020-21

Inner table (Compared to 2017-18):

	17-18	18-19	+/-
SE	88.70	75.23	-13.47%
TE	93.58	88.98	-4.6%
BE	98.18	96.30	-1.88%

Inner table (Compared to 2018-19):

	18-19	19-20	+/-
SE	75.23	85.71	+13.34%
TE	88.98	95.28	+6.3%
BE	96.30	99.15	

Inner table (right column):

	19-20	20-21	+/-
SE	85.71	100	+14.29%
TE	95.28	100	+4.72%
BE	99.15	100	+0.85%

(Odd semester result in 2019-20 is represented here without considering KT result.
During KT examination in

	Remedial session	Conducted	Conducted	Conducted(10)	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 time table on daily basis
	Preliminary Exam	Not conducted	Not conducted	Conducted(13)	Shall be conducted based on the course / batch requirements
	Additional practice	Conducted	Conducted		

	assignme nt				
	Extra lectures for difficult subjects	-			
1.8	Academi c Audit	1 External audit Conducted.	1 External audit Conducted.	1 External audit Conducted.	To be conducted at least once a year
	Course file	19(Odd Sem)+17(Even sem)	17		Academic audit includes semester wise course file and personal file
	Faculty file	22	18	18	
	Feedback	2	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

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	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,, MCC,DBMS,SPCC to make the lecture interactive as well as helped in assessing 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.	conducted based on the course / batch requirements
	Development of e-content	Course material is created in the form of lecture Videos, PPTs, lab manuals, etc.	Course material is created in the form of lecture Videos, PPTs, lab manuals, etc.	Course material is created in the form of lecture Videos, PPTs, lab manuals, youtube videos, etc.	
	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.	
2.2	Transparency in continuou	The assignment marks, experiment	The assignment marks, experiment	TW calculation involving assignment	The solution key shared is with students after the exam and the paper

	s evaluation	evaluations, test marks are shown to students and the discrepancies are resolved immediately.	evaluations, test marks are shown to students and the discrepancies are resolved immediately.	marks, experiment evaluations,attendance and also test marks are shown to students and the discrepancies are resolved immediately	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.
2.4	Automated library	Yes	Yes	Yes	Centrally made available

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

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	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	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	Conferences attended/published research work
	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	
	Sponsored research through research proposals	1 (40,000/-)	3 (Rs. 75,000/-)	NA	Minor research grant by university of Mumbai.
	Number of research papers in conferences	7	8	11	
	Number of research papers in journal	Enter Number of papers in UGC Journals:9 All Journals: 9	Enter Number of papers in UGC Journals:1 All Journals: 11	Enter Number of papers in UGC Journals:5 All Journals: 6	

	Books written	Nill	4 Books	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	
3.3	**Partnership between industry/ reputed organizations/**	Collaboration for internship	Collaboration for internship	Collaboration for internship	Project evaluation, Faculty pursuing Ph.D. from institutes of national eminence
	Internships	72	56	92	Project based Internships are carried out in the industry or on the technologies used in the industry.
	Consultancy work	NA	NA	NA	
	Industry projects	1	1	0	
	MOU	3	1	4	
	Expert session/seminars	6	3	7	
	Short term courses	5	6	12	Workshops conducted by IIT bombay remote center for faculty members and by professiobal body CSI for students.
	Value-added courses	0	0	0	
	Training program for faculty	2 (1 STTP, 1 FDP)	2 (1 STTP, 1 FDP)	3(1 STTP, 2 FDP)	Every year one AICTE - ISTE approved STTP is organized on the topics related recent trends in the IT industry.
	Training by faculty	1	4		By being Resource for workshops and FDPs

	Industry labs	NIL	NIL	NIL	

Goal 4	To strengthen alumni engagement and enhance the student experience

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
4.1	No. of students enroll for Certification/Diploma courses	205	601	48	SDP/Coursera /NPTEL/Udemy
4.2	Facilities for recreation, and sports on campus	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)	Dance youth festival, OM youth festival, Deep blue,SIH,KJSE Hackathon,
	No of program organized by the institute	4	2	12	Activities under CSI like+sdps+workshop
	No of award/ medals won by students	12	5	30	6-students SIH 2020-Participated 8 students won in TCS Codevita. 4 students won GovTechThon conducted by IEEE 8 students are selected for semifinals 4 students participated in 24 hours codathon-TCS Mindsweep.
4.4	No of activities undertaken	4	2	12	(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	Mention some notable achievements Values same as that 4.3 awards
4.5	Percentage of student	81%	85%		TCS Digital,Xoriant, Continuum, GEP,Reliance jio,

	placed				Ingram, Capgemeini, LTI,TCS Ninja
	Maximum salary	Rs.7 LPA	Rs. 7LPA		TCS Digital
	Median Salary	Rs. 3.5 LPA	Rs. 3.5 LPA		Reliance jio,LTI
	No of skill development schemes to improve placement	10	7		Campus Recruitment Training by Campus Credential, Indusry Expectations From Engineering Graduates,FNAT - Mock Online Aptitude & Coding Test(4-3-2020) by First Naukri.com
4.6	No of students pursuing higher studies	11	21		Stevens Institute of Technology, Rochester Institute of Technology, Binghamton University University of Massachusetts, Michigan Technological University
	Initiatives taken to assist students for higher studies	4	9		Higher Education counselling by TC Global, Higher Education in Germany,Overseas Education, different courses available, resume and profile building
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	Portal Companion	Portal Companion		
4.9	Professional Counseling and emergency	Provided	Provided	Provided	Mentor and class incharges identified students for counselling and provided professional

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

Goal 5	To enhance contribution towards society and the environment				
Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	NA	23	08	Sem VIII elective EVM (R-2016) Sem VIII ILO –EVM-FH2021
5.2	Number of projects relevant to society to provide solutions	19	19	23	Sem VI and final year Major project had objective towards providing solution to the societal problems
5.3	Number of green campus initiatives & waste management.	2	2		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		-----------	-------------------	

Goal 6	To initiate new courses at UG and PG level

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
6.1	Complete accreditation process	NAAC Accreditation Process completed with B++	NBA Accreditation to be completed	NBA Accreditation received for AY 2021-24	

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

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD	Participated in NIRF and MHRD	
7.2	**IQAC Meetings**	2	4	2	
7.3	Add / Update the organizational standard operating processes	NA	NA	NA	Co Mappings for assignment, CO mapping for QP of IA, Rubrics for mini project/Lab/Major project
7.4	Internal and External audits	2(Internal)+ 1 (External)	1(Academic Internal)+1 (NBA internal)+1(External Academic)	1(External Audit)	NBA audit and Academic audit
7.5	Participation of staff in training programs	55	158	65	Seminars/Workshops /STTP and FDP and NPTEL courses
7.6	Organization of STTPs/ FDPs/ training	6	5	3	AICTE -ISTE approved STTP , geo informatics, AICTE -ISTE approved STTP on Blockchain Technology, FDP on Agile methodology and Next Gen Technologies
7.7	Strengthening library & 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	
7.8	Maintenance of Infrastructure	Yes	Yes	NO	Few parts of computers were replaced as per requirements on call basis
7.9	Regular updation of new lab equipment	Yes	Yes	Yes	24 new systems of i7 configuration were installed in CE Lab 07 in AY 2018-19
7.10	Development of new	Yes	Yes	Yes	1 GPU Laptop was purchased for R and D

	infrastructure				activities in AY 2018-19 1 layer switch was installed in AY 2019-20 Sophos XG firewall purchased in AY 2019-20 20-21: 22 I7 desktop purchased
7.11	No of faculty acquiring PhD	1	3	NA	
7.12	Awards and Recognitions to Institute	1	NA	02	Mention some notable achievements
7.13	Awards and Recognition to faculty	NA	01	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	Journal submission online Car pooling	Journal submission online Car pooling	Journal submission online Car pooling	2018-19 : e-journal submission, car pooling 2019-20 : reduction in use of plastic water bottles and tiffins ,E-documentation
	Institute Level Objectives	1. To provide value-based education using at least one innovative teaching metho	1. To qualify for platinum category grade in AICTE-CII survey 2. To	1. To increase the number of Industry MoUs / linkages and conduct at least one	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

		ds and one ICT tool per course. 2. To strengthen the Industry Institute Interaction to qualify for the third round of AICTE-CII Survey. 3. To promote self learning amongst students, at least 25% from each class.	conduct at least two approved technical audit courses by each department and two non-technical audit courses by the Institute 3. To carry out at least one consultancy project with Industry and/or one in-house development of modules as a solution to Institute require	activity per year under this linkage. 2. To implement lT enabled management for all activities of the Institute. 3. To improve participation of alumni in resource generation and planning & development. 4. To formulate and implement start-up policy.	

		ments 4. To conduct at least one Training session for Industry by the faculty members of each department		
	Objectives at department Level to achieve strategic goals	1. Enhance collaboration with industries and organizations for projects. 2. To encourage more number of students for internship programs. 3. To	1. To improve student's participation into technical competition 2. To increase faculty and student research publications by 25%	1. To improve the quality of research publications by students and faculty 2. To improve industry related consultancy projects 3. To improve	For achieving the goals objectives are planned at the beginning of the academic year and various activities are conducted for achieving the objectives.

			3. To get accreditation from national board for the computer engineering program	problem solving, programming and soft skills of students.	
		improve students publications (for quality Projects) in lined with institute to enhance Research & Development activities amongst students and faculty members. 4. To conduct session for students soft skill development. 5. To promote entrepreneurship by			

		encouraging students to take up innovative projects.			

IT - Deployment data for AY 2018-19, 2019-20 and 2020-21 of IT department Compliance report for the academic year 2018-19, 2019-20 and 2020-21 with respect to Strategic Plan 2018- 2025

Strategic Deployment Document for AY 2018-19 , 2019-20 &2020-21

Goal 1	To enrich curriculum

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
1.1	Department Advisory board	Two meetings conducted	One meeting conducted	One meeting conducted	Conducted two meetings on 29/9/2018 and 12/4/2019 for the Academic year 2018-19. Conducted one meeting on 18/10/2019for the academic year 2019-20. Conducted meeting on 28/01/2021 for the academic year 2020-21.
1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	Done	Done	Done by the University for each subject during syllabus revision in R 2012, R 2016 and R 2019. However faculty has the flexibility to update the Course Outcomes.
1.3	Academic-Activity Calendar	Prepared	Prepared	Prepared	Prepared in the beginning of every semester.
1.4	**To enhance curriculum delivery beyond**	Conducted	Conducted	Conducted	Organized Industrial visits, guest Lectures,student seminars etc. to enhance curriculum delivery beyond syllabus activities.

	syllabus activities				
	Industrial Visits	3	1	-	Organised 4 Industrial visits in the industries like TCS,Anunta Tech, Reliance Jio etc.
	Guest lectures	18	11	11	Organised guest lectures to enrich the curriculum for the respective subjects.

	Internships	41	53	34	Completed industry internships by students and 34 students completed internal internship in 2020-21. Total 62- Including Internal Internships.
	Problem-Based Learning	Implemented	Implemented	Implemented	Students were encouraged to analyze real world problems and provide guidance to implement the projects. For example: IoT, InP, AADL mini projects.
	Certificate programs				
	Student Seminars	SE-75 TE-80	SE-69	BE-78 TE- 71	Every even semester, seminar is conducted for students to explore and gain more knowledge in curriculum(2018-19.2019-20). Case study presentations/ demonstrations conducted for students to explore and gain more knowledge in curriculum in IoE, WN and ERP subject. (2020- 21).
1.5	**To offer industry oriented certification courses/projects**	Offered	Offered	Offered	To make students industry ready 2 Programs were conducted in 2018-19 on Machine learning with R and Machine Learning with Python and 3 Programs were conducted in 2019-20 on CCNA, Skill development and Data mining and analytics. 1 Program conducted in Network security and Management in 2020-21(Industry

					experts from Lab systems, NOKIA have taken sessions.
	MOOCs	1	2	1	NPTEL, Coursera
	Value Added Courses	2	3	1	2 Programs were conducted in 2018-19 on Machine learning with R and Machine Learning with Python and 3 Programs were conducted in 2019-20 on CCNA, Skill development and Data mining and analytics, 1 Program conducted in Network security and Management in 2020-21.

	Industry Projects	5	1	2	2018-19: 1. Web Analytics in Lab Systems.Mr. Biren Arora- TE IT) 1. Image Analysis in Lab Systems.(Mr. Abhirup K- TE IT) 2. Ellipsis Health Companion, Ellipsis research and business solutions Pvt.Ltd.(Mr. Venkatesh- BE IT) 3. Blockchain and c ryptocurrency Analysis (Mr. Vinay Vishwanath, AVP, Lab Systems. 4. 3D modulation and simulation of nuclear reactor plant (Mr. Dinesh K. Maurya, Scientic Officer , BARC) 2019-20: Implemented the Landing Page Website project for the Lab systems(Adwait, Ritvij, Yash, Akshay-TE IT). 2020-21:Completed the consultancy project "Document Gathering App" for Ellipsis RBS, Mumbai and "Mobile App for Mutual funds" project for Ezytek Pvt. Ltd.
	Expert talks	18	11	11	Organised expert talks by the industry expert to enrich the curriculum.

1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Apart from the Traditional teaching, faculty used innovative methods in teaching like TPS, problem based learning etc.
1.7	Result Improveme nt	Compared to 2018-19: 17-18 18-19. +/- SE: 81.0882.66+1.58% TE: 98.6896.15-2.53% BE: 89.85100+10.15%	Compared to 19-20: 18-19 19-20+/- SE: 82.66 100 +17.34% TE: 96.15 100+3.85% BE: 100- - %	Compared to 2020-21: 19-20 20-21 SE: 100100 TE: 100100 BE: 100100	Results shown are having improvement.
	Remedial session	Conducted	Conducted	Conducted	Each faculty conducts the BMW for their subject, motivates and guides the students. Remedial lectures conducted for needy students.
	Extra classes for DSE	Conducted	Conducted	Conducted	Conducted extra lectures for all the Theory/ labs for DSE students.
	Preliminar y Exam	Not conducted	Not conducted	Not conducted	

	Additional practice assignment	Conducted	Conducted	Conducted	Assignments will be given for students and also extra lectures conducted for the students.
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	

1.8	Academic Audit	External Audit-1 Internal Audits-2	External Audit-1	External Audit-1	1. External Audit conducted by Dr. SachinBojewar, Professor, Department of Information Technology, Vidyalankar Institute of Technology, on 17/6/2019 for the Academic year 2018-19.https://drive.google.com/file/d/1n2UBVzj8f_OYG0je9LARSIl3drsHpN10E/view?usp=sharing

2. External Audit conducted by Dr. SachinBojewar, Professor, Department of Information Technology, Vidyalankar Institute of Technology, on 21/11/2019 for SH 2019. https://drive.google.com/file/d/1PCFQdZObAok_ipTT-236tyYIA_SFHTg_Q/view?usp=sharing
3. Internal Audit was conducted on 4/7/2019 and 1/12/2018 for the Academic year 2018-19.
4. External Audit for FH2020 and SH 2020 was conducted byDr. M. M Chandane(HOD CE & IT) VJTI, Mumbai on 21-01-2021.Audit report SH 2020.pdf

Audit report FH 2020.pdf
5. Internal Audit Conducted on 7/10/21 for SH 2020 & FH21.

https://drive.google.com/file/d/1_QyWRmob5Jqz ZPyQV6mbAPo_kRwCe37i/view |

					?usp=sharing . External Audit was conducted on by Dr. M. M Chandane(HOD CE & IT) VJTI, Mumbai on 15- 01-2022. https://drive.google.com/file/d/1aX0OXlaLsoaeot7imI8mlytVxRCSgoAP/view?usp=sharing
	Course file	Yes	Yes	Yes	Each faculty maintains the course file for each subject which includes Session plan, attainment, Question paper, Lecture notes etc.This will be audited in each semester.
	Faculty file	Yes	Yes	Yes	Maintained by each faculty.

	Feedback	Yes	Yes	Yes	Conducted at least twice a year. Also suggestions given to the faculty for improvement..

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

S.No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	Developed	Conducted based on the course / batch requirements and maintained in the course file.
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	
	Development of e-content	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	Yes	
2.2	Transparency in continuous evaluation	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	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:	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**	**Remarks**
3.1	**To strengthen research activities in the institute**	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Activities have been conducted to strengthen research activities.	Conducted(college level) various seminars on research/ patent writing to encourage faculty/ students.
	Research conference and research symposium /STTP	conferences-1 STTP-12	Conferences-14 STTP-13	Conferences-13 STTP-11	2018-19:1paper published in conference. 12 faculty members attended STTP. 2019-20: 14 Papers are published in conferences. 13 Faculty members attended STTP. 2019-20: 22 Papers are published in conferences. 11 Faculty members attended STTP.
	Sponsorship to faculty to encourage participation in research	Nil	Nil	Nil	
	activities on and off-campus				
	Sponsored research through research proposals	3	2	-	2019-20: Ms. Savita Lohiya, Ms. Seema Redekar received Rs 30,000/- and Rs 25,,000/- from University of Mumbai. And continued in 2020-21 due to pandemic. 2018-19: Ms. Lakshmisudha, Ms. Bushra, Ms. Stuti received 15,000/ , 30,000/-, 25,000/- respectively from

					University of Mumbai.
	Number of research papers in conferences	1	14	13	2018-19:1paper published in conference. 2019-20: 14 Papers published in conferences. 2020-21- 13 Papers published in conferences.
	Number of research papers in journal	13	4	9	2018-19:13paper published in UGC Journals 2019-20: 4 Papers published in UGC Journals 2020-21: 9 Papers published in UGC Journals
	Books written	Nil	Nil	3 (Book - 1, Book Chapters- 2)	2020-21 : 1. Dr. K. Lakshmisudha: published chapter in Book titled " Advances in Data Science and Information Engineering" 1. Ms. Leena Ladge published chapter in Book titled "Innovations in Computer Science and Engineering 2. Ms. Stuti Ahuja published book titled "Change Detection in Satellite Images" in Lambert Publiocation

3.2	**To establish an innovation ecosystem for the encourageme nt of the entrepreneuri al skills - E Cell /IPR/Pre incu bation/startu p Activities**	E – Cell is functional	MHRD – Institute Innovation Cell initiated.	MHRD – Institute Innovation Cell initiated.	Implemented at college level.
3.3	**Partner ship between industry/ reputed organiza tions/**	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/ University.
	Internshi ps	41	53	34	Completed industry internships by students and 34 students completed internal internship in 2020-21
	Consulta ncy work	Rs.40.000/-(2 projects)	7,500/-	37,500/-	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
		E – Cell is functional			1. Completed Document gathering app from Ellipsis. 2. Completed " Mobile App

					Development" from Ezytek (Rs. 30,000/-)
	Industry projects	5	1	2	2018-19: 1. Web Analytics in Lab Systems.Mr. Biren Arora- TE IT) 1. Image Analysis in Lab Systems.(Mr. Abhirup K- TE IT) 2. Ellipsis Health Companion, Ellipsis research and business solutions Pvt.Ltd.(Mr. Venkatesh- BE IT) 3. Blockchain and Cryptocurrency Analysis (Mr. Vinay Vishwanath, AVP, Lab Systems. 4. 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 for Ezytek Pvt. Ltd.
	MOU	5	5	5	1. Information Technology Department has signed MoU with Emtron Technologies Pvt. Ltd on 17/2/2018.

				1. Information Technology Department has signed MoU with Lab System (I)Pvt. Ltd- Pioneer in Digital Forensics in India, Mumbai on Apr 20, 2018. 2. Information Technology Department has signed MoU with IoT Pro in 2017 - Information Technology Department has signed MoU with RidenetTechnolgy (I)Pvt. Ltd- 2021. -Regional Telecom Training Centre, BSNL, Chinchwad , Pune in 2020
Expert session/s emina rs	18	11	11	Organised expert sessions to enrich the curriculum for the respective subjects.
Short term courses	2	3	Nil	Student development Programs conducted on various advance technologies such as Machine learning in R and Python, CCNA certification.
Value- added courses	2	3	1	2 Programs were conducted in 2018-19 on Machine learning with R and Machine Learning with Python and 3 Programs were conducted in 2019-20 on CCNA, Skill development and Data mining and analytics, 1 Program conducted in Network security and Management in 2020-21.
Training program for	4	2	4	2020-21: Organized ISTE Approved ONE WEEK STTP On

	faculty					"Recent Trends in Wireless Technologies" from 18/1/2021 to 23/1/2021..

"Recent Trends in Wireless Technologies" from 18/1/2021 to 23/1/2021..

1. Organized Orientation program on behalf of University of Mumbai for "Computer Organization& Architecture" and "Microprocessor Lab" of Semester IV on 10/2/2021

2. Organized seminar on "Data

Visualization using Tableau" by Ms. Varsha Mali, Data Scientist, Great Learning on 24/10/2020.

3. Organized seminar on "Evolution of Software

development processes" by Mr. Naresh Pradhan, Tata Consultancy Services on 12/12/2020.
2019-20: One-week STTP organized by the department on "DevOps and R Programming" , organized an Orientation Program on "DevOps Lab" on 4th Jan 2020 at SIES GST,
2018-19:

1. Faculty Development Program was conducted on "Virtualization Overview- VmwareVsphere 6.x" on August 14, 2018 by Mr. Imran Motani from Anunta Technology

					Management Services Ltd, Mumbai.
					2. Organized one week AICTE-ISTE approved Self-Financed Short term training program on "Computer Networks and Security" from
					15/11/2018 to 22/11/2018. 3.A Seminar on "Healthy Minds" was organized on 18 February 2019. Mr. Shriram Atri. 4. Faculty Development Program on "GEOInformatics and Related Open Source" was conducted on Jan10-Jan 12,2019.

Training by faculty	5	2	5	2020-21:Dr. K.Lakshmisudha, Ms. Mrinal conducted Faculty orientation in July2020 and Ms. Leena Ladge, Ms. Bushra S conducted faculty orientation in February 2021 on behalf of University of Mumbai. Ms. Mrinal Khadse has conducted session in ISTE approved STTP on "Recent Trends in Wireless Technologies" from 18th Jan 2021 to 23rdJan 2021. 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 principals of SIES Nerul and Sion college.
				2018-19: 1.Dr. Vijay Katkar and Prof. Varsha Mali conducted session as a subject

					Expert Speaker for FDP on "Deep Learning using Python" from 19/12/2018 to 21/12/2018 at S. N. Patel Institute of Technology, UmrakhBardoli, and Gujarat(19th -21st Dec.2018) 1. Prof. Leena Ladge has conducted orientation for IT faculty for the MEP & IOT mini project Lab at VIT, Mumbai on July 05, 2018. 2. . Prof. Lakshmisudha was also Resource person for one day on November 15 for AICTE-ISTE approved 6 days workshops on „Computer Network and Security" organized by Department of IT from November 15-22, 2018 at SIESGST, Nerul. 3. Prof. Lakshmisudha was Guest speaker for faculty orientation program for the revised syllabus 2016 SE IT CBCGS organized By Terna Engineering College.
	Industry labs	Nil	Nil		Industry lab is not available in the academic year 2018-19 , 2019-20 and 2020-21.

Goal 4	To strengthen alumni engagement and enhance the student experience

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
4.1	No. of students enroll for Certification/ Diplo ma courses	41	62	1	2018-19: 13 students enrolled for Machine learning with R and 28 for Machine learning with Python. 2019-20: 20 students enrolled for Skill development, 31 enrolled for Data mining and analytics and 11 for CCNA 2020-21: 27 Students enrolled for Network Management and security Course.
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	Provided at college level.
4.3	No. of student participation in extracurricul ar activities	15	10	18	Students participated in National Level project competition,SIH, SPIT Hackathon, Avishkar Convention etc.
	No of program organized by the institute	Inter department events- 4	Inter department events-4	Inter department events-5 Intra department events-1	2020-21:IETE Students" Forum of SIES Graduate School of Technology has organized TECHXTER 10.0, Poster Competition Projexions 3.0, Workshop on "GitHub", React JS Workshop, Boot Camp on Data Fueling the Future of Mankind., Ideation "20. 2019-20:IETE Students" Forum of SIES Graduate School of Technology has organized "TECHXTER 9.0",

					"Tech Entrepreneurship Talk", Boot Camp on Design Thinking and Data Science, "Ideation 19- Dream for a cause" 2018-19::IETE Students" Forum of SIES Graduate School of Technology has organized Mind spark, PROJEXIONS',Techx ter 8.0, a National Level Technical Paper Presentation, Ideation, BOOT CAMP.
	No of award/ medals won by students	1	2	1	Nithya Kannan Rahul Ganesh and Avantika Pawar students of BEIT won Best paper award on "Generation of New Apparel Designs Using StyleGAN2 ADA"at International E-Conference on "Advances in Information Technology and Research" ICAITR-2021 organised by Vidyalankar Institute of Technology, Wadala, Mumbai, on May 31- June 1, 2021 .
4.4	No of activities undertaken	10	6	10	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	Nithya Kannan Rahul Ganesh and Avantika Pawar students of BEIT won Best paper award on

					"Generation of New Apparel Designs Using StyleGAN2 ADA"at International E- Conference on "Advances in Information Technology and Research" ICAITR-2021 organised by Vidyalankar Institute of Technology, Wadala, Mumbai, on May 31- June 1, 2021
4.5	Percentage of student placed	57%	55%	65%	43 students placed out of 76 through campus in 2018-19, 42 placed out of 76 in 2019-20 and 51 placed out of 78 in 2020-21
	Maximum salary	Rs. 5.5 LPA	Rs. 7 LPA	Rs. 27 LPA	Continuum offered 5.5 LPA in 2018-19 , Paysense offered 7 LPA in 2019-20 and JTP offered 27 LPA in 2020-21
	Median Salary	Rs. 3.5 LPA	Rs. 3.5 LPA	Rs. 3.6 LPA	
	No of skill development schemes to improve placement	2	3	1	To make students Industry ready, Student development Programs conducted on various advance technologies such as Machine learning in R and Python, CCNA certification, Skill development and Data mining and analytics
4.6	No of students pursuing higher studies	10	9	1	10 students got admission for higher studies in 2018-19, 9 in 2019-20 and 1 in 2020-21 (5 more in Progress)

	Initiatives taken to assist students for higher studies	Conducted higher studies awareness seminar for final year students and conducted GATE coaching classes	--	Conducted higher studies awareness seminar for third year students at Institute level	Department faculty members Conducted higher studies awareness seminar for final year students and conducted GATE coaching classes for GATE appearing students in 2018-19 and Institute level seminar is conducted in 2020-21

4.7	Mentor Mentee interactions	Conducted Regularly	Conducted Regularly	Conducted Regularly	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	Implemented at college level
4.9	Professional Counseling and emergency medical service to the students on campus	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	Due to pandemic Alumni interaction could not be conducted at college level. However department have a practice to arrange expert talks from alumni working in industry Alumni interaction was conducted for students on 4th January 2019. Alumni interaction was

					conducted for students on 6th January 2020.
	Alumni 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:	Following Alumni are involved in the Department Advisory Board for Academic year 2018- 19 and 2019-20 and 2020-21. Mr. Vinay Vishwanath (VP, Lab Systems, Mumbai, 2011 batch) Mr. Karan Kapoor, (Business Development Associate, Autonxt Automation 2015 Batch)

	Alumni contribution	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni contribution as training, interaction, judging, monetary, etc.	Alumni contribution as training, interaction, judging, monetary, etc.	Ms. Sonia Koneti, Business Analyst, Suryoday - The Small Finance Bank, Ms. Prajakta Harihar Zaavde, LTI - Associate Software Engineer were judges for event Ideation in December 2020. Alumni Ritu Desai and Subramni were judges for event Ideation in March 2019. Expert talk is conducted by many alumni for academic Year 2018-19, 2019-20 and 2020-21.

Goal 5	To enhance contribution towards society and the environment

S.No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	NIL	03	NIL	In 2018-19: no subject courses that address gender bias, environment and sustainability issues have been selected In 2019-20:,BE students have selected environment management as elective subject that address environment and sustainability issues. In 2020--21:,BE students have selected environment management as elective subject that address environment and sustainability issues.
5.2	Number of projects relevant to society to provide solutions	3	2	5	In 2020-2021 five projects were developed to provide solutions to society. In 2020-2021 five projects were developed to provide solutions to society.
5.3	Number of green campus initiatives &waste management.	Enter Number	Enter Number	Enter Number	Implemented at college level.
5.4	Number social initiatives	Enter Number	Enter Number	Enter Number	Implemented at college level.
	contributing 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:	Implemented at college level.

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. N o	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
6.1	Complete accreditation process	NAAC Accreditation Process completed with B++	NBA Accreditation to be completed	NBA Accreditation completed and got accredited for three years. NAAC Accreditation to be completed	Two PG Courses and Three UG courses were added from year 2021-22.

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

Sr. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	At college level
7.2	**IQAC 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		At college level
7.4	Internal and External audits	External Audit-1 Internal Audits-2	External Audit-1	External Audit-1	Academic audit conducted for FH2020 and SH 2020 byDr. M.M. Chandane on 12/01/21.
7.5	Participation of staff in training programmes	19	57	119	Department is maintaining an annual report containing detailed information.
7.6	Organization of STTPs/ FDPs/ training within Institute	4	2	STTP -1 FDP-3	In 2020-21 following training progrmasorganised FDP on "Data Visualization using Tableau"on 24/10/2020 Faculty Development Program on "Software 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
7.7	Strengthening library & Increasing learning resources	List the measures taken	List the measures taken	List the measures taken	At college level
7.8	Maintenance of Infrastructure	Yes	Yes	Yes	Yes
7.9	Regular updation of new lab equipment	Yes	Yes	Yes	Yes
7.10	Development of new infrastructure	No	No	No	No
7.11	No of faculty acquiring PhD	1	1	1	1
7.12	Awards and Recognitions to Institute	Nil	Nil	Nil	Nil
7.13	Awards and Recognition to faculty		1	2	1.Dr.Lakshmisudha has been selected as Moderation committee member for CE/IT Result of University of Mumbai.(SH2020 and FH 2020) 2. Ms. Leena Ladge is an executive member of IETE Navi Mumbai centre.
7.14	Stakeholder feedback mechanism	Yes	Yes	Yes	At college level

7.15	Green Initiatives taken & Policies for same	Yes	Yes	Yes	At college level

Goal No	Description	Remarks
1	To enrich Curriculum	We are organizing Student development programs at department level and also conducted value added courses. We need to focus on Certification programs. Proposed to set the Instititute level objective.
2	To incorporate a digital platform to improve the teaching-learning process	We are using Juno ERP for academic related activities.
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 2021-22 at department level.

		Objective 1: All the faculties in the department should submit at least one research proposal for DST/ Minor/Major research grant. **Objective 2: Department should complete at least one Live/Consultancy project.**
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. **Objective 3: To strengthen Industry association, all**

		faculties should arrange expert talk/ seminar/ workshop from the Industry expert.
5	To enhance contribution towards society and the environment	Activities were conducted at college level.
6	To initiate new courses at UG and PG level	One PG course "ME (Information Technology in Information Security)"is introduced in 2021-22 academic year.
7	To formulate development plans to improve the overall quality of the Institute	We need to focus on faculty awards and informed the faculty to focus on the same.

 The Objectives of the department are achieved for the Academic year 2020-21 as shown above. To improve Research and Development activities in the department the following Objectives set for the Academic year 2021-22:

1. All the faculties in the department should submit at least one research proposal for DST/ Minor/Major research grant.
2. Department should complete at least one Live/Consultancy project.
3. To strengthen Industry association, all the faculty should arrange expert talk/ seminar/ workshop from the Industry expert.

Mech - Deployment for AY 2018-19, 2019-20 & 2020-21
Compliance report for the academic year 2018-19 with respect to Strategic Plan 2018-2025

Strategic Deployment Document for AY 2018-19 , 2019-20 &2020-21

Goal 1	To enrich curriculum

S.No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
1.1	**Department Advisory board**	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	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 beyond syllabus activities**	Conducted	Conducted	Conducted	
	Industrial Visits	10	5	Nil	
	Guest lectures	00	00	08	
	Internships	55	34	77	
	Problem-Based Learning	Implemented / Not implemented	Implemented / Not implemented	Implemented	
	Certificate programs	01	03	04	
	Student Seminars	12	8	10	

1.5	**To offer industry-oriented certification courses/projects**	Offered	Offered	Offered	
	MOOCs	123	66	30	
	Value Added Courses	02	03	02	
	Industry Projects	11 \Groups, 44 Students	3 \Groups, 12 Students	04\Groups, 16 Students	
	Expert talks	12	8	10	
1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Shall be implemented every academic years based on the course / batch requirements.
1.7	Result Improvement	Compared to 2017-18: 17-18 18-19. +/- SE: 65.3 65.39 +0% TE: 94.80 82.89 -11.9% BE: 91.54 93.82 +2.28%	Compared to 2018-19: 18-19 19-20 +/- SE: 65.39 100 +5% TE: 82.89 100 -2% BE: 93.82 - +10%	Compared to 2017-18: 18-19 19-20. +/- SE: 65.39 100 +34.61% TE: 82.89 100 +17.11% BE: 93.82 100 +6.18%	Because of Covid Pandemic situation results of BE yet to be declared and SE and TE results were conducted by university through Online examination.
	Remedial session	Conducted	Conducted	Conducted	
	Extra classes for DSE	Conducted	Conducted	Conducted	
	Preliminary Exam	Not conducted	Not conducted	Not conducted	Shall be conducted based on the course / batch requirements
	Additional practice assignment	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	
1.8	Academic Audit	Conducted.	Conducted	Conducted.	To be conducted at least once a year
	Course file	Yes	Yes	Yes	
	Faculty file	Yes	Yes	Yes	
	Feedback	Yes	Yes	Yes	Conducted at least twice a year.

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

S. N o	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
2. 1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	Developed	conducted based on the course / batch requirements
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	
	Development of e-content	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	No	
2. 2	Transparency in continuous evaluation	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	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:	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	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.	Also mention any additional activities conducted to strengthen research activities
	Research conference and research symposium /STTP	8	6	12	
	Sponsorship to faculty to encourage participation in research activities on and off-campus	01 faculty Rs. 4500/-	nil	nil	
	Sponsored research through research proposals	02	02	nil	
	Number of research papers in conferences	05	04	09	
	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	
	Books written	02	01	02	

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	
3.3	Partnership between industry/ reputed organizations/	Good partnerships established	Excellent Partnerships established		
	Internships	30	54	77	
	Consultancy work	---	01	---	
	Industry projects	11 students industry sponsored projects	05 students industry sponsored projects	08 students industry sponsored projects	
	MOU	05	05	00	
	Expert session/seminars	09	06	07	
	Short term courses	02	03	01	
	Value-added courses	00	00	04	
	Training program for faculty	01	01	01	
	Training by faculty	01	01	00	
	Industry labs	00	00	00	

Goal 4	To strengthen alumni engagement and enhance the student experience

S.No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
4.1	No. of students enroll for Certification/ Diploma courses	15	107	71	
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	67	79	21	
	No of program organized by the institute	01	01	02	
	No of award/ medals won by students	03	02	01	
4.4	No of activities undertaken	03	04	05	
	Awards and Recognition to students	1 -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 maneuver, AIR 6th in endurance**	01	Mention some notable achievements

		and overall AIR 11th rank at national level. -Participated in National level event all-terrain vehicle competition ATVC 2020 at Vadodara, Gujarat during 15-19 February 2020 and secured **AIR 1 in Suspension & Traction, AIR 1 in Cost, AIR 1 in Mega Marketing Round, AIR 4 in Maneuverability, AIR 3 in Endurance and overall AIR 3rd rank at national level. Bagged Prize total Rs. 1.29 Lakhs**		
4.5	Percentage of student placed	30.6 %	11 %	22%	
	Maximum salary	Rs. 6.2 Lac	Rs. 4.0 Lac	Rs. 6.6 Lac	
	Median Salary	Rs. 2.4 Lac	Rs. 3.0 Lac	Rs. 3 Lac	
	No of skill development schemes to improve placement	1	2	4	
4.6	No of students pursuing higher	6	1	7	

	studies				
	Initiatives taken to assist students for higher studies	Given guidance for GATE preparation Invited experts to guide them for higher studies Mentors have done counselling and given LOR to many students	Given guidance for GATE preparation Invited experts to guide them for higher studies Mentors have done counselling and given LOR to many students	Given guidance for GATE preparation Invited experts to guide them for higher studies Mentors have done counselling and given LOR to many students	
4.7	Mentor Mentee interactions	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	
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	
4.10	Promote alumni networking with students	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 contribution	Alumnis are regularly interacting with students and giving seminars on placement, current industrial	Alumnis are regularly interacting with students and giving seminars on placement, current industrial	Alumnis are regularly interacting with students and giving seminars on placement, current industrial scenario and technical	

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

Goal 5	To enhance contribution towards society and the environment				

S. N o	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	73	146	76	
5.2	Number of projects relevant to society to provide solutions	5	3	6	
5.3	Number of green campus initiatives & waste management.	3	5	3	
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	

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

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

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

S.No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
6.1	Complete accreditation process	NAAC Accreditation Process completed with B++	NBA Accreditation to be completed	Got NBA Accreditation 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	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	
7.2	**IQAC Meetings**	02	02	02	
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	
7.4	Internal and External audits	02 internal & 01 external	02 internal & 01 external	02 internal & 01 external	
7.5	Participation of staff in training programmes	112	12	12	
7.6	Organization of STTPs/ FDPs/ training within Institute	03	04	02	
7.7	Strengthening library & Increasing learning resources	List the measures taken	List the measures taken	List the measures taken	
7.8	Maintenance of Infrastructure	Yes	Yes	Yes	

7.9	Regular updation of new lab equipment	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	Mention the new infrastructure in brief
7.11	No of faculty acquiring PhD	02	03	04	
7.12	Awards and Recognitions to Institute	NAAC accreditation	NAAC accreditation	NAAC & NBA accreditation	Mention some notable achievements
7.13	Awards and Recognition to faculty	01	Nil	01	Mention some notable achievements
7.14	Stakeholder feedback mechanism	Yes	Yes	Yes	
7.15	Green Initiatives taken & Policies for same	Yes	Yes	Yes	

PPT - Deployment for AY 2018-19 & 2019-20
Compliance report for the academic year 2018-19 with respect to Strategic Plan 2018-2025

Strategic Deployment Document for AY 2018-19 , 2019-20 &2020-21

Goal 1	To enrich curriculum

S. N o	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
1.1	**Department Advisory board**	One meeting conducted	One meeting conducted	One meeting conducted	
1.2	Development of Course Objectives and Course outcomes to foster Outcome Based Learning	Done	Done	Done	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 beyond syllabus activities**	Conducted	Conducted	Conducted	
	Industrial Visits	8	9		
	Guest lectures	5	2	2	
	Internships	70	54	74	Including internal internships in 2019-20
	Problem-Based Learning	Implemented	Implemented	Implemented	
	Certificate programs	Enter number	Enter number		
	Student	--	12	20	as part of mini-projects

	Seminars				
1.5	**To offer industry-oriented certification courses/projects**	Offered	Offered	Offered	
	MOOCs				To be collected centrally
	Value Added Courses	Enter number	1	1	
	Industry Projects	25	27	30	
	Expert talks	5	2	1	
1.6	Innovative teaching methods	Implemented	Implemented	Implemented	Shall be implemented every academic years based on the course / batch requirements. Active Learning Strategies & Problem based learning
1.7	Result Improvement	Compared to 2017-18: 17-18 18-19. +/- SE: 90 95 +5% TE: 95 93 -2% BE: 80 90 +10%	Compared to 2018-19: 18-19 19-20 +/- SE: 90 95 +5% TE: 95 93 -2% BE: 80 90 +10%	100 % result	
	Remedial session	Conducted	Conducted	Conducted	Wherever required.
	Extra classes for DSE	Conducted	Conducted	Conducted	
	Preliminary Exam	Not conducted	Not conducted	Not conducted	Conducted based on the course / batch requirements
	Additional practice assignment	Conducted	Conducted	Conducted	
	Extra lectures for difficult subjects	Conducted	Conducted	Conducted	
1.8	Academic Audit	Conducted.	Conducted	Conducted	To be conducted at least once a year
	Course file	Yes	Yes	Yes	
	Faculty file	Yes	Yes	Yes	
	Feedback	Yes	Yes	Yes	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	Remarks
2.1	To develop innovative teaching, learning, and assessment methods	Developed	Developed	Developed	conducted based on the course / batch requirements
	Use ICT for effective teaching with E-Learning resources	Done	Done	Done	
	Development of e-content	Yes	Yes	Yes	
	Recording of lectures and making it available digitally	No	Yes	Yes	
2.2	Transparency in continuous evaluation	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	Defaulters' list taken at regular intervals. Typically thrice in a semester.
2.4	Automated library	Library automation consists of:	Library automation consists of:		Centrally made available

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

S. No	Strategic Objectives	2018-19	2019-20	2020-21	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.	Also mention any additional activities conducted to strengthen research activities
	Research conference and research symposium /STTP	2	8	1	
	Sponsorship to faculty to encourage participation in research activities on and off-campus	Nil	1 faculty provided registration fees for 1 week STTP on 3D Printing		
	Sponsored research through research proposals	Nil	Nil	Nil	
	Number of research papers in conferences	Nil	Nil	Nil	
	Number of research papers in journal	Nil	Nil	Nil	
	Books written	Nil	Nil	Nil	
3.2	**To establish an innovation ecosystem**	E – Cell is functional	MHRD – Institute Innovation Cell initiated.	MHRD – Institute Innovation Cell initiated.	

	for the encouragement of the entrepreneurial skills - E Cell /IPR/Preincubation/startup Activities				
3.3	**Partnership between industry/ reputed organizations/**	Excellent Partnerships established	Excellent Partnerships established	Excellent Partnerships established	
	Internships	71	51	74	
	Consultancy work	Enter Number: 1 Projects worth: Rs. 30,000/-	Enter Number: 2 Projects worth: Rs. 85,000/-		
	Industry projects	42	25	45	Student industry projects with faculty guidance
	MOU	5	6		
	Expert session/seminars	7	7		
	Short term courses	Nil	Nil	Nil	
	Value-added courses	1	1		
	Training program for faculty	6	5		
	Training by faculty	3	2		
	Industry labs	Nil	Nil		

Goal 4	To strengthen alumni engagement and enhance the student experience

S. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
4.1	No. of students enroll for Certification/ Diploma courses	18	Over 100 students enrolled for online certificate courses through coursera, lnkedin, alison, etc.during pandemic	Over 100 students enrolled for online certificate courses through coursera, lnkedin, alison, etc.during pandemic	
4.2	Facilities for recreation, and sports on campus	Provided	Provided	Provided	
4.3	No. of student participation in extracurricular activities	55	30	25	
	No of program organized by the institute	8	8	5	
	No of award/ medals won by students	0	1 Sriganesh Sankar & Abdul Basit from BE-PPT won the first prize (Rs.25,000/-) in P-Pack 2019 National Level Technical Quiz		
4.4	No of activities undertaken	12	8		
	Awards and	5	8		Meritorious students

		Recognition to students	Mr. Sanjeev Srinivasan, student from 2018 PPT batch won the coveted student of the year award 2018, on November 29, 2018 conducted by Printweek India Magazine at St. Regis Hotel, Mumbai. Shraddha Sanjay Kadam and Nikhitha Narendra Murdeshwar from BEPPT were adjudged winners of PaperMade 2019 contest conducted by Parksons Packaging for designing & prototyping Multi Flavour Ice Cream Dispenser package" in June 2019. Vinay Thakur (TE-PPT) Participated in National-level GoKart Design challenge and won "Best design Aesthetics" and runner-up for "Best Innovation Award" held at Saraswati College of Engineering. Rafia Taskeen (SE-PPT) won "Best Manager" award at ACEOF Mumbai organised by Pillai College of Engineering.	TEPPT and BEPPT students participated in the intercollegiate competition PRINTERA 2020 held at PVG College of Engineering, Pune on Jan 4 & 5, 2020 and won following prizes: 1.Yashodhan Parab : 1st in photography 2. Ashwin Deokar :2nd in print quiz 3. Sachin Dhavale :1st in prepress creativity Ms. Shruti Belose and Ms. Arti Desai, second year PPT students under the guidance of Prof. Katyayini Shirur have bagged the Dr. A.P.J Abdul Kalam Young Research Fellowship organised by TERRE Policy Centre in June 2020 for the project "Bio-leather: A Flexible Packaging Material as an alternative for Plastics". ● Vinay Thakur from B.E PPT won third prize in Clay Modelling at Youth Festival, organized by University of Mumbai on 14 th August, 2019. ● Vinay Thakur from BEPPT		awards by BMPA for both years. Mr. Sanjeev Srinivasan, student from 2018 PPT batch won the coveted student of the year award 2018, on November 29, 2018 conducted by Printweek India Magazine at St. Regis Hotel, Mumbai.

			secured First prize in Story Writing (District Level) at the 52nd Youth Festival.		
4.5	Percentage of student placed	Enter Percentage	26%	50 %	2019-20 placement in progress
	Maximum salary	Rs. 5 lac	Rs. 3.5 lac	Rs 4.8 lac	
	Median Salary	Rs. 3.2	Rs. 3	Rs 3 lac	
	No of skill development schemes to improve placement	Nil	Nil		
4.6	No of students pursuing higher studies	9	8	1	2019-20 in progress
	Initiatives taken to assist students for higher studies	Mentoring & guiding interesting students by faculty members	Mentoring & guiding interesting students by faculty members	Mentoring & guiding interesting students by faculty members	
4.7	Mentor Mentee interactions	Conducted Regularly	Conducted Regularly	Conducted Regularly	
4.8	Online student portal for academic and non-academic activities				
4.9	Professional Counseling and emergency medical service to the students on campus	Provided	Provided	Provided	
4.10	Promote alumni networking with students	Conducted Regularly	Conducted Regularly	Conducted Regularly	
	Alumni association	Alumni engage with students every year	Alumni engage with students every year	Alumni engage with students every year	

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

Goal 5	To enhance contribution towards society and the environment				
S. No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
5.1	Number of students opting for the elective courses that address gender bias, environment and sustainability issues	0	0	0	All students undergo sensitization to these issues through core courses also.
5.2	Number of projects relevant to society to provide solutions	2	2	2	Part of final year projects
5.3	Number of green campus initiatives & waste management.	1	1		2018-19 : car pooling 2019-20 : E-documentation
5.4	Number social initiatives contributing towards local community	Enter Number	Enter Number		
5.5	Measures to improve waste disposal and e-waste collection	Enter the various measures taken:	Enter the various measures taken:		

Goal 6	To initiate new courses at UG and PG level

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

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

S.No	Strategic Objectives	2018-19	2019-20	2020-21	Remarks
7.1	Participate in NIRF, ARIIA, MHRD	Participated	Participated	Participated	
7.2	**IQAC Meetings**	Enter Number of meetings	Enter Number of meetings		
7.3	Add / Update the organizational standard operating processes	Enter if addition / updation of SOPs were made	Enter if addition / updation of SOPs were made		
7.4	Internal and External audits	1	1	1	
7.5	Participation of staff in training programmes	6	9		
7.6	Organization of STTPs/ FDPs/ training within Institute	0	1	1	
7.7	Strengthening library & Increasing learning resources	List the measures taken	List the measures taken		
7.8	Maintenance of Infrastructure	Yes	Yes	Yes	
7	Regular	Yes	No	Yes	

.9	updation of new lab equipment				
7.10	Development of new infrastructure	No	No	No	As per requirement
7.11	No of faculty acquiring PhD	Nil	Nil	Nil	
7.12	Awards and Recognitions to Institute	Nil	Nil	Nil	Mention some notable achievements
7.13	Awards and Recognition to faculty	Nil	Nil	Nil	Mention some notable achievements
7.14	Stake holder feedback mechanism	Yes / No	Yes / No		
7.15	Green Initiatives taken & Policies for same	Yes / No	Yes / No		