Annual Academic Audit Report

2020 - 21

Sinhgad Institutes

STES's Sinhgad College of Engineering

Vadgaon (Bk), Pune – 41

INDEX

Vision of the Institution:

उत्तमपुरुषान् उत्तमाभियंतृन् निर्मातुं कटिबद्धाः वयम् ।

We are committed to produce not only good engineers but good human beings, also.

1. Mission:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conductive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

2. Quality Policy:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty andhealthy atmosphere with decent discipline.

3. Goals:

• Long Term Goals

1. To establish Research Centre as Centre of Excellence in Engineering Research and Development
2. To seek Academic Autonomy leading to University status
3. To develop an Engineering Knowledge Centre of Society in general
4. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.

• Short Term Goals

1. To add new Post Graduate and Ph.D. programs
2. To motivate and deputefaculty for Doctoral Programs
3. To improve the interaction with institutes of national and international repute and industries from various fields of engineering

4. Students Intake:

UG Intake:

Sr. No	Program	No. of Seats
1.	Chemical Engineering	60
2.	Civil Engineering	120+60*
3.	Mechanical Engineering	240+60*

4.	Electronics & Telecommunication Engineering	180+60*
5.	Computer Engineering	120+60*
6.	Production Engineering	60
7.	Information Technology Engineering	120
8.	Biotechnology	60
	Total	**1200**

*Second shift

PG Intake:

Sr. No.	Program	No. of Seats
1.	ME Design Engineering	18
2.	ME Structure Engineering	18
3.	ME VLSI and Embedded System	18
4.	ME Mechatronics	18
5.	ME Hydraulics	18
6.	ME Environmental Engineering	18
7.	MBA	60
	Total	**168**

Ph.D. Intake:

Sr. No.	Department	No. of Students Registered for Ph.D.
1.	Mechanical Engineering	34
2.	Civil Engineering	19
3.	E&TC Engineering	58
4.	Chemical Engineering	01
	Total	**112**

5. Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface
- Teaching Plan - Self-Learning Sessions. - Attendance - Teacher Guardian Scheme - Mock Online exams - Value addition programmes - Student Training Programmes (STP) - Open Feedback - Unit Tests, Prelims - Well defined Internal Assessment Scheme - Engineers Day - BE Project Competition	- Employability Improvement - AMCAT - Technical Presentations - Soft Skills training - Invited talks by Industry Experts/ academicians - Technical quiz / Technical festivals - Industry Projects / Project exhibitions - Industry visits - Alumni Meet - Teachers' Day - BE Farewell function - Social / Cultural Programs/ Sports	- In-house Training (Personal Interactions, Meetings / quality improvement programmes) - Industry exposure - Participation in workshops conducted by Industries / other institutes of eminence - Motivation for higher Education - Campus Connect / extension programmes - Industrial visits - Training & Placement Activities - Seminars & Conferences - Train the Trainers Program - Vocational Training for students/Industrial visits

6. Faculty Position:

Sr. No.	Department	Professors	Associate Professor	Assistant Professor	Total
1.	Biotechnology	01	0	07	08
2.	Chemical Engineering		0	0	0
3.	Civil Engineering	5	2	31	38
4.	Computer Engineering	1	4	22	27
5.	E&TC Engineering	7	3	31	40
6.	Information Technology	1	6	13	20
7.	Mechanical Engineering	3	3	46	52
8.	Production Engineering	1	1	5	7
9.	MBA	1	3	1	5
10.	Applied Science	00	2	25	27
	Total	**19**	**24**	**181**	**224**

7. Faculty Qualification:

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc.	Total
1.	Biotechnology	02	0	02

2.	Chemical Engineering	05	04	09
3.	Civil Engineering	10	28	38
4.	Computer Engineering	02	25	27
5.	E&TC Engineering	16	24	40
6.	Information Technology	5	15	20
7.	Mechanical Engineering	4	48	52
8.	Production Engineering	3	4	7
9.	MBA	5	0	5
10.	Applied Science	0	0	0
	Total	**47**	**148**	**200**

8. Faculty Pursuing Ph.D.:

Sr. No.	Department	Pursuing Ph.D.
1.	Biotechnology	0
2.	Chemical Engineering	9
3.	Civil Engineering	0
4.	Computer Engineering	11
5.	E&TC Engineering	6
6.	Information Technology	4
7.	Mechanical Engineering	8
8.	Production Engineering	1
9.	MBA	0
10.	Applied Science	0
	Total	**39**

9. Research Activities:

- **R&D, Consultancy and Grants:(For the academic years 2014-15)**

Sr. No.	Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1.	Biotechnology	-	0	0
2.	Civil Engineering	1	20000	0
3.	Computer Engineering	-	0	0
4.	E&TC Engineering	-	0	0
5.	Mechanical Engineering	8	3295000	1669000
6.	Production Engineering	-	0	0
7.	MBA	-	0	0
8.	Information Technology	3	360000	0
9.	Chemical	1	140000	70000
10.	Applied Science	-	0	0
	Total	**13**	**3815000**	**1739000**

- **List of Publications – Journals :**

Sr. No.	Department	Number of Publications
1.	Biotechnology	07
2.	Chemical Engineering	08

3.	Civil Engineering	11
4.	Computer Engineering	23
5.	E&TC Engineering	14
6.	Information Technology	4
7.	Mechanical Engineering	8
8.	Production Engineering	2
9.	MBA	5
10.	Applied Science	1
	Total	**83**

- ## Research Publications – Conferences :

Sr. No.	Department	Number of Conferences
1.	Biotechnology	0
2.	Chemical Engineering	2
3.	Civil Engineering	6
4.	Computer Engineering	26
5.	E&TC Engineering	3
6.	Information Technology	0
7.	Mechanical Engineering	5
8.	Production Engineering	1
9.	MBA	0
10.	Applied Science	0
	Total	**43**

- ## FDP/STTP/Workshop/Conferences Organized :

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Biotechnology	0
2.	Chemical Engineering	1
3.	Civil Engineering	6
4.	Computer Engineering	8
5.	E&TC Engineering	2
6.	Information Technology	2
7.	Mechanical Engineering	1
8.	Production Engineering	1
9.	MBA	19
10.	Applied Science	1
	Total	**41**

- ## STTP/Workshop/Conferences Attended by Faculty :

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	Biotechnology	32
2.	Chemical Engineering	22
3.	Civil Engineering	84
4.	Computer Engineering	169
5.	E&TC Engineering	171
6.	Information Technology	257
7.	Mechanical Engineering	91
8.	Production Engineering	16
9.	MBA	18
10.	Applied Science	67
	Total	**927**

10. University Results:

Sr. No.	Department	Semester – I Results (%)		
		SE	TE	BE
1.	Biotechnology	-	-	-
2.	Chemical Engineering	-	-	-
3.	Civil Engineering	-	99.46	98.99
4.	Computer Engineering	100	96.02	-
5.	E&TC Engineering	76.65	71.93	94.39
6.	Information Technology	-	-	-
7.	Mechanical Engineering	-	-	-
8.	Production Engineering	98	98	100
9.	MBA	-	-	-
10.	Applied Science	-	-	-

11. Value Addition Programs (VAP) and Expert Sessions:

Sr. No.	Department	No. of Value Addition Programs (VAP)	No.of Expert Sessions
1.	Biotechnology	0	0
2.	Chemical Engineering	0	0
3.	Civil Engineering	0	0
4.	Computer Engineering	0	0
5.	E&TC Engineering	0	0
6.	Information Technology	1	17
7.	Mechanical Engineering	3	27
8.	Production Engineering	0	02

9.	MBA	4	0
10.	Applied Science	8	0
	Total	**16**	**46**

12. Memorandum of Understanding (MoUs):

Sr. No.	Department	No of MoUs
1.	STES	0
2.	Biotechnology	1
3.	Computer Engineering	0
4.	E&TC Engineering	11
5.	Mechanical Engineering	0
6.	Chemical Engineering	0
7.	Production Engineering	7
8.	Civil Engineering	02
9.	Information Technology	04
10.	MBA	02
	Total	**27**

13. Industrial Visits:

Sr. No.	Department	No. Industrial Visits
1.	Biotechnology	0
2.	Chemical Engineering	0
3.	Civil Engineering	0
4.	Computer Engineering	0
5.	E&TC Engineering	0
6.	Information Technology	0
7.	Mechanical Engineering	0
8.	Production Engineering	0
9.	MBA	0
	Total	**0**

14. Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Biotechnology	0	0
2.	Chemical Engineering	34	0
3.	Civil Engineering	60	0
4.	Computer Engineering	0	0
5.	E&TC Engineering	82	3
6.	Information Technology	34	0

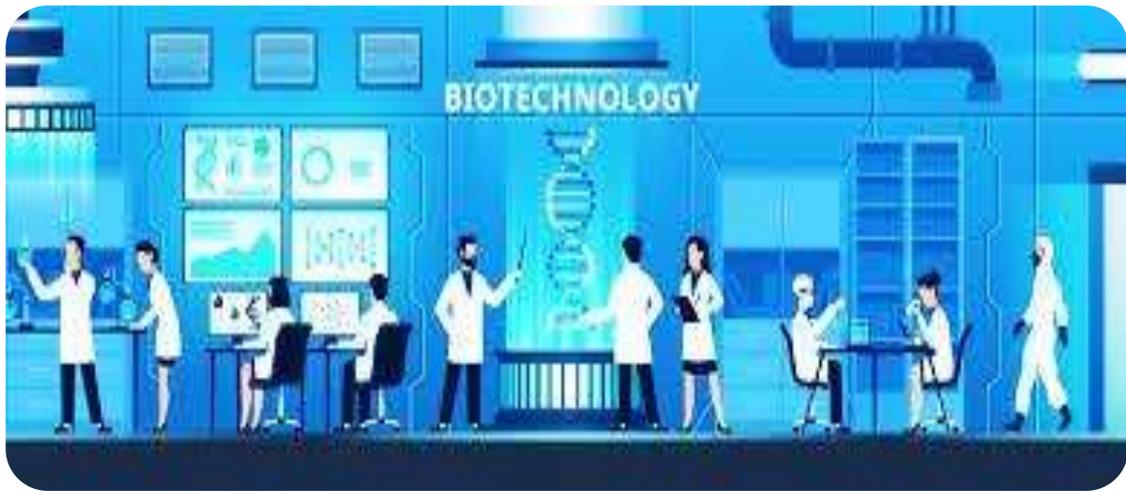| 7.	Mechanical Engineering	85	15
8.	Production Engineering	0	0
9.	MBA	0	58
	Subtotal		
	Total		

15. Employability Skill Development (ESD) Program from Zensar

1. **Employbility test** : 4 test conducted

2. **GTT Training (Group Discussion & Personal Interview)**

   3rd & 4th July'19

   16th and 17th July 2019

Department of Biotechnology Annual Academic Audit Report 2020-21

VISION

To develop proficient, skilled biotech engineers with knowledge of biology and foster Research, innovation and Entrepreneurship.

MISSION

- To impart high quality graduate programme to develop proficient Biotech Engineers with excellent theoretical and practical skills
- To foster Research, Innovation and Entrepreneurship
- To create/provide/develop competent/skilled Biotech engineers of good caliber with high ethics, noble ideas and values

QUALITY POLICY

We the faculty, committed to provide quality education to the students enabling them to excel in the fields of Science and Engineering to gratify the changing and challenging needs of the society and industry.

Long Term Goals

- To develop world class center of excellence for Biotechnology engineering
- To carry out biotechnology research of highest quality through global cooperation and to develop knowledge-rich highly skilled human resource.

- **Short Term Goals**
  - To Start M.Tech Biotechnology programme and research center for PhD students.
  - To keep pace with technology and process through industrial training of faculty, staff and students.
  - To fetch grants from funding agencies.
  - To motivate the faculty for qualification up-gradation
  - To increase number of placement in biotech industries.

Faculty Positions

Sr. No.	Professors	Associate Professor	Assistant Professor	Total
1	01	-	07	08

Research Activities

Ph. D. Registered Faculty Members: 02

List of Publications

A. Research Publications in Journals

1. Avinash Sanapd Ramesh Bhonde, Kalpana Joshi," Conditioned medium of adipose derived Mesenchymal Stem Cells reverse insulin resistance through down regulation of stress induced serine kinases", Journal of Pharmacology 881, 173215, August,2020.
2. Shraddha S. Kulkarni, Sanjay N. Nene, Kalpana S. Joshi," Exploring malted barley waste for fungi producing surface active proteins like hydrophobins." SN Applied Sciences, 1884 (2) October 2020.

3. A. Sanap, K. Joshi, T. Shah, G. Tillu, R Bhonde," Pre-conditioning of Mesenchymal Stem Cells with *Piper longum* L. augments osteogenic differentiation.", Journal of Ethnopharmacology, 113999, March 2021.
4. Avinash Sanapd, Ramesh Bhonde, Kalpana Joshi, "Mesenchymal stem cell conditioned medium ameliorates diabetic serum-induced insulin resistance in 3T3-L1 cells", Chronic Diseases and Translational Medicine Vol 7 (1) 47-56, March 2021.
5. Shweta Kashid, Sheetal Shrigadiwar, Snehal Zare, Kalpana Joshi and Sanjay Nene, "Screening of carbon sources for fragrance producing bacterial species, Invertis Journal of Renewable Energy Vol 11(1). March 2021

B. Faculty Publication with Students in International Conferences

1. Mrs. Shweta kashid presented in GenoPro-2020, 7th International Conference, Presentation on "Screening of carbon Sources for Fragrance producing Species.", Invertis University, Bareilly, Uttar Pradesh, 10-11th Dec,2020

2. Mrs. Shweta kashid E-Poster Presentation on "Effect of whole cell immobilization on fragrance synthesis" in "International Conference for Biotechnology for sustainable, Agricultural, Environment and Health (BSAEH-2021), Birla Auditorium, Jaipur, Rajasthan, 4-8th April,2021.

C. Book Chapter

S. S. Barkade, S. P. Meshram, P. D. Jolhe, V. R. Dos R. W. Gaikwad, Nanocomposite adsorbant based wastewater treatment processes : Special emphasis on surface engineered iron oxide nanohybrides, "Handbook of Nanomaterials for waste water treatment", Elsevier, accepted under print

D. Patent

Sr. No.	Name of the Faculty	Title	Status
1	Dr. Kalpana Joshi	A method for extracting Guaianolide from *Cyathocline purpurea.*	Approval No.- 358075, Date- 09/02/2021

E. Remarkable achievements by faculty

Sr. No	Name of the faculty	Achievement
1	Dr. Kalpana S. Joshi	Advisory Panel for Scientific Publications for clinical trials and population based prophylactic studies of AYUSH interventions related to COVID19 under Ministry of AYUSH
2.	Dr. Kalpana S. Joshi	Member of Interdisciplinary Ayush Research and Development Task Force-Experimental Studies-Preclinical Research
3	Dr. P.D. Jolhe	Expert Lecture Delivered during AICTE sponsored FDP organized during 22/02/21-06/03/21 by Laxinarayan Institute of Technology, RTMU, Nagpur **on** Topic: Bioprocess and Microreactor Technology: A Promising Process Intensification Tool

FDPs/STTPs/Workshops/Conferences Organized

Nil

STTPs/Workshops/Conferences Attended by Faculty

Sr. No.	Name of Faculty	STTP/Workshop/Conference Attended	Duration/Place
1.	Dr. Kalpana Joshi	e-FDP on "NAAC Accreditation"	One week-July 21, 2020 to July 27, 2020.
2.	Dr. Sudha J. Kulkarni	FDP on "Sophisticated analytical instruments: Principles and Applications to chemical and Material Sciences "	July 21-25, 2020
3.	Dr. Sudha J. Kulkarni	e-FDP on "NAAC Accreditation"	One week-July 21, 2020 to July 27, 2020.
4.	Dr. P.D. Jolhe	Training Conducted by CBA,Venture Centre Pune on Biopharma 101: Analytical Characterization of Biopharmaceuticals	30 Oct 2020-19th Dec 20
5.	Dr. P.D. Jolhe	AICTE Sponsored FDP on Catalysis and Reaction Engineering	22 Feb 2021-6 March 2021
6.	Dr. P. D Jolhe	"Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences (SAIPACMS-2020)" Sinhgad College of Engineering, Pune.	July 21 to 25 , 2020
7.	Dr. P.D. Jolhe	AICTE Training And Learning (ATAL) on "Lab on Chip" Defence Institute of Advanced Technology (DU). Pune	14 Dec2020 to 18 Dec 2020
8.	Mr. Prashant Thorat	International E-Conference on Recent Transformations in Chemical & Textile Technology, UICT and UPTTI Kanpur	August 24-26th2020
9.	Mr. Prashant Thorat	AICTE Sponsored One week STTP-I On "Industrial Pollution & Control Strategies", Anurag University Telangana	One week-24th-29thAugust 2020.
10.	Mr. Prashant Thorat	One Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation, Swami RamanandTeerthMarathwadaUniversity ,Nanded	One Week- 1st July to 6th July 2020,
11.	Mr. Prashant Thorat	Online FDP on "Sustainability Engineering", AICTE Training And Learning (ATAL) Academy -GMR Instuitute of Technology.	9th-13th September 2020

12.	Mr. Prashant Thorat	Short term Training Programme on "Sustainable Design of Chemical Process Plants byUsing ASPEN PLUS and ASPEN HYSYS SimulatingTools", AICTE Sponsored Centre for Disaster Mitigation and Management (CDMM), Vellore Institute of Technology (VIT)	2nd-7th August 2020
13.	Mr. Prashant Thorat	Short term Training Programme on "Sustainable Design of Chemical Process Plants byUsing ASPEN PLUS and ASPEN HYSYS SimulatingTools" AICTE Sponsored Centre for Disaster Mitigation and Management (CDMM), Vellore Institute of Technology (VIT)	9thto 14th August 2020
14.	Mr. Prashant Thorat	Online FDP on "Alternate Fuels", AICTE Training And Learning (ATAL) Academy -DON BOSCO INSTITUTE OF TECHNOLOGY.	21 to 25 September 2020
15.	Mr. Prashant Thorat	"Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences (SAIPACMS-2020)", Sinhgad College of Engineering, Pune.	July 21 to 25 , 2020
16.	Mr. Prashant Thorat	AICTE sponsored Short Term Training Programme on "Development of Chemical Engineering Thermodynamics Laboratory for Undergraduates", School of Engineering & Technology GIET UNIVERSITY, GUNPUR-765022	14th to 19th December 2020.
17.	Mr. Prashant Thorat	"Learn to Design your own Solar Home System", Energy Swaraj Foundation in association with Sinhgad College of Engineering, Pune.	14 September 2020
18.	Mr. Prashant Thorat	eFDP-Industrial Safety-Need of the Day, NGPP	22-27 June 2020
19.	Mr. Prashant Thorat	One Week Online Faculty Development Program on "Latex Programming", Spoken Tutorials, IIT B spoken Tutorial Institute and SCOE	27th April 2020 to 2ndMay 2020,
20.	Mr. Prashant Thorat	TEQIP-III sponsored webinar "Heavy Crude Oil Production Technologies-Practical Approach", Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	August 08, 2020.

21.	Mrs.Shweta Kashid	How to write a Research Paper, Dept. of Civil Engineering, SCOE, Pune	18 July,2020
22.	Mrs.Shweta Kashid	GenoPro-2020, 7th International Conference, Presentation on "Screening of carbon Sources for Fragrance producing Species.", Invertis University, Bareilly, Uttar Pradesh	10-11th Dec,2020
23.	Mrs.Shweta Kashid	Virtual Labs FDP, SCOE, Pune	24 December,2020
24.	Mr. Jitendra Rajput	TEQIP-III sponsored webinar "Heavy Crude Oil Production Technologies-Practical Approach" , Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	August 08, 2020.
25.	Mr. Jitendra Rajput	AICTE Sponsored Webinar on "Virtual Labs Effective Tools For Teachinig and Learning", Cummins college of Engineering, Pune	10 July 2020
26.	Mr. Jitendra Rajput	6 Days National Level e-Faculty Development Program on "Industrial Saftey - Need of the Day", N G Patel Polytechnic	22-27 June 2020
27.	Mr. Jitendra Rajput	Programming for Everybody – Python, University of Michigan	26 Dec 2020
28.	Mr. Jitendra Rajput	AICTE Training And Learning (ATAL) FDP on "Computer Science & Biology ", National Institute of Technology, Arunachal Pradesh.	5-9 October 2020
29.	Mr. Jitendra Rajput	AICTE Training And Learning (ATAL) "Emotional Intelligence", INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD.	13-17. Sep 2020
30.	Mr. Jitendra Rajput	One Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation, School of Mathematical Sciences, Swami RamanandTeerthMarathwada University, Nanded.	1-6 July 2020,
31.	Mr. Jitendra Rajput	AICTE Sponsored STTP-I on "Industrial Pollution & Control Strategies", Department of Chemical Engineering, Anurag Group of Institutions.	24-29 August 2020
32.	Mr. Jitendra Rajput	Delivered session on Biotechnology Engineering Labs in "Virtual Labs: Hands-On Workshop" Organized by Nodal Centre 227-Sinhgad College of Engineering, Pune, Virtual Labs - IIT Bombay	24th December 2020.

R&D, Consultancies and Grants

Title of Project	Funding Agency	Faculty Incharge/s	Duration	Grant Sanctioned (in Rs.)	Grant Received (in Rs.)	Project completion (in %)
Role of Ayurvedic Rasayana Pippali (Piper longum) in osteogenic differentiation of Human Umbilical Cord-derived Mesenchymal Stem Cells in 3D culture and diseased animal models.	SERB-DST	Dr. K. S. Joshi	2020-22	27,00,000/-	13,86,280/-	25%
Exploring Proliferative and Differentiation potential of Ayurvedic Rasayanas using human umbilical cord derived Mesenchymal Stem Cells (MSCs)	SERB-DST	Dr. K. S. Joshi	2018-2020	25,00,000/-	25,00,000/-	completed
MODROB	AICTE & SPPU Grant for Equipment	Dr. K. S. Joshi	2016-21	14,50,000/-	11,60,000/-	Completed
Bioprospecting and optimization of extraction of Trans-Resveratral: Commercially important anti-aging, antioxidant polyphenol	BCUD	Dr. K. S. Joshi, Dr. S. J. Kulkarni	-2017-21	2,30,000/-	1,95,500/-	30%
Novel Method for Biofuel Production & Bioseparation Using deep eutectic solvents	BCUD	Mr. P. D. Jolhe	2017-21	1,20,000/-	1,02,000/-	80%
Preparation and exploring catalytic applications of metal organic framework (MOF) in organic synthesis.	BCUD	Dr. S. J. Kulkarni	2017-21	1,90,000	1,33,000	Completed
Improving productivity of fragrance compounds using biotransformations in fluidized bed reactor	Mrs. S. M. Kashid	ASPIRE, Savitribai Phule Pune University	2018-21	2,87,000/-	1,43,500/-	40%

University Results SEM-I

Sr. No.	Year	All cleared result in %
1	S.Y	Result Awaited
2	T.Y	Result Awaited
3	Final Year	Result Awaited

University Rank Holders

Sr. No.	Year	No of students
1	S.Y	10
2	T.Y	10
3	Final Year	10

GATE - 2021Qualified Students

Sr. No.	Name of the Student	Gate Score/Rank
1	Gayarti Chitle	GRE-322 & IELTS-7.5
2	Vishakha Badhe	48 Rank
3	Atmaja Shinde	822 Rank
4	Raee Gramopadhye	964 Rank

Value Addition Programs (VAP) conducted

NIL

Expert Sessions Organized

Sr. No.	Activity Name	Resource person/organized by/ sponsored by	Date of Conduction
1	Inauguration of Student's Chapter of Microbiologist Society, India	Dr. A.M. Deshmukh, Dr S. D. Patankar & Mrs. N.B. Pendharkar	29.6.2021

Guest Lectures Organized

Sr.no.	Expert name	Date
1	Dr Anup Kulkarni-"Global opportunities in Biotechnology and study abroad"	24.05.2021
2	Dr. Manish Pungliya- "Pharmacogenomics"	22.06.2021
Pathfinder Series		
3	Mr. Sanket Jadhav & Mr. Shreyas Tribhuvane -Career Orientation	10.09.20
4	Mr. Abhishek Deshpande-"Medial Biotechnology"	31.10.20
5	Mrs. Chaitra Badamikar-"Bio-Pharmaceutical Industries"	06.11.20

Memorandums of Understanding (MoUs)

Name of Company	Date of MOU	Objectives
Green Array Genomic Research and Solutions PVT LTD.	October 1st, 2020	Joint Research, Internships, Training

Industry Liaison

Department has close liaison with biotech industries which can be strengthened with the help of Industry-Institute Interaction Cell (I²IC) and Industrial Visits.

➢ Industry-Institute Interaction Cell

Objectives of Industry Institute Interaction Cell:

- To arrange Guest lecturers in various domain of interest
- To work as External examiner for U.G. Project work
- To provide Internship to desired students
- To work as a Technical adviser in students projects.
- To help in syllabus revision based on industry need.

List of Industry Cell Members:

Sr. No.	Name of eminent academicians, scientists, visitors	Affiliation	Contact Details
1	Mr. Pradip Dhotey	Asst. vice President Praj Industries Ltd., Pune	pradeep.dhotey@gmail.com 9890300387
2	Mr. Saurabh Batwal	Executive Officer Serum Institutes, Pune	swsaurabh@gmail.com 8087683496
3	Dr. Manish Pungliya	Founder MD, AyuGen Biosciences Pvt. Ltd., Pune	mpungliya@ayugen.com 9860065758

4	Dr. Rajesh Gupta	Senior Scientist, Lupin Research Park,Pune	guptaraj.91@gmail.com 9890057906

- **Industrial Visits**

The industrial visits were not conducted due to Pandemic COVID situation during academic year 20-21.

Projects Completed by the Students

Under Graduate Students:

Year	In-house	Sponsored
Final Year	88 %	12%

Students' Achievements

➢ **Co-Curricular Activities:**

Sr. No.	Name of Student	Title of Competition/Course	Organizer	Prize/Rank
1.	Sawanee Chitale	IMUN Conference	IMUN Online Conference	Certificate
2.	Arti Tangsale	Poster Presentation	MES Abasaheb Garware College Pune	Certificate
3.	Swarali Deshpande	Research & Content Development Edpat Internship	Internshala	Certificate
4.	Gayatri Chitale	Genome Engineering: CRISPR	Crispr Biotech Engineering	Certificate
5.	Gayatri Chitale	Cell Designer Training	Spoken Tutorial, IIT Bombay	Certificate
6.	Gayatri Chitale	Fundamentals of Immunology: Innate Immunity and B-Cell Function	Coursera, RICE University	Certificate
7.	Gayatri Chitale	Writing in the Sciences (with Honours)	Coursera, Stanford University	Participated
8.	Gayatri Chitale	Understanding Prostate Cancer	Coursera, Johns Hopkins University	Participated
9.	Gayatri Chitale	Start-up 101: An Introduction to Science & Technology Entrepreneurship	Venture Centre, NCL, Pune.	Participated

Sr. No.	Name of Student	Title of Competition/Course	Organizer	Prize/Rank
10.	Chirayu Chaudhari	Successful Negotiation: Essential Strategies and Skills	Coursera, University of Michigan	Participated
11.	Chirayu Chaudhari	Municipal Solid Waste Management in Developing Countries	Coursera, EcolePolytechnique federale de laussane	Participated
12.	Raee Gramopadhye	The Science of Stem Cells	Coursera: American Museum of Natural History	Certificate
13.	Raee Gramopadhye	Cell Designer Training	Spoken Tutorial, IIT Bombay	Certificate
14.	Abhishek Kulkarni	Cell Designer Training	Spoken Tutorial IIT Bombay	Certificate
15.	Abhishek Kulkarni	Fundamentals of Immunology Specialization	Coursera, RICE university	Certificate
16.	Abhishek Kulkarni	Fundamentals of Immunology- Innate Immunity and B cell function	Coursera , RICE University	Certificate
17.	Abhishek Kulkarni	Fundamentals of Immunology- T cells and Signalling	Coursera, RICE University	Certificate
18.	Abhishek Kulkarni	Fundamentals of Immunology- Death by friendly fire	Coursera, RICE University	Certificate
19.	Abhishek Kulkarni	Fundamentals of Immunology- Dueling with the dark side	Coursera, RICE University	Certificate
20.	Abhishek Kulkarni	The Science of Stem Cells	Coursera, American Museum of Natural History	Certificate
21.	Abhishek Kulkarni	Whole Genome Sequencing of bacterial genomes- tools and applications	Coursera, Technical University of Denmark	Certificate
22.	Abhishek Kulkarni	Metagenomics applied to surveillance of pathogens and antimicrobial resistance	Coursera, Technical University of Denmark	Certificate
23.	Abhishek Kulkarni	Industrial Biotechnology	Coursera, University of Manchester	Certificate
24.	Abhishek Kulkarni	Astrobiology- Exploring other worlds	Coursera, University of Arizona	Certificate
25.	Abhishek Kulkarni	Astrobiology and the search for Extraterrestrial life	Coursera, University of Edinburgh	Certificate

Sr. No.	Name of Student	Title of Competition/Course	Organizer	Prize/Rank
26.	Abhishek Kulkarni	Genomics- Decoding the Universal language of life	Coursera, University of Illinois at Urbana-Champaign	Certificate
27.	Abhishek Kulkarni	Understanding Cancer Metastasis	Johns Hopkins University	Certificate
28.	Saniya Kate	Epidemiology In Public Health Practice Specialization	Coursera, Johns Hopkins University	Certificate
29.	Saniya Kate	Introduction to Genomic Technologies	Coursera, Johns Hopkins University	Certificate
30.	Saniya Kate	Epidemics : The dynamics of Infectious Diseases	Coursera, Pennsylvania state University	Certificate
31.	Saniya Kate	Cell Designer Training	Spoken Tutorial, IIT Bombay	Certificate
32.	Saniya Kate	Fundamentals of Immunology- Innate Immunity and B cell function	Coursera , Rice University	Certificate
33.	Saniya Kate	Biochemical principles of Energy Metabolism	Coursera,Korea Advanced Institute of Science and Technology	Certificate
34.	Saniya Kate	Study designs in Epidemiology	Coursera, Imperial College London	Certificate
35.	Saniya Kate	Drug Discovery	Coursera, University of California San Diego	Certificate
36.	Shishir Biwalkar	Python for Genomic Data Science	Coursera, Johns Hopkins University	Certificate
37.	Shishir Biwalkar	Epidemiology In Public Health Practice Specialization	Coursera, Johns Hopkins University	Certificate
38.	Shishir Biwalkar	Whole Genome Sequencing of Bacterial Genomes - Tools and Applications	Coursera, Technical University of Denmark	Certificate
39.	Shishir Biwalkar	Drug Discovery	University of California San Diego	Certificate
40.	Shishir Biwalkar	Advanced Neurobiology	Coursera, Peking University	Certificate
41.	Shishir Biwalkar	Global disease master class : Communicable Diseases Epidemiology, Intervention and Prevention	Imperial College London	Certificate

Sr. No.	Name of Student	Title of Competition/Course	Organizer	Prize/Rank
42.	Rohit Bhandarkar	Industrial Biotechnology	University of Manchester	Certificate
43.	Rohit Bhandarkar	Drug Discovery	University of California San Diego	Certificate
44.	Dipeeka Jambhulkar	Drug Discovery	University of California San Diego Coursera	Certificate
45.	Dipeeka Jambhulkar	Introduction to Genomic Technologies	Johns Hopkins University Coursera	Certificate
46.	Dipeeka Jambhulkar	Introduction To The Biology Of Cancer	Johns Hopkins University Coursera	Certificate
47.	Deepali Salve	Cell Designer training	Spoken tutorial IIT Bombay	Certificate
48.	Deepali Salve	Bio python Training	Spoken tutorial IIT Bombay	Certificate
49.	Deepali Salve	Bioinformatics Training	Spring fest IIT Kharagpur with Edufabrica	Certificate
50.	Deepali Salve	Cell Designer Training	Spoken tutorial IIT Bombay	Certificate
51.	Deepali Salve	Understanding cancer metastasis	Johns Hopkins University Coursera	Certificate
52.	Deepali Salve	Introduction to database concepts	Alison	Certificate
53.	Deepali Salve	The Science of Stem cells	American Museum of Natural History Coursera	Certificate
54.	Shivani Athani	Introduction to Forensic Science	Coursera:Nanyang University, Singapore	Certificate
55.	Shivani Athani	Science of stem cells	Coursera: American Museum of Natural History	Certificate
56.	Shivani Athani	Cell designer Training	Spoken tutorial IIT Bombay	Certificate

Sr. No.	Name of Student	Title of Competition/Course	Organizer	Prize/Rank
57.	Shivani Athani	How Forensic science should speak in Court	Courses: University of Lausanne	Certificate
58.	Shivani Athani	DNA decoded	McMaster University	Certificate
59.	Janhavi Bhangale	Biopython	Spoken tutorial IIT Bombay	Certificate
60.	Janhavi Bhangale	Industrial Biotechnology	Coursera University of Manchester	Certificate
61.	Janhavi Bhangale	Drug Discovery	Coursera University of California San Diego	Certificate
62.	Gayatri Chitale	Webinar cum FDP series on "Current Progress and Future Prospects of Biotechnology	Chaitanya Bharathi Institute of technology (CBIT), Hyderabad	Participated
63.	Chirayu Chaudhari	Conference presentation-Decentralization of wastewater treatment for sustainability	Matoshri College of Engineering	Participated
64.	Chirayu Chaudhari	Godavari Rejuvenation	Matoshri College of Engineering	Participated
65.	Raee Gramopadhye	Bones in Medico-Legal: Forensic Anthropological Approach	Yenepoya University, Manglore	Participated
66.	Raee Gramopadhye	Bio-ethics and Forensic Science: An Overview	Yenepoya University, Manglore	Participated
67.	Saniya Kate	GenoPro2020, 7th International Conference on Challenges and opportunities in Medical, Environmental and Biotechnological Research	Invertis University	Participated
68.	Saniya Kate	5th International Conference on Bioenergy Environment and Sustainable Technologies (BEST2021)	Arunai Engineering College	Participated
69.	Shishir Biwalkar	GenoPro2020, 7th International Conference on Challenges and opportunities in Medical, Environmental and Biotechnological Research	Invertis University	Participated
70.	Shishir Biwalkar	5th International Conference on Bioenergy Environment and Sustainable Technologies (BEST2021)	Arunai Engineering College	Participated

Sr. No.	Name of Student	Title of Competition/Course	Organizer	Prize/Rank
71.	Shivani Athani	Microbiologist in everybody	Biotechnika	Participated
72.	Shivani Athani	Bones in Medico-Legal: Forensic Anthropological Approach	Yenepoya University, Manglore	Participated
73.	Shivani Athani	Bio-ethics and Forensic Science: An Overview	Yenepoya University, Manglore	Participated
74.	Shivani Athani	AI in Biology	NPTEL	Participated
75.	Chaudhari Chirayu	Dhanraj Constructions	Site Supervisor and AutoCAD Draftsmen	Internship
76.	Abhishek Kulkarni	Serum Institute of India	Training for Techniques in Bacterial Vaccine production and Quality Control Department	Internship
77.	Janhavi Bhangale	Aditya Winery	Research Trainee	Internship
78	Nishad Thorat	Research Trainee	Siddhi Multispecialty Hospital, Pune	Internship
79	Nishad Thorat	Research Intern	KrupaSai Clinical Lab, Pune	Internship
80	Shruti Iyer	Research Trainee	Biolom centre for Science and Technology, Pune	Internship
81	Gayatri Chitale	German Language basic (A1)	Fluentrics language classes	Participated
82	Raee Gramopadhye	First Step Korean	Coursera: Yonsei University	Participated
83	Abhishek Kulkarni	Online Quiz on Astronomy and Astrophysics	Zenith Astronomy Club, Marathwada Mitramandal College of Engineering Pune	Participated
84	Shivani Athani	First Step Korean	Coursera: Yonsei University	Certificate

Sr. No.	Name of Student	Title of Competition/Course	Organizer	Prize/Rank
85	Shivani Athani	Srujan English Section	SCOE	Section Editor
86	Shivani Athani	BIOSK	SCOE Department of Biotechnology	Magazine Editor
87	Dipeeka Jambhulkar	Online Quiz on Astronomy and Astrophysics	Zenith Astronomy Club, Marathwada Mitramandal College of Engineering Pune	Participated
88	Deepali Salve	Spanish vocabulary	UC Davis University	Participated
89	Sawanee Chitale	Korean Language level 1 & 2	Online	Certificate

- **Extra-Curricular**

  1. **Cultural**

Sr. No.	Name of student	Event	Organizer	Prize/Rank
1	Gayatri Chitale	National level Hindi poetry competition.	Swadhya Publishing House, Delhi	Selected in top 50 winners and got and published in a book.
2	Shivani Athani	Covid-19 Awareness campaign	Govt of India	Participated
3	Shivani Athani	Madhyama Purna Bharatnatyam	Akhil Bhartiya Gandharv Parishad	Certificate
4	Shivani Athani	Poetry Writing	Commonwealth Bank Australia, Staff Participation.	3rd Rank
5	Sawanee Chitale	Podcast Launched	Purvakhyan	Participated
6	Sawanee Chitale	Developing your Musicianship	Berklee University	Participated
7	Swarali Deshpande	Certificate course on Subhashitam Samskritam	IIT Roorkee and Sanskrit Bharati	Participated

2] Sports

NIL

3] NSS

Sinhgad College of Engineering NSS committee organized various activities during Academic year 20-21, following students participated in various NSS Activities.

Sr. No.	Name
1	Vaishavi Kale
2	Aditi Kolapkar
3	Tanmay Jadhav

Student Activities

At Department of Biotechnology, student activities are divided in three parts.

1. Sinhgad Students' Council (SSC).
2. Techtonic- Annual technical festival organized under Sinhgad Karandak.

Due to pandemic situation Annual Festival was not conducted during Academic yea 20-21.

Glimpses of Students Achievements : Biotech

Annual Academic Audit Report

Department of Chemical Engineering

2020-21

• Vision:

To be a recognized undergraduate chemical engineering programme and a center of excellence that nurtures innovations in chemical engineering education and research.

• Mission:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conductive to learning, creativity and technology transfer.Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

• Quality Policy:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty andhealthy atmosphere with decent discipline.

• Goals:

• Long Term Goals

1. To set up centre of excellence in the frontiers of Chemical Engineering
2. To imbibe technical skills needed for achieving Professional Excellence
3. To serve the society through significant contribution to industry, nation and the engineering profession
4. To inculcate social and ethical values among students

• Short Term Goals

1. To improve industry-institute interaction
2. To imbibe technical skills needed for Consultancy and Entrepreneurship in the field
3. To provide conducive environment for research and development and faculty qualification upgradation
4. To publish quality research papers in journals of repute

• Research Activities:

    a. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned
1	Synthesis Of Silver Nanoparticles From Plant Extract	1,40,000/-

Student ongoing Research Projects

Sr. No	Title	Sponsoring Agency
1	Sustainable Energy Generation by Using Organic Rankine Cycle	National Chemical Laboratory, Pune

- **R&D, Consultancy and Grants: (For the academic years 2020-21)**

Sr. No.	Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1.	Chemical Engineering	1	1,40,000/-	70,000/-

- **List of Publications – Journals :**

Sr. No.	Department	Number of Publications
1.	Chemical Engineering	08

- **Research publications in Journals notified on U.G.C. Website**

Sr. No	Title of Paper	Name of Publication
1	Ultrasound assisted preparation of rGO/TiO$_2$ nanocomposite for effective photocatalytic degradation of methylene blue under sunlight	Elsevier-Nanostructures & Nano Objects Citations: 26
2	Sonochemical preparation of multifunctional rGO-ZnS-TiO2 ternary nanocomposite and its application for CV dye removal	Elsevier- Optik Impact Factor: 2.187 Citations: 4
3	Sonochemical preparation of ternary rGO-ZnO-TiO2 nanocomposite photocatalyst for efficient degradation of crystal violet dye	Elsevier- Optik Impact Factor: 2.187 Citations: 10
4	Biodiesel Production from Nagpur Thermal Power Plant Ash Used As Catalyst	Indian Journal of Environmental Protection

5	Nanocomposite adsorbent-based wastewater treatment processes: Special emphasis on surface-engineered iron oxide nanohybrids	Elesevier: Handbook of nanomaterials for waste water treatment
6	Review on membrane technology for separation of biodiesel	Elsevier: Materials study: Proceedings Impact Factor: 1.24
7	Application of TiO_2 and Nb_2O_5 for ultrasonic degradation of Rhodamine-B	Elsevier: Materials study: Proceedings Impact Factor: 1.24
8	Rejection Behavior of Manganese Ions from Synthetic Wastewater By Nanofiltration and Estimation of Membrane Transport Parameters	International Journal of Creative Research Thoughts

- **Research Publications – Conferences :**

Sr. No.	Department	Number of Conferences
1.	Chemical Engineering	02

| Sr. No	Conference Details
1	J. G. Gujar, Pratiksha Patil "Removal of Manganese ions from Wastewater using nanofiltration membrane and estimation of transport parameters International E-Conference RTCTT-2020 organized jointly by the University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari NMU Jalgaon and Uttar Pradesh Textile Technology Institute Kanpur during 24-26 Aug. 2020
2	Riya G. Deshpande, Atharva D. Bibikar, Dr. J. G. Gujar, Dr. Nilesh Mali "Reaction Scheme Design for Production of Hydrogen Using Catalytic Steam Reformer" International E-Conference RTCTT-2020 organized jointly by the University Institute of Chemical Technology, Kavayitri Bahinabai Chaudhari NMU Jalgaon and Uttar Pradesh Textile Technology Institute Kanpur during 24-26 Aug. 2020

- **FDP/STTP/Workshop/Conferences Organized :**
  a) No. of Workshops / Seminars / Conferences etc - Organized

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Chemical Engineering	01

Sr. No	Title	Name of Dept.	Period (From – To)	No. of Participants
1	Application Oriented Advanced Functional Nanocomposites	Chemical Engineering	26th to 30th July 2021	122

- **Faculty Development Programme (FDP) Photographs:**

One week online FDP on "Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences"
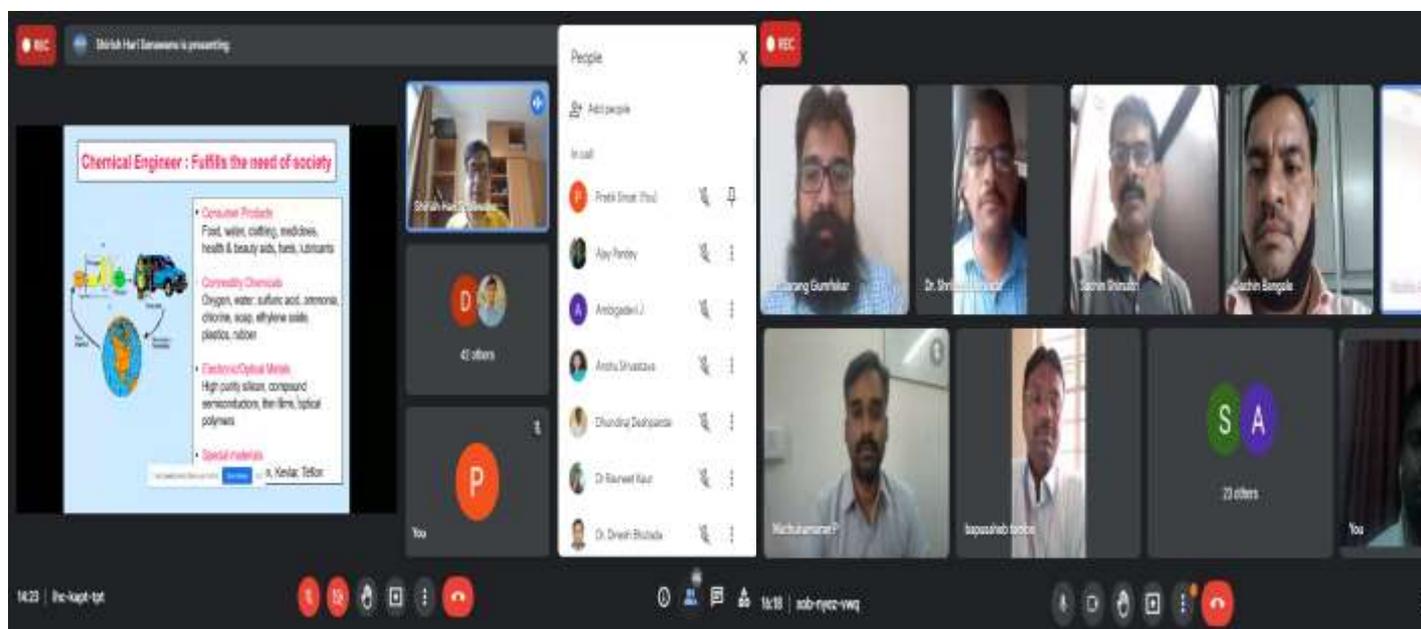
The Online FDP inaugural function followed by Key Note address of Dr. Shirish Sonawane, Professor, NIT Warangal.

Photograph of one week online FDP along with participants in the event

- **FDP/STTP/Workshop/Conferences Attended by Faculty:**

Sr. No	Department	No. of FDP/STTP/Workshop/Conferences Attended
1.	Chemical Engineering	22
	Total	**22**

Sr. No.	Faculty	Title	Institute	Date, Year
1	Dr. S. R. shirsath	Catalysis and reaction engineering	LIT, Nagpur	22nd Feb - 6th March 2021
2	Dr. S. S. Barkade	Catalysis and reaction engineering	LIT, Nagpur	22nd Feb - 6th March 2021
		Awareness webinar on Outcome Based Education and Accreditation	COE,Pune	27th Nov,2020
		Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences	SCOE, Pune	21st -25th July 2020
3	Dr. J. G. Gujar	Catalysis and reaction engineering	LIT, Nagpur	22nd Feb - 6th March 2021
		Nanotechnology	VNIT, Nagpur	24th -28th Aug 2020
		Recent trends in research	Tontadarya College of Engg. Karnataka	19th -20th Aug 2020
		Recent advances in Nanoparticles, films and membranes	SIT, Tuakaru	10th -14th Aug 2020
		Outcome based education and accreditation	COE,Pune	27th Nov 2020
		IPR and Patent Process	Poona College of Pharmacy in association with RGNIIPM	19th March 2021
		Stress Management in Covid Era	Spectrum Hi College of Pharmacy UP.	24th April 2021
		Intellectual Property and Entrepreneurship	Poona College of Pharmacy in association with PHDCCI New Delhi	7th May 2021
		Citius Altius and Fortius in achieving excellence in higher educations	D Y Patil College of Engineering Kolhapur	11th May 2021
		Career Exploration in Pharmacy	Spectrum Hi College of Pharmacy UP.	15th May 2021
		Emergency trends in Industry	KBT college of Engg. Nashik	18th 22nd May 2021
4	Prof. V. H. Bankar	Awareness webinar on Outcome Based Education and Accreditation	COE,Pune	27th Nov,2020

Sr No	Name	Title	Sponsored / Organised by	Period
		Alternate Fuels	AICTE ATAL Training and Academy,One week, SBSSIT, Ferozepur, Punjab	7th-11th Nov 2020
		Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences	SCOE, Pune	21st -25th July 2020
5	Prof. P. P. Sirsat	Recent Trends in Waste & Waste Water Treatment	K. K. Wagh Polytechnic, Nashik	18th -22nd Jan 2021
		Introduction to Process Intensification	Maxspeed Technologies Pvt. Ltd. Pune	9th June 2020
		Nanomaterials for Energy & Environmental Applications	Ramco Institute of Technology, Tamilnadu	29th Jan 2021
		Awareness webinar on Outcome Based Education and Accreditation	COE,Pune	27th Nov,2020
6	V.S.Ashtekar	Comouter Aided Software for Process Intensification	AICTE ISTE Approved	24th -29th May 2021
		Comouter Aided Software for Process Intensification	AICTE ISTE Approved	5th -10th April 2021
		Introduction to process Intensification	K K Wagh College, Nashik	9th June 2020

- **Workshops / Seminars / Conferences / STTP:**

    a. No. of Faculty participation in STTP / Seminars / Conferences / Symposia etc.

Sr. No	Title	International Level	National level
1	Attended only	1	1

    b. FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc –
    Attended by faculty

Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period
1	Prof. V. H. Bankar	Virtual Labs: Hands on Workshop	PVG-IITB-SCOE, Pune	24th Dec 2020

- ## GATE Qualified Students:

Sr No.	Name of Student	GATE Score
1	SATYAJIT GUNJAL	42.33
2	AJIT SACHIN NAGARE	35
3	VAIBHAV PATIL	34.33

- ## Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Chemical Engineering	34	-
Total		**34**	

- ## Students Internship summary:

Sr. No.	Department	No Of Internship By Students	
		UG	PG
1.	Chemical Engineering	124	NA

- ## Students Internship details:

Sr. No.	Name of the student	Class	Course/Place	Title	Duration (Days)	Period from	Period (to)
1	Agarwal Mansi Umesh	TE	Internship	Mittal Industries, Gandhi Chowk, Nandgaon, Nashik	One month	17/08 /2020	17/09 /2020
2	Anurag Singh	TE	Coursera	Nanotechnology and Nanosensors	One day	26/05 /20	26/05 /20
3	Bagul Aditya Narayan	TE	Udemy	Air Pollution – a Global Threat to our Health	One day	10/07 /21	10/07 /21
4	Balure Rohini Tanaji	TE	Cousera	Air Pollution – a Global Threat to our Health	One day	07/08 /20	07/08 /20
5	Bidwe saurabh Shivaji	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	21/07 /20	21/07 /20
6	Borwake nishant ganesh	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	15/10 /20	15/10 /20

7	Chavan saloni rajesh	TE	Energy swaraj foundation	Learn to design your own solar home system	One day	07/08 /2020	07/08 /2020
8	Chute shrikant premlal	TE	Coursera	Mind Control: Managing Your Mental Health During COVID-19	One day	17/10 /20	17/10 /20
9	Dhuriya simran bansilal	TE	Coursera	Materials Science: 10 Things Every Engineer Should Know	One day	08/10 /2020	08/10 /2020
10	Gaikwad rushikesh balasaheb	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	21/07 /20	21/07 /20
11	Ghule prathamesh Dashrath	TE	Coursera	Excel	One day		10-Jun-19
12	Hedau vivek nilkanth	TE	Coursera	Oil and gas industry operations and markets(2)	One day	27/01 /20	27/01 /20
13	Ingole rohit Rajendra	TE	Coursera	Python and machine learning for asset management with 16alternative data set17s	One day	19/07 /2020	19/07 /2020
14	Jadhav prachi sanjay	TE	Coursera	Our Energy Future	One day	18/11 /20	18/11 /20
15	Joshi aditya ajay	TE	Udemy	Ultimate matlab programing+matlab Simulink for engineering	One day	27/01 /20	27/01 /20
16	Kale pravin Somnath	TE	Aaharya technologies	Statrup India internship	One day	27/02 /20	27/02 /20
17	Kankaria vinit abhay	TE	Coursera	Introduction to chemistry	One day	15/06 /20	15/06 /20
18	Kapare prajyot gorakh	TE	Coursera	Nanotechnology: A Maker's Course	One day	25/10 /20	25/10 /20
19	Khodade tushar sakharam	TE	Courseera	Air Pollution – a Global Threat to our Health	One day	25/08 /20	25/08 /20
20	Khubalkar prathmesh diliprao	TE	Coursera	Excell skill for business	One day	20/12 /2020	20/12 /2020
21	Koche sanskruti Sanjay	TE	Coursera	Nanotechnology and Nanosensors, Part1(2)	One day	17/11 /20	17/11 /20
22	Kshirsagar sanket Rajendra	TE	Coursera	Python and Machine-Learning for Asset Management with Alternative Data Sets	One day	14/10 /20	14/10 /20
23	Kumbhar chaitanya shahaji	TE	Coursera	Chemicals and Health	One day	25/07 /20	25/07 /20

24	Matsagar aniket rustum	TE	Coursera	Nanotechnology a maker's course	One day	25/08/20	25/08/20
25	Meshram sakshi rajan	TE	Coursera	Chemicals and Health	One day	29/08/20	29/08/20
26	Mulik rohit popat	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	21/07/20	21/07/20
27	Mustakeem shaikh	TE	Udemy	Fundamentals of engineering thermodynamics	One day	17/10/20	17/10/20
28	Nagpure yogesh suresh	TE	Internship	Mother Dairy,Wardha	3 Months	26/07/2020	30/09/2020
29	Nanduwalkar suyog nitin	TE	Coursera	Nanotechnology : A makers course	One day	17/10/20	17/10/20
30	Nikam ajinath Narayan	TE	Coursera	Nanotechnology and Nanosensors	One day	31/08/20	31/08/20
31	Paigude preet sanjay	TE	Coursera	Nanotechnology and Nanosensors	One day	31/08/20	31/08/20
32	Patil krishna arun	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	21/07 20	21/07 20
33	Patil nilesh Gajanan	TE	Coursera	Excell skill for business	One day	18/12/2020	18/12/2020
34	Patil vaibhav devidas	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	29/08/20	29/08/20
35	Pawar onkar jaysing	TE	Coursera	Nanotechnology : A Maker's Course	One day	25/10/20	25/10/20
36	Pawar shubham sukhadev	TE	Coursera	Chemicals and Health	One day	25/07/20	25/07/20
37	Pawase yash Vinayak	TE	India Chem Industries,Ahmednagar	15 days	One month	11/06/2020	26/07/2020
38	Phalke manish Ramesh	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	21/07/20	21/07/20
39	Pharate trusharth ashokrao	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	26/09/20	26/09/20
40	Pratham pravin poreddiwar	TE	Coursera	Oil and gas industry operations and market	One day	01/02/2021	01/02/2021
41	Pujari siddhesh shamrao	TE	Udemy	Scrum fundamentals from scrum master and agile project	One day	14/12/20	14/12/20
42	Rajbhoj shubham Ramesh	TE	Coursera	Material science 10 things every engineer should know	One day	15/10/20	15/10/20
43	Salame tanmay vijayrao	TE	Coursera	Nanotechnolgy and Nanosensors – part 1	One day	16/10//20	16/10//20
44	Saste swarup anil	TE	Coursera	Technical support fundamentals	One day	27/11/20	27/11/20

45	Sawai gaurav dharmendra	TE	Internship	Mother dairy, Wardha	Three month	26/07 /2020	31/09 /2020
46	Sawarkar nikhil anilrao	TE	FUEL	Fuel aptitude course	One day	05/07 /2021	05/07 /2021
47	Shevantkar vaibhav balasaheb	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	26//0 9/20	26//0 9/20
48	Shilamkar avinash ratankumar	TE	Coursera	Chemical and Health	One day	21/07 /2020	21/07 /2020
49	Shinde vikram Tukaram	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	15/10 /20	15/10 /20
50	Shingwekar rohit rajesh	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	08/20 /2020	08/20 /2020
51	Suryaditya amarshinag patil	TE	Coursera	Chemicals and Health	One day	07/25 /2020	07/25 /2020
52	Suryavanshi sonali vishnu	TE	Coursera	Natural Gas	One day	18/10 /2020	18/10 /2020
53	Talwekar arpit kishor	TE	Coursera	Crash Course on Python	One day	20/09 /20	20/09 /20
54	Thete akshay kisan	TE	Coursera	Chemicals and Health	One day	24/09 /20	24/09 /20
55	Vikas s mujbaile	TE	Coursera	Natural gas	One day	24/10 /20	24/10 /20
56	Yelane pankaj Shridhar	TE	Coursera	Our Energy Future	One day	09/02 /20	09/02 /20
57	Baviskar devendra subhash	TE	Internship	RCF Ltd,Thal, Alibaug	One week	10/06 /2020	15/06 /2020
58	Bediskar pawan Pramod	TE	Skill India	Workshop on piping engineering	One day	23/10 /20	23/10 /20
59	Joshi atharva Sanjay	TE	Coursera	Air Pollution – a Global Threat to our Health	One day	20/10 /2020	20/10 /2020
60	Wanda da conceicao mavila	TE	Udemy	Mass transfer principles for vapour liquid unit operations	One day	27/03 /21	27/03 /21
61	Ashima koul	TE	Internship	Sun pharma	One day	25/02 /2021	25/02 /2021
62	Bhadane manish abhimanyu	TE	Coursera	Mind Control: Managing Your Mental Health During COVID-19	One day	27/01 /21	27/01 /21

Sr. No.	Name of the student	Class	Course/Place	Title	Duration (Days)	Date

1	Ahire Vaibhav Dilip	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	15/10/20
2	Aman Singh Rajput	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	28/09/20
3	Auti Rushikesh Suresh	BE	Coursera	Introduction to Programming with MATLAB	One Day	24/09/20
4	Bahurupi Samvad Chandrakant	BE	Coursera	Solar Energy Systems Overview	One Day	20/07/20
5	Barge Amit Shashikant	BE	Coursera	Chemicals and Health	One Day	11/09/20
6	Barse Shubham Bhaurao	BE	Coursera	Material Processing	One Day	08/08/20
7	Bhasme Rupal Vilasrao	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	12/04/20
8	Chavan Sudhanshu Sudhir	BE	Coursera	Project Management: The Basics for Success	One Day	22/10/20
9	Chris Tomsy	BE	Coursera	Nanotechnology and Sensors Part 1	One Day	22/07/20
10	Dalvi Rohan Ramdas	BE	Coursera	Ferrous Technology 1	One Day	31/03/21
11	Date Akshay Sharad	BE	Coursera	Nanotechnology and Nanosensors part 1	One Day	15/08/20
12	Deshmukh Bush Dilip	BE	Coursera	Ferrous Technology 2	One Day	03/02/21
13	Dhole Saurav Ravikant	BE	Coursera	Solar energy systems overview	One Day	20/09/20
14	Doke Pavan Prasanna	BE	Coursera	Nanotechnology and Nanosensors, Part1	One Day	23/05/20
15	Fand Aditya Shyam	BE	Coursera	Crash course on Python	One Day	20/09/20
16	Gabhane Aayushi Avinash	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	17/10/20
17	Ghodake Nivedita Dayanand	BE	Coursera	Nanotechnology and Nanosensors, Part1	One Day	27/08/20
18	Gunjal Satyajit Vidyadhar	BE	Microfine Specialty Products	Industrial Training	Three months	01/08/20 – 03/11/20
19	Harkut Sudhansh Pramod	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	20/10/20
20	Jadhav Abhishek Pravin	BE	Coursera	Initiating and Planning Projects	One Day	06/04/20
21	Jadhav Abhishek Vikas	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	21/07/20

22	Jamdade Sarang Suryakant	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	14/10/20
23	Jayesh Garg	BE	ISRO	Geospatial Inputs for Enabling Master Plan Formulation	One Day	31/07/20
24	Jessica Marta Manhica	BE	Coursera	Materials Science: 10 Things Every Engineer Should Know	One Day	08/01/20
25	Jorvekar Sagar Balasaheb	BE	Coursera	Engineering Project Management: Initiating and Planning	One Day	01/08/20
26	Kale Bhagwan Asaram	BE	Coursera	Material Processing	One Day	07/08/20
27	Khushabu Sudhakar Dharamthok	BE	Coursera	Introduction to Programming with MATLAB	One Day	12/07/20
28	Kumat Kunal Anil	BE	Internship	Prior Water Solutuon	One Day	23/10/20
29	Landge Mohnish Harish	BE	AIChE	SAChE Certificate Program - An Introduction to Managing Process Safety Hazards	One Day	23/07/20
30	Malavade Saurabh Chandrakant	BE	Coursera	Engineering Project Management: Initiating and Planning	One Day	28/07/20
31	Mandhare Vaibhav Arun	BE	Coursera	Initiating and Planning Projects	One Day	14/10/20
32	More Swati Sukhadeo	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	30/09/20
33	Muley Pooja Narharirao	BE	Coursera	Nanotechnology and Nano sensors, Part1	One Day	27/08/20
34	Nagare Ajit Sachin	BE	Coursera	Chemicals and Health	One Day	27/07/20
35	Nagle Sahil Sunil	BE	Coursera	Teamwork Skills : communicating Effectively in group	One Day	21/11/20
36	Nerkar Sunayana Sanjay	BE	Coursera	Air Pollution – A Global Threat to our health	One Day	06/11/20
37	Nikam Amit Sahebrao	BE	Coursera	Chemicals and Health	One Day	11/09/20
38	Pakhale Nikhil Vijay	BE	Coursera	Air Pollution – A Global Threat to our health	One Day	06/11/20
39	Patil Chiranjv Hiralal	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	12/11/20

40	Patil Nitin Prabhakar	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	08/14/20
41	Patil Vaibhav Ganesh	BE	Udemy	Speak English Professionally: In person, Online and on the phone	One Day	24/07/20
42	Pawar Aishwarya Vinod	BE	Internship	Emcure Pharmaceuticals Pvt. Ltd,Bhosari,Pune	One month	31/05/20 – 25/06/20
43	Prasannarje Mukund Deshmukh	BE	Coursera	Material Science : 10 things Every engineer should know	One Day	15/08/20
44	Rajkuwar Riddhi Vasant	BE	Coursera	Introduction to Chemistry Reaction and Ratio	One Day	11/11/20
45	Raskar Abhijeet Abhimanyu	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	17/10/20
46	Salonee Pushkar Karnik	BE	Coursera	Air Pollution - A Global threat to our Health	One Day	23/07/20
47	Sarkule Sameeryasin Maliksaheb	BE	Coursera	Oil & Gas Industry Operations and Markets	One Day	29/09/20
48	Sawan Bhat	BE	Coursera	Oil & Gas Industry Operations and Markets	One Day	26/07/20
49	Sayyed Mohd Afghan Navroj Ahmad	BE	Coursera	Exploring Renewable Energy Schemes	One Day	22/12/20
50	Shetty Sneha Harish	BE	Coursera	Chemicals and Health	One Day	18/12/20
51	Shinde Rushikesh Dharmraj	BE	Coursera	Natural Gas	One Day	08/03/20
52	Shinde Tukaram Anandrao	BE	Coursera	Social Media and Marketing Strategies	One Day	25/02/20
53	Shoham Pal Chaudhuri	BE	Coursera	Air Pollution – a Global Threat to our Health	One Day	31/07/20
54	Shubham Kashyap	BE	Coursera	Nanotechnology: A Maker's Course	One Day	15/08/20
55	Soor Priya Vithal	BE	Coursera	Write professional emails in English	One Day	13/08/20
56	Suraj Shidagonda Patil	BE	Coursera	Safety in the Utility Industry	One Day	28/08/20
57	Waghmode Ranjeet Jagannath	BE	Internship	Sadguru Sakhar Karkhana,Atpadi	Two week	07/08/20 – 25/0820
58	Yemul Pooja Ramesh	BE	Coursera	Air Pollution – a global threat to our health	One Day	14/09/20

59	Bandivadekar Parth Rajiv	BE	Coursera	Programming for everybody (Getting started with Python)	One Day	25/08/20
60	Ghalke Ashish Sunil	BE	Coursera	Chemicals and Health	One Day	11/02/21
61	Kapse Deepak Rajan	BE	Internship	Solar Industries India Ltd	One Day	07/09/20
62	Khaire Vishal Kisan	BE	Coursera	Introduction to Petroleum Engineering	One Day	16/03/21

- ## Placement, Higher Studies, Self Employment

Sr. No.	Year	2020-21	2019-20	2018-19
i	Total No. of students placed including off campus	12	23	24
ii	No. of students going for higher studies	4	6	10
iii	No. of students self employed	0	0	0
iv	Total (I + ii + iii)	16	29	34
v	Total students in final year	60	60	60
vi	% placement $= \dfrac{i + ii + iii}{v}$	**26.66**	**48.33**	**56.66**

Sr. No	Placement date	Name of Company	No of student placed
1	Mar 21	TUV India Pvt Ltd	1
2	April 2021	Radiant Heat Exchanger Private Limited	1
3	May 2021	Kwality Paints and Coating Pvt. Ltd.	1
4	Aug 2021	Praj Industries Limited	3
5	Aug 2021	Marcuras Water Treatment India Pvt Ltd	1
8	Aug 2021	Honeywell Automation India Limited	2
10	Sep 2021	Alchemie gases and chemical Pvt Ltd	1
11	Sep 2021	Amalgam Biotech	1
12	Sep 2021	Attaquant Enterprises Pvt. Ltd.	1

- **Students Achievements:**

- **Co-Curricular Activities:**

Sr. No.	Name of Student	Title of Competition	Organizer	Performance
1	Chris Tomsy	Cyclone of Ideas Competition	Team Shuruaat	1st Rank
2		Science talk	Team Shuruaat	2nd Rank
3		Aatmanirbhar Bharat Startup Competition	AISSMS,Pune	Finalist (Among top 10)
4		Changemaker Program	Sustain and Save	3rd rank
5		Campus Ambassadors Competition	IIM Bangalore Eximius	Best Co – Manager
6		Writing competition	Talegram by Quepinch	17th Rank
7		National Level Paper Presentation Competition-	EUREKA 2k21 by TKIET Waranagar	2nd Rank

- **Student Activities**

  - **Events Organized:**
  - **A) Expert Sessions**

Sr. No	Topic for Guest Lecture	Name of the Resource Person	Date
1	Fouling in Heat Exchangers	Mr. Parag Patil	31/10/2020
2.	Operating Training Simulator	Mr. Babasaheb N.Londhe	31/10/2020
3.	Chemical Engineering & Project Management	Mr. Ganesh Gajare	30/05/2021

- **Glimpses of The Sessions**
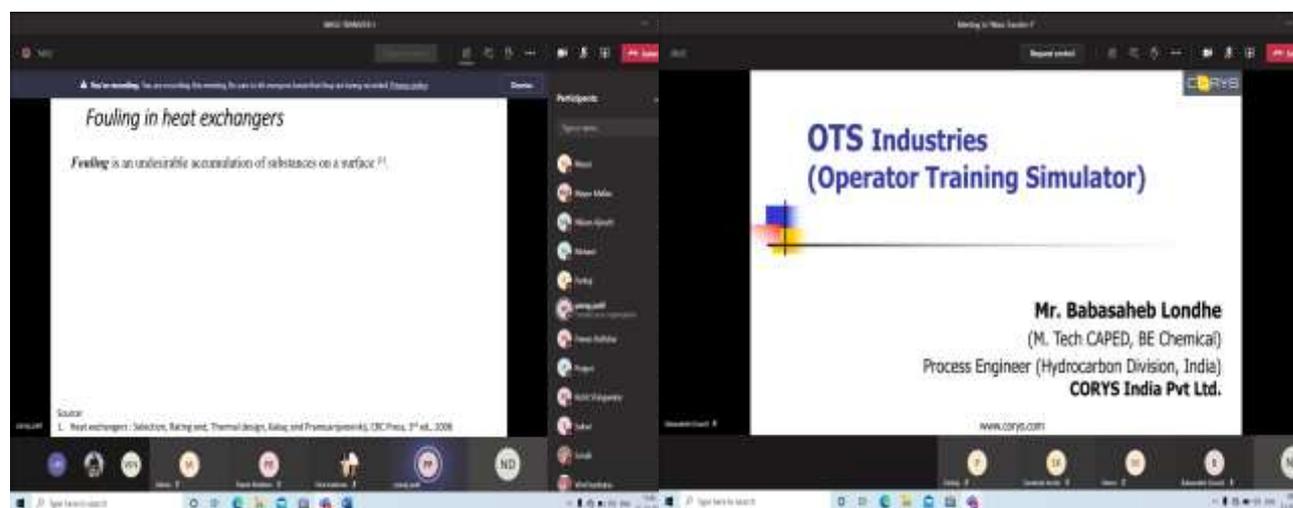
Mr. Prag Patil delivering his lecture through Online mode.

Mr.Babasaheb Londhe addressing the students on OTS

Mr. Ganesh Gajare Delivering His lecture on Chemical Engineerin & Project Management

Annual Academic Audit Report

Semester I & II: 2020-21

Department of Civil Engineering

STES Sinhgad College of Engineering

Vadgaon (Bk), Pune – 41

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1. Mission

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conductive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

2. Quality Policy

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty and healthy atmosphere with decent discipline.

3. Goals

- **Long Term Goals**

1. To establish Research Centre as Centre of Excellence in Engineering Research and Development

2. To seek Academic Autonomy leading to University status

3. To develop an Engineering Knowledge Centre of Society in general

4. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials

etc.

- **Short Term Goals**
1. To add new Post Graduate and Ph.D. programs

2. To motivate and depute faculty for Doctoral Programs

3. To improve the interaction with institutes of national and international repute and industries from various

fields of engineering

4. Students Intake

UG Intake:

Sr. No	Program	No. of Seats
1.	Civil Engineering	120+60*
	Total	**180**

*Second shift

PG Intake:

Sr. No.	Program	No. of Seats
1.	ME Structure Engineering	18
2.	ME Environmental Engineering	18
	Total	**36**

Ph.D. Intake:

Sr. No.	Department	No. of Students Registered for Ph.D.
1.	Civil Engineering	Nil
	Total	**Nil**

5. Activity Plan of Departments

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface
- Teaching Plan - Attendance - Teacher Guardian Scheme - Mock Online exams - Value addition Programmes - Student Training Programmes (STP) - Feedback - Unit Tests, Prelims - Well defined Internal Assessment Scheme - Engineers Day - BE Project Competition	- Employability Improvement - AMCAT - Technical Presentations - Soft Skills training - Invited talks by Industry Experts/ academicians - Technical quiz / Technical festivals - Industry Projects / Project exhibitions - Industry visits - Alumni Meet (Active Central and Departmental Alumni Committee makes good bridge between students and ex-students to enhance good qualities of students by conducting periodic meetings with Alumni) - Teachers' Day	- In-house Training (Personal Interactions, Meetings / quality improvement programmes) - Industry exposure - Participation in workshops conducted by Industries / other institutes of eminence - Motivation for higher Education - Campus Connect / extension programmes - Industrial visits - Training & Placement Activities - Seminars & Conferences - Train the Trainers Program - Vocational Training for students/Industrial visits

| ● BE Farewell function (Farewell function is arranged in the month of March at Departmental level in which all the students and faculty members remain present. It gives lifetime memory to passing out students)

● Social / Cultural Programs/ Sports |

6. Faculty Position

Sr. No.	Department	Professors	Associate Professor	Assistant Professor	Total
1.	Civil Engineering	5	2	31	38
	Total				

7. Faculty Qualification

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc.	BE/B.Tech.	Total
1.	Civil Engineering	10	28	Nil	38
	Total				

8. Faculty Pursuing Ph.D.

Sr. No.	Department	Pursuing Ph.D.
1.	Civil Engineering	9
	Total	

9. Research Activities:

● **Research projects**

a. Industry /NGO/Govt. – Sponsored ongoing projects undertaken by Faculty

Sr. No	Title	Name of funding / Sponsoring agency	Total grant sanctioned

1	Design & Drawing for Stabilisation Tank at Bibawewadi for Poona Medical MIssion's Sisters Society at Bibawewadi (3rd Phase project)	Poona Medical MIssion's Sisters' Society Bibawewadi	Rs.20,000 (to be claimed by Appa Patwardhan Sanatha DEhugaon)
2	**Study of decentralised on site waste management system for multi storied building including process optimisation and their impact on environment and carbon footprint (2016-18)**	1,75,000	
	Influence of fibre strength on fracture characteristics of normal and high strength concrete. (2016-18)	1,40,000	
	Behaviour of concrete column confined with fiber composites loaded eccentrically.(2016-18)	1,30,000	

b. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant Sanctioned

1	Study of decentralised on site waste management system for multi storied building including process optimisation and their impact on environment and carbon footprint (2016-18)	
2	Rainfall Forecasting Using Hybrid Wavelet-Neural Network Approach - A Case Study on Khandala and Lohgaon Raingauge (2016-18)	40000
3	Influence of fibre strength on fracture characteristics of normal and high strength concrete. (2016-18)	
4	Behaviour of concrete column confined with fiber composites loaded eccentrically.(2016-18)	

c. Student ongoing Research Projects

Sr. No	Title	Sponsoring agency
1	Assessment of the condition of building during hand over stage using Total Building Performance approach	Kanchan Construction Company
2	**Building Evaluation & Diagnostics**	Kanchan Construction Company

● **R&D, Consultancy and Grants:(For the academic years 2020-21)**

Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
Civil Engineering	1	Rs.20,000 (to be claimed by Appa Patwardhan Sanatha Dehugaon)	
Total	**1**		

● **List of Publications – Journals**

Sr. No.	Department	Number of Publications
1.	Civil Engineering	11

		Total	11

● **Research publications in Journals notified on U.G.C. Website**

Sr. No	Title of paper	Name of Publication	Impact factor of Journal	Citations of Paper
1	Environmental & economic assesment of proposed on-site wastewater management system in multi-storey residential building	Water Science & Technology, IWA Publushing		
2	Charts for Sizing Surge Anticipating Valve in Rising Mains	International Journal of Recent Technology and Engineering (IJRTE)		
3	Modal Stability of High Rise Building with Irregular Plan Configuration under Seismic Loads	International Journal of Advances in Engineering Research		
4	Study of Optimistic Location of Soft Story in High Rise RC Building	International Research Journal of Engineering and Technology		
5	Feasibility study of discarded footwear used to eradicate potholes: A review	Journal of Emerging Technologies and Innovative Research		
6	Projection of Temperature and Precipitation using Multiple Linear Regression and Artificial Neural Network as a Downscaling Methodology for Upper Bhima Basin	International Journal of Recent Technology and Engineering (IJRTE)		
7	Geomorphological Signatures of Kal River, Raigad District, Maharashtra.	International Journal of Research and Analytical Reviews		

8	Resilient Mats for Improved Performance of Rail Track Foundation	Lecture Notes in Civil Engineering		
9	Effect of Node Connection on Behavior of Diagrid Structure	International Journal of Science Technology and Engineering		

- **Research Publications – Conferences :**

Sr. No.	Department	Number of Conferences
1.	Civil Engineering	6
	Total	6

FDP/STTP/Workshop/Conferences Organized

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Civil Engineering	2+4
	Total	6

FDP/STTP/Workshop/Conferences Attended by Faculty

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	Civil Engineering	28+48+8
	Total	84

- **Workshops / Seminars / Conferences:**

a. No. of Workshops / Seminars / Conferences etc - Organized

Sr. No	Title	Name of Dept.	Period From - To	No. of Participants

1.	Basics of English Communication	Civil	29th July 2020	116
2.	Webinar- Career opportunities in civil engineering	Civil	21st July 2020	130
3.	Webinar- How to write Research Paper	Civil	18th July 2020	1814
4.	Webinar Series 2020 from 06th July to 10th July 2020	Civil	06th July to 10th July 2020	237
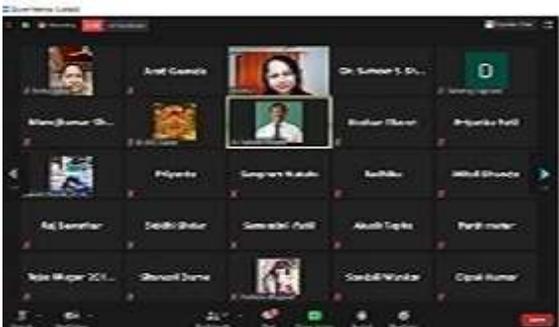
01		
	Vote of thanks proposed by Dr. S. S. Shastri Sir	Group photograph of all participants
03		
	Session on How to Write a Research Paper by Dr. S. N. Londhe Sir	Question & Answer session

b. Faculty participation in Seminars / Conferences / Symposia etc

Sr. No		International Level	National level	State Level	Local

1	Attended only	NIL	07	NIL	24
2	Presented Papers	05	NIL	NIL	NIL
3	Resource Person	NIL	01	NIL	06

c. FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc – Attended by faculty

Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period
1	Dr. S. S. Shastri	Whastapp Based OBE FDP	AICTE Approved	21 days
2	Dr. Mrs. P. M. Alandkar	Innovative Teaching Pedagogy in the Technical Institution		1 week
3		Advances in Civil and Structural Engineering" ACSE 2020	TEQIP-III.	1 week
4	Dr. S. D. Khandekar	Recent Advances in Civil Engineering	TEQIP-3	1 week
5	Dr. S. D. Khandekar	Induction/Refresher Program on 'Mathematical Modelling'	AICTE-ISTE	
6	Dr. S. D. Khandekar	Improving Excellence in Teaching	AICTE-ISTE	1 week
7	Dr. S. D. Khandekar	NBA Accreditation and Teaching Learning in Engineering	AICTE	1.5 week
8	Dr. S. D. Khandekar	Fuzzy logic and neural network	AICTE	1 week
9	Dr. S. D. Khandekar	Introduction to Soft Computing	AICTE	1 week
10	Dr. S. D. Khandekar	Water conductor systems for hydropower projects	CWPRS	2 days

11	Dr. S. D. Khandekar	Recent Trends in Water Engineering	AICTE-QIP	1 week
12	Dr. M. N. Bajad		All India Council For Technical Education, New Delhi – Quality Improvement Scheme (AQIS)	1 week
13	Dr. M. N. Bajad	"Research Methodology and Techniques"		1 week
14	Dr. J. P. Bhusari	Recent Advances in Civil Engineering	TEQIP-III	1 week
15		Recent Advances in Forensic Analysis of Sub and Super Structures- Transportation Engineering Phase II	AICTE	1 week
16		Bridge Engineering: Design, Execution, Maintenance & Rehabilitation	In association with IIBE	1 week
17		Repair & Rehabilitation of Structures	AICTE	1 week
18		Mathematical Modelling	AICTE and ISTE sponsored	1 week
19	Dr. S. S. Angalekar	SUSTAINABLE ENVIRONMENTAL GEOTECHNICS	Civil Engg. Dept.	1 WEEK
20		Recent Advances in Forensic Analysis of Sub and Super Structures - BRIDGE ENGINEERING PHASE III	AICTE	1 week
21		Advances in Additive Manufacturing	AICTE	1 week
22		LATEST ADVANCES IN CONCRETE TECHNOLOGY & CONSTRUCTION MANAGEMENT "	TEQIP-III	1 WEEK

		(LACTCM-2020)		
23		Electro-Mechanical Systems	TEQIP-III	1 WEEK
24		Software Application and Research in Civil Engineering	ISTE	1 WEEK
25		BRIDGE ENGG.- DESIGN, EXECUTION, MAINTAINANCE & REHABILITATION	IIBE, PUNE CHAPTER	1 WEEK
26		Recent Advances in Forensic Analysis of Sub and Super Structures	AICTE	1 WEEK
27		Repair & Rehabilitation of Structures	AICTE	1 week
28		Emerging Trends in Deep Learning and Its Applications	AICTE	2 WEEK
29		Blockchain and its Applications	AICTE	1 WEEK
30		WIND & EARTHQUAKE RESISTANT DESIGN	AICTE	1 WEEK
31		ADVANCED MEASUREMENT TECHNIQUES	AICTE	1 WEEK
32		EARTHQUAKE ENGINEERING	AICTE	1 WEEK
33		WASTE TECHNOLOGY	AICTE	1 WEEK
34		Green Technology & Sustainability Engineering	AICTE	1 WEEK
35		INDUSTRIAL ENGINEERING TECHNIQUES	TEQIP-III	1 WEEK

36	Dr. D. S. Aswar	Tool and Techniques for Efficient & Effective Teaching Learning	AICTE, ISTE	1 Week
37		Environmental Crisis and Sustainable Development	TEQIP-3	1 week
38		Quantum Geographic Information System	IIT, Bombay Spoken Tutorials	1 week
39		Bridge Engineering: Design, Execution, Maintenance & Rehabilitation	IIBE, PUNE CHAPTER	1 WEEK
40	Mr. D. K. Rajmane	Quantum geographic Information system	IIT, Bombay	1 week
41		Machine Learning and Its application to CivilEngineering	TEQUIP-3	1 Week
42		Advance Technology in Water Resources Management	TEQIP-3	1 Week
43		Mathematical Modelling	AICTE and ISTE sponsored	1 week
44		Improving Excellence in Teaching	AICTE and ISTE sponsored	1 week
45		Recent Trends in Water Engineering	AICTE sponsored	2 week
46	Mr. M. V. Bhogone	Bridge Engineering: Design, Execution, Maintenance & Rehabilitation	In association with IIBE	1 week
47		Promoting Quality Culture in Technical Institutions	IQAC & UGC	1 week
48		Advanced Teaching Tools, Techniques and Methodologies for Outcome Based	ISTE & IEI	1 week
49		Outcome Based	AICTE	1 week

		Education: A Step Towards Excellence		
50		Recent Advances in Civil Engineering	TEQIP III	1 week
51		Repair & Rehabilitation of Structures	AICTE	1 week
52		Mathematical Modelling	AICTE and ISTE sponsored	1 week
53	Dr. P. B. Kodag	Recent Advances in Civil Engineering	TEQIP-III	1 week
54		Outcome Based Education: A step Towards Excellence	AICTE	1 week
55		Advances in Civil and Structural Engineering	TEQIP-III	1 week
56	Dr. (Mrs.) M. M. Magdum	Bridge Engineering: Design, Execution, Maintenance & Rehabilitation	In association with IIBE	1 week
57	Mrs. D. R. Vaidya	Recent advances in Civil Engineering		1 week
58		Research and Practices in Civil Engineering (RPCE-2020)"	TEQIP-III	1 week
59		"Teaching learning Padagogies"	AICTE	1 week
60		Research Proposal, Funding Agencies, Product	ISTE	2 week

		Development and Consultancy"		
61	Mrs. S. P. Kulkarni	Recent advances in Civil Engineering	TEQIP-III	1 week
62	Mrs.S.A. Mishra	Recent Modelling Approaches in Water Resources Engineering	TEQUIP III	1 week
63	Mr. N. P. Patki	Advances in Building Designs: Pre Engineered Design Methodology and Limit State Design Applications	AICTE and ICI	2 week
64	Mrs. A. A. Taware	Research and Practices in Civil Engineering (RPCE-2020)"	TEQIP-III	1 week
65		Computational Intelligence in Earthquake Resistant Design	AICTE	1 Week
66		Research Methodology and Data Analysis	AICTE and ISTE	1 Week
67	Ms. S.S. Hailkar	Recent Modelling Approaches in Water Resources Engineering	TEQUIP III	1 week
68	Mrs. R. A. Mohekar	Recent advances in Civil Engineering	TEQIP-III	1 week
69	Mr. L. A. Bhangale	Reasearch in Environmental Engineering ans A way Forward		1 week
70	Ms. M. M. Sawant	Environmental Crisis and	TEQIP-3	1 week

		Sustainable Development		
71		Tool and Techniques for Efficient & Effective Teaching Learning	AICTE, ISTE	1 Week
72	Mr. A. P. Kapare	Recent Advances in Forensic Analysis of Sub and Super Structures-Transportation Engineering Phase II	AICTE	1 Week
73		Recent Trends in Industry 4.0 Technologies"	ISTE	1 Week
74	Mr. M. M. Kapote	Environmental Crisis and Sustainable Development	TEQIP-III	1 Week
75		Tools & Techniques for Efficient & Effective Teaching Learning	AICTE - ISTE	1 Week
76		Computational Intelligence in Earthquake Resistant Design	AICTE	1 Week
77		Digital Transformation & Pedagogies		
78	Mrs. P. V. Shinde	Bridge Engineering: Design, Execution, Maintenance & Rehabilitation	In association with IIBE	1 week

79	Mr. M. M. Meshram	Evolution of construction industry to address infrastructure challenges	In Association with Superior construction (INDIANA, USA) & Ultratech cement	01 day
80	Mrs. M. N. Deshpande	Entreprenurship Development	DST Sponsored	2 weeks
81		Bridge Engineering: Design, Execution, Maintenance & Rehabilitation	In association with IIBE	1 week
82	Mr. D. H. Mali	Bridge Engineering: Design, Execution, Maintenance & Rehabilitation	In association with IIBE	1 week
83		REMOTE WORKING PRACTICES IN CONSTRUCTION INDUSTRY DURING COVID-19		1 Day
84	Mr. A. A. Kohale	Faculty Development program and student development program on Practicals in Environmental Engineering-I		2 Day
85	Dr. M. C. Swami	Bridge Engineering: Design, Execution, Maintenance & Rehabilitation	In association with IIBE	1 week
86		REMOTE WORKING PRACTICES IN CONSTRUCTION INDUSTRY	-	1 Day5

		DURING COVID-19		
87	Ms. S. B. Patil	Faculty Development program and student development program on Practicals in Environmental Engineering-I	-	2 Day
88	Dr. S. D. Khandekar	NBA Accreditation and Teaching Learning in Engineering		12weeks
89		Fuzzy logic and neural network		8weeks
90		Introduction to Soft Computing		8weeks

d. FDP/STP/TTT etc -Organized

Sr. No	Name of the faculty	Title of the Programme	Period
1.	Dr. S. S. Shastri, Mrs. Maheshwari Borage	Practicals in Environmental Engineering II	31st Oct-1st Nov 2020
2.	Dr. J. P. Bhusari, Prof. M. V. Bhogone	Bridge Engineering, Design, Execution & Rehabilitation	13th July to 17th July 2020

10. University Results

- **Give the Percentage of university results without backlog / ATKT for the last four years**
  % Result

Year	Previous P (2020-21)	P-1 (2019-20)	P-2 (2018-19)	P-3 (2017-18)

First Year	First Year	AWAITED		22 (common result), 40 (civil result)
			21	
Second Year			97.54	41.75
Third Year		99.46	92.34	58.79
Final Year		98.99	100	77.29

Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE
1.	Civil Engineering	AWAITED	99.46	98.99

11. Value Added courses during current year:

Sr. No.	Title	Date	Conducted by	No. of students participated
1	NIL	NIL	NIL	NIL

12. Memorandum of Understanding (MoUs):

Sr. No.	Department	No of MoUs
1.	Civil Engineering	02
Total		02

Sr. No	Date of the MoU	Name of the Industry / Organization	Purpose	Outcome
1	01/12/2020	Pune Construction Engineering & Research Foundation	To participate in providing inputs to the up gradations/ additions to the course content to suit industry requirements i.e. PCERF to be part of `Industry Institute Cell' of the College for syllabus formation as per Savitribai Phule Pune University (SPPU)	
2	10/12/2020	Ultratech Cement Ltd	1. To promote industry institute interaction. 2. To promote industry driven research and innovation. 3. To promote any other appropriate mode of interaction agreed upon between industry and institution.	

13. Industrial Visits

Sr. No.	Department	No. Industrial Visits
1.	Civil Engineering	NIL
Total		

Sr. No	Date of Visit	Name of the Industry / Organization	Location	Objective	Outcome
1	NIL	NIL	NIL	NIL	NIL

14. Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Civil Engineering	60	-

- **Field/ Industrial Projects for students during current year**

Sr. No	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
1	Development of Sewers Using 3 D Printing Technology (Technically Sponsored)	04	Zpro Solutions, Pune
2	Analysis and Design of Innovative Formwork Systems	01	Vajay Ghumare, Ex. Vice Precident, Panchshil Group
Total	2	05	

- **Students Internship summary:**

Sr. No	Name of student	Class	Course	Name of Company	Duration	Period
1	Amit Wagh	SE	CIVIL	Malganga Construction pvt Ltd	8 Weeks	01-06-2020 to 01-08-2020
2	Rishikesh Mukhedkar	BE	CIVIL	Private Contcator	8 Weeks	05-07-2020 to 03-09-2020
3	Sayali Chandangiriwar	BE	CIVIL	PWD Gadchiroli	2 Weeks	02-12-2020 to 18-12-2020
4	Vaibhave Dhenge	TE	CIVIL	CWPRS	2 Weeks	10-12-2020 to 24-12-2020
5	Jay Gade	TE	CIVIL	CWPRS	2 Weeks	10-12-2020 to 24-12-2020
6	Adarsha Nimje	TE	CIVIL	Maha Metro	2 Weeks	10-12-2020 to 24-12-2020
7	Shradhha Patil	TE	CIVIL	Maha Metro	2 Weeks	10-12-2020 to 24-12-2020
8	Rohan Jinger	SE	CIVIL	Guruveshwar Consultant Pvt.Ltd	4 Weeks	20-12-2020 to 20-01-2021
9	Gaurav Mohan Jain	SE	CIVIL	PWD Jalgaon	3 Weeks	01-02-2021 to

						28-02-2021
10	Mayur Patil	BE	CIVIL	Lok Sabha Internship	12 Weeks	08-02-2021 to 08-05-2021
11	Anamika Ghorpade	BE	CIVIL	Maha Metro	2 Weeks	15-02-2021 to 06-03-2021
12	Sakshi Hulawale	TE	CIVIL	Maha Metro	4 Weeks	26-02-2021 to 30-03-2021
13	Nikita Pagire	BE	CIVIL	Irrigation Ahemadnagar	2 Weeks	08-03-2021 to 22-03-2021
14	Nikita Pagire	BE	CIVIL	Irrigation Ahemadnagar	2 Weeks	23-03-2021 to 06-04-2021
15	Yati Pawar	TE	CIVIL	Maha Metro	4 Weeks	07-01-2021 to 06-02-2021
16	Aradhya Kulkarni	TE	CIVIL	Maha Metro	4 Weeks	07-01-2021 to 06-02-2021
17	Rishikesh Zhende	TE	CIVIL	Maha Metro	4 Weeks	07-01-2021 to 06-02-2021
18	Aishvary Wagh	TE	CIVIL	Maha Metro	4 Weeks	07-01-2021 to

						06-02-2021
19	Avinash Hake	TE	CIVIL	Maha Metro	4 Weeks	07-01-2021 to 06-02-2021
20	Sushant Potdar	TE	CIVIL	Maha Metro	4 Weeks	07-01-2021 to 06-02-2021
21	Gorakh Wakade	TE	CIVIL	Maha Metro	4 Weeks	07-01-2021 to 06-02-2021
22	Rahul Mane	TE	CIVIL	Maha Metro	4 Weeks	07-01-2021 to 06-02-2021

- **Students Internship details:**

Sr. No.	Department	No of Internship by students	
		UG	**PG**
1.	Civil Engineering	22	-

15. Student Training Program in the department:

Descriptive information within 500 words

Value Added Programs (STP 5)

AY 20 – 21

No programs were conducted due to Nationwide Lockdown.

16. Training and Placement Activities

For the Batch of 2020-21 Sinhgad Institute following trainings, webinars were arranged.

Training:

1)Soft skills session

2) Barclays GTT Training

3) Aptitude Tests

4) AMCAT

Webinars:

1) How to prepare for campus placements by Barclays

2)Online Foreign langauge education webinar

Companies visited:

1)Cognizant

2) Accenture

3)Neilsoft

17. Placement, Higher Studies, Self-Employment

Sr. No.	Year	2020-21	2019-20	2018-19
i	Total No. of students placed including off campus		07	23
ii	No. of students going for higher studies	19	18	14
iii	No. of students self employed		02	05
iv	Total (I + ii + iii)		27	42
v	Total students in final year	199	191	229

Sr. No	Placement date	Name of Company	No of student place
1	22/5/2021	Infosys	4
2	10/01/2021	TCS	1
3	26/7/2021	Transrail	1
4	18/5/2021	Raja Software Labs	2
5	13/3/2021	Bholasingh Jaiprakash Construction ltd	1
6	18/6/2021	Road Development Corporation	1
7	01/08/2021	Mittal Group	1

18. Students Achievements: NIL due to Covid Situation

Sr. No.	Name of the Student	Activity	Organizer	Prize/Rank
1				

Department of Computer Engineering Annual Academic Audit Report Semester I & II: 2020-21

STES Sinhgad College of Engineering

Vadgaon (Bk), Pune – 41

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VISION

To be among the noble contributors towards society by achieving excellence in academics and research, and inculcating human values within every individual.

1. MISSION

To create ample opportunities and ambience, in which individual's prowess can be enhanced to achieve peak of success.

2. QUALITY POLICY

We the faculty, staff and students are committed and dedicated to ensure state of art quality in engineering education through the mold of ethics, social responsibilities, eco-system awareness and nationalistic proud.

3. GOALS

- **Long Term Goals**
  - To elicit competent leaders by facilitating an environment to discover, and unleash the technical potential dwelling within an individual.
  - To develop state-of-the-art research center, to induce thirst of knowledge and research in every student and professional.
  - To achieve academic excellence and offer valued services by strengthening institute –industry collaborations.
  - To sow the spirit of entrepreneurship in the disciples.
  - To insists for the realization of an accountability of a civilized

- **Short Term Goals**
  - To commence research center and doctoral program.
  - To buildup strong interaction with industry for collaborative efforts, projects and newest technology based training.
  - To intensify technical exposure to students by means of professional courses, certifications and various activities.

4. Students Intake:

UG Intake:

Sr. No	Program	No. of Seats
1.	Computer Engineering (shift-1 & 2)	120+*60

*- 2nd Shift

PG Intake:

Sr.No.	Program	No. of Seats
	NIL	NIL

Ph.D. Intake: NIL

5. Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface
• Teaching Plan • Self-Learning Sessions. • Attendance • Teacher Guardian Scheme • Mock Online exams • Value addition programmes • Student Training Programmes (STP) • Open Feedback • Unit Tests, Prelims • Well defined Internal Assessment Scheme • Engineer's Day • BE Project Competition	• Employability Improvement • AMCAT • Technical Presentations • Soft Skills training • Invited talks by Industry Experts/ academicians • Technical quiz / Technical festivals • Industry Projects / Project exhibitions • Industry visits • Alumni Meet • Teachers' Day • BE Farewell function • Social / Cultural Programs/ Sports	• In-house Training (Personal Interactions, Meetings / quality improvement programmes) • Industry exposure • Participation in workshops conducted by Industries / other institutes of eminence • Motivation for higher Education • Campus Connect / extension programmes • Industrial visits • Training & Placement Activities • Seminars & Conferences • Train the Trainers Program • Vocational Training for students/Industrial visits

6. Faculty Positions

Sr. No.	Professors	Associate Professor	Assistant Professor	Total
1	01	04	22	27

7. Faculty Qualifications

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc.	BE/B.Tech.	Total
1.	Computer Engineering	02	25	-	27

8. Faculty Pursuing Ph.D.:

Sr. No.	Department	Pursuing Ph.D.
1.	Computer Engineering	11

9. Research Activities:

Sr. No.	Department	No. of R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1	Computer Engineering	NIL	NIL	NIL

• List of Publications

F. Research Publications in Journals

Sr. No.	Department	Number of Publications
1.	Computer Engineering	23

Sr. No	Title of paper	Name of Publication	Name of Authors	Impact factor of Journal	Citations of Paper
1	Trust based Secure Routing using Cross layer for Heterogeneous Environment in WSN	International Journal of Emerging Trends in Engineering Research	M. R. Dhage	3.03	
2	Image Focus Measure by Wavelet Transform with Gaussian Derivative and Spatial Frequency and Image Enhancement Using Fuzzy Logic	International Journal of Advanced Trends in Computer science and Engineering	Jyoti B. Kulkarni, Dr. C. M. Sheela Rani	**2.3**	
3	Privacy Policy Summarization and Detection of Unfair Clauses	International Journal of Embedded Systems and Emerging Technologies	Jyoti B. Kulkarni, Stuti Biyani, Divyank Agarwal, Rohit Awate, Pranav Barve	4.898	
4	Employee Attrition Prediction	Mukt Shabd Journal	Prasad, Jayashree, Prathamesh Shinde, Manodnya Gaikwad, Tanmay Mahindrakar, and Sohan Kakatkar., JUNE/2020, ISSN NO:		

			2347-3150, May 2020.		
5	Fake New Identification on Social Media	International Journal of Engineering Research & Technology (IJERT)	Moin Khan, Rishi Chouhan, Amisha Jain, Sakeeb H. Sheikh	**7.87**	
6	"AI-Based Yoga Pose Estimation for Android Application"	International Journal of Innovation science and Research Technology	Girija Gireesh Chiddarwar; Abhishek Ranjane	6.253	
7	Downsizing the Semantic Gap in Contextual Image Retrieval System Using Superintend Gross Silhouette Descriptor	International Journal of Software Innovation	Chiddarwar, Girija G. and S.Phani Kumar	**0.68**	
8	Synopsis of Plant Disease Detection Methodologies and their effect on Environment (JoEECC)	Journal of Energy Environment and Carbon Credits	Dhanashri N. Patil2, Kaustubh Wani1	SJIF: 4.312	
9	"Performance Analysis of Dimensionality Reduction Techniques in Cancer Detection using Microarray Data"	Ascian Journal of Convergence in technology	Swati B. Bhonde, Jayashree R Prasad,	5.71	
10	Electronic Health Record system using Blockchain	Journal of Emerging Technologies and Innovative Research (JETIR)	Jyoti B. Kulkarni, Soham Sagade, Atharva Lonkar, Param Sonawane, Abhishek Deshmukh,	7.95	
11	My Lawyer : Digitalized Law System	Journal of Emerging Technologies and Innovative Research (JETIR)	Jypti B. Kulkarni, Atharv Phadnis, Shubham Raut, Kunal Patil, Sarvesh Katneshwarkar	7.95	
12	Survey on "Laxmanrekha-Woman Safety And Alert System"	International Journal of Scientific Research & Engineering Trends , , ISSN (Online): 2395-566X	G.G.Chiddarwar	3.24	
13	Detection of Diabetic Retinopathy using Machine Learning	International Research Journal of Engineering Technology	kirti Satpute,Arsh Pakhare,Gaurav Gaikwad,Kunal Warudkar,Vishal Bhat	7.529	
14	Enhancing lifetime of wireless multimedia sensor networks using modified lion	Data Technologies and Applications	Mahesh P. Wankhade	0.746	

	algorithm–based image transmission model				
15	Hybrid model-based Image Transmission for Maximizing Network Lifetime in Wireless Multimedia Sensor Networks	International Journal of Wavelets, Multiresolution and Information Processing	Mahesh P. Wankhade	0.463	
16	Video Copyright System using Digital Watermarking	International Journal of Computer Engineering and Applications	kirti Satpute,Swaraj kulkarni,Abhishek Anand,Girish Nile,Kishor Biradar	6.1	
17	Identification of Spam Profile and Fake Users for Twitter	International Journal of Scientific Research in Engineering and Management (IJSREM)	Gunjan Gupta , Ranjit More , Sayali Sudhakar Tembe ,Jayanti Kamalasekaran	4.106	
18	Device Classification-Based Context Management for Ubiquitous Computing using Machine Learning	International Journal of Engineering and Advanced Technology (IJEAT)	Nalini Mhetre	5.97	
19	Electronic health records access system using hyper ledger fabric	International Research Journal of Engineering and Technology (IRJET)	Nalini Mhetre	7.529	
20	Online Shopping Analysis and Product Price Comparison using Web Mining and Machine Learning	International Research Journal of Engineering and Technology (IRJET)	Nalini Mhetre	7.529	

G. Research Publications in International Conferences

Sr. No.	Department	Number of Conferences
1.	Computer Engineering	26

Sr. No.	Title and other Details of Paper	Authors Name	Conference Name	Date
1.	Personal Shopping Assistant	D.N. Patil	International Conference on Pervasive Computing (ICPC-2020),	13-14th Feb 2020
2.	Plant disease detection	D.N. Patil	International Conference on Pervasive Computing (ICPC-2020), 13-14th Feb 2020	13-14th Feb 2020
3.	Book Recommendation system	D.N. Patil	International Conference on Pervasive Computing (ICPC-2020), 13-14th Feb 2020	13-14th Feb 2020
4.	Accident Prevention System based on IoT	D. N. Patil, Animesh Jha	International Conference on Pervasive Computing	13-14th Feb 2020

Sr. No.				
			(ICPC-2020), 13-14th Feb 2020	
5.	Secure Adaptive Request Zone based Routing Protocol for MANET	G. T. Chavan	International Conference on Pervasive Computing (ICPC-2020), 13-14th Feb 2020	13-14th Feb 2020
6.	Predicting Best Team based on Player performance and formation -machine learning approach	S. A. Joshi	International Conference on Pervasive Computing (ICPC-2020), 13-14th Feb 2020	13-14th Feb 2020

H. Research Publications in National Conferences: NIL

Sr. No.	Title and other Details of Paper
1.	NIL

- ## FDPs/STTPs/Workshops/Conferences Organized

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Computer Engineering	08

Department has organized following events in the academic year 2020-21:

Sr. No	Name of the program / Seminar / Workshop	Date / Duration
1.	FDP on R Programming	15-25 July 2021
2.		
3.		

- ## GLIMPSES OF TECHTONIC-2021

Not conducted due to Covid

- ## STTPs/Workshops/Conferences Attended by Faculty

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	Computer Engineering	169

Sr. No.	Name of Faculty	STTP/Workshop/Conference Attended	Title of Program	Place	Date
1.	Swati A. Joshi	FDP	Python Programming	Dept. of Electronics ,IITDM , Jabalpur	7-09-20to 18 -09-20
2.	Swati A. Joshi	FDP	Artificial Intelligence using Python	IOIT , Pune	14-09-2020 to 19-09-2020
3.	Dhanashri N. Patil	FDP	One Day Online FDP on " Fundamentals of Data Structures "(SE 2019 Course)	Online	3rd July 2020
4.	Dhanashri N. Patil	Conference	2nd International conference on emerging technologies in Data mining and information security (IEMIS)-2020	Online	4th July 2020
5.	Dhanashri N. Patil	FDP	One day Online FDP on "Data Structure Laboratory"	Online	8th July 2020.
6.	Dhanashri N. Patil	STTP	IT for sustainability	Online	15th Jun-26th Jun 2020
7.	Dhanashri N. Patil	Workshop	Introduction To Python	Online	16th -20th Jul 2020
8.	Dhanashri N. Patil	FDP	Applications of Image Processing	Online	14th -18th July 2020
9.	Dhanashri N. Patil	FDP	AI and Data Science	Online	22 - 26 July 2020.
10.	Dhanashri N. Patil	STTP	AICTE sponsored 1 week STTP on "Tableau– Data Visualization Tool For Researchers	Online	27th July to 01st August 2020
11.	Dhanashri N. Patil	FDP	Machine Learning Using Python	Online	10th – 14th August 2020
12.	Dhanashri N. Patil	STTP	Cognitive Computing	Online	20th-25th July 2020
13.	Dhanashri N. Patil	STTP	Recent trends in Deep Learning (RTIDL-2020)	Online	4th -8th Sept 2020
14.	Dhanashri N. Patil	Workshop	Advance Structure and Semantics Designing of Web Applications	Online	14th -18th Sept
15.	Dhanashri N. Patil	Webinar	Engineering Education	Online	05 September 2020

16.	Dhanashri N. Patil	Webinar	ELITE 2020 Series-1 on "Cyber Security"	Online	9th July 2020
17.	Dhanashri N. Patil	Induction/Refresher Course	Machine Learning and It's Applications	ICT mode	9th Feb to 15th Feb 2021
18.	Dhanashri N. Patil	Workshop	Research Publication	ICT mode	25/2/2021 to 26/2/2021
19.	Dhanashri N. Patil	FDP	Recent advances in Health 5.0 in line with NEP	ICT mode	22/3/2021-26/3/2021
20.	Dhanashri N. Patil	Orientation/Refresher Course	Use of ICT in Engineering Education	ICT mode	15/3/2021-20/3/2021
21.	Dhanashri N. Patil	Certification	Programming, Data Structures and Algorithms using Python	Online	Jan-Mar 2021
22.	Dhanashri N. Patil	FDP	"Essentials of Linux System Administration	Online	16.04.2021 to 17.04.2021
23.	Dhanashri N. Patil	Orientation/Refresher Course	Online Teaching and Learning Pedagogy	Online	03.05.2021 to 08.05.2021
24.	Nalini Mhetre	Awareness Program	Cyber Security and Data Sovereignity	Online	11-07-2020
25.	Mayuri V Sadaphule	Hands-on Training + Project Build-A-Thon	IBM Hack Challenge and Academic Initiative program-"GuruCool"	Online	28 Sept. 2020 to 06 Oct 2020
26.	Sabanaz Peerzade	STTP	Sensor IoT & Machine Learning	Online	1st June 2020 to 5th June 2020
27.	Tejaswita Vaidya	Webinar	ELITE 2020 Series-1 on "Cyber Security"	Online	9th July 2020
28.	Tejaswita Vaidya	FDP	Faculty Development Program conducted in Data Mining	Online	10 SEPT 2020
29.	Tejaswita Vaidya	Webinar	ELITE 2020 Series-1 on "Multi -Robot Motion Planning"	Online	8th July 2020
30.	Tejaswita Vaidya	Webinar	ELITE 2020 Series-1 on "Dtacube as Paradigm for serving Temporal Data"	Online	14th July 2020
31.	Madhuri Yadav	Webinar	Cloud computing	Online	15th June
32.	Madhuri Yadav	Webinar	Cyber Security	Online	20th June

33.	Madhuri Yadav	FDP	Data Science for Engineering and Problem solving	Online	5th Oct -10th Oct
34.	Madhuri Yadav	FDP	Industry 4.0	Online	28th Dec 20 - 1st Jan 21
35.	Madhuri Yadav	FDP	Cyber Security	Online	18at Jan 21 - 22th Jan 21
36.	Madhuri Yadav	FDP	Blockchain	Online	4th Jan 21- 8th Jan 21
37.	Madhuri Yadav	FDP	Python with Data Structures for Databases, GUI Designing and Web Development	Online	06/01/2021 to 12/01/2021
38.	Girija Chiddarwar	FDP	AI & Data Science sponsored by ISTE	online	22th-26th July 2020
39.	Girija Chiddarwar	STTP	Recent Trends in Deep Learning (RTIDL- 2020)	Online	4th September2020 - 8th September 2020
40.	Girija Chiddarwar	FDP	Application of Image Processing in association with National Centre for coastal Research (NCCR), Ministry of Earth Sciences, Government of India, NIOT campus, Pallikaranai, Chennai	St. Joseph's College of Engineering	14th July 2020- 18th July 2020
41.	Kirti B Satpute	Webinar	ELITE 2020 Series-1 on "Cyber Security"	ONLINE	09-07-2020
42.	Kirti B Satpute	Technical Training Program	Blockchain	ONLINE	14/09/20 to 18/09/20
43.	Kirti B Satpute	Webinar	E-MOBILITY in India	Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru,	26-10-2020
44.	Priyanka D. Bendale	FDP	Python with Data Structures for Databases, GUI Designing and Web Development	Online	06/01/2021 to 12/01/2021

45.	Priyanka D. Bendale	FDP	Data structure and algorithm	online	18-1-2021
46.	Priyanka D. Bendale	FDP	Python3.4	online	20-25April 2020
47.	Jyoti B. Kulkarni	FDP	Online FDP on "Artificial Intelligence"	online	04-01-2021 to 9/1/2021
48.	Jyoti B. Kulkarni	FDP	Online FDP on "Data Sciences"	online	01-12-2020 to 5/12/2020
49.	Jyoti B. Kulkarni	FDP	FDP on "Recent Trends in Computer Engineering and Information Technology"	online	4th Jan to 9th Jan, 2021
50.	Jyoti B. Kulkarni	FDP	FDP on "Python with Data Structures for Databases, GUI Designing and Web Development"	online	6/1/2021 to 12/01/2021
51.	Jyoti B. Kulkarni	FDP	FDP on "Applied Natural Language Processing"	online	18/1/2021 to 23/1/2020
52.	Jyoti B. Kulkarni	FDP	FDP training on "Project Based Learning-II"	online	22-01-2021
53.	Jyoti B. Kulkarni	FDP	SE syllabus FDP on "Data Structures Laboratory"	online	08-07-2020
54.	Jyoti B. Kulkarni	Workshop	Application of Artificial Intelligence in Bioinformatics and Biomedical	online	27/01/2021 to 6/2/2021
55.	Jyoti B. Kulkarni	Seminar	National Education Policy 2020:Perspective	online	26-2-2021
56.	Jyoti B. Kulkarni	FDP	Two-week FDP on "Artificial Intelligence and Ambient Intelligence"	online	15/2/2021 to 27/2/2021
57.	Jyoti B. Kulkarni	FDP-Refresher program (ISTE/AICTE)	"Internet of Things"	online	2/3/2021 to 8/3/2021
58.	Jyoti B. Kulkarni	STTP (AICTE sponsored)	"Predictive Analytics using Artificial Intelligence"	online	15/3/2021 to 20/3/2021
59.	Jyoti B. Kulkarni	Refresher program (ISTE/AICTE)	"Recent Trends in Embedded Systems"	online	18/3/2021 to 24/3/2021
60.	Mayuri V Sadaphule	FDP	Smart Cities	online	07/12/2020 to 11/12/2020

61.	Mayuri V Sadaphule	FDP	An Approach by First Year Engineering Faculty towards Outcome Based Education	online	06/07/2020 to 08/07/2020
62.	Mayuri V Sadaphule	FDP	Project Based Learning II (SE Course 2019)	online	22-01-2021
63.	Mayuri V Sadaphule	FDP	Python with DataStructures for Databases, GUI Designing and WebDevelopment	online	06/01/2021to12/01/2021
64.	Mayuri V Sadaphule	FDP	Industry 4.0	Online	28/12/2020 to 01/01/2021
65.	Mayuri V Sadaphule	FDP	Problem based learning : Real time case studies and industry practices	Online	09/02/2021 to 13/02/2021
66.	Mayuri V Sadaphule	FDP	Python for Data Science	Online	sept-oct 2020
67.	Mayuri V Sadaphule	FDP	Software Engineering (SE Course 2019)	Online	13-01-2021
68.	Madhuri Yadav	FDP	Project Based Learning II (SE Course 2019)	Online	22-01-2021
69.	Madhuri Yadav	FDP	Python for Data Science	Online	Jan-Mar 2021
70.	Sabanaz Peerzade	FDP	Python for Data Science	Online	Jan-Mar 2021
71.	Dr. Jayashree R. Prasad	STTP	Developing Pedagogy for Effective Implementation of Outcome based Education in Engineering Institutes	Online	26th -31st October 2020.
72.	Dr. Jayashree R. Prasad	STTP	Developing Pedagogy for Effective Implementation of Outcome based Education in Engineering Institutes	Online	31st - 5th September 2020.
73.	Dr. Jayashree R. Prasad	STTP	'Machine Learning Using Python'	Online	10th – 14th August 2020
74.	Dr. Jayashree R. Prasad	Certification	Copyrights for Educators & Librarians	Online	February 11 2021.
75.	Dr. Jayashree R. Prasad	Certification	Introduction to Intellectual Property	Online	February 5 2021.
76.	Sabanaz Peerzade	FDP	Block chain Technology and use case	Online	28th December 200 to 2nd January 2021

77.	Sabanaz Peerzade	FDP	Information Security and Digital Forensics	Online	14th December to 19th December 2020
78.	Sabanaz Peerzade	FDP	Python with Data Structures for Databases, GUI Designing and Web Development	Online	06/01/2021 to 12/01/2021
79.	Jyoti B. Kulkarni	FDP	Outcome Based Education and NBA accreditation	online	29/3/2021 to 3/4/2021
80.	Sakeeb H. Sheikh	Certification	Microsoft MTA Certification on "Introduction to Programming using Python"	Online	Sept-Oct 2020
81.	Sakeeb H. Sheikh	Certification	Birlasoft Certificate of Participation	Online	Aug - Sept 2020
82.	Sakeeb H. Sheikh	FDP	Data Science Using Python	Online	28/12/2020 to 30/12/2020
83.	Sakeeb H. Sheikh	FDP	Machine Learning Using Python	Online	10th – 14th August 2020
84.	Jyoti B. Kulkarni	FDP	System Design Methodologies for Embedded, IoT, AI and HPC using Intel FPGA	online	19th - 30th April, 2021
85.	Jyoti B. Kulkarni	FDP	Applied Machine Learning and Data Science	online	17th May - 22nd May, 2021
86.	Jyoti B. Kulkarni	Webinar	Enabling Technologies towards 6G	online	03-05-2021
87.	Dr. Girija G. Chiddarwar	Refresher course	Refresher course on Innovative teaching learning practices and research(ISTE)	online	23rd April 2021 to 29th April 2021
88.	Dr. Girija G. Chiddarwar	FDP	Recent Advances in Health 5.0 in-line with NEP 2020 (TEQIP-III)	online	22nd March 2021 – 26th March 2021
89.	Dr. Girija G. Chiddarwar	Refresher course	Refresher course on Using ICT in Engg. Education (AICTE-ISTE)	online	15th March 2021-20th March 2021
90.	Dr. Girija G. Chiddarwar	STTP	Information security and digital forensics(AICTE)	online	1st Feb 2021- 6th Feb 2021

91.	Dr. Girija G. Chiddarwar	FDP	Python with Data Structures for Databases_GUI Designing and Web Development (ATS Learning Solution)	online	6th Jan 2021-12th Jan 2021
92.	Dr. Girija G. Chiddarwar	STTP	Advanced cyber security investigation (Lead college scheme shivaji university, Kolhapur)	online	14th June – 18th June 2021
93.	Mrs. Jyoti B. Kulkarni	STTP (AICTE sponsored)	Artificial Intellegence and Machine Learning	online	14th June -19 June, 2021
94.	Mrs. Jyoti B. Kulkarni	STTP (NITTTR Kolkatta)	Fuzzy and Rough Set Theory	online	14th June – 18th June 2021
95.	Mrs. Jyoti B. Kulkarni	Natinal Symposium	Online National Symposium on "National Education Policy (NEP)-2020	online	8th June, 2021
96.	Kirti B Satpute	FDP	Industry 4.0	Online	28/12/20. to 1/1/ 2021.
97.	Kirti B Satpute	FDP	Data Structures and Algorithms Laboratory	Online	27-01-2021
98.	Kirti B Satpute	Short Term Training Program(AICTE Sposored)	Machine Learning and its Applications	Online	02/11/2020 to 07/11/2020
99.	Kirti B Satpute	technical training program	Blockchain	Online	04/1/2021 to 9/1/2021
100.	Kirti B Satpute	FDP	PythonwithDataStructuresforDatabases,GUIDesigningandWebDevelopment	Online	06/01/2021to12/01/2021
101.	Kirti B Satpute	FDP(AICTE Sponsored)	Artificial Intelligence and Ambient Intelligence	Online	15/02/2021 to 27/02/2021
102.	Kirti B Satpute	TTP(AICTE Sponsored)	Applied natural Language Processing	Online	18/01/2021 to 23/01/2021
103.	Kirti B Satpute	FDP(AICTE Sponsored)	Blockchain	Online	18/01/2021to 22/01/2021
104.	Kirti B Satpute	Workshop	Research Publication	Online	25/02/21 to 26/02/21
105.	Kirti B Satpute	Workshop	Application of Artificial Intelligence in Bioinformatics and Biomedical Science	Online	27/01/2021 to 6/02/2021

106.	Kirti B Satpute	FDP(AICTE Sponsored)	IoT(Internet of Things)	Online	2/03/2021 to 8/03/2021
107.	Kirti B Satpute	Induction/Refresh programme	Role of ICT in Teaching and Learning Process	Online	5/05/21 to 11/05/21
108.	Mahesh P. Wankhade	STTP	NBA Accreditation and SAR Preparation	Online	27/4/2020 to 1/5/2020
109.	Mahesh P. Wankhade	FDP	Outcome Based Education: A Step Towards Excellence	Online	11/5/2020 to 15/5/2020
110.	Nilesh G Bhojne	AICTE-ISTE Sponsored Refresher Programme	Innovative Teaching Learning Ractices & Research	Online	23/04/2021 to 29/04/2021
111.	Nilesh G Bhojne	STTP	IT for Sustainability	Online	15/06/2020 to 26/06/2020
112.	Mahesh P. Wankhade	AICTE- ISTE Refresher Course	Scope of IOT and its Applications in Automotive and Agricultural Industry	Online	22/2/2021 to 27/2/2021
113.	Mahesh P. Wankhade	National Level Virtual Seminar	Artificial Intelligence in IOT	Online	6-2-2021
114.	Nilesh G Bhojne	International Faculty Development Program	Emerging Trends in Industry 4.0	Online	18/05/2020 to 29/05/2020
115.	Nilesh G Bhojne	FDP	Technical Teacher's Training	Online	22/05/2020 to 27/05/2020
116.	Jayanthi E	FDP	Industry 4.0	Online	20 to 22nd May 2021
117.	Jayanthi E	FDP	IPR and Fundamental of Patent Filing	Online	8 to 10 june
118.	Jayanthi E	FDP	Future and challenges in Engineering and Technology	Online	14 may to 18 may 2021
119.	Jayanthi E	FDP	Augmented Reality & Virtual Reality	Online	21-25 June 2021.
120.	Jayanthi E	Online symposium	"National Education Policy (NEP) - 2020	Online	8th June
121.	Jayanthi E	webinar	Presentation Skills Using Online Media Platform	Online	44076

122.	Jayanthi E	Webinar	'Stress Management'	Online	23th May 2021
123.	Jayanthi E	Webinar	PSIM Software and its Applications in Power Electronics	Online	44338
124.	Jayanthi E	Webinar	Cyber Security Challenges	Online	25TH MAY 2021
125.	Jayanthi E	FDP	" Research Skills Development "	Online	10th May 2021 to 14th May 2021.
126.	Jayanthi E	Webinar	No Blame No Complain No Excuses	Online	26TH JULY
127.	Jayanthi E	Webinar	Energy Audit and Management	Online	8TH JUNE
128.	Jayanthi E	Webinar	Electrical Wire Harness Design for Vehicle System	Online	13TH JUNE 2021
129.	jayanthi E	webinar	Role of professional students' chapter in enhancing engineering	Online	26TH JUNE
130.	jayanthi	Awarness program	Cybersecurity and data sovereignty	Online	11th July 2020
131.	Shashank P. Bholane	International Faculty Development Program	Emerging Trends in Industry 4.0	Online	18/05/2020 to 29/05/2020
132.	Shashank P. Bholane	FDP	Machine Learning Using Python	Online	10/08/2020 - 14/08/2020
133.	Shashank P. Bholane	FDP	Data Science Using Python	Online	11/05/2020 - 15/05/2020
134.	Shashank P. Bholane	FDP	Moodle Learning Management system	Online	06/07/2020 - 10/0702020
135.	Shashank P. Bholane	FDP	Entrepreneurship: A Way of Thinking	Online	28/09/2020 - 02/10/2020
136.	Shashank P. Bholane	FDP	Data Science for Engineering Problem Solving	Online	05/10/2020 - 10/10/2020
137.	Shashank P. Bholane	Quiz	CORONA Awareness Quiz Program	Online	03-05-2020
138.	Shashank P. Bholane	Quiz	Online Quiz on COVID 19	Online	01-05-2020

139.	Shashank P. Bholane	Seminar	Online Session on How to Improve The Citation and Write Research Papers	Online	01-05-2020
140.	Shashank P. Bholane	Faculty Awareness Program	Faculty Awareness Program on NBA and outcome based education (OBE)	Online	02-05-2020
141.	Shashank P. Bholane	Faculty Awareness Program	Faculty Awareness Program on National Assessment and Accreditation Council (NAAC)	Online	06-05-2020
142.					
143.	S. P. Bholane	FDP	FDP on Advanced C++	Online	27/04/2020 - 01/05/2020
144.	S. P. Bholane	FDP	Python 3.4.3	Online	20/04/2020 - 25/04/2020
145.	S. P. Bholane	FDP	R - Language for analytics and Data Science	Online	27/04/2020 - 02/05/2020
146.	S. P. Bholane	FDP	JAVA	Online	04/05/2020 - 15/05/2020
147.	Nalini Mhetre	FDP	Machine Learning Using Python	Online	10/08/2020- 14/08/2020
148.	Nalini Mhetre	FDP	Industry 4.0	Online	28/12/2020 - 01/01/2021
149.	Nalini Mhetre	FDP	AI- Machine Learning & Optimization	Online	01/02/2021 - 05/02/2021
150.	Nalini Mhetre	FDP	Internet of Things (IoT)	Online	15/02/2021 - 19/02/2022
151.	Nalini Mhetre	STTP	Information security and digital forensics(AICTE)	Online	01/02/2021 - 06/02/2021
152.	Nalini Mhetre	Webinar	5GRaaS	Online	16-01-2021
153.	Nalini Mhetre	FDP	Artificial Intelligence and Ambient Intelligence(AICTE)	Online	15/02/2021 to 27/02/2021
154.	Nalini Mhetre	Webinar	Cloud Computing and visualization	Online	10-07-2020
155.	Nalini Mhetre	Webinar	Build Your Own Machine Learning Model	Online	16-07-2020

156.	Nalini Mhetre	Webinar	Deep Learning Techniques – CNN, R-CNN	Online	09-07-2020
157.	Nalini Mhetre	Webinar	Connected Devices Using Raspberry Pi and Cloud	Online	18-07-2020
158.	Nalini Mhetre	Webinar	The Science & Applications on NLP	Online	08-07-2020
159.	Nalini Mhetre	Webinar	Machine Learning Approaches	Online	09-07-2020
160.	Nalini Mhetre	Webinar	Python Programming & Its Applications	Online	17-07-2020
161.	Nalini Mhetre	Webinar	Renewable Energy Using MATLAB	Online	14-07-2020
162.	Nalini Mhetre	Webinar	Cognitive Radio	Online	20-07-2020
163.	Nalini Mhetre	Webinar	IOT Systems	Online	17-07-2020
164.	Nalini Mhetre	Webinar	AI With Machine Learning	Online	18-07-2020
165.	Nalini Mhetre	Webinar	Person Identifier Using Python and OpenCV	Online	14-07-2020
166.	Nalini Mhetre	Webinar	Understanding AI Tools, Platforms & Services	Online	08-07-2020
167.	Nalini Mhetre	Webinar	Bio Medical Applications Using Deep Learning	Online	16-07-2020
168.					

• Patents and copyrights

Sr. No.	Title of Patent/ Copyright	Applicant	Year of Application	Granted	
1	System for Automatic Detection of Quality of Filter of Air Purifier (Patent)	Mrs. Jyoti B. Kulkarni	8-4-2020	352770	-
2	Smart Innerwearble Device for Women/Child Safety with Automatic Location Tracking and Emergency Dialing Alert System (Patent)	Mrs. Jyoti B. Kulkarni	24-1-2020	347206	-
3	System And Method For Controlling Projection Of Data Packets Of A Remote	Mrs. Jyoti B. Kulkarni	05-07-2020	not yet obtained	-

	Computing Device (Patent)				
4	Concealed Waste Segregation System (Patent)	Mrs. Jyoti B. Kulkarni	04-04-2020	not yet obtained	No
5	An Intelligent Approach for Prediction of Learning Disabilities in Children	Dr. Jayashree R. Prasad	27-01-2021	20903/2020-CO/L	-
6	Attack Resistant Algorithm to Detect Anomalies of Network Layer using Learning Methods in Internet of Things.	Dr. Jayashree R. Prasad	February 2021	5447/2021-CO/L	-
7	An Intelligent Predictive Algorithm for Crop Production using Soil and Metrological Parameters in Agriculture Domain	Dr. Jayashree R. Prasad	February 2021	In Scrutiny	

• R&D, Consultancies and Grants

Sr. No.	Title of Project	Funding Agency	Faculty Incharges	Duration	Grant Sanctioned (in Rs.)	Grant Received (in Rs.)	Project completion (in %)
1.	NIL						

10. University Results

- **Give the Percentage of university results with backlog / ATKT for the last four years**
  % Result

Year	Current (2019-20)	P-1 (2018-19)	P-2 (2017-18)	P-3 (2016-17)
Second Year	100 (Sem-2)	93.82	93.94	94.07
Third Year	96.02 (Sem-2)	94.61	92.45	94.66
Final Year	Pending with univ.	90	94.44	97.66

- **Give the Percentage of university results without backlog / ATKT for the last four years**
  % Result

Year	Current (2019-20)	P-1 (2018-19)	P-2 (2017-18)	P-3 (2016-17)

Second Year	58.38	57.35	64.94	57.20
Third Year	67.66	63.08	70.18	75.72
Final Year	Pending with univ.	90	94.44	95.69

- **University Rank Holders**

Sr. No.	Name of the Student	Year	University Rank
1			
2			

- ## GRE/TOFEL/CAT/GATE – 2019-20 Qualified Students

Sr. No.	Name of the Student	Examination	Score
1	Kunal Patil	GATE	719
2	Amit Raj	GATE	446
3	Kshitji Patil	GATE	268
4	Shubjham Raut	GATE	428
5	Rushikesh Kinikar	GATE	26.12
6	Harshal Choudhari	GATE	370
7	Mohit Patil	GATE	606
8	Harshta Bhosale	GATE	377
9	Nikhil Patil	GATE	350
10	Hattarki Rishab	GRE	322
11	Hattarki Rishab	TOEFL	228

11. Value Addition Programs (VAP) and Expert Sessions conducted

Sr. No.	Department	No of VAPs	No. of Expert Sessions
1.	Computer Engineering		

Sr. No.	Name of VAP	No. of participants	Duration & Date
1.			
2.			

- ## Expert Sessions Organized:

Department of Computer Engineering had organized expert lectures for students:

Sr. No.	Activity Name	Resource person/organized by/ sponsored by	Date of Conduction
1	Seminar ON "PACKET TRACER"	Prof. Digambar Bodake, Assistant Professor	06/02/2021
2	Guest Lecture on "YOGA AND STRESS MANAGEMENT"	Mr. Isaan Singh, Software Engineer	28/11/2020
3	Seminar on " ENGINEERING ECONOMICS"	Dr. Ujjwal Mishra, Associate Professor	02/10/2019
4	Webinar on "PROFILE BUILDING" (Soft Skills)	Shashank P. Bholane Akshay Shitole Akash Goel	22/05/2021 to 23/05/2021
5	Webinar on "What industry wants from fresher's?"	Mr. Punit Vajpeyi, Alumni, SCOE, Comp Dept. and Cofounder of WeMotiveTech Forge, Pune	25/5/2021
6	Yoga, Peace of Mind	Mr. Rajendra Gaikwad, Senior Art of Living Teacher, Pimpri, Pune	8/06/2021 to 10/06/2021
7	Creating Dashboard using Python- Django	Mr. Rajas Chavadekar	21/10/2020
8	Seminar on "PACKET TRACER"	Prof. Digambar Bodake, Assistant Professor	06/02/2021
9	Guest Lecture on "YOGA AND STRESS MANAGEMENT"	Mr. Isaan Singh, Software Engineer,	28/11/2020
10	Workshop on "Selenium"	Mr. Suraj Bankar TCS	

13. Industry Liaison and Visits

Department has strong close liaison with leading industries since more than a decade. This liaison is strengthened with the help of Industry-Institute Interaction Cell (I²IC) and Industrial Visits.

Sr. No	Name of the Department, & Faculty	Class	Name of the industry with address	Date (DD/MM /YY)	Duration	Purpose of the Visit/ Subject

1	NIL					

> ## ➢ Industry-Institute Interaction Cell

Objectives of Industry Institute Interaction Cell:

- To get Sponsorship for projects of under graduate & Post graduate students
- To deliver Guest lecturers in various domain of interest
- To work as External examiner for U.G. and P.G. Project work
- To provide Industrial training to faculty
- To provide Internship to desired students
- To work as a Technical adviser in students projects
- To help in Establishment of incubation unit
- To provide guidance as a Technical adviser in FDP, STTP and conference

List of Industry Cell Members:

Sr. No.	Name of Cell Member	Designation of Cell Member	E-mail Id	Mobile Number
1	Akshay Shitole	CEO	[-](-)	9689168989

• Industrial Visits Nil

Sr. No	Name of the Department, & Faculty	Class	Name of the industry with address	Date (DD/MM /YY)	Duration	Purpose of the Visit/ Subject
1	1.					

14. Projects Completed by the Students

Department	UG	PG
Computer Engineering	55	0
Total		55

15. Placement Details

No. of Eligible students　　　　：
No. of Student Place　　　　　：
Percentage of Students placed　：

Sr. No.	Company	No. of Students Placed

1	Abzooba India Infotech Pvt Ltd	3
2	Accenture	25
3	Cognizant	4
4	eQ Technologic	2
5	FinIQ Consultancy India Pvt. Ltd.	2
6	HSBC Technology India	1
7	Mindtree	1
8	Infosys	1
9	Newgen software	3
10	NICE Ltd	1
11	NVIDIA	1
12	Persistent Systems Limited	17
13	PTC Software India Pvt. Ltd.	4
14	Quick Heal Technologies	1
15	Raja Software Labs	1
16	Saama Technologies	1
17	Xoriant Solutions Pvt. Ltd	2
18	Wipro Technologies Ltd.	1
19	Tata consultancy services	7
20	Snowflake	2
21	Newgen	1
22	Bista Solutions	2
23	Veritas Technologies	2
24	Wipro Technologies Ltd.	1
25	SEIKO/JIO	1
26	Seligent Consulting	1
27	Genius minds and Consulting solutions	1
28	Motifworks	1
29	Atos global	1
30	Accelya group	1
31	Altimetrik	2
32	Neeyamo	1
33	Apisero	1
34	Mphasis Ltd.	1
35	Sankey solutions	1
36	Saama Technologies	1
37	RIA ADVISORY LLP	1

38	Apisero	1
39	SAS	1
40	Instazen	1
41	Jombay	1
42	Qualitia	1
	105	

16. Students' and Faculty Achievements

- **Co-Curricular Activities:**
- **Students Achievements:**

Sr. No.	Name of Student	Title of Competition	Organizer	Performance
1.				
2				
3.				
4.				

- **Faculty Achievement:**

Sr. No.	Name of Faculty	Title of Competition	Organizer	Performance
1.	D N Patil	Awarded with Silver & Elite Tag in Programming, Data structures and Algorithms using Python	NPTEL, IITM	
2	S. S. Peerzade	Awarded with Silver & Elite Tag in Python with Data Science	NPTEL, IITM	
3	Dr. Jayashree R. Prasad	Recognised as one of the **Top 10 autothrs** by **Elsevier SSRN** platform during **COVID pandemic.** These 3 papers were ranked amongst the **Top 10 papers** for several weeks. **The papers are archived in Coronavirus and Infectious Disease Research page and linked to:** **World Health Organization** **PubMed Central® (PMC) is a free full-text archive of biomedical and life sciences journal literature at the U.S. Europe PMC: An archive of life sciences journal literature repositor** Details of these three papers are as follows: I. Preliminary Study of Software Defined Network on COVID-19 Pandemic Use Cases https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3612815 II. Analytical Insights into COVID19 Pandemic Predictions:	ElesevierSocial Science Research Network, recognized by World Health Organization PubMed Central	

		A Machine Learning Perspective https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3604874 III. Predictive Analytics to Combat with COVID-19 using Genome Sequencing https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3580692	® (PMC) Europe	
4	Jyoti B. Kulkarni	Awarded with Elite & Silver Tag in "Python for Data Science"	NPTEL, IITM	
5	Madhuri Yadav	Awarded with Elite Tag in Python with Data Science	NPTEL, IITM	
6	Nalini Mhetre	Awarded badge in Python for Data Science	Issued by IBM	
7	Nalini Mhetre	Awarded badge in Data Analysis Using Python	Issued by IBM	

- **Extra-Curricular**

1] Cultural - NIL

2] Sports

Sr. No.	Name of student	Activity	Organizer	Prize/Rank
1.				
2.				
3.				

- **Events Organized for students:**
  B) Expert Sessions

SR.NO.	EXPERT NAME	Topic	Total Beneficiaries	DATE
1				
2				
3				
4				
5				

B) International Conference on Pervasive and Cloud Computing ICPC-2020 during 13th -14th Feb 2020

C) Technical Competitions:

- **Mini Project Competition for SDL projects**

D) Significant Achievements:

Annual Academic Audit Report

Semester I & II: 2020-21

Department of Electronics & Telecomunication

STES Sinhgad College of Engineering

Vadgaon (Bk), Pune – 41

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Vision:

Department of Electronics & Telecommunication Engineering shall continue to innovate and practice the processes to propel development in engineering education, keeping excellence in focus and render services to match the needs of technical education system, industry and society.

1. Mission:

To create an ambience and provide broad based education where students are urged to develop new ideas and professional skills in equilibrium with the needs of the nation.

2. Quality Policy:

We the faculty, staff and students are committed and dedicated to ensure state of art quality in engineering education through the mold of ethics, social responsibilities, eco-system awareness and nationalistic proud.

3. Goals:

- **Long Term Goals**
    1. To set up Centre of Excellence in the field of VLSI Embedded and Signal Processing
    2. To keep pace with technology and process through industrial training of faculty, staff and students
    3. To establish close association with state of art Universities, Industries and Personalities
    4. To inculcate quality, social, ethical and eco-friendly awareness among the students
- **Short Term Goals**
    1. To intensify industrial training to faculty and staff
    2. To motivate the faculty for qualification up-gradation
    3. To increase number of Memorandums of Understanding (MoU) with industries
    4. To increase number of Patents and Journal publications

4. Students Intake:

UG Intake:

Sr. No	Program	No. of Seats
1.	Electronics & Telecommunication Engineering	180+60*
	Total	**240**

*Second shift

PG Intake:

Sr.No.	Program	No. of Seats
1.	ME VLSI and Embedded System	18

Ph.D. Intake:

Sr. No.	Department	No. of Students Registered for Ph.D.
1.	E&TC Engineering	03

5. Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface
- Teaching Plan - Self-Learning Sessions. - Attendance - Teacher Guardian Scheme - Mock Online exams - Value addition programmes - Student Training Programmes (STP) - Open Feedback - Unit Tests, Prelims - Well defined Internal Assessment Scheme - Engineers Day - BE Project Competition	- Employability Improvement - AMCAT - Technical Presentations - Soft Skills training - Invited talks by Industry Experts/ academicians - Technical quiz / Technical festivals - Industry Projects / Project exhibitions - Industry visits - Alumni Meet - Teachers' Day - BE Farewell function - Social / Cultural Programs/ Sports	- In-house Training (Personal Interactions, Meetings / quality improvement programmes) - Industry exposure - Participation in workshops conducted by Industries / other institutes of eminence - Motivation for higher Education - Campus Connect / extension programmes - Industrial visits - Training & Placement Activities - Seminars & Conferences - Train the Trainers Program - Vocational Training for students/Industrial visits

6. Faculty Position:

Sr. No.	Department	Professors	Associate Professor	Assistant Professor	Total
1.	E&TC Engineering	07	03	31	40

7. Faculty Qualification:

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc.	BE/B.Tech.	Total
1.	E&TC Engineering	16	24	00	40

8. Faculty Pursuing Ph.D.:

Sr. No.	Department	Pursuing Ph.D.
1.	E&TC Engineering	06

9. Research Activities:

- **Research projects**

    a. Industry /NGO/Govt. – Sponsored ongoing projects undertaken by Faculty

Sr. No	Title	Name of funding / Sponsoring agency	Total grant sanctioned
1	NIL		

   b. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned
1.	Adaptive Fuzzy Neural Network Controller for Nonlinear Control System	2,10,000
2	Artifact Identification and Elimination from Brain Activity for Brain Computer Interface	2,10,000

3	Design & performance evaluation of patchwork coding based audio watermarking for signal processing attack.	1,20,000
4	Hardware realization of Wireless Sensor based Parameter Monitoring System	1,60,000

c. Student ongoing Research Projects

Sr. No	Title	Sponsoring agency
1	Convenient Driving System	Techlead Automation and Robotics Pvt Ltd
2	Face Recognition with Cloud Database	Haritpath Pvt Ltd
3	Vehicle Health and Monitoroing System- Engine Oil Management	"Mr. Abhay Kulkarni, Bedrock Microwaves Pvt. Ltd., Address: Flat.No7, 1st floor, S.No. 29/1/D, Sainath Housing Society, Group B, Vadgaon Budruk, Pune- 411041 GSTIN: 27BRBPK5675C1ZT"
4	Implementation of UART analyser on FPGA Board	Defenson private Ltd.
5	Vehicle Monitoring and Tracking System	"Mr. Abhay Kulkarni, Bedrock Microwaves Pvt. Ltd.,

		Address: Flat.No7, 1st floor, S.No. 29/1/D, Sainath Housing Society, Group B, Vadgaon Budruk, Pune- 411041 GSTIN: 27BRBPK5675C1ZT"
6	Compact Metamaterial based antenna for wireless application.	ZinZout Teletech, Pimpri Chinchwad, Pune, Maharashtra
7	A Novel way to reduce Mutual Coupling in MIMO Antenna	ZinZout Teletech, Pimpri Chinchwad, Pune, Maharashtra
8	Touch less temprature monitoring and hand sanitizer with gsm	Espark Infotech
9	live industry inventory tracking system	Sunraj Infotech pune
10	Swarm Robotics	Mythos Technology
11	GUI based Multi-Sensor Industrial Measurement System	Intellore Systems Pvt.Ltd.

- **R&D, Consultancy and Grants:**

Sr. No.	Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1.	E&TC Engineering	NIL	NIL	NIL

- **List of Publications – Journals :**

Sr. No.	Department	Number of Publications
1.	E&TC Engineering	14

- **Research publications in Journals notified on U.G.C. Website**

Sr. No	Title of paper	Name of Publication	Impact factor of Journal	Citations of Paper
1	Stationary wavelet transforms based robust audio Watermarking for authentication	Journal of University of Shanghai for Science and Technology	0.103	-
2	A Compendium of Nature system Inspired MPPT algorithm for Partial Shading in PV systems	Test Engineering and Management	0.101	-
4	An empirical survey of electroencephalography based brain-computer interfaces	Bio-Algorithms and Med-Systems, Degruyter Publication	0.151	-

- ## Research Publications – Conferences :

Sr. No.	Department	Number of Conferences
1.	E&TC Engineering	03

- ## FDP/STTP/Workshop/Conferences Organized :

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	E&TC Engineering	02

- ## FDP/STTP/Workshop/Conferences Attended by Faculty :

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	E&TC Engineering	171

- **Workshops / Seminars / Conferences:**

    a. No. of Workshops / Seminars / Conferences etc - Organized

Sr. No	Title	Name of Dept.	Period From - To	No. of Participants
1	One week online FDP on PYTHON 3.4.3	E&TC	31st May - 4th June 2021	58
2	Seminar on Internet of Things (IoT) by InfiIoT Technologies, Pune	E&TC	9th Feb.2021	17

b. No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No		International Level	National level	State Level	Local
1	Attended only	23	31	05	17
2	Presented Papers	02	NIL	NIL	07
3	Resource Person	11	01	01	05

c. ,FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc – Attended by faculty

Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period
1.	Dr.S. R. Ganorkar	FDP on Python 3.4.3	SCOE ,Pune	31May - 4 June 2021
2.	Dr.S.R.Ganorkar	FDP on Git	Smt. Kashibai College of Engineering, Pune	01-05 June 2021
3.	Dr.S.R.Ganorkar	FDP on AI-ML Prinnciples and Techniques	RMD Sinhgad College of Engineering Warje Pune	14-18 June 2021
4.	Dr.S.R.Ganorkar	FDP on Outcomebased Pedagogy for Effective Teaching & Learning Engineering Education	Sinhgad Collge of Engineering, Pandharpur	14-18 June 2021
5.	Dr S. O. Rajankar	Vlabs- Hands on workshop	AISSMS	18 July 2020
6.	Dr S.O. Rajankar	Algorithm and Techniques for Signal processing	Govt. College of Engineering,Pune	14-18 July 2020

7.	Dr S.O. Rajankar	Machine Learning using Python	Skyfi_Labs	5 Sep -4 Oct 2020
8.	Dr S.O. Rajankar	Web of Science Training and Certification -Basic series 2020	Clarivate group	18 Aug- 25 Sep 2020
9.	Dr S.O. Rajankar	Web of Science Training and Certification -Advanced series 2020	Clarivate group	8 -15 Sep 2020
10.	Dr.A. M. Deshmukh	FDP on 5G Communications	VIIT, Pune	20-24 Oct 2020
11.	Dr. A. M. Deshmukh	TEQIP-III (CoE S&IP) Sponsored FDP on "Algorithms and Techniques for Signal Processing"	College of Engineering, Pune (COEP) and Manipur Technical University (MTU), Imphal	14-18 July 2020
12.	Dr. A. M. Deshmukh	FDP on Advances and Research Opportunities in E/Tc Engg	SVERI College of Engg, Pandharpur	10-14 June 2020
13.	Dr.A. M. Deshmukh	AICTE-ISTE Sponsored One Week Induction / Refresher programme on "Role of ICT in Teaching-Learning Process"	Sanjivani College of Engineering, Kopargaon	19-25th May 2021
14.	Dr.A. M. Deshmukh	(STTP) On "Recent Emerging Trends in Wireless Communication using IoT"	VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, Hyderabad	09- 16-11-2020
15.	Dr.A. M. Deshmukh	STTP On " Signal Analysis, Machine Learning and Its Applications"	RAIT, Navi Mumbai	1-5 June 2020
16.	Dr.A. M. Deshmukh	STTP on " IoT and Its applications in Industry"	RAIT, Mumbai	8-12 June 2020

17.	Dr.A. M. Deshmukh	FDP on "Problem Based Learning"	Rajarshi Shahu College of Engineering, Tathawade, Pune	1- 5th June 2020
18.	Dr.A. M. Deshmukh	FDP on "Disruptive Technologies in Electronics & Communications"	VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, Hyderabad	22 – 27 June 2020
19.	Dr.A. M. Deshmukh	FDP On " 5G Communication"	VIIT, Pune	20-24 Oct 2020
20.	Dr.A. M. Deshmukh	STTP on "Latest Advancements in Antenna Design"	KAVIKULGURU INSTITUTE OF TECHNOLOGY AND SCIENCE, RAMTEK	16-18 July 2020.
21.	Dr.A. M. Deshmukh	FDP on "Al-ML Principles and Techniques"	RMD Sinhgad School of Engg., Pune	14-18June 2021
22.	Dr.A. M. Deshmukh	FDP on "Interactive Teaching Learning Strategies With Affective & Cognitive Approach (ITLS)"	PVG's COET & GKPIM ,Pune	21- 25 June 2021
23.	Dr.A. M. Deshmukh	STTP On "Blockchain Technology & Cryptocurrency"	Nagpur Institute of Technology, Nagpur	25 June -2 July 2021
24.	Dr.A. M. Deshmukh	on " Application of Artificial Intelligence and IoT in Civil Engineering"	Maulana Azad National Institute of Technology, Bhopal	23- 27 March 2021
25.	Dr.A. M. Deshmukh	FDP on "Implementation of Artificial Intelligence for Solving Digital Signal and Image Processing Problems"	VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, Hyderabad	28-Dec -2020 to 11Jan 2021

26.	Dr.A. M. Deshmukh	STTP on "Recent Emerging Trends in Wireless Communication using IoT"	VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, Hyderabad	09- 16 Nov 2020
27.	Dr.A. M. Deshmukh	International Yoga Day	Heartfulness Institute	21 June 2020
28.	Dr.A. M. Deshmukh	Workshop on research Publication	SKN SITS Lonavla	26 Feb 2021
29.	Dr.A. M.Deshmukh	Short Term Training Program on "Latest Advancements in Antenna Design"	KAVIKULGURU INSTITUTE OF TECHNOLOGY AND SCIENCE RAMTEK Dist. NAGPUR	16-18 July
30.	Dr.A.M. Deshmukh	FDP on "Algorithms and Techniques for Signal Processing"	(COEP) and Manipur Technical University (MTU) , Imphal	14 to 18July 2020
31.	Mr.M. N. Kakatkar	Algorithms and Techniques for Signal Processing	College of Engineering, Pune	14- 18 July 2020
32.	Mr. M. N. Kakatkar	Recent Trends in Mechatronics and Automation	NBN Sinhgad School of Engineering	30 June- 4 July 2020
33.	Mr . M. N. Kakatkar	Accreditation to Engineering and Professional Ethics	Government College of Engineering, Nagpur	8 -12 July 2020
34.	Mr .M. N. Kakatkar	Computational Intelligence for Cyber Security	AISSMS IOIT College of Engineering	26 Oct. -2 nov. 2020
35.	Mrs. S.A.Shirsat	FDP on Python 3.4.3	Sinhgad College of Engineering, Vadgaon, Pune	31 May 2021- 04 June 2021

36.	Mrs. S.A.Shirsat	FDP on Digital Skill Development for Professionals	Bhivarabai Sawant Institute of Technology and Research, Wagholi, Pune	08-13 Feb 2021
37.	Dr.V. G. Raut	Algorithms and Techniques for Signal Processing	College of Engineering Pune	14-18 July 2020
38.	Dr.V. G. Raut	TEQIP-III sponsored FDP on "Algorithms and Techniques for Signal Processing"	College of Engineering, Pune (COEP) and Manipur Technical University (MTU)	14-18 July 2020
39.	Dr.V. G. Raut	Faculty Development Program on "Al-ML Principles and Techniques"	IQAC Cell of RMD Sinhgad School of Engineering, Warje, Pune	14-18 June 2021
40.	Dr.V. G. Raut	Applied Machine Learning And Data Science	Indian Institute Of Information Technology Dharwad	17-21 May 2021
41.	Dr.V. G. Raut	Biopython	SITS Narhe with IIT Spoken tutorial	10-14 May 2021
42.	Dr.V. G. Raut	Pyhton3.4.3	Sinhgad College of Engineering in association with IIT Spoken tutorial	31-4 June 2021
43.	Dr.V. G. Raut	Virtual labs: hands-on workshop	PVG's COET, Virtual Labs Regional Center (Pune)	18 July 2020
44.	Dr.V. G. Raut	Course on Python for Data Science	BlobCity Inc.	1-22 May 2021
45.	Dr.V. G. Raut	Advanced Excel	J S Academy	25th April 2021

46.	Mr.Y D CHINCHOLKAR	Algorithms and Techniques for Signal Processing	Department of E&TC, College of Engineering Pune	14- 18 JULY 2020
47.	Mr.Y D CHINCHOLKAR	Energy Efficient Techniques for 5G Wireless Communications	PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE	17 – 22 August 2020
48.	Mr.Y D CHINCHOLKAR	OPTIMAL OPERATION OF POWER SYSTEM INCORPORATING RENEWABLE ENERGY SOURCES	SAGAR INSTITUTE OF RESEARCH & TECHNOLOGY BHOPAL	27 JULY -1 AUG 2020
49.	Mr.Y D CHINCHOLKAR	COMPUTER NETWORKING	Department of Electronics Engineering, Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune	24- 29h August 2020
50.	Mr.Y D CHINCHOLKAR	Image Processing and Data Science with MATLAB (IP&DSWM 2020)	Government College of Engineering, Aurangabad	07- 11 July 2020.
51.	Mr.Y D CHINCHOLKAR	Product Development & Industrial Research 2020	R&D,Mech Dept. Government College of Engineering, Aurangabad	6 - 10 July 2020
52.	Mr.Y D CHINCHOLKAR	Pedagogical Techniques in Electronics and Electrical Engineering	Department of Electronics Engineering, Walchand College of Engineering, Sangli	10 - 14 August 2020
53.	Mrs. M.M.Wankhade	Advances in Biomedical Signal Processing with Hands-on.	Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women Karvenagar,	5th October to 10th October 2020

54.	Mrs. M.M.Wankhade	"Algorithms and Techniques for Signal Processing"	(COEP) and (MTU) , Imphal and sponsored by Center of Excellence in Signal and Image Processing(COE-SIP) under TEQIP-III.	14- 18 July 2020
55.	Mrs. M.M.Wankhade	Faculty Orientation workshop on revised Syallabus SE 2019 course	DYPatil Pimpri, Pune	18-20 January 2021
56.	Mrs. M.M.Wankhade	FDP on Al-ML Principles and Techniques	RMD Sinhgad school of Engineering, Warje, Pune	14-18 June 2021
57.	Mrs. M.M.Wankhade	FDP on Machine Learning and its applications	KIT COE, Kolhapur	5-15 January 2021
58.	Mrs. M.M.Wankhade	Fundamentals of Artificial Intelligence	Online	Sep- Dec. 2020(12 Week course)
59.	Dr.S. B. MULE	Fdp on actural science	ONLINE	14-18 JUNE 2021
60.	Dr.S.B. MULE	Fdp on role of ict on teaching learning process	ONLINE	19-25 MAY 2021
61.	Dr.N. R. Dhumale	Digital skill development for professionals	Bhivarabai sawant institute of technology and research, wagholi, pune	8- 13 Feb 2021
62.	Dr. N. R. Dhumale	Technology startup and IPRS	KBP,SATARA	15 – 17 march 2021
63.	Dr. N. R. Dhumale	Augmented reality and Virtual reality	AISSMS	21 -25 June 2021
64.	Dr. N. R. Dhumale	Faculty orientation workshop of ESD	International Institute of Information Technology,Pune	21 Jan 2021

65.	Ms.R. P. patil	Mathematical Softwares	Sinhgad College of Engineering Pune	19-21 Feb. 2021
66.	Ms.R. P. Patil	Advanced Communication using IoT & WSN	D.Y. Patil College of Engineering, Akurdi Pune in association with Technofield Solutions Ltd. Pune under AICTE MODROB	9-13 Feb. 2021
67.	Ms.R. P. Patil	Emerging Research Trends in Communication	D.Y. Patil College of Engineering, Akurdi Pune	28-2 July 2021
68.	Ms.R. P. Patil	Artificial Intelligence and Machine Learning	DKTE Society Textile and Engineering Institute Ichalkaranji	14-19 Jun 2021
69.	Dr. P.M.Bangare	FDP on Research Trends In Medical Imaging	Smt.Kashibai Navale College of Engineering,Pune.	5-10 OCT 2020
70.	Dr. P.M.Bangare	Research Trends in medical imaging	Smt. Kashibai Navale College of Engineering,Pune	5th Oct.-10th Oct.2020
71.	P.M.Bangare	Digital Twin Technology For Industrial Automation Process	Sathyabama Institute of Science and Technology,Chennai	5th October-10th October 2020.
72.	Dr. P.M.Bangare	Digital skill development for professionals"	(Jspm's) bhivarabai sawant institute of technology and research, wagholi pune-	08to 13 Feb 2021.
73.	Dr. P.M.Bangare	FDP on Technology Startup and IPRS	Karmaveer Bhaurao Patil College of Engineering,Satara.	15 march-17 march 2021
74.	Dr. D. G. Ganage	STTP" on Teaching Learning Pedagogies	A. G. Patil Polytechnic Institute, Solapur	20-25 Jul. 2020

75.	Dr. D. G. Ganage	TEQIP-III Sponsored STTP on Image Processing and Data Science with MATLAB	Government College of Engineering, Aurangabad	07-11 Jul. 2020
76.	Dr. D. G. Ganage	TEQIP-III Sponsored FDP on Algorithms and Techniques for Signal Processing	College of Engineering, Pune	14-18 Jul. 2020
77.	Dr. D. G. Ganage	AICTE Sponsored STTP on Big Data Analytics	Saranathan College of Engineering, Tiruchirapalli	27 Jul. 27 – 01 Aug. 2020
78.	Dr. D. G. Ganage	TEQIP-III Sponsored FDP on Embedded Systems and IoT	Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	4-8 Aug. 2020
79.	Dr. D. G. Ganage	TEQIP-III Sponsored FDP on Pedagogical Techniques in Electronics and Electrical Engineering	Walchand College of Engineering, Sangli	10-14 Aug. 2020
80.	Dr. D. G. Ganage	AICTE Sponsored STTP on Energy Efficient Techniquesfro 5G wireless communications	Pune Institute of Computer Technology, Pune	17-22 Aug. 2020
81.	Dr. D. G. Ganage	AICTE Sponsored STTP on Electromagnetics, Microwave, RF & Antenna Design Using Ansys HFSS	Shri Vishnu Engineering College for Women, Vishnupur, Bhimavaram, AP	24-29 Aug. 2020
82.	Dr. D. G. Ganage	AICTE Sponsored STTP on Developing Research and Development Culture in Industry Institute Interaction Oriented Modern Teaching Learning and Project Based Learning	Francis Xavier Engineering College, Vannarpettai, Tirunelveli, TN	14-19 Sep. 2020

83.	Dr. D. G. Ganage	AICTE Sponsored STTP on Electromagnetics, Microwave, RF & Antenna Design Using Ansys HFSS	Shri Vishnu Engineering College for Women, Vishnupur, Bhimavaram, AP	21-26 Sep. 2020
84.	Dr. D. G. Ganage	AICTE Sponsored STTP on Machine Learning Algorithms and Applications in Data Science	Vishwakarma Institute of Technology, Pune	05-10 Oct. 2020.
85.	Dr. D. G. Ganage	AICTE Sponsored STTP on Recent Developments and Entrepreneurship in Sustainable Green Energy Technologies and Smart Grids	B. V. Raju Institute of Technology, Telangana	19-24 Oct. 2020
86.	Dr. D. G. Ganage	Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation	Swami Ramanand Teerth Marathwada University, Nanded	1-6 Jul. 2020.
87.	Ms .M. N. Namewar	Machine Learning & its applications	Kolhapur Institute of Techonology's College of Engineering (Autonomous), Kolhapur	5-15 Jan. 2021
88.	Ms .M. N. Namewar	FDP on AI-ML Principles and Techniques	RMD Sinhgad School of Engineering, Warje, Pune	14-18 June 2021
89.	Mr .S.D.Mali	MATLAB onramp	Mathworks	09 July 2020
90.	Mr .S.D.Mali	Machine Learning onramp	Mathworks	12 July 2020
91.	Mr .S.D.Mali	AICTE Sponsored one week STTP on "Role of Teacher: To Boost Moral values, Ethics in	KBT College of Engineering Nashik	17-23 Dec 2020

		Engineering Education System"		
92.	Mr .S.D.Mali	"One Week National Level Online Faculty Development Program on "Recent Trends in Mechatronics and Automation"	NBN Sinhgad School of Engineering, Pune-411041	30th June to 04th July, 2020
93.	Mr .S.D.Mali	"Virtual Labs: Hands-On Workshop"	Nodal Centre 227-Sinhgad College of Engineering, Pune associated with Regional Centre 01-PVG's College of Engineering & Technology, Pune	24 December 2020
94.	Mr .S. D. Mali	AICTE Sponsored STTP on Energy Efficent Techniques for 5G Wireless Communications(Project Based learning Approach)	PICT Pune, NI LabVIEW Academy	17th - 22nd Aug 2020
95.	Mr .S. D. Mali	"Academic Transformation with Secrets of Empowerment"	Rajiv Gandhi Insti. Tech Mumbai	23-25 July 2020
96.	Mr .S. D. Mali	eSim Training	Spoken Tutorial Project, IIT Bombay & Sinhgad College of Engineering, Vadgaon	11-16 May 2020
97.	Mr .S. D. Mali	AICTE Sponsored Short Term Training Programme on Fostering an Effective Research Environment and Industrial Collaborations in Engineering Education" scored 92%	St. JOSEPH'S COLLEGE OF ENGINEERING	27th July 2020 to 1st August 2020

98.	Mr .S. D. Mali	Leveraging Atrtificial Intelligence & Data Analytics for Healthcare	KJ Somaya Insti of Engg & IT, Mumbai	4-9 Jan 2021
99.	Mrs .S. A. koti	TEQIP- III Sponsored ,One week Online Faculty Development Program on "Challenges and Opportunities in Recent Emerging Technologies"	SGGSIE&T, Nanded	6 to 10 July 2020
100.	Mrs .S. A. koti	One Week online Faculty Development Programme on Pedagogical Techniques in Electronics and Electrical Engineering	Department of Electronics Engineering, Walchand College of Engineering, Sangli.	10 - 14 Aug , 2020
101.	Mrs .S. A. koti	AICTE Sponsored Energy Efficient Tehnique for 5G wireless communication	PICT, Pune	17 - 22 Aug, 2020
102.	Mrs .S. A. koti	Pedagogical Techniques in Electronics and Electrical Engineering	Walchand College of Engineering, Sangli	10 th to 14 th August 2020
103.	Mrs .S. A. koti	Energy Efficient Technique for 5G wireless communication	Pune Institute of Computer Technology, Pune	17 - 22nd August 2020
104.	Mrs .S. A. koti	Challenges and Opportunities in Recent Emerging Technologies	Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded	6 to 10 July 2020,
105.	Mrs .S. A. koti	AICTE Approved One Week Short Term Training Program on "Data Analytics with Python"	Sandip Institute of Engineering & Management Nashik	24th – 28th May, 2021.
106.	Mrs .S. A. koti	Online Faculty Orientation Workshop	AISSMS College of Engineering , Pune.	18-20 Jan 2021

		Under the Aegis of BoS (E&TC); SPPU, Pune		
107.	Mrs. J. A. Desai	FDP on Cognitive Radio, Antennas and Millimeter Wave Communication	Online FDP organized by SARANATHAN COLLEGE OF ENGINEERING, Chennai under AICTE - ATAL	7 June to 11 June 2021
108.	Mrs. J. A. Desai	STTP on AI/ML IN 5G COMMUNICATION TECHNOLOGY	Online platform organized by RAMRAO ADIK INSTITUTE OF TECHNOLOGY, Navi Mumbai	21 to 26 June 21
109.	Mrs. J. A. Desai	Research Methodology: Applications and Analysis Perspective	Department of Science and Technology : GUJCOST	1 to 5 March 21
110.	Mrs. J. A. Desai	Research Metrics	Centre for Publication Ethics, SPPU	4 May 2021
111.	Mrs. J. A. Desai	Scholarly Journals : The Basics	Center for Publications Ethics of Savitribai Phule Pune University	7 April 21
112.	Mrs. J. A. Desai	Research Methodology	G H Raisoni College of Engineering and Management, Pune	10-15 May 2021
113.	Mr.G N Gaikwad	FDP on Artificial Intelligence using Python	AIISSMS, Pune	14-19 Oct 2020
114.	Mr.G N Gaikwad	FDP on "Algorithms and Techniques for Signal Processing	COEP, Pune	14-18 July 2020

115.	Mr.G N Gaikwad	STTP on Electric Vehicle challenges ad opportunities	Sagar Institute of Research and Technology, Bhopal	24-29 Aug 2020
116.	Mr.G N Gaikwad	STTP on "Electromagnetics, Microwave, RF & Antenna Design Using Ansys HFSS"	Shree Vishnu Engineering College for Women, Vishupur, Andhra Pradesh	21-26 Sept 2020
117.	Mr.G N Gaikwad	STTP on Energy Efficient Techniques for 5G Wireless Communications	PICT, Pune	17-22 Aug 2020
118.	Mr.G. N. Gaikwad	STTP on Challenges and Opportunities in Smart City Implementation in IoT Era	RSCOE,Pune	19-24 Oct 2020
119.	Mr.P. M. Dahale	STTP on "Image Processing and Data Science with MATLAB (IP&DSWM 2020)",	Department of Information Technology, Government College of Engineering, Aurangabad,	07-11 July 2020
120.	Mr.S. V. Tathe	Energy Efficient Techniques for 5G Wireless Communication	PICT Pune	17-22 Aug 2020
121.	Mr.S. V. Tathe	IP & DSWM	GCOE Aurangabad	7-11 July 2020
122.	Mr.S. V. Tathe	VIRTUAL LABS: HANDS-ON WORKSHOP	Online PVG & AISSMS Pune	18 July 2020
123.	Mr.G .V. MADHIKAR	Nanotechnology and Functional Materials	S V COLLEGE OF ENGINEERING,TIRUPATI	27 July 1 Aug. 2020
124.	Mr.G .V. MADHIKAR	Research and publication ethics	Prof Ram Meghe Institute of Technology & Research, Anjangaon Bari	29 June - 3 July 2020

			Road, Badnera (C.Rly), Amravati (M.S.) 444701.	
125.	Mr.G .V. MADHIKAR	Optimization techniques through machine learning for iot	Malla reddy engineering college for women, maisammaguda, dhulaplly, secunderabad	27 July - 1Aug. 2020
126.	Mr.G .V. MADHIKAR	Sustainable Environment – An Engineering Perspective, 2020	Assam engineering college guwahati	13- 18 July 2020
127.	Mr.G .V. MADHIKAR	Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy	KPR Institute of Engg. & Technology, Coimbatore	03 - 08 Aug. 2020
128.	Mr.G .V. MADHIKAR	ATAL Online FDP on " Blended Learning and Flipped Classroom	ATAL FDP - JIS College of Engineering.	24 - 28 Aug. 2020
129.	Mr.G .V. MADHIKAR	An Approach by First Year Engineering Faculty towards Outcome Based Education	Sinhgad Collge of Engineering, Pune	6 -8 July 2020
130.	Mr.G .V. MADHIKAR	One Week National Level Online Faculty Development Program on "Recent Trends in Mechatronics and Automation	NBN, SCOE ,Pune	30 June - 4 July 2020
131.	Mr.G .V. MADHIKAR	Biopython	Sinhgad Institute of Technology & Science, Narhe, Pune	10-14 May 2021

132.	Mr.G .V. MADHIKAR	Design of Nanoelectronics and Nanophotonic Devices Using Advanced Software Tools" (DONEPAST-2020)	Dept. of Electronics & Communication Engineering, GITA Autonomous College, Bhubaneswar, Odisha, India	10-22 May 2021
133.	Mr. G .V. MADHIKAR	Git	Smt. Kashibai Navale College Of Engineering Vadgaon	1-5 June 2021
134.	Mr.G .V. MADHIKAR	Python 3.4.3	Sinhgad College of Engineering, Vadgaon, Pune	31 May - 4 June 2021
135.	Mr.G .V. MADHIKAR	Advanced Excel Workshop	JS Academy	2 May 2021
136.	Mr.G .V. MADHIKAR	Virtual Labs for Online Teaching Learning	Department of Mechanical Engineering in Association with ISHRAE Students Club, Sinhgad Institute of Technology, Lonavala, India,	28 May 2021
137.	Mr.G .V. MADHIKAR	Advanced Excel Training	BizWiz Compony	20 May 2021
138.	Mr.G .V. MADHIKAR	AICTE Sponsored STTP on Catch young minds early-teachers training on orientation programme for new entrants	JIS College of Engineering ,Kalyani, West Bengal, India.	14 - 19 June 2021
139.	Mr.G .V. MADHIKAR	Interactive Teaching Learning Strategies With Affective & Cognitive Approach (ITLS)"	PVG's COET & GKPIM ,Pune	21- 25 June 2021

140.	Mr.G .V. MADHIKAR	Research Funding Projects & IPR (Part II)	K C College Of Engineering Management Studies And Research,Thane, Maharashtra	7 -9 June 2021
141.	Mr. A A RAUT	Internet of Things (IoT)	LBS College of Engineering, Kasaragod.	11-15 Jan. 2021
142.	Mr. A A RAUT	ICT Tools and Their Applications in Teaching Learning Process	SKN Sinhgad Institute of Technology & Science, Lonavala	1- 6 June 2020
143.	Mr. A A RAUT	Tools for Online Teaching Learning and Evaluation	School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded	1-6 July 2020
144.	Mr. A A RAUT	Recent Trends in Mechatronics and Automation	NBN Scholl of Engineering, Pune	30 June - 4 July 2020
145.	Mr. A A RAUT	Quantum Computing	Gandhi institute of technology and management gitam bengaluru	4-8 Jan 2021
146.	Mr. K.S.Khandelwal	Optimal Operation of Power System incorporating Renewable Energy Resources	Sagar Institute of Research and Technology, Bhopal	27 July - 1st August 2020
147.	Mr. K.S.Khandelwal	Latex for Everyone	Rama Rao ADIK Institute of Technology, Nerul , Mumbai	18-20 June 2020
148.	Mr. K.S.Khandelwal	Recent Advances in Integration of Distributed Energy Resources for Electric Vechicle Charging	KPR Institute of Engineering and Technology, Coimbatore	03-08 August 2020

		Stations and Energy Management using Internet of Energy		
149.	Ms. S.S.Phule	Data Analytics Lab	Army Institute of Technology, Pune	20-21Feb.2021
150.	Mrs.S. G. Madhikar	Advanced Excel Workshop	JS Academy	2 May 2021
151.	Mrs.S. G. Madhikar	Advanced Deep Learning Techniques with Python	Anurag Group of Institutions, Hyderabad, India	27 July - 1 Aug. 2020
152.	Mrs.S. G. Madhikar	"Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy	KPR Institute of Engg. & technology, Coimbatore	3 - 8 Aug 2020
153.	Mrs.S. G. Madhikar	One Week National Level Online Faculty Development Program on "Recent Trends in Mechatronics and Automation	NBNSCOE, PUNE	30 June - 4 July 2020
154.	Mrs.S. G. Madhikar	Sustainable Environment- An Engineering Perspective (SEEP: 2020)	Assam engineering college guwahati	13 -18July 2020
155.	Mrs.S. G. Madhikar	Biopython	Sinhgad Institute of Technology & Science, Narhe, Pune	10-14 May 2021
156.	Mrs.S. G. Madhikar	Design of Nanoelectronics and Nanophotonic Devices Using Advanced Software Tools" (DONEPAST-2020)	Dept. of Electronics & Communication Engineering, GITA Autonomous College,	10-22 May 2021

			Bhubaneswar, Odisha, India	
157.	Mrs.S. G. Madhikar	GIT	Smt. Kashibai Navale College Of Engineering Vadgaon	1-5 June 2021
158.	Mrs.S. G. Madhikar	Python 3.4.3	Sinhgad College of Engineering, Vadgaon, Pune	31 May - 4 June 2021
159.	Mrs.S. G. Madhikar	Virtual Labs for Online Teaching Learning	Department of Mechanical Engineering in Association with ISHRAE Students Club, Sinhgad Institute of Technology, Lonavala, India,	28 May 2021
160.	Mrs.S. G. Madhikar	Advanced Excel Training	BizWiz Compony	20 May 2021
161.	Mrs.S. G. Madhikar	Research Funding Projects & IPR (Part II)	K C College Of Engineering Management Studies And Research,Thane, Maharashtra	7 -9 June 2021
162.	Mrs.S. G. Madhikar	AICTE Sponsored STTP on Catch young minds early-teachers training on orientation programme for new entrants	JIS College of Engineering ,Kalyani, West Bengal, India.	14 - 19 June 2021
163.	Mrs.S. G. Madhikar	Interactive Teaching Learning Strategies With Affective & Cognitive Approach (ITLS)"	PVG's COET & GKPIM ,Pune	21- 25 June 2021
164.	Ms.M.R.Deore	FDP on "Recent Trends in Mechatronics and Automation"	NBN Sinhgad School of Engineering, Ambegaon (Bk) Pune-41.	30- 04 July, 2020

165.	Ms.M.R.Deore	STTP on VLSI Physical Design using Cadence Innovus Tool	St. Joseph's College of Engg, Chennai – 119	20-24 July 2020
166.	Ms.M.R.Deore	FDP on Research, Funding Projects & IPR_Part II	K C College Of Engineering Management Studies And Research,Thane	7-9 June 2021
167.	Ms.M.R.Deore	FDP on "Outcome based Pedagogy for Effective Teaching and Learning in Engineering Education"	SKN Sinhgad College of Engineering, Pandharpur	14 - 18 June 2021
168.	Ms.M.R.Deore	FDP on "Interactive Teaching Learning Strategies With Affective & Cognitive Approach (ITLS)"	PVG's COET & GKPIM ,Pune	21 - 25 June 2021.
169.	Ms.M.R.Deore	AICTE Sponsored STTP on Catch young minds early-teachers training on orientation programme	JIS College of Engineering, West Bengal	14 -19 June 2021
170.	Ms.M.R.Deore	FDP on "Augment Reality & Virtual Reality"	AISSMS COE, Pune	21-25 June 2021
171.	Ms.M.R.Deore	One Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation,	Swami Ramanand Teerth Marathwada University, Nanded.	1 - 6July 2020,

d. FDP/STP/TTT etc -Organized

Sr. No	Name of the faculty	Title of the Programme	Period
1	Prof. M.N.Kakatkar	Seminar on Internet of Things (IoT) by InfiIoT Technologies, Pune	9th Feb. 2021

2	Dr. V.G.Raut	One week online FDP on PYTHON 3.4.3	31st May - 4th June 2021

10. UniversityResults:

- **Give the Percentage of university results without backlog / ATKT for the last four years**

$$\% \ \mathbf{Result} = \frac{Number\ of\ students\ passed\ without\ backlog/ATKT}{No.of\ students\ appeared\ for\ exam}$$

Year	Previous P (2019-20)	P-1 (2018-19)	P-2 (2017-18)	P-3 (2016-17)
Second Year	45.76	64.5	63.92	60
Third Year	52	74.5	69.06	67.8
Final Year	99.65	90.8	91.63	92.9

Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE
1.	E&TC Engineering	70.63	71.93	94.39

- **University rankers**

Year	Class	Name of the student	Rank
2020-21	SE		
	TE		

	BE	Not Avaiilable	
2019-20	SE	Not Avaiilable	
	TE		
	BE		
2018-19	SE	Sonkesariya Suyash Hemant	07(All Branches) 03(E&TC)
		Rashinkar Tushar Ravindra	10(All Branches) 05(E&TC)
		Swaraj Kawade	10(All Branches) 05(E&TC)
	TE	Shreyash Anil Agrawal	08(E&TC)
	BE	NIL	
2017-18	SE	Vinay Laxman Mhaskar	02(All branches) 02(E&TC)
		Rege Bhairavi Ashok	09(E&TC)
		Shete Anup Shivaji	10(E&TC)
	TE	NIL	
	BE	Nil	Nil
2016-17	SE	Palande Saloni Ashok	06(E&TC)
	TE	Nil	Nil
	BE	Joshi Pratik Avinash	02(E&TC)

11. Value Added courses during current year:

Sr. No.	Department	Title	Conducted by	Duration From - To	No. of Students Enrolled
1.	E&TC Engineering	A Webinar on "MBA in Demand. Always!" by Career Launcher	Speaker Manu Abraham, Director, Pune, Career Launcher and Dept of E & TC , SCOE, Pune	29-06-2021	95
2.		A Webinar on "How To Start a Career in Data Science and AI?" in association with BookMyCanopy.com	Mr. Shrish Jamborkar , Book My Canopy.com and Deptt of E & TC , SCOE, Pune	23-01-2021	139
3.		A seminar on "nVIDIA Technologies"	Faculties and students from ETC Deptt , SCOE	06-12-2020	74
		A seminar on "Embedded Skill Development"	Speaker : Javad Baig, Edgate Technologies, Banglore, Under IEEE student Chapter, Deptt. Of E&TC, SCOE	07-11-2020	82
4.		Seminar on "Career opportunities in VLSI Design"	Speaker Mr Anvay Nagpure, Verification Engineer, Truechip, Noida Under IEEE student Chapter, Deptt. Of E&TC, SCOE	07-11-20	102
5.		Seminar on "ARM Cortex and Its Applications in Industry"	Speaker- Manoj Kakade, BITS Pilani, Under IEEE student Chapter, Deptt. Of E&TC, SCOE	19-05-21	156
6.		Seminar on "Internet of Things (IoT)" by InfiIoT Technologies	Speaker: Narendra Rajpurohit , Sales Manager, InfiIOT Technologies, Pune and IEEE student chapter, E &TC, Deptt	09-02-21	17
7.		Seminar on "Internet of Things	Speaker- Manoj Kakade, BITS	25-05-21	101

		(IoT) and Its Opportunities in Industry"	Pilani, Under IEEE student Chapter, Deptt. Of E&TC, SCOE		
8.		LTE and Beyond	Alumni Mr Gaurav Lokhande, Oracle Solution Services India Pvt Ltd.	27-05-2021	95
9		Use of IoT for Control System	Deptt. Of E &TC in association with IETE, Pune Dr Yogesh Angal, Vice Chairman IETE Pune	31-05-2021	961
		Guest Lecture on 5G mobile	Dr M M Jadhav, HoD NBN COE Organized by Deptt of E & TC, SCOE	31-05-2021	170
10		FDP on PYTHON 3.4.3	In association with IITB virtual lab and Organized by Deptt of E & TC, SCOE	31-05-2021 and 04-06-2021	58
11		Workshop on Software Testing	Mr Nikhil Patil And Sumit Nikalge , Organized by IEEE student chapter	03-07-2021 and 04-07-2021	71
12		Workshop on "Sensors interfacing, programming and simulation using Arduino microcontroller and PCB designing"	Mr Navjyot Sukhmani from TCS, Mumbai and Mr Shubham Bijamwar from RajRajeshwari PCB Manufacturing and x`Design, Pune Organized by IEEE student chapter	10-10-2020 and 11-10-2020	102

12. Memorandum of Understanding (MoUs):

Sr. No.	Department	No of MoUs
1.	E&TC Engineering	11

Sr. No	Date of the MoU	Name of the Industry / Organization	Purpose	Outcome
1	Feb 02, 2021	BOWE EDTECH LLP	Incubation	Incubation
2	Oct 09, 2020	Career Labs in Association with Byjus	To conduct Webinars for students	Conducted Seminar on Profile Building and Career Options
3	May 21, 2021	Career Launcher	To Guide Students on Higher Education	Conducted Seminar on Higher Education
4	Feb. 21, 2012	Processes N Migration	To conduct trainings on Employability skills	Seminars were conducted to motivate students to develop their skills
5	Jun. 24, 2013	Texas Instruments (Trident Techlabs Pvt. Ltd.)	To Establish teaching lab facility in the area TI MSP 430	Students and staff were encouraged to learn new microcontroller architecture
6	Jul. 5, 2005	ACTEL Inc.	1. To establish dedicated laboratory to FPGA research, design and development. Equip the lab with basic amenities. 2. To provide free use of hardware tools, software and sample FPGA devices.	Through Seminars and workshops students and staff were encouraged to learn and develop new skills
7	Nov. 7, 2014	IGATE Global Solutions	To work with institution to help align the college curriculum to the industry requirements	Students are made aware about the advantages of pursuing higher studies
8	Jan 16, 2015	The Gate Academy, Pune	To provide mass counseling to the students	Students are made aware about the advantages of pursuing higher studies
9	Sept 30, 2015	e-Yantra (IIT Bombay)	To facilitate the setting up of Robotics lab	Students are encouraged to take part in various

			through Task Based Training (TBT)	Task Based activity in co-ordination with IIT Bombay
10	Nov 6, 2015	Cypress Semiconductor Corporation	Received grant in terms of 4-M series Pioneer Kits	Through donation of kits students and staff were encouraged to learn new developments.
11	May 26, 2016	Mersion	To provide unique opportunities to the stakeholders to learn from world's top universities.	Students are made aware about the advantages of pursuing higher studies

13. Industrial Visits:

Sr. No.	Department	No. Industrial Visits
1.	E&TC Engineering	NIL

14. Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	E&TC Engineering	82	03
	Total	85	

- **Field/ Industrial Projects for students during current year**

Sr. No	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
1	Convenient Driving System	3	Techlead Automation and Robotics Pvt Ltd
2	Face Recognition with Cloud Database	3	Haritpath Pvt Ltd
3	Vehicle Health and Monitoroing System- Engine Oil Management	3	Bedrock Microwaves Pvt. Ltd.,
4	Implementation of UART analyser on FPGA Board	3	Defenson private Ltd.
5	Vehicle Monitoring and Tracking System	3	Bedrock Microwaves Pvt. Ltd.,
6	Compact Metamaterial based antenna for wireless application.	3	ZinZout Teletech
7	A Novel way to reduce Mutual Coupling in MIMO Antenna	3	ZinZout Teletech
8	Touch less temprature monitoring and hand sanitizer with gsm	3	Espark Infotech
9	live industry inventory tracking system	3	Sunraj Infotech pune
10	Swarm Robotics	3	Mythos Technology
Total		30	

- **Students Internship summary:**

Sr. No.	Department	No of Internship by students	
		UG	**PG**
1.	E&TC Engineering	50	Nil

- **Students Internship details:**

Sr. No	Name of student	Class	Course	Name of Company	Duration	Period
1	Saiarya Ravindra Katkar	SE	E&TC	Peacock Solar	1June-31July 2021	2 months
2	Prathmesh Ajay Nandurkar	SE	E&TC	Technodune Pvt Ltd	12th March 2021 through 8th June 2021 (3 months)	3 months
3	Aditya Hemant Vaidya	SE	E&TC	IMUN,Global	20 Nov-30 Dec	15 days
4	Tanvi Basavaraj Mannapur	SE	E&TC	Geniobits pvt ltd,Pune	3 May - 3 Aug 2021	3 months
5	Akshay Yashwant Chavan	SE	E&TC	NEW BARRACKPORE NAVACHETNA WELFARE SOCIETY	3-9 September 2020	1 week
6	Madhu Sunil Shirale	SE	E&TC	GenioBits, Pune	3 May 2021 to 3 August 2021	3 months
7	PULKIT AGARWAL	SE	E&TC	INNOMATICS RESEARCH LAB, HYDERABAD	(19 APRIL 2021 - 19 JUNE 2021)	2 months
8	Saurabh Sudhakar Lanje	SE	E&TC	Texas Instruments	31-05-21 to 30-06-21	1 month
9	Parag Prabhakar Gajbhiye	SE	E&TC	Edvizo Media Pvt. Ltd.-Bengaluru	25June - 25Sep 2020	3 month
10	Devyani Anil Sonawane	SE	E&TC	Mysocially,	10 June 2021 to 10 July 2021	1 month

11	Dhiraj Yashavanta Vairagade	TE	E&TC	PIE INFOCOMM PVT. LTD	4th June 2021- 19th July 2021	1 month
12	Ashirwad Panjabrao Raut	TE	E&TC	Pie Infocomm, Lucknow	5 june - 19 July 2021	1 month
13	AKASH ADINATH ADLINGE	TE	E&TC	COMMONDOVE	January-April 2021	3 month
14	AKASH ADINATH ADLINGE	TE	E&TC	THE ENTREPRENEURSHIP NETWORK	MAY 2021-AUGUST 2021	3 month
15	Saiarya Katkar	TE	E&TC	Digitoad Technologies	1Sept- 1Nov 2020	2 month
16	Prathmesh Ajay Nandurkar	TE	E&TC	Technodune Pvt Ltd, Pune	12th March 2021 to 12th June 2021	3 month
17	Sheshanksaurabh Sinha	TE	E&TC	DigiToad Technologies, Bangalore	September 15 to October 20, 2020	1 month
18	Adarsh Gautam Wase	TE	E&TC	Geniobits Technologies, Pune	1 May 2021 - Ongoing	3 months
19	Diksha Verma	TE	E&TC	Geniobits Private Limited	3 May 2021 to 3 Aug 2021	3 months
20	VISHALKUMAR V ZARE	TE	E&TC	PIE INFOCOMM	1 JUN - 19JUL(45 DAYS)	2 months
21	Rishu Jaiswal	TE	E&TC	Decibels Lab Pvt Ltd Bangalore	7 June - 3 july	1 month
22	Mohit Madhukar Dalvi	TE	E&TC	IIT Kanpur,India , National Engineering Olympaid , India , Crazy for success Foundation , India	June 2021-sep 2021 , 05 mar -05 April 2021, 5 - 18 April 2021	2 months
23	Umme Ammara	TE	E&TC	GENIOBITS PRIVATE LIMITED	15/05/2021 - 15/08/2021	3 months
24	Vikee Satyadeo Pudakhe	TE	E&TC	Geniobits, Pune	3 Mar - 3 Aug	3 months
25	Rutwik Ramakant Kshirsagar	TE	E&TC	LinuxWorld Informatics Pvt Ltd, Jaipur	22nd May - Present	1 month

26	Divya Sunil Chaudhary	TE	E&TC	The Sparks Foundation	April 2021-May 2021	1 month
27	Divya Sunil Chaudhary	TE	E&TC	GENIOBITS PRIVATE LIMITED	3 May 2021 - 3 Aug 2021	3 months
28	Rupak Pal	TE	E&TC	EISystems, Affiliated by IIT Bombay	1-28 July 2020	1 month
29	Satyam Kumar rai	TE	E&TC	The Sparks Foundation	01-31 May 2021	1 month
30	Shweta Chandrakant Bhawar	TE	E&TC	Geniobits Private Limited, pune	3 May - 3 Aug 2021	3 months
31	Abhijeet Anil Pawar	TE	E&TC	Agimus Technologies Pvt Ltd, Bangalore	3 Aug 2020 - 30 Sept 2020	1 month
32	Akhilesh Kumar	TE	E&TC	Geniobits Pvt. Ltd.	3rd May, 2021 to 3rd August, 2021	3 month
33	Omkar Sanjay Kharate	TE	E&TC	INAVIT SYSTEMS INDIA PVT LTD PUNE	2 March-15July 2019	3 months
34	Tejaswini Hiraman Patil	TE	E&TC	GOGATE ELECTRONICS (N) PVT. LTD NASHIKk	1May-5Jun2021	1 month
35	Vishakha Vivek Vaidya	TE	E&TC	Edgate Technologies , Bangalore	14 - 28 Dec 2020	15 days
36	Aditya Yashwant Mahajan	TE	E&TC	gipitronix, Vadodara	15/02/21 to 15/05/21	3 months
37	Aditya Yashwant Mahajan	TE	E&TC	The Sparks Foundation (Internship through LinkedIn)	01-30 June 2021	1 month
38	Aditya Yashwant Mahajan	TE	E&TC	gipitronix, Vadodara	15/02/2021 to 15/05/21	3 months
39	Aditya Yashwant Mahajan	TE	E&TC	The Sparks Foundation, (through LinkedIn)	01-30 June 2021	1 month

40	Dhansampada Rajendra Pardeshi	TE	E&TC	International MUN	19March - 23 April,2021	1 month
41	Aishwarya Gokul Kandalkar	TE	E&TC	Geniobits In a Nutshell	3 May 2021 To 3 July	2 months
42	Shruti Sudhir Ghadage	TE	E&TC	Edgate technologies pvt, Ltd.	14th December 2020-24th December 2020	15 days
43	Rutuja Bhos	BE	E&TC	Snowflake	4 Jan - 25 june	3 months
44	Ayush Aryan	BE	E&TC	Cognizant ,Pune	27 Feb- 15 July 2021	5 months
45	Atharva Sanjay Gunjkar	BE	E&TC	Cognizant	13 march-present	5 months
46	Amritraj Pratyay	BE	E&TC	Cognizant	9th March to 15 July	5 months
47	Prashant Dipak Gaikwad	BE	E&TC	Sapio Analytics	24 August - 24 November 2020	3 months
48	Ashtankar Akansh Abhay	BE	E&TC	Cognizant, Pune	25 Feb 2021-current	3 months
49	Harshit batra	BE	E&TC	Geniobits private ltd.	5 May 2021	2 months
50	Vineet Vishwambhar Patodkar	BE	E&TC	Defenson Pvt Ltd	30 September 2020 to 31 March 2021	6 months

15. Spoken Tutorial Project at SCOE:

NIL

16. Employability Skill Development(ESD) Program fromZensar:

NIL

17. Placement, Higher Studies, Self Employment

Sr. No.	Year	2020-21	2019-20	2018-19
i	Total No. of students placed including off campus	131	199	125
ii	No. of students going for higher studies	11	25	11
iii	No. of students self employed	0	05	0
iv	Total (I + ii + iii)	142	229	136
v	Total students in final year	248	284	257
vi	% placement= $\dfrac{i+ii+iii}{iv}$	57.25	80.63	52.91

Sr. No	Placement date	Name of Company	No of students placed
1	30-09-2020	Reliance Jio	2
2	20-11-2020	Snowflake	2
3	14-1-2020	Cognizant GenC & GenC Next	25
4	19-10-2020	Accenture	22
5	28-09-2020	Infosys Phase -I	8
6	26-10-2020	TCS Codevita	4
7	05-11-2020	BirlaSoft	1
8		TCS Ninja	25

9		Infosys Phase II	6
10		Accenture Off Campus	7
11		Persistent Off Campus	5
12		Stetig	2
13		Rudder Analytics	1
14		Persistent Qspider	8
15		Sankey Solutions	1
16		Wipro	1
17		Vuclip	1
18		Persistent	3

18. Students Achievements:

Sr. No.	Name of the Student	Activity	Organizer	Prize/ Rank
1.	Gauri Sunil Mate	Python Data Structeres	Coursera	Completion Certificate
2.	Saiarya Katkar	Data Acquisition Using LabVIEW NXG (English, v2.0)	National Instruments	Completion Certificate
3.	Tanvi singh	Google analytics for power users and Google analytics for beginners	Google Analytics Academy	Completion Certificate
4.	Chinmay Mahendra Ghone	Python for Everybody	University of Michigan	Participated
5.	Shreyash Deore	4 day Workshop on How to start a business	Sleep well foundation and FICCI flo	Participated
6.	Tanuja Ethape	4 day Workshop on How to start a business	Sleep well foundation and FICCI flo	Participated

7.	Pragat Shah	Technical e-Quiz series (Communication System and Network)	Ganadipathy Tulsi's Jain Engineering College, Kaniyambadi ,Vellore, Tamil Nadu	Participated
8.	Pragat Shah	Electronics Devices & Circuits Quiz	Ganadipathy Tulsi's Jain Engineering College, Kaniyambadi ,Vellore, Tamil Nadu	Participated
9.	Pragat Shah	VLSI Quiz	Ganadipathy Tulsi's Jain Engineering College Kaniyambadi ,Vellore, Tamil Naidu	Participated
10.	Pragat Shah	Circuit Analysis Quiz	Ganadipathy Tulsi's Jain Engineering College, Kaniyambadi ,Vellore, Tamil Nadu	Participated
11.	Pragat Shah	Digital Electronics and Microcontrollers Quiz	Ganadipathy Tulsi's Jain Engineering College, Kaniyambadi ,Vellore, Tamil Nadu	Participated
12.	Aniket Gulab Raikar	The 4-day ' How To Start A Business ' Workshop	Sleepwell Foundation, FICCI, MacLead certifications	Completion Certificate
13.	Om Ramakant Hodge	How to Start a Business"	Sleepwell MacLead foundation	Participated
14.	Tanuja ethape	How to start business	Sleepwell MacLead foundation	Completion Certificate
15.	Piyusha Vasave	Technical e-Quiz series (Circuit Analysis)	Ganadipathy Tulsi's Jain Engineering College Kaniyambadi ,Vellore, Tamil Naidu	Completion Certificate
16.	Piyusha Vasave	Technical e-Quiz series (Communications Systems and Networks)	Ganadipathy Tulsi's Jain Engineering College Kaniyambadi ,Vellore, Tamil Nadu	Completion Certificate
17.	Piyusha Vasave	Technical e-Quiz series(Digital Electronics & Microprocessor)	Ganadipathy Tulsi's Jain Engineering College Kaniyambadi ,Vellore, Tamil Nadu	Completion Certificate
18.	Piyusha Vasave	Technical e-Quiz Series(Electronic Devices &Circuits)	Ganadipathy Tulsi's Jain Engineering College, Kaniyambadi ,Vellore, Tamil Nadu	Completion Certificate
19.	Piyusha Vasave	Technical e-Quiz Series (VLSI Design)	Ganadipathy Tulsi's Jain Engineering College, Kaniyambadi ,Vellore, Tamil Nadu	Completion Certificate
20.	Saurabh badhan	Technical e-Quiz series(Digital Electronics & Microprocessor)	Ganadipathy Tulsi's Jain Engineering College, Kaniyambadi ,Vellore, Tamil Nadu	Completion Certificate

21.	Madhuri Dattu Ghogare	How to start a business"	Sleepwell foundation	Completion Certificate
22.	Patil Tejaswini Hiraman	How to start a business workshop	Sinhgad College of Engineering,Pune	Participated
23.	Pragat Shah	Power Electronics quiz	SIT ,Lonavla	Participated
24.	Akshata chandrakant khaple	Career Edge - knockdown the lockdown	TCS	Participated
25.	Piyusha Vasave	Power Electronics quiz	SIT ,Lonavla	Participated
26.	Madhuri Dattu Ghogare	Workshop on "Sensors interfacing, programming and simulation using Arduino microcontroller and PCB designing"	Sinhgad College of Engineering,Pune	Participated
27.	Aishwarya Gokul Kandalkar	Java Programming	Oyester Trainings	Completion Certificate
28.	Aishwarya Gokul Kandalkar	Website Development	Oyester Trainings	Completion Certificate
29.	Shreyash Deore	Webinar on create your success story with growth mindset	AISSMS COE,Pune	Participation
30.	Shreyash Deore	Workshop on sensors interfacing,programming and simulation using arduino micro-controller and PCB designing	Sinhgad College of Engineering,Pune	Participation
31.	Shreyash Deore	Webinar on Performance mapping and Benchmarking on successful career	KKWCOE,Nasik	Participation
32.	Pragat Shah	IEEE Webinar	AISSMS ,Pune	Participation
33.	Pragat Shah	PCB Workshop	Sinhgad Institutes	Participation
34.	Kunal Dattatray Gosavi	Sensor Interfacing And Programming Using Arduino Microcontroller And PCB Designing	Sinhgad College of Engineering,Pune	Participation
35.	Pratiksha Chavan	Sensor Interfacing, Programming using Aurdino Microcontroller and PCB Designing	Sinhgad College of Engineering,Pune	Participation
36.	Kartik Jadhav	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
37.	Rutuja Pardeshi	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
38.	Aditya Gadhvi	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation

39.	Aishwarya Kalbhor	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
40.	Palak Bhutte	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
41.	Pranav Lapsiwala	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
42.	Shah Rinakumari	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
43.	Payoshni Joshi	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
44.	Snehal Pote	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
45.	Chaya Suratwala	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
46.	Anjali Banwar	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
47.	Aayush Phanse	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
48.	Sidharth Pardeshi	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
49.	Suraj Raykar	Antenna Design Thinking 3.0	SCOE in Association with Zinzout	Participation
50.	Vineet Padolkar	Journal Paper	International Research Journal of Modernization in Engineering Technology and Science	Participation
51.	Aditya N Roham	JAVA Quiz	NBN Sinhgad School Engineering,Pune	Participation
52.	Rucha Dandwate	International Conference I-SMAC	SCAD Institute of Technology,Palladam, India	Participation

19. Incubation center:

Department has strong close liaison with leading industries since more than a decade. This liaison is strengthened with the help of Industry-Institute Interaction Cell (I2IC), Incubation Center and Industrial Visits.

Objectives:

❖ To get Sponsorship for projects of under graduate & Post graduate students
❖ To deliver Guest lecturers in various domain of interest
❖ To work as External examiner for U.G. and P.G. Project work
❖ To provide Industrial training to faculty
❖ To provide Internship to desired students

  ❖ To work as a Technical adviser in students projects
  ❖ To help in Establishment of incubation unit
  ❖ To provide guidance as a Technical adviser in FDP, STTP and conference
  ❖ To work as a Adjunct Faculty

List of Industry Cell Members:

Sr. No.	Name of Cell Member	Designation of Cell Member	E-mail Id	Mobile Number
1	Mr. Sunil Desai	CEO, Maven Systems Private Limited, Pune.	sunil.desai@mavensystems.com	9850553286
2	Mr. Sudarshan Natu	Vice President, Harman International, Pune.	sudarshan.natu@symphonysv.com	9822068430
3	Mr. Hemant Kamath	Co-founder and CTO, Shalaka Technologies Pvt. Ltd., Pune.	hemant.kamat@shalaka.com	9822847558
4	Mr. Shashikant Kamathe	Project Manager, Wavelet Technologies Pvt. Ltd., Pune.	kamathe.shashikant@gmail.com	9423010016
5	Mr. Pravin Ambekar	Proprietor, AMBS C-DSP, Aurangabad.	ambekarpp@gmail.com	9890454399
6	Mr. H. K. Sawant	Director, HKS System, Pune.	hemant1960@gmail.com	9822007653
7	Mr. Anirudha Barve	Senior Manager, TATA Elxsi Ltd, Bangalore.	anibarve@gmail.com	7709330495
8	Mr. Nitin Ravekar	Staff Engineer, LSI Technology, Pune.	nitin.ravekar@gmail.com	9527693900
9	Ms. Uma Jadhav	Partner, Nexas Creations, Pune.	umaj99@gmail.com	9552515115
10	Mr. Vinay Sharma	CEO, ni2 Logic Pvt. Ltd., Pune.	vinay@ni2designs.com	9890393925
11	Mr. Satyajeet Paradeshi	Project Manager, Emerson Innovation Center, Pune.	satyajeet.paradeshi@gmail.com	9822085365
12	Mr. Kunal Patil	Hardware Engineer, TCS, Pune.	kunal_8086@yahoo.co.in	9545509468

13	Mr. Aniket Deshpande	Design Engineer, Intel Corporation, Pune.	aniket.deshpande@gmail.com	9423007897
14	Mr. Mangesh Bhalerao	Independent IC Design Consultant, UK.	mangesh.bhalerao@gmail.com	44757451272
15	Mr. D. N. Doiphode	Partner, Spectra Vision Sales & Service, Pune.	spectravisiond@gmail.com	9822085365
16	Mr. Sunil Padsalgi	Senior Consultant, Cognizant Technology Solutions, Pune.	satyajeet.paradeshi@gmail.com	9822085365
17	Mr. Parag Karve	Senior Technical Analyst - Project Lead at IBM India Pvt. Ltd., Pune.	karve.parag@gmail.com	9881745503
18	Mr. Yogesh Joshi	Director, Smartek Controls Pvt. Ltd., Pune.	yogeshembedded@gmail.com	9822847558
19	Mr. Ravikant Patil	Network Architecture, Jupicon Technology Pvt. Ltd., Mumbai.	ravikant4784@gmail.com	9762313961
20	Mr. Sneh Thakkar	Co- founder, SmartOrder, Pune.	support@concepts1729.com	7350444333
21	Mr. Sharmik Bothara	Executive Director, Kalpadruma Fineserve Ltd., Pune.	sharenik.bothara@kalpadruma.com	7276373634
22	Dr. M. B. Mali	Head - Department of E & TC.	mbmali.scoe@sinhgad.edu	9822893167
23	Mr. M. M. Jadhav	Coordinator - Industry Institute Interaction Cell.	mmjadhav.scoe@sinhgad.edu	9890644649
24	Mr. S. D. Mali	Coordinator - Training and Placement.	sdmali.scoe@sinhgad.edu	9422514522
25	Mrs. M. N. Namewar	Co-Coordinator - Training and Placement.	mnnamewar.scoe@sinhgad.edu	9604604353
26	Mr. G. V. Madhikar	Co-Coordinator - Industry Institute Interaction Cell.	gvmadhikar.scoe@sinhgad.edu	8087272916

Department has liaison with leading Industries since a long. Incubation center is the outcome of this extended liaison. It is inaugurated by the hands of Mr. Sunil Desai, CEO-Maven Systems. Objectives of the center are Transfer of Technology (ToT), Resource sharing, Knowledge sharing, Projects through association, Corporate training etc.

__Our Alumni Incubators__

❖ **Pankaj Dudulwar, Director (EMBEL technologies Pvt . Ltd)**

- He is Passed out in 2003
- Start-up to design and develop hardware, software for Embedded System.
- Also Analog Engineer - Intel, Bangalore.

❖ **Rohit Dhange, CEO (Lazzzyme.com)**

- Passed out in 2019

· Start-up provides one-stop solution for all campus student needs such as food subscription, laundries, coaching, rentals etc.

Following activities carried out under Incubation Centre

Mr. Aniruddha Barve and Mrs. Uma Degwekar (Entrepreneur) was invited as a Chief Guest and Mr. Vikram Gholap as Alumina for FE Induction Program 2018.

The alumni guest of honor shared his experiences way back 16 years with SCoE. He assured the students about their excellent career in E&TC at SCoE. Similarly, he highlighted about the inculcation of good habits for better placement.

Mrs. Uma Degwekar Chief guest (Entrepreneur) - stresses on the unavoidable difficulties while start up of new business. She has given the keys to overcome such hurdles. The appeals were made to the students to become entrepreneurs.

Mr. Aniruddha Barve Chief guest – Industries shred his experience of newly placed employees with the students. He appealed students to inculcate good professional habits so as to ensure excellent career in Industries.

20. Industry Funded Laboratories:

Department of E & TC is actively working to create technically equipped next generation students. For this eminent industries extended their support and donated lab equipments and softwares to E & TC Department of Sinhgad C.O. E. These labs provide ample resources from INTEL, TEXAS, XILINXS, ACTEL etc. Now S.C.O. E., E & TC students are working in all such companies and on

leading positions. The sponsored labs builds cutting edge knowledge domain of faculties and students and it immensely help to tune up with upcoming technologies. Department is looking forward for such more collaborations in the near future.

ACTEL:

Objectives:

- To provide hands on and practical exposure of FPGA, CPLD, Libero etc.
- To build cutting edge technologies domain and to make the students to tune up with upcoming technologies.
- To provide the platform to the students for FPGA based interfacing projects.

Introduction : The hardware and software funded by ACTEL is grooming up students to work in semiconductor industries. The hands on and practical exposure of FPGA, CPLD, Libero etc. build students and ready to work in VLSI MNC companies. The fundamentals of digital and VLSI design are governed by ACTEL Hardware and software. Many students used these resources in their UG/ PG Projects.

Amount : 1. 2 Cr.

Activities: Several UG and PG Projects are carried out under Actel funded lab.

- FPGA based physical parameter monitoring system
- GPS based navigation system for railways
- Intelligent Mobile Robot, Configurable efficient ALU etc.

TEXAS :

Objectives:

- To develop students with comprehensive knowledge of DSP Processors and Microcontrollers to solve signal processing algorithms.
- To design a system or algorithm of signal processing to meet desired realistic needs.

Introduction: The MSP430 is a mixed signal microcontroller family from Texas Instruments. Built around a 16 bit CPU, the MSP430 is designed for low cost and, specifically, low power consumption embedded application.

The MSP 430 can also be used for low power embedded devices. The current drawn in idle mode can be less than 1 µA. The top CPU speed is 25 MHz. It can be throttled back for lower power consumption. The MSP430 also uses six different low-power modes, which can disable unneeded clocks and CPU. Additionally, the MSP430 is capable of wake-up times below 1 microsecond, allowing the microcontroller to stay in sleep mode longer, minimizing its average current consumption. The device comes in a variety of configurations featuring the usual peripherals: Some less usual peripheral options are also added.

Amount : Rs. 40,000/-

3) INTEL FICE Lab

Objectives:

- To develop students with solid foundation in recent microcontroller platforms.
- To nurture students with comprehensive knowledge and skills in Arduino programming.
- To get acquainted with Intel Galileo board as Embedded system platform.
- To expertise in designing real world situations using updated Galileo board platform.

The Inel Intelligent Systems lab is to introduce engineering students to state of art platform of Intel Galileo board to design and develop Embedded systems, to help them carrying out their project/ dissertation work. These boards are based on Intel Quark/ SoC X 1000 Application processor and Inforce SYS 94XX reference platform. Galileo is 32 bit Intel Platinum class system on a chip. It is the first board based on Intel Architecture designed to be compatible with Arduino shield. The objective of this lab is to provide platform to the various researchers from academia, industrial persons and R & D organizations to enhance the research in the area of Embedded System with platform of Galileo board. In the lab, students will understand to build setups based on interactive sensors and output devices. The learners will experiment Wi Fi and bluetooth like wireless communication protocols with Galileo board. Also some vision based projects could also be carried out.
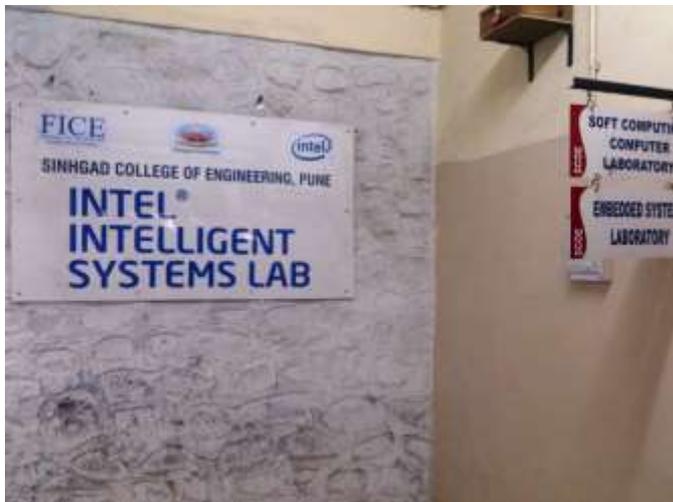
Amount : Rs. 3,11,352/-

Projects carried out in Intel Intelligent Systems Lab:

Automatic Kitchen Safety using wireless sensor.

Intelligent medical system

Aid for physically challenged people

Campus location addressing using Intel Galileo

Mobile app interfacing with Intel Galileo

4) ST Microelectronics:

Objectives:

- To provide modern engineering tools for students to design and develop electronics systems for real life problems.
- To enrich student's knowledge in efficient embedded systems design.
- To nurture the students in System on chip design, real time operating system design, Internet of Things.

Introduction: The liason has set up between department of E & TC - Sinhgad COE with ARM Ltd. UK enables additional use of ARM Technology. The consignment of high end development boards and state of the Art- Keil Design software completely free of cost and based on knowledge strength for academic holy purpose. The beneficiary of this development are laboratories, UG/ PG student projects , research, Faculty/ Student development. The contents of software tools are 100 licenses for Keil MDK. ARM offers the Keil Microcontroller Development Boards(MDK -ARM) for ARM powered microcontrollers. It features the industry standard compiler from ARM , The Keil Micro Vision IDE and sophisticated debug and data trace capabilities It offers tailored support for all Cortex M processor based devices, and the recommended solutions for students working with standard ARM based MCU devices.

The lab also includes Development boards, 10 ARM Cortex based STM32F4 Discovery Boards from ST Microelectronics. The STM32F4 Discovery helps to discover the STM32F4 high performance features and to develop your applications easily. It includes everything required for beginners and experienced users to get started quickly. Based on STM32F407VG T6 , it includes ST-LINK/V2 embedded debug tool, two ST MEMS, digital accelerometer and digital microphone, one audio DAC with integrated class D speaker drive, LED and push buttons and a USB OTG micro AB connector.

Amount : Rs. 9,38,21,708/-

Activities: B. E. Projects are carried out using the Keil software and Kits from ARM STMicroelectronics.

- Rainfall and Landslide detection using WSN
- Automatic Vehicle identification using ARM Processor

5) Xilinx :

Objectives:

- To provide hands on and practical exposure of FPGA, CPLD, Libero etc.
- To build cutting edge technologies domain and to make the students to tune up with upcoming technologies.
- To provide the platform to the students for FPGA based interfacing projects.

Introduction : The ISE 14.7 software (10 License) funded by XILINX is grooming up students to work in semiconductor industries. The hands on and practical exposure of FPGA, CPLD, Libero etc. build students and ready to work in VLSI MNC companies. The fundamentals of digital and VLSI design are governed by Xilinx software. Many students used these resources in their UG/ PG Projects.

Amount :10 Lac.

Activities: Several UG and PG Projects are carried out under Xilinx funded lab.

6) eYantra Lab:

Objectives:

- To provide a platform for students/ trainers to demonstrate their knowledge and programming skills in Embedded Systems and Robotics.
- To learn by doing. It provides an opportunity for students to apply their knowledge to solve real life problems with given hardware.
- To implement better projects with help from eYantra open source community.
- To get better performance at competitions such as the eYantra Robotics Competition (eYRC)

Introduction: e-Yantra is a project by IIT ,Bombay to spread education in Embedded Systems and Robotics. This project has been sponsored by Ministry of Human Resource Development. The eYantra Lab Setup Initiative supports infrastructure at colleges by providing a platform for training teachers and students both in theory and applications in Robotics, in addition to providing guidance in setting up Robotics Lab.

Benefit to the students is that training students through hands on projects is imperative in producing successful innovators and entrepreneurs. eYantra facilitates the infrastructure creation by sharing its experience and expertise.

Amount: Rs.53,997/-

Activities: 20 teams have registered for eYantra Robotics competition (eYRC). Through online exams conducted by IIT , 4 teams were shortlisted. These 4 teams have worked on different tasks and 1 team reached the Quarter final stage by completing 4 different tasks given by IIT Bombay and received certificate. The team worked on Pollinator Bee theme by eYantra.Through this activity, students are encouraged to participate university level Robotic competitions at different colleges. Many teams have won these university level competitions.

7) nVidia Software:

Objectives:

- To Explore the fundamentals of deep learning by training neural networks and using results to improve performance and capabilities.
- To implement common deep learning workflows, such as image classification and object detection
- To Experiment with data, training parameters, network structure, and other strategies to increase performance and capability.
- ·To Deploy the neural networks to start solving real-world problems

Introduction: NVIDIA DLI have granted with 200 promo codes for two self-placed online courses and associated electives.

1.   Fundamentals of Deep Learning for Computer Vision.

Explore the fundamentals of deep learning by training neural networks and using results to improve performance and capabilities.

- Classification, Segmentation And Recognition
- Implement common deep learning workflows, such as image classification and object detection
- Experiment with data, training parameters, network structure, and other strategies to increase performance and capability
- Deploy your neural networks to start solving real-world problems

2. Fundamentals of Accelerated Computing with CUDA C/C++

The CUDA computing platform enables the acceleration of CPU-only applications to run on the world's fastest massively parallel GPUs. Experience C/C++ application acceleration by:

Accelerating CPU-only applications to run their latent parallelism on GPUs

Utilizing essential CUDA memory management techniques to optimize accelerated applications

Exposing accelerated application potential for concurrency and exploiting it with CUDA streams

Leveraging command line and visual profiling to guide and check your work

Upon completion, student will be able to accelerate and optimize existing C/C++ CPU-only applications using the most essential CUDA tools and techniques.

Importance of the courses:

- Concepts could be applied to end-to-end projects.
- Through built-in assessments, students can earn certifications that prove subject matter competency and can be leveraged for professional career growth.

·   Each course presents a self-paced learning environment with access to a   GPU-accelerated workstation in the cloud. All you need is a web browser and an Internet connection to get started.

Two GPU kits are funded by NVIDIA Singapore Ltd.

Amount: Rs. 13.26 Lac.

21. Departmental Library:

- ·   Department Library Facility is available.
- ·   Books (Hard copy)- No. of Titles= 428.
- ·   Books (Hard copy)- No. of Volumes=495
- ·   No. of Journals subscribed =Nil.
- ·   National Magazines(Hard copy)=02
- ·   National Journals(Hard copy)=06
- ·   International Journals((Hard copy)=01

- International Magazines(Hard copy)=Nil
- Carpet Area in Use for Library((in Sq. Mtr.)=45.
- Facilities in Department - Library
- Desk for reading books
- Books issuing facility

22. Faculties as Resource Persons outside Department:

Sr. No.	Name of The Faculty	Name of Institute/Industry where faculty was called as resource person	Type of resource (Seminar/Guest Lecture/Expert/Judge/Referee/Examiner etc.)	Date
1	Dr. M. B. Mali	AISSMS-IOIT, Pune.	Subject Expert for PhD-progress monitoring committee in E&TC engineering	17 March 2021
2	Dr. M. B. Mali	MIT , Pune	External Subject Expert	15 May 2021
3	Dr. M. B. Mali	SKNSCOE , Pandharpur	resource person for FDP	15 June 2021
4	Dr. M. B. Mali	PICT, Dhankawadi	Subject Expert (E&TC)	29 June 2021

5	S. R. Ganorkar	Smt. Kashibai COE Pune	Refree for International conference on IIIST 21	17 June 2021
6	S. R. Ganorkar	SITS, Narhe	Resource Person for FDSmart Technology Pillars of 5G and Beyondeyond	27-31 January 2021
7	S. R. Ganorkar	PCCOE, Pune	Refree for ePGPex 2020 PG Conference	31 July 20-01 August 20
8	Dr R S Kawitkar	DIET Satara	External examiner for BE	21 sept 2020
9	Dr R S Kawitkar	CR Journals	Editor of CR Journals	07 sept 2020
10	Dr S. O. Rajankar	Dhole Patil College Of Engineering, Pune	Refree for International Conference on Advances in Engineering and Technology Management-2020	9 July 2020
11	Dr S. O. Rajankar	Pimpri Chinchwad College of Engineering Pune	Refree for E-PGPEX 2020	31 July- 01 aug 2020
12	Dr. A. M. Deshmukh	VJTI Mumbai	Refree for M Tech Project viva	16 July 2020
13	Dr. A. M. Deshmukh	VJTI. Mumbai	Refree for Ph.D. Progress Review	29 Sept 2020
14	Dr. A. M. Deshmukh	DY Patil College of Engg., Lohgaon, Pune	Resource Person for Guest Lecture on "Current Trends and 5G Technology"	12 May 2021

15	Dr. A. M. Deshmukh	SKN SITS Lonavla	Resource Person for Workshop on research Publication	26 Feb 2021
16	Dr. A. M. Deshmukh	VJTI, Mumbai	Refree for M Tech Dissertation Evaluation	16 July 2020
17	Dr. A. M. Deshmukh	VJTI Mumbai	Refree for Ph.D. Annual Progress Seminar of " 2 research scholars"	29 Sept 2020
18	Dr. A. M. Deshmukh	SKN CoE, Pune	Resource Person for International Conference on " Ideas, Innovations, Impact in Science & Technology (ICIIIST-2021).	17 June 2021
19	Dr. A. M. Deshmukh	Sardar Patel Institute of Technology, Mumbai	ICCICT 2021 Reviewer for Signal and Image Processing Track	25-27 June 2021
20	Dr. A. M. Deshmukh	Sardar Patel Institute of Technology, Mumbai	ICCICT 2021 Reviewer for Mobile and Optical communication Track	25-27 June 2021
21	Dr.S.C Badwaik	M.E.S's College of Engineering	Chaired a paper presentstion session	19 June 2021
22	Mr. V.B.Baru	MMCOE PUNE	expert lecture	14 July 2020
23	Dr.V. G. Raut	Dhole Patil College of Engineering Pune	Reviewer for "International Conference on Advances in Engineering and Technology Management-2020"	9th July 2020
24	Dr.V. G. Raut	Dhole Patil College of Engineering, Pune	Refree for International Conference on Advances in	9th July 2020

			Engineering and Technology Management-2020	
26	Dr.V. G. Raut	MES College of Engineering, Pune	Resource Person in International Conference ACCET 2021	19 June 2021
27	Dr.N. R. Dhumale	AISSMS	Refree for IEEE-ESCI 2021 conference	5- 7 March 2021
28	Dr. Sarika Patil	ONLINE	Reviewer for CIBM Journal	2 January 2020
29	Dr.D. G. Ganage	B. V. Raju Institute of Technology, Telangana	Resource Person for AICTE Sponsored STTP on Recent Developments and Entrepreneurship in Sustainable Green Energy Technologies and Smart Grids	19-24 Oct. 2020
30	Ms. M. N. Namewar	SCOE, Comp Department, Pune	Guest lecture on introduction to logic families	10th Nov 2020
31	Ms. M. N. Namewar	Vishwakarma Institute of Technology, Pune	Examiner for OOP in VIT Pune	7 June 2021
32	Mrs. J. A. Desai	Springer	Reviewer for Journal for Real Time Image Processing	April 27, 2021
33	Mrs. J. A. Desai	NBN Sinhgad School of Engineering, Pune (Online Platform)	Reviewer for National Conference on Cognitive Computing (NCCC21)	June 18, 21

Annual Academic Audit Report

Information Technology Department 2020-21

STES Sinhgad College of Engineering

Vadgaon (Bk), Pune – 41

Mission:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conductive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

Quality Policy:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty andhealthy atmosphere with decent discipline.

Goals:

- **Long Term Goals**

    5. To establish Research Centre as Centre of Excellence in Engineering Research and Development
    6. To seek Academic Autonomy leading to University status
    7. To develop an Engineering Knowledge Centre of Society in general
    8. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.
- **Short Term Goals**

    4. To add new Post Graduate and Ph.D. programs
    5. To motivate and deputefaculty for Doctoral Programs
    6. To improve the interaction with institutes of national and international repute and industries from various fields of engineering

Students Intake:

UG Intake:

Sr. No	Program	No. of Seats
1.	Information Technology Engineering	120

Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface

- Teaching Plan
- Self-Learning Sessions.
- Attendance
- Teacher Guardian Scheme
- Mock Online exams
- Value addition programmes
- Student Training Programmes (STP)
- Open Feedback
- Unit Tests, Prelims
- Well defined Internal Assessment Scheme
- Engineers Day
- BE Project Competition

- Employability Improvement
- AMCAT
- Technical Presentations
- Soft Skills training
- Invited talks by Industry Experts/ academicians
- Technical quiz / Technical festivals
- Industry Projects / Project exhibitions
- Industry visits
- Alumni Meet
- Teachers' Day
- BE Farewell function
- Social / Cultural Programs/ Sports

- In-house Training (Personal Interactions, Meetings / quality improvement programmes)
- Industry exposure
- Participation in workshops conducted by Industries / other institutes of eminence
- Motivation for higher Education
- Campus Connect / extension programmes
- Industrial visits
- Training & Placement Activities
- Seminars & Conferences
- Train the Trainers Program
- Vocational Training for students/Industrial visits

Faculty Position:

Sr. No.	Department	Professors	Associate Professor	Assistant Professor	Total
1.	Information Technology	1	6	13	20

Faculty Qualification:

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc.	Total
1.	Information Technology	5	15	20

Faculty Pursuing Ph.D.:

Sr. No.	Department	Pursuing Ph.D.
1.	Information Technology	4

Research Activities:

- **Research projects**

  b. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned
1	Secure sharing of personal health records in outsourced environment	80,000.00
2	Adaprtive exectution of scientific Workflow Applications to improve performance on cloud Computing	140,000.00

3	An integrated health monitoring system for heart patients using wireless computing technology	140,000.00

- **List of Publications – Journals:**

Sr. No.	Department	Number of Publications
1	Information Technology	4

- **Research publications in Journals notified on U.G.C. Website**

Sr. No	Title of paper	Name of Publication	Impact factor of Journal	Citations of Paper
1	Bio-inspired hybrid algorithm to optimize pilot tone positions inpolar-code-based orthogonal frequency-divison multiplexing-interleave divison multiple access system	International Journal of Communication Systems		
2	Multi Directional Pixel Difference Histogram Analysis Based on Pixel Blocks of Different Sizes	Journal of Sensing and Imaging		
3	Diagnosis of Breast Cancer using Segmentation and Classification Techniques	JOURNAL OF CRITICAL REVIEWS		
4	An Adaptive Algorithm for Lexical Ambiguity in Word Sense Disambiguation	**Proceeding of First Doctoral Symposium on Natural Computing Research: DSNCR 2020**		

- **Research Publications – Conferences:**

Sr. No.	Department	Number of Conferences
1.	Information Technology	NIL

- ## FDP/STTP/Workshop/Conferences Organized :

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Information Technology	2

- **Alumni Guest Lectures**

Aakash Kalwint from **Washington** guided the students on **Cyber Security**

Akash Singh from **Google (USA)** conducted session on Text to speech conversion

FDP/STTP/Workshop/Conferences Attended by Faculty :

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1	Information Technology	257

- **Workshops / Seminars / Conferences:**
    - d. No. of Workshops / Seminars / Conferences etc - Organized

Sr. No	Title	Period From - To	No. of Participants
1	Teaching Enhancement Program for Faculty	21-22/7/2021	21
2	VLab Orientation for Faculty	27/7/2021	21

    - e. No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No		International Level	National level	State Level	Local
1	Attended only	18	-	18	-
2	Presented Papers	5	-		-
3	Resource Person	-	-	6	-

    - f. FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc – Attended by faculty

Sr. No	Name of Faculty	Title of Programme	Period
1	Mr. G. R. Pathak	AICTE STTP on Cyber and Network Security Infrastructure Configuration	14/12/2020 to 19/12/2020 (1 week)
2	Mr. G. R. Pathak	Teaching – Learning Process using Instructional Media	31/5/2021 to 4/6/2021 (1 week)

3	Mr. G. R. Pathak	NBA Accreditation and SAR Preparation	7/6/2021 to 11/6/2021 (1 week)
4	Mr. G. R. Pathak	FDP on Outcome based Pedagogy for Effective Teaching and Learning in Engg Education	14/6/2021 to 18/6/2021 (1 week)
5	Mr. G. R. Pathak	FDP on Design and devlopment of E-content	14/6/2021 to 25/6/2021 (2 weeks)
6	Dr.K.S.Thakare	FDP on Cloud Computing using AWS	3/7/2020 to 6/7/2020 (1 Week)
7	Dr.K.S.Thakare	Quiz on Software Testing & Quality Assurance	6/8/2020
8	Dr.K.S.Thakare	Week1: Software Engineering,DBMS and SQL	4/8/2020 to 10/8/2020 (1 Week)
9	Dr.K.S.Thakare	Week 2: User Interface(UI),Core Java	10/8/2020 to 12/8/2020 (1 Week)
10	Dr.K.S.Thakare	VLabs IITB : Nodal Centre Orientation Workshop	29-Aug-20
11	Dr.K.S.Thakare	Elective: Business Intelligence and Analysis	9/9/2020
12	Mrs. K. S. Korabu	AI using Python	14/9/2020 to 19/9/2020 (1 week)
13	Mrs. K. S. Korabu	Data Science for Engineering Problem Solving	5/10/2020 to 10/10/2020 (1 week)
14	Mrs. K. S. Korabu	Python Programming	7/9/2020 to 18/9/2020 (2 Week)
15	Mrs. K. S. Korabu	Python Programming	20/8/2020 to 24/8/2020 (1 Week)
16	Mrs. K. S. Korabu	VLabs IITB : Nodal Centre Orientation Workshop	29-Aug-20
17	Mrs. K. S. Korabu	VLabs IITB : Nodal Centre Orientation Workshop	18th July 2020
18	Mrs. K. S. Korabu	Machine Learning with Python in Data Science - Applications and Research Perspectives"	5/11/2020 to 11/11/2020 (1 Week)

19	Mrs. K. S. Korabu	Core Python	28/6/2020 to 4 /7/2020 (1 Week)
20	Mrs. K. S. Korabu	Developing Pedagogy for Effective Implementation of Outcome based Education in Engineering Institutes	26/10/2020 to 31/10/2020 (1 Week)
21	Mrs. K. S. Korabu	Joy of Computing Using Python	9/1/2020 to 30/12/2020(4 months) (4 Months)
22	Mrs. K. S. Korabu	Cyber Security- ATAL	8/2/2021 to 12/2/2021 (1 Week)
23	Mrs. K. S. Korabu	Cyber Security and Digital Forensics	15/2/2020 to 20/02/0202 (1 Week)
24	Mrs. K. S. Korabu	ADVANCED COMMUNICATION USING IOT & WSN	09/02/2020
25	Mrs. K. S. Korabu	Research Publications	25/02/2020
26	Mrs. K. S. Korabu	Quantum Computing-ATAL	2/20/2021 to 26/2/2021 (1 Week)
27	Mrs. K. S. Korabu	Digital Skill development for Professionals	22/2/2021 to 27/2/2021 (1 Week)
28	Mrs. K. S. Korabu	Affective Management	8/3/2021 to 13/3/2021 (1 Week)
29	Mrs. K. S. Korabu	Computer Science & Biology-ATAL	22 -3-2021 (1 Week)
30	Mrs. K. S. Korabu	Cybersecurity and Blockchain Technology	22/4/2021 to 28/4/2021 (1 Week)
31	Mrs. K. S. Korabu	Data Science for ALL	12/4/2021 to 23/4/2021 (2 Weeks)
32	Mrs. K. S. Korabu	Programming, Data structures and Algorithms using Python	1/1/2021 to 31/3/2021 (3 Months)
33	Mrs. K. S. Korabu	Green and Secure Communication	15/3/2021 to 19/3/2021 (1 Week)

34	Mrs. K. S. Korabu	Applications of Artificial Intelligence and IOT in Civil Engineering	23/3/2021 to 27/3/2021 (1 Week)
35	Mrs. K. S. Korabu	Role of ICT in TeachingLearning Process	19/5/2021 to 25/5/2021 (1 Week)
36	Mrs. K. S. Korabu	"SciLab: An Effective Open Source Tool for Computer Vision and Machine Learning"	1/3/2021 to 6/3/2021 (1 Week)
37	Mrs. K. S. Korabu	Women in Data Science	8/3/2021
38	Mrs. K. S. Korabu	"Inculcating Universal Human Values in Technical Education	17/5/2021 to 21/5/2021 (1 Week)
39	Dr. Mrs. H. M. Jadhav	Processor architecture, Logic design & Computer organization	04-02-2020
40	Dr. Mrs. H. M. Jadhav	Syllabus revision of SEIT 2019 course	20-02-20
41	Dr. Mrs. H. M. Jadhav	Recent Trends in Mechatronics and Automation	30/6/2020 to 4/7/2021 (1 week)
42	Dr. Mrs. H. M. Jadhav	Syllabus Implementation Faculty Orientation Program for the subject BCN SEIT (2019 Course)	01-07-20
43	Dr. Mrs. H. M. Jadhav	Algorithms and Techniques for Signal Processing	14/7/2020 to 18/7/2020 (1 week)
44	Dr. Mrs. H. M. Jadhav	Teaching Enhancement Program	21/7/2020
45	Dr. Mrs. H. M. Jadhav	Pedagogical Techniques in Electronics and Electrical Engineering	10 /8/2020 to 14/8/2020 (1 week)
46	Dr. Mrs. H. M. Jadhav	VLabs IITB : Nodal Centre Orientation Workshop	29-08-20
47	Dr. Mrs. H. M. Jadhav	5G Communications	20/10/2020 to 24/10/2020 (1 week)
48	Dr. Mrs. H. M. Jadhav	DIGITAL SKILL DEVELOPMENT FOR PROFESSIONALS	7/12/2020 to 12/12/2020 (1 week)
49	Dr. Mrs. H. M. Jadhav	Research and Quality Publication: Practices and Tools	20/12/2020 to 24/12/2020 (1 week)
50	Dr. Mrs. H. M. Jadhav	Research Trends in Computer Engineering and Information Technology (RTCEIT-2021)"	4/1/2021 to 9/1/2020 (1 week)

51	Dr. Mrs. H. M. Jadhav	Project Based Learning (PBL), SEIT 2019 course syllabus	29-01-21
52	Dr. Mrs. H. M. Jadhav	Design of Experiments using Taguchi Technique	26/1/2021 to 30/1/2021 (1 week)
53	Dr. Mrs. H. M. Jadhav	Processor Architecture and PSD lab, SEIT 2019 course syllabus	02-02-21
54	Dr. Mrs. H. M. Jadhav	Flexible and Wearable Antennas and Applications	9/2/2021 to 13/2/2021 (1 week)
55	Dr. Mrs. H. M. Jadhav	Mathematical Softwares	19-02-21
56	Dr. Mrs. H. M. Jadhav	Affective Management	8/3/2021 to 13/3/2021 (1 week)
57	Dr. Mrs. H. M. Jadhav	Machine Learning & Its Applications	16/3/2021 to 20/3/2021 (1 week)
58	Dr. Mrs. H. M. Jadhav	Social Media Analytics	26/4/2021 to 30/4/2021 (1 week)
59	Mr. M. V. Nimbalkar	AICTE STTP on Cyber and Network Security Infrastructure Configuration	14/12/2020 to 19/12/2020 (1 week)
60	Mrs. R. S. Sonar	Two week webinar series on "IT-Learning-2020" - Industrial approch towards Learning IT Domains	1/7/2020 to 11/7/2020 (2 week)
61	Mrs. R. S. Sonar	Recent Tools used in IT	2/7/2020
62	Mrs. R. S. Sonar	BlockChain Technology	6/7/2020
63	Mrs. R. S. Sonar	Webinar on Enhancing Quality of Education of Online Teaching Through Outcome Based Education	5/7/2020
64	Mrs. R. S. Sonar	Future learning Perspectives in technical education	5/7/2020 to 11/7/2020 (1 week)
65	Mrs. R. S. Sonar	One week FDP Post Pandemic Scenario Building using AI, ML and Optimization Techniques	10/7/2020 to 14/7/2020 (1 week)
66	Mrs. R. S. Sonar	E-Mobility Electrification of Vehicles	11/7/2020
67	Mrs. R. S. Sonar	How to write a Research Paper	18/7/2020
68	Mrs. R. S. Sonar	Turning Obstacles into Opportunities	18/7/2020

69	Mrs. R. S. Sonar	One week FDP on AI and Data Science	22/7/2020 to 26/7/2020 (1 week)
70	Mrs. R. S. Sonar	Webinar on Data Mining and it's Applications	15/7/2020
71	Mrs. R. S. Sonar	Webinar on IIoT for Brownfield & Greenfield Projects	29/7/2020
72	Mrs. R. S. Sonar	Teaching Enhancement Program	21/7/2020
73	Mrs. R. S. Sonar	One week International web series on " Top trending technologies in the world "	16/8/2020 to 23/8/2020 (1 week)
74	Mrs. R. S. Sonar	One week FDP on A-Z of Writing & Publication in Scopus-Indexed Journals"	16/8/2020 to 22/8/2020 (1 week)
75	Mrs. R. S. Sonar	One day online workshop on E-Laboratory and Virtual Lab for online exection of programming based practicals	2/8/2020
76	Mrs. R. S. Sonar	One Day workshop On Technical Writing:Tips, Tricks & Tools	10/10/2020
77	Mrs. R. S. Sonar	Webinar on Emergence of IOT	15/10/2020
78	Mrs. R. S. Sonar	Webinar on GUI Creation in MATLAB	16/10/2020
79	Mrs. R. S. Sonar	Webinar on AI Thinking	18/10/2020
80	Mrs. R. S. Sonar	Webinar on Android Application	19/10/2020
81	Mrs. R. S. Sonar	Webinar on Industry 4.0	26/10/2020
82	Mrs. R. S. Sonar	One Day Webinar on Awarness Webinar on Outcome Based Education and Accrediation	27/11/2020
83	Mrs. R. S. Sonar	Two weeks FDP Emerging Trends in Deep Learning and Its Applications	23/11/2020 to 5/12/2021 (2 weeks)
84	Mrs. R. S. Sonar	Two days Innnovation quality enrichement & excellenec in education	22/12/2020
85	Mrs. R. S. Sonar	NPTEL Certification on Soft Skills	1/9/2020 to 31/12/2020 (12 weeks)
86	Mrs. R. S. Sonar	One Week FDP on Research Trends in Computer Engineering and Information Technology (RTCEIT-2021)	4/1/2021 to 9/1/2021 (1 week)
87	Mrs. R. S. Sonar	One week FDP on Python with Data Structures for Databases, GUI Designing and Web Development	6/1/2021 to 12/1/2021 (1 week)

88	Mrs. R. S. Sonar	One Week Emerging Trends in ML, IOT & Cyber security	18/1/2021 to 22/1/2021 (1 week)
89	Mrs. R. S. Sonar	Completed CPP Test organized from IIT Bombay Spoken Tutorial Project	15/1/2021
90	Mrs. R. S. Sonar	Completed Advanced CPP Test organized from IIT Bombay Spoken Tutorial Project	15/1/2021
91	Mrs. R. S. Sonar	One Day Online Faculty Orientation Programme (FOP) on "Project Based Learning (PBL)	29/1/2021
92	Mrs. R. S. Sonar	Two days seminar on Cyber crime against women	19/1/2021
93	Mrs. R. S. Sonar	The Art of writing Research Papers & The Hidden Tricks of the Publication Process	1/2/2021
94	Mrs. R. S. Sonar	One week AICTE -ISTE approved FDP On Improving Excellence in Teaching	8/2/2021 to 13/2/2021 (1 week)
95	Mrs. R. S. Sonar	DST Sponsored Two Week FDP on Innovations & Entrepreneurship Development Cell	15/3/2021 to 27/3/2021 (2 week)
96	Mrs. R. S. Sonar	Role of National Education Policy for National Development	30/3/2021
97	Mrs. R. S. Sonar	AICTE One Week FDP onActive Teaching Learning Process	4/3/2021 to 10/3/2021 (1 week)
98	Mrs. S. M. Jaybhaye	Two Week Webinar Series on Industrial approch towards Learning IT Domains	1/7/2020 to 11/7/2020 (2 week)
99	Mrs. S. M. Jaybhaye	National Level one week workshop on core python	28/6/2020 to 4/7/2020 (1 week)
100	Mrs. S. M. Jaybhaye	National Level online FDP program on Recent trends in computer Science	30/6/2020 to 4/7/2020 (5 Day)
101	Mrs. S. M. Jaybhaye	Webinar on Recent Tools in IT Industry	3-7-2020
102	Mrs. S. M. Jaybhaye	National Webinar on "Cloud Computing"	04-07-2020
103	Mrs. S. M. Jaybhaye	A Practical Approach Towards Engineering for Technical Persons -Technovators 2020	7/7/2020 to 13/7/2020 (1 Week)
104	Mrs. S. M. Jaybhaye	Nanomaterial Synthesis, Process, Characterization and its Functional Applications	6/7/2020 to 11/7/2020 (1 Week)

105	Mrs. S. M. Jaybhaye	Multiprogramming with OpenMP and CUDA	23/6/2020 to 27/6/2020 (5 Day)
106	Mrs. S. M. Jaybhaye	Machine learning techniques for imageing and healthcare using pyton	28/1/2021 to 10/2/2021 (Two week)
107	Mr. K. B. Sadafale	One week International webinar series on Top Trading Technology in the world 16-08-2020 to 23-08-2020	16/8/2020 to 23/8/2020 (One Week)
108	Mr. K. B. Sadafale	Two Week Webinar series on Industrial Approach towards Learning Domains	1/7/2020 to 11/7/2020 (Two Week)
109	Mr. K. B. Sadafale	How to Write a Reserach Paper	18-07-2020
110	Mr. K. B. Sadafale	Industrial Revolution 4.0	26-07-2020
111	Mr. K. B. Sadafale	IIOT Brownfield & Greenfield Projects	29-07-2020
112	Mr. K. B. Sadafale	Stream Processing using Kalka	29-07-2020
113	Mr. K. B. Sadafale	E content creation using OBS Studio	19-07-2020
114	Mr. K. B. Sadafale	Cloud computing using AWS	3/7/2020 to 7/7/2020 (Five Day)
115	Mr. K. B. Sadafale	Cloud Computing	04-07-2020
116	Mr. K. B. Sadafale	Virtual Labs:Hands on Workshop	18-07-2020
117	Mr. K. B. Sadafale	Infosysy Campus connect-DBMS	22-07-2020
118	Mr. K. B. Sadafale	One Day workshop On Technical Writing:Tips, Tricks & Tools	10/10/2020
119	Mr. K. B. Sadafale	Artificial intelegence and machine learning	26-09-2020
120	Mr. K. B. Sadafale	One day online workshop on E-Laboratory and Virtual Lab for online exection of programming based practicals	2/8/2020
121	Mr. K. B. Sadafale	Frontend and Backend Development Using Python and Django	29-08-2020
122	Mr. K. B. Sadafale	ISO Awarness	21-08-2020
123	Mr. K. B. Sadafale	Data Science for Engineering Problem Solving	5/5102020 to 10/10/2020 (One Week)
124	Mr. K. B. Sadafale	Building Data science career Webinar	23-01-2021

125	Mr. K. B. Sadafale	RTCEIT-2021	4/1/2021 to 9/1/2021 (One Week)
126	Mr. K. B. Sadafale	Python with Data Structures for Databases, GUI Designing and Web Development	6/1/2021 to 12/1/2021 (One Week)
127	Mr. K. B. Sadafale	Online Faculty Orientation Program On Database Management System and DBMS Lab -SE-IT (2019 course)	28-01-2021
128	Mr. K. B. Sadafale	"VIRTUAL LABS: HANDS-ON WORKSHOP"	18-07-2020
129	Mr. K. B. Sadafale	"SAP Marketing Cloud Overview"	04-07-2020
130	Mr. K. B. Sadafale	NLP Five Days TEQIP-III Sponsored FDP	7/12/2020 to 11/12/2020 (Five Day)
131	Mr. K. B. Sadafale	Outcome based Education and Accreditation	27-11-2020
132	Mr. K. B. Sadafale	E Laboratory and Virtual Lab	02-08-2020
133	Mr. K. B. Sadafale	AI and ML	26-09-2020
134	Mr. K. B. Sadafale	Database Management System through INFYTQ Platform	22-07-2020
135	Mr. K. B. Sadafale	Python Programming	25-07-2020
136	Mr. K. B. Sadafale	AICTE sponsored two weeks online FDP on "Applications of Augmented Reality (AR) and Virtual Reality(VR) using MATLAB	16-10-2020
137	Mr. K. B. Sadafale	The Art of writing Research Papers & The Hidden Tricks of the Publication Process	1-2-2021
138	Mr. K. B. Sadafale	An Informative Webinar on Scientific Writing	24-11-2020
139	Mr. K. B. Sadafale	Advanced Trends and Practices in IT	8/12/2020 to 12/12/2020 (One Week)
140	Mr. K. B. Sadafale	DST Sponsored 2 Week FDP on Innovations & Entrepreneurship Development Cell	15/3/2021 to 27/3/2021 (2 week)
141	Mr. K. B. Sadafale	Role of National Education Policy for National Development	30/3/2021
142	Dr. B. P. Vasgi	Multiprogramming with OpenMP and CUDA	23/6/2020 to 27/6/2020 (5 Day)

143	Dr. B. P. Vasgi	National Webinar on "Cloud Computing"	04-07-2020
144	Dr. B. P. Vasgi	Technical writing tips,techniques and tools	10-10-20
145	Dr. B. P. Vasgi	Outcome based Education and Accreditation for Engineering Colleges	11-09-20
146	Dr. B. P. Vasgi	E-Learning Resource Creation- A Beginning Towards New Era of E-Learning	8/6/2020 to 20/6/2020 (Two week)
147	Dr. B. P. Vasgi	How to conduct online classes	(1 Day)
148	Dr. B. P. Vasgi	Natural language processing using python	1/9/2020 to 5/9/2020 (5 days)
149	Dr. B. P. Vasgi	Awareness Webinar on Outcome Based Education and Accreditation	27-11-2020
150	Dr. B. P. Vasgi	An Informative Webinar on Scientific Writing	24-11-20
151	Dr. B. P. Vasgi	Gamification	18/1/2021 to 22/1/2021 (One week)
152	Dr. B. P. Vasgi	Database Management System and DBMS Lab-SE-IT (2019 course)	28-1-2021
153	Dr. B. P. Vasgi	Machine learning techniques for imageing and healthcare using pyton	28/1/2021 to 10/2/2021 (Two week)
154	Miss. S. P. Potdar	Core Python	4/7/2020 to 28/7/2020 (1 week)
155	Miss. S. P. Potdar	Artificial Intelligence using Python	14/9/2020 to 19/9/2020 (One Week)
156	Miss. S. P. Potdar	Information Security and Digital Forensic	4/1/2021 to 9/1/2021 (One Week)
157	Miss. S. P. Potdar	Cyber Security	8/2/2021 to 12 /2/2021 (One Week)
158	Miss. S. P. Potdar	Project Based Learning (PBL) (SEIt 2019 Course)	29 Jan 2021
159	Miss. S. P. Potdar	Smart Technology Pillars of 5G and Beyond	27/1/2021 to 31/1/2021 (One Week)

160	Miss. S. P. Potdar	Cyber Security and Digital Forensic	15/2/2021 to 20/2/2021 (One Week)
161	Miss. S. P. Potdar	Applications of Artificial Intelligence and IOT in Civil Engineering	23/3/2021 to 27/3/2021 (One Week)
162	Miss. S. P. Potdar	DIGITAL SKILL DEVELOPMENT FOR PROFESSIONALS	22/2/2021 to 27/2/2021 (One Week)
163	Miss. S. P. Potdar	Data Science for ALL	12/4 /2021 to 23/4/2021 (2 weeks)
164	Miss. S. P. Potdar	"Green and Secure Communication	15/3/2021 to 19/3/2021 (One Week)
165	Miss. S. P. Potdar	EMERGING TRENDS IN RESEARCH METHODOLOGY	16/3/2021 to 20/3/2021 (1 week)
166	Miss. S. P. Potdar	Affective Management	8/3/2021 to 13/3/2021 (One Week)
167	Miss. S. P. Potdar	NPTEL :Design and Analysis of Algorithms	18/1/2021 to 13/2/2021 (1 week)
168	Mrs. Y. A. Jakhade	One Day Online Syllabus Implementation Faculty Orientation Program for the subject Soft skills laboratory (2019 Course)	3-7-2020
169	Mrs. Y. A. Jakhade	One Day Online Syllabus Implementation Faculty Orientation Program for the subject BCN SEIT (2019 Course)	1-7-2020
170	Mrs. Y. A. Jakhade	Channelise Your Emotions: Make Your Life Beautiful	4-7-2020
171	Mrs. Y. A. Jakhade	Brain Geeta	5-7-2020
172	Mrs. Y. A. Jakhade	Data scienec for engineering and problem solving	5/10/2020 to 10/10/2020 (1 week)
173	Mrs. Y. A. Jakhade	Session on Business and Professional Etiquette	13.10.20 (1 Day)
174	Mrs. Y. A. Jakhade	WiFi and Networking	27.2.21 (1 Day)
175	Mrs. J. S. Kulkarni	Two week webinar series on "IT-Learning-2020" - Industrial approch towards Learning IT Domains	7/1/2020 to 11/7/2020 (2 week)

176	Mrs. J. S. Kulkarni	Recent Tools used in IT	2/7/2020
177	Mrs. J. S. Kulkarni	How to Write a Reserach Paper	18-07-2020
178	Mrs. J. S. Kulkarni	One week workshop Core python	28/6/2020 to 4 /7/2020 (1 week)
179	Mrs. J. S. Kulkarni	Cloud Computing Using AWS	3/6/2020 to 7/6/2020 (1 week)
180	Mrs. J. S. Kulkarni	Lean Six Sigma Yellow Belt Training	16-10-2019
181	Mrs. J. S. Kulkarni	Emerging trends in Industry 4.0	18/5/2020 to 29/5/2020 (2 Weeks)
182	Mrs. J. S. Kulkarni	Research trends in Computer engg & IT	4/1/2021 to 9/1/2021 (1 Week)
183	Mrs. J. S. Kulkarni	Cloud computing using AWS	6/6/2020 to 7/6/2020 (1 Week)
184	Mrs. J. S. Kulkarni	One week AICTE -ISTE approved FDP On Improving Excellence in Teaching	8/2/2021 to 13/2/2021 (1 week)
185	Dr. U. R. Godase	Effective Tools and Techniques in Qualitative Research	10/8/2020 to 14/8/2020 (one week)
186	Dr. U. R. Godase	Bharat Ek Khoj	20/8/2020
187	Dr. U. R. Godase	How to do or guide PhD research successfully	21/8/2020
188	Dr. U. R. Godase	AICTE sponsored one-week STTP on "Developing Pedagogy for Effective Implementation of Outcome Based Education in Engineering Institutes"	31/8/2020 to 5/9/2021 (one week)
189	Dr. U. R. Godase	AICTE sponsored one-week STTP on "Blockchain Technologies and Use cases"	30/11/2020 to 5/12/2021 (one week)
190	Dr. U. R. Godase	AICTE sponsored one-week STTP on "Blockchain Technologies and Use cases Thread-II"	14/12/2020 to 19/12/2020 (one week)
191	Dr. U. R. Godase	AICTE sponsored one-week STTP on "Blockchain Technologies and Use cases Thread-III"	28/12/2020 to 2/1/2021 (one week)
192	Dr. U. R. Godase	Python with Django	12/2/2021

193	Dr. U. R. Godase	AICTE Sponsored STTP [Data Analysis Using Python - Phase:1]	2/15/2021 to 20/2/2021 (one week)
194	Dr. U. R. Godase	AICTE One Week FDP onActive Teaching Learning Process	4/3/2021 to 10/3/2021 (1 week)
195	Dr. U. R. Godase	DST Sponsored 2 Week FDP on Innovations & Entrepreneurship Development Cell	15/3/2021 to 27/3/2021 (2 week)
196	Dr. A. A. Agarkar	AICTE sponsored one-week STTP on "Blockchain Technologies and Use cases"	30/11/2020 to 5/12/2021 (one week)
197	Dr. A. A. Agarkar	AICTE STTP on Cyber and Network Security Infrastructure Configuration	14/12/2020 to 19/12/2020 (1 week)
198	Dr. V. V. Puri	FDP on Software Engineering	13/1/21
199	Mr. A. A. Utikar	Latex Programming	27/4/2020 to 2/5/2020 (1 week)
200	Mr. A. A. Utikar	Outcome based Education Software	4-6-2020
201	Mr. A. A. Utikar	Research Trends in Computer Engineering and Information Technology	4/1/2021 to 9/1/2021 (1 week)
202	Mr. A. A. Utikar	Python with Data Structures for Databases,GUI Designing and WebDevelopment	6/1/2021 to 12/1/2021 (1 week)
203	Mr. A. A. Utikar	IEEE -Python Programming	8/6/2020 to 19/6/2020 (1 week)
204	Mr. A. A. Utikar	Core Python	6/28/2020 to 4/7/2020 (1 week)
205	Mr. A. A. Utikar	How to Write a Book- Become a Published Author	28-5-2020
206	Mr. A. A. Utikar	Quick and Easy Web Development	2-6-2020
207	Mr. A. A. Utikar	AWS Cloud Services And Their Usage	3-6-2020
208	Mr. A. A. Utikar	Financial Gain from IT Business Applications	3-6-2020
209	Mr. A. A. Utikar	E –Commerce Business Applications	4-6-2020
210	Mr. A. A. Utikar	Entrepreneurship Opportunities in IT Business	5-6-2020

211	Mr. A. A. Utikar	E-Cyber Security Threats to IT & Business	6-6-2020
212	Mr. A. A. Utikar	Building a Career in Data Science	23-1-2021
213	Mr. A. A. Utikar	Evolutionary Computation	1-6-2020
214	Mr. A. A. Utikar	Computer Graphics	2-6-2020
215	Mr. A. A. Utikar	National Level Quiz on Teaching Methodology	3-6-2020
216	Mr. A. A. Utikar	Embedded & Real Time Opreating Syatem	3-6-2020
217	Mr. A. A. Utikar	Design and Analysis of Algorithms	3-6-2020
218	Mr. A. A. Utikar	Opreating Syatem	9-6-2020
219	Mr. A. A. Utikar	Software Testing & Quality Assurance	9-6-2020
220	Mr. A. A. Utikar	National Level Online Quiz on Basics of C Programming-II	26-6-2020
221	Mr. A. A. Utikar	National Level Online Quiz on Basics of C Programming-I	27-6-2020
222	Mr. N. H. Deshpande	Webinar on How to make Online Teaching Effective and Interactive	22/7/20
223	Mr. N. H. Deshpande	Recent Tools Used In IT	3/7/2020
224	Mr. N. H. Deshpande	BrainGita	05/09/20
225	Mr. N. H. Deshpande	Outcome based education & accreditation	03/12/2020
226	Mr. N. H. Deshpande	4th National Congress MIT	15/12/20
227	Mr. N. H. Deshpande	FDP on Software Engineering	13/1/21
228	Mr. N. H. Deshpande	FOP on PBL	29/1/21
229	Mr. N. H. Deshpande	FOP on Software Engineering	1/2/21
230	Mr. N. H. Deshpande	AICTE- Rethinking Education - A journey through Inner Transformation	18/02/21
231	Mr. N. H. Deshpande	One week FDP on Social Media Analysis Cloud	26/04/21
232	Mr. N. H. Deshpande	DST Sponsored 2 Week FDP on Innovations & Entrepreneurship Development Cell	15/3/2021 to27/3/2021 (2 week)
233	Mrs.K.S.Ghuge	Two Week Webinar Series on Industrial approch towards Learning IT Domains	1/7/2020 to 11/7/2020 (2 week)

234	Mrs.K.S.Ghuge	National Level one week workshop on core python	28/6/2020 to 4 /7/2020 (1 week)
235	Mrs.K.S.Ghuge	A Practical Approach Towards Engineering for Technical Persons -Technovators 2020	7/7/2020 to 13/7/2020 (1 Week)
236	Mrs.K.S.Ghuge	Nanomaterial Synthesis, Process, Characterization and its Functional Applications	6/7/2020 to 11/7/2020 (1 Week)
237	Mrs.K.S.Ghuge	National Level webinar on Cloud Computing	04-07-2020
238	Mrs.K.S.Ghuge	Multiprogramming with OpenMP and CUDA	23/6/2020 to 27/6/2020 (5 Day)
239	Mrs.K.S.Ghuge	one day webinar on "NIRF RANKING SYSTEM"	03-07-2020
240	Mrs.K.S.Ghuge	A Disaster Journey of Malicious Malware in the ASEAN countries	15-8-2020
241	Mrs.K.S.Ghuge	Webinar on Recent Tools in IT Industry	03-07-2020
242	Mrs.K.S.Ghuge	Natural language processing using python	1/9/2020 to 5/9/2020 (5 days)
243	Mrs.K.S.Ghuge	Technical writing tips,techniques and tools	10-10-20
244	Mrs.K.S.Ghuge	Outcome based Education and Accreditation for Engineering Colleges	11-09-20
245	Mrs.K.S.Ghuge	Recent Trends in Medical Imaging	5/10/2020 to 10/10/2020 (1week)
246	Mrs.K.S.Ghuge	Birlasoft Faculty Development Program	Aug2020
247	Mrs.K.S.Ghuge	Machine Learning and Pattern Recognition	18/1/2021 to 22/1/2021 (1 week)
248	Mrs.K.S.Ghuge	Machine learning Techniques for Imaging and Healthcare with Python	28/1/2021 to 10/2/2021 (2 week)
249	Mr.C.D.Kokane	Faculty Development Program on "Data Science for Engineering Problem Solving"	5/10/2020 to 10/10/2020 (One Week)
250	Mr.C.D.Kokane	RTCEIT-2021	1/4/2021 to 9/1/2021 (One Week)

251	Mr.C.D.Kokane	Python with Data Structures for Databases, GUI Designing and Web Development	6/1/2021 to 12/1/2021 (One Week)
252	Mr.C.D.Kokane	Outcome based Education and Accreditation	27-11-2020
253	Mr.C.D.Kokane	Python Programming	25-07-2020
254	Mr.C.D.Kokane	An Informative Webinar on Scientific Writing	24-11-2020
255	Mr.C.D.Kokane	Advanced Trends and Practices in IT	8/12/2020 to 12/12/2020 (One Week)
256	Mr.C.D.Kokane	Cyber and Network Security Infrastructure Configuration	14/12/2020 to 19/12/2020 (One Week)
257	Mr.C.D.Kokane	DST Sponsored 2 Week FDP on Innovations & Entrepreneurship Development Cell	15/3/2021 to 27/3/2021 (2 week)

NPTEL   Online Certification

SrNo	Name of Faculty	Course Name	Duration
1	K.S.Korabu	Joy of Computing Using Python	Sep 2020 to Dec 2020 (12 weeks)
2	K.S.Korabu	Programming, Data structures and Algorithms using Python	Jan 2021 to Mar 2021 (8 weeks)
3	R.S.Sonar	NPTEL Certification on Soft Skills	Oct 2020 to Dec 2020 (12 weeks)
4	S.P.Potdar	NPTEL :Design and Analysis of Algorithms	Jan 2021 to Feb 2021(8 Weeks)

g. **FDP/STP/TTT etc -Organized**

Sr. No	Name of the faculty	Title of the Programme	Period
1	Y. A. Jakhade	Teaching Enhancement Program	21 -22/7/2020
2	S.M.Jaybhaye	Virtual Labs:Hands-on Workshop	27/7/2020

University Results:

- **Give the Percentage of university results without backlog / ATKT for the last four years**

$$\% \text{ Result} = \frac{\text{No.of students passed without backlog/ATKT}}{\text{No.of students appeard for exam}}$$

Year	(2020-21)	(2019-20)	(2018-19)	(2017-18)	(2016-17)

Second Year	97.07	59.21	58.01	52.53	61.59
Third Year	95.10	89.39	73.68	64.74	62.22
Final Year	99.25	99	95.68	95.92	98.59

Value Added and Expert Sessions

Sr. No.	Department	Title	Conducted by	Duration From - To	No. of Students Enrolled
1.	Information Technology	Soft skills training on GD,PI	Prof.Vaidehi Bannerjee	23/7/2020 to 24/7/2020	120

Expert Sessions

Sr.No	Topic or Subject	Name of Resource Person	Class and No.of Students
1	MySQL-JAVA : Project Design	Mr. Vedang Kulkarni	108
2	Basics of JAVA Programming	Mr. Vedang Kulkarni	110
3	Transport Layer Services	Dr. Alpana Adsul	55
4	Transport Layer Protocols	Dr. Alpana Adsul	56
5	Cyber Security	Aakash Kalwint	90
6	Text to Speech Conversion	Aakash Singh	79
7	Amazon Web Services (AWS)	Aniket Bezalwar	65
8	A career in cyber security	Sumedh Joshi	TE,BE -75
9	VLab Orientation	Mrs Minal Apasangi	25
10	Profile Building for Higher Education	PN Santosh	TE 120
11	Latex for report writing	Kalyani Ghuge	TE 83
12	Profile Building for Higher Education	PN Santosh	TE 108
13	Importance of GATE Exam and Prepartion Strategy for GATE 2021	Mr.Deepak Poonia (M.Tech IISc Bangalore)	TE 120
14	Machine learning with python	Kaifi Zaka	TE BE 54
15	GATE Awareness	Abheshek Sharma	TE 75
16	Soft skills training on GD,PI	Prof.Vaidehi Bannerjee	BE 120
17	Webinar for TE students on PHP	Vedang Kulkarni	TE 90

Expert Sessions

| Guest lecture on Transport Layer Protocols by Dr. Dr. Alpana Adsul | Expert session on MYSQL Project Design By Mr.Vedang Kulkarni |

Alumni Sessions
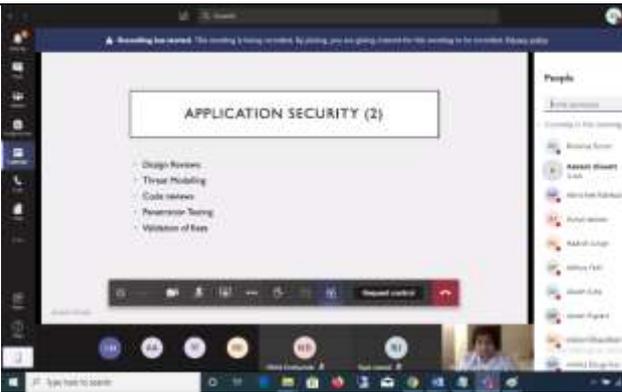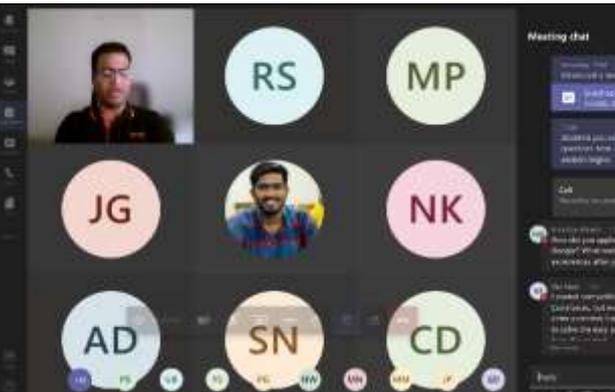
| Aakash Kalwint from Washington guided the students on **Cyber Security** | Akash Singh from Google (USA) conducted session on Text to speech conversion |

Memorandumof Understanding (MoUs):

Sr. No.	Department	No of MoUs
1.	Information Technology	4

Sr. No	Date of the MoU	Name of the Industry / Organization	Purpose	Outcome
1	17th Feb 2021 Renewal	Infosys	To enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and management of selected colleges of the University related to the field of Information Technology	To gain first-hand exposure of working in the real world. It also allows students to harness the skill, knowledge, and theoretical practice they learnt in university.
2	1st Oct 2018	JAHYS IT Academy (JIT.TECH)	To Conduct Guest lectures on technical aspects, workshops, Soft skills, Project guidance, Current industry trends and technologies used in the industries, Sponsorship in terms of providing students with live projects and internships for students	Helps to take up design and research projects. Provides employable skill to the students through training programs and workshops. Provides technical and soft skill training for increasing employability.

3	1st Jan 2019	Optimize Solutions	Practical training of students. Joint guidance of student projects and other areas of national interest on mutually agreeable terms.Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument .shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation	Make the students adaptable to both product development companies and S/W service companies. Placement and internship assistance. Creating awareness for teaching faculty to involve in R&D activities.
4	1st Aug 2019	Secure Layer 7	Research and Special projects: SecureLayer7 executives and the institutes' faculty and students will engage collaboratively in areas such as business research, process improvement, business modeling, product development, product testing etc.	Students are employable through the training program and workshop. Students will get hands on demonstration of latest tools & technologies .

Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Information Technology	34	-
Total			

Students Internship summary:

Students Internship details:

Sr. No.	Department	No of Internship by students	
		UG	PG
1.	Information Technology	74	-
Total		74	

Spoken Tutorial Project at SCOE:

Sinhgad College of Engineering is a focused on the overall growth of students. In the same view, a step was taken in association with IIT, Bombay through the Spoken Tutorial Project.

The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP &MySQL, Java, C/C++, and Library Office etc. via an easy Video tool - Spoken Tutorial. This is an initiative of National Mission on Education through Information and Communication Technology (ICT),launched by the Ministry of Human Resources and Development, Government of India to promote IT literacy through Open Source Software.

The department wise results for various modules are as follows.

Information Technology

Module Name	Students Attended Workshop	Students Cleared Test
C,C++	100	78
Advanced C++	90	75
PHP & MYSQL	39	33
HTML	30	27
Latex	9	5
Python 3.4.3	10	10

Placement, Higher Studies, Self Employment

Sr. No.	Year	2020-21	2019-20	2018-19	2017-18	2016-17
i	Total No. of students placed including off campus	102	108	124	79	79
ii	No. of students going for higher studies	5	13	13	7	5
iii	No. of students self employed	4	**5**	0	2	3
iv	Total (I + ii + iii)	111	126	137	88	87
v	Total students in final year	141	163	155	144	140
vi	% placement $= \dfrac{i + ii + iii}{v}$	78.72%	78%	88.38 %	61.11 %	62.14%

Sr. No	Name of Company	No of student placed
1	PTC Internship	8
2	Xoriant Hackathon	1
3	Qualitia	1
4	Instazen	1
5	TCS Codevita - Ninja	4
6	Persistent	7
7	Abzooba	1
8	Accenture	10
9	Infosys -Phase 1	5
10	Infosys Hackwithinfy	1
11	Birlasoft	2
12	Cognizant GenC	17
13	Snowflake	2
14	Cognizant Genc Next	1
15	Infosys -Phase 2	2
16	Flentas	2
17	TCS-Ninja	12
18	Blueflame Labs	2
19	Webtech	1
20	Byjus	3

21	NewVision	2
22	HCL	1
23	Genius Minds	1
24	Raja Softwares	1
25	Newgen	2
26	Wipro	1
27	ICICI Securities	1
28	Vuclip	1
29	Systenics Solutions	1

Students Achievements:

SrNo	Class	Sports	Co-Curricular	Extra-curricular	Social
1	SE	1	25	11	
2	TE	1	53	11	9
3	BE	0	31	4	

Sr. No.	Name Of The Student	Activity	Organizer	Prize/Rank
1	ANAND MISHRA	spoken tutoriual	scoe	Participation
2	Krishna Pradeep Dawalkar	All India Youth Symposium's Data Analytics Using Pyhton by IIT Kharagpur	IIT Kharagpur	Participation
3	Priti Bajrang Mantri	Techtonic	SCoE	Participation
4	Aniket Hanuman Vishwas	A Data Science Career Webinar	SCOE Online Webinar	Participation
5	Piyush Pankaj Hadge	Advanced Cpp Training	SCoE	Participation
6	Anuja Suresh Modhave	Health awareness training	Kothrud	Participation
7	Anuja Suresh Modhave	Self defence training	Pune	Participation
8	Joshi Omkar Joshi	Spoken Tutorial Project, IIT Bombay	SCoE	Participation
9	Sanket Sanjay parsewar	Spoken Tutorial	Scoe	Participation
10	Shridhar Shriganesh Kalukhe	Spoken Tutorial	SCoE	Participation
11	vaibhav fokmare	Techtonics	SCOE	Participation
12	Ashwinikumar Sunil Jaiswal	Cpp Training	At Home	Participation
13	Krishna Pradeep Dawalkar	Google Hash Code 2021	Virtual Event	Participation
14	Saurav kumar sinha	My captian ambassador	Other	Participation
15	Shivam Shinde	Building a data science	Online	Participation

16	Sonaali Dhangar	Spoken tutorial Project,IIT Bombay.	SCOC	Runner-up
17	Hadge Piyush Pankaj	Advanced Cpp Training	SCoE	Participation
18	Shaikh Mohammed Junaid Abdul Raoof	Building A Data Science Career Webinar	Scoe - Online	Participation
19	vaibhav fokmare	Webinar	SCOE	Participation
20	Varun Pradhan	Building a Data Science Career Webinar	Online	Participation
21	Varun Pradhan	Positive Thinker Course	Online	Participation
22	Varun Pradhan	Bug Crush 2.0	Codechef	Participation
23	Satyam Shivam	Sinhgad karandak	ScoE	Participation
24	Priti Bajrang Mantri	Building a Data Science Webinar	Online	Participation
25	Sairam	Techfest IIT-Bombay	IIT-BOMBAY	Participation
26	Sairam	Zest 21	COEP	Participation
27	Chavan Omkar Nandkumar	Technical	SCoE	Participation
28	Sanket Dinesh Khadse	Advanced CPP Training	SCOE	Participation
29	Vaibhav Dattatraya parsewar	Spoken tutorial	SCOE	Participation
30	Sanket Sanjay parsewar	Spoken Tutorial	Scoe	Participation
31	Vaibhav Dattatraya Parsewar	Spoken tutorial	SCOE	Participation
32	Vaibhav Dattatraya parsewar	Spoken tutorial	SCOE	Participation
33	Ajay Katare	Advanced Cpp Training	SCOE	Participation
34	Satyam Bharat Sadhotra	GUVI	SCOE	Participation
35	Vaibhav dattatraya parsewar	Spoken tutorial IIT Bombay	SCOE	Participation
36	Shruti Vinayak Sawant	Building a Career in Data Science Webinar	SCOE	Participation
37	Aditya Sonani	Google Code Jam	Online Competitive Programming Contest	Participation
38	RAHUL JESWANI	CPP Training , AI Webinar	SCOE	Participation
39	Mandhare Rutuja Shatrughna	Coursera Course	SCoE	Participation
40	Mandhare Rutuja Shatrughna	Coursera Courses	SCoE	Participation
41	Mandhare Rutuja Shatrughna	Coursera course	SCoE	Participation
42	Mandhare Rutuja Shatrughna	Coursera course	SCoE	Participation
43	Mandhare Rutuja Shatrughna	Coursera course	SCoE	Participation
44	Mandhare Rutuja Shatrughna	Spoken Tutorial Program, IIT Bombay	SCoE	Participation
45	Pagar Bhagyashri Avinash	National level Indian art contest	Online	Participation
46	Aishwarya Vijay Annadate	Spoken Tutorial Project IIT Bombay ,Data Driven Science Webinar	SCOE	Participation

47	Vaishnavi Santaji Sawant	Data-Driven Science Webinar, Spoken tutorial Project at IIT Bombay	SCOE	Participation
48	Rutuja Yashwant Shelar	Quiz	SCOE	Participation
49	Rutuja Yashwant Shelar	Quiz	SCOE	Participation
50	Rutuja Yashwant Shelar	Seminar	SCOE	Participation
51	Rutuja Yashwant Shelar	Seminar	SCOE	Participation
52	Pagar Bhagyashri Avinash	Advanced ccp quiz	Scoe	Participation
53	Pagar Bhagyashri Avinash	Ccp quiz	Scoe	Participation
54	Pagar Bhagyashri Avinash	Data science webinar	Scoe	Participation
55	Nitish Verma	Techtonics	SCOE	Participation
56	Babar Omkar Sahebrao	Techtonics	SCoE	Participation
57	Diksha P Gadataranavar	Techtonics	SCOE	Participation
58	Bhagat shital dipak	Sinhgad karandak	scoe	Winner
59	Bhagat shital dipak	Techtonics	Scoe	Participation
60	SUSMITA GORAI	NATIONAL ENGINEERING OLYMPIAD ROUND 2	ONLINE, NEO	Runner-up
61	Roy Rajesh Jagnarayan	RobotBenchmark	Online	Winner
62	Shraddha Nahar	Certification	Cousera	Winner
63	Jitendra Maniklal Paliwal	NPTEL	SCOE	Winner
64	Jitendra Maniklal Paliwal	Google Hashcode	Virtual	Participation
65	Bhagat Shital Dipak	Completion of HTML training	Etc	Participation
66	Bhagat Shital Dipak	Data science career webinar	Etc	Participation
67	Jitendra Maniklal Paliwal	NPTEL Programming in C++	iON Digital Zone iDZ Ramtekdi 1	Winner
68	Jitendra Maniklal Paliwal	NPTEL Data Base Management System	iON Digital Zone iDZ Ramtekdi 1	Runner-up
69	Jitendra Maniklal Paliwal	NPTEL Cloud Computing	iON Digital Zone iDZ Ramtekdi 1	Winner
70	Jitendra Maniklal Paliwal	NPTEL Programming in Java	iON Digital Zone iDZ Ramtekdi 1	Runner-up
71	Jitendra Maniklal Paliwal	NPTEL Data Structure and Algorithms using Java	iON Digital Zone iDZ Ramtekdi 1	Winner
72	Shivkumar Suthar	NPTEL -Domain Data Structure and algorithms using Java	iON Digital Zone iDZ Ramtekdi 1 hadapsar pune	Participation
73	Shivkumar Suthar	NPTEL -Domain Data Base Management System	iON Digital Zone iDZ Ramtekdi 3 hadapsar pune	Participation
74	Shivkumar Suthar	Coursera -Programming for Everybody (Getting Started with Python)	Online Participation	Participation
75	Shivkumar Suthar	Ethical Edufabrica pvt.ltd workshop -Git and Githhub complete guide	Online workshop	Participation
76	Neha Vijay Pharate	Spoken Tutorial	SCOE	Participation
77	Neha Vijay Pharate	Spoken Tutorial	SCOE	Participation

78	Ayesha Khatoon	Data Driven Science	Online Webinar	Participation
79	Harshit Bhardwaj	Techtonics	SCoE	Participation
80	Amey Sagare	Python for Everybody	pune	Participation
81	Amey Sagare	Supervised Learning Essential Training	pune	Participation
82	Amey Sagare	Python Object-Oriented Programming	Pune	Participation
83	Amey Sagare	Machine Learning with Scikit-Learn	Pune	Participation
84	Amey Sagare	Learning Python	Pune	Participation
85	Amey Sagare	Azure Machine Learning Development	Pune	Participation
86	Roy Rajesh Jagnarayan	NVIDIA Jetson AI Specialist	Virtual	Winner
87	Roy Rajesh Jagnarayan	Leading Teams	Virtual Coursera	Winner
88	Roy Rajesh Jagnarayan	Nvidia Deep Learning	Virtual	Winner
89	Roy Rajesh Jagnarayan	Udacity Scholarship by Nutanix	Virtual Udacity Examination Hub	Participation
90	Chaitanya Deshmukh	Code Kaze'21	Online	Participation
91	Yash Srivastava	Content Writing Internship	Personal Internship	Winner
92	Biradar Yogeshvaree Janardhan	Introduction to Blockchain	online	Participation
93	Nishchay Wankar	Techtonic	Scoe	Participation
94	Saloni Dnyaneshwar Pawar	ConnectNext Conference	Online by La Foundation Dassault Sytem.	Participation
95	Zanje Suraj Navanath	Coding school by letsupgrade	online	Participation
96	Zanje Suraj Navanath	Basics of Database Design Development	creative online school	Participation
97	Poonam Sudhakar Patil	Building a data science career webinar	Online	Participation
98	Diksha Ganpati Landge	Building a Data science career webinar	Online	Participation
99	Patil Dhanshree Shivajirao	Introduction To BlockChain	Online	Participation
100	Muskan Dileep chhangani	Web development workshop	Through online	Participation
101	Dnyanada Jalindre	Machine Learning with AI (workshop) by IIT Bombay	Virtual	Participation
102	Apeksha chandrakant Dumbre	Workshop	SCOE	Participation
103	Mo.Numan Rajkotiya	Google Workspace Security	Coursera	Winner
104	Yogeshvaree Janardhan Biradar	Fuel Aptitude Course	Online	Participation
105	Patil Dhanshree Shivajirao	Fuel Aptitude course	SCOE	Participation
106	Roshnee Kashinath Rathod	HTML training conducted by IIT bomby spoken tetorial project	SCOE	Participation
107	Roshnee Kashinath Rathod	P2B#151 Google colab machine learning App	Online	Participation
108	Diksha Ganpati Landge	FUEL Apptitude Course	SCOE	Participation
109	Roshnee Kashinath Rathod	DATA DRIVEN SCIENCE	Online	Participation

110	Saloni Pawar	Gs Impact Workshop	Online	Participation
111	Saloni Pawar	Building a Data Science Career Webinar	Online	Participation
112	Omkar Guldagad	FUEL APTITUDE	Online platform	Participation
113	Omkar Guldagad	Machine Learning Foundations: A Case Study Approach	Coursera	Winner
114	Omkar Guldagad	FUEL COURSERA COURSE	Online platform	Participation
115	Omkar Guldagad	AI For Everyone	COURSERA	Winner
116	Omkar Guldagad	Data science	Online platform	Runner-up
117	Omkar Guldagad	Java for beginners	Udemy	Winner
118	Omkar Guldagad	Pie infocomm internship	Pie infotech online platform	Winner
119	Zanje Suraj Navanath	OWASP	OWASP GURUGRAM	Participation
120	Zanje Suraj Navanath	Building Career In Data Science	Webinar	Participation
121	Yogeshvaree Janardhan Biradar	Basic Machine Learning Course	online	Participation
122	Saloni Dnyaneshwar Pawar	Training on Artificial Intelligence and Machine Learning Essentials	Online	Participation
123	Poonam Patil	Fuel apptitude championship	Scoe	Participation
124	Darshana Pannalal Sonawane	Techtonics	SCoE	Participation
125	Samruddhi Vijaykumar Jagtap	Full stack web development workshop with MERN	MMC	Participation
126	Samruddhi Vijaykumar Jagtap	PHP and MySQL	SCOE	Participation
127	Samruddhi Vijaykumar Jagtap	Getting Started with SAS Programming	Cursera	Participation
128	supriya Uttam sul	Php	Scoe	Participation
129	Supriya Uttam sul	Html	Scoe	Participation
130	Muskan chhangani	Python course	Online	Participation
131	Muskan chhangani	Girlscript.tech	Online	Participation
132	Patil Dhanshree Shivajirao	Web Development Bootcamp	Online	Participation
133	Yogeshvaree Janardhan Biradar	Web development Bootcamp	Online	Participation
134	Samruddhi Vijaykumar Jagtap	Machine Learning Bootcamp	Learnmall	Participation
135	Sanket Sudhir Gadhave	Seminar	SCOE	Participation
136	Sanket Sudhir Gadhave	Seminar	SCOE	Participation
137	Ajay Sampat Chitiken	Internship at PTC Software	PTC Wikfield (from 2/9/2020 to 30/6/2021)	Participation
138	Barde Krutika Laxmikant	Technology boom post covid 19	Sinhgad Institute of technology and science, narhe	Participation
139	Barde Krutika Laxmikant	International yoga day	Heartfullness Institute	Participation
140	Barde Krutika Laxmikant	Global Startup Ecosystem Webinar	Zubi Infotech Pvt ltd	Participation

141	Barde Krutika Laxmikant	Goal Setting and Planning Wokshop	Evolving X	Participation
142	Somesh Tawale	Techtonics Department Art Head	SCOE	Participation
143	Kshitija Pradip Shinde	Techtonic	SCoE	Participation
144	Kshitija Pradip Shinde	OnlineInternship	SCOE	Runner-up
145	Kshitija Pradip Shinde	Microsoft AI Classroom series	Scoe	Participation
146	pranav tambat	Virtual GD	SIT,lonavla	Participation
147	Sanket Sudhir Gadhave	Techntonics	Scoe	Participation
148	Surabhi Digambar Mali	World Enviornment Day 2020	Online	Participation
149	Vipul Pansare	Techtonic	Scoe	Participation
150	Avinee Nemade	Techtonic	SCOE	Participation
151	Avinee Nemade	Online Internship	Online	Participation
152	Tejashree Nana Thosar	Smart India Hackathon	Online (Virtually)	Participation
153	Tejashree Nana Thosar	Western Union Techathon	Online (Virtually)	Participation
154	Shreyash Avinash Nikhade	Green Revolution	Scoe	Participation
155	Shreyash Avinash Nikhade	Online Intership Talk	Scoe	Participation
156	Shreyash Avinash Nikhade	Online internship talkShreyash	Scoe	Participation
157	Shreyash Avinash Nikhade	National Engineering Olympiad	Scoe	Participation
158	Shreyash Avinash Nikhade	Coperate skills	Scoe	Participation
159	Shreyash Avinash Nikhade	DATA SCIENCE CAREER WEBINAR	Scoe	Participation
160	Swapnaja Laxmikant Pendkar	AWS- Going Cloud Native	Coursera Online	Participation
161	Swapnaja Pendkar	Online Internship	Online	Participation
162	Tanay Patel	Internshala Python training	Online	Participation
163	Tanay Patel	Google cloud facilitator program (proof of completion :https://google.qwiklabs.com/public _profiles/84214fb0-d5ee-42f0-8ef7-97e64b480a1e)	Online (organised by PCCOE, Pune)	Winner
164	Shweta Sunil Kaware	Internship in "Bitsmith Thechnlogy Pvt.Ltd".	Work from home	Participation
165	Utkarsh Nagdev	WU Techathon	Online	Participation
166	Priya Yashwant Salve	IBM Certification in Artificial Intelligence /Google Cloud Accreditation Certification	SCOE	Participation
167	Tejashree Nana Thosar	Multi-OS Installation Seminar	Online	Participation
168	Tejashree Nana Thosar	Training program of Abzooba India Infotech	Virtual meetings hosted my the company	Participation
169	Pratik Sudhakar Khopade	Smart India Hackathon 2020	Online	Participation
170	Pratik Sudhakar Khopade	Smart India Hackathon 2020	Online	Participation

| 171 | Saumya Jain | Career Edge | Online | Participation |
| 172 | Priya Yashwant Salve | Angular and NodeJS-The MEAN Stack Course | SCOE | Participation |

Students Prominent Achievements:

SrNo	Name of Student	Prominent Achievement
1	Jitendra Maniklal Paliwal	Two NPTEL Online Certification with Gold Medal
2	Jitendra Maniklal Paliwal	Three NPTEL Online Certification with Silver Medal
3	Jitendra Maniklal Paliwal	4333rd Rank in Google Hashcode 2021 Team Competition (Internationally)
4	Roy Rajesh Jagnarayan	NVIDIA Jetson AI Specialist
5	Roy Rajesh Jagnarayan	Secure and Private AI Scholarship by Facebook on Udacity
6	Sanket Khadse	Scaler Edge Apex 2021 , College rank: 1st AIR: 511/10000+

Students Prominent Achievements

Jitendra Paliwal -NPTEL Certification Top 1%	Rajesh Roy Awarded as NIVIDA JETSON AI Speacialist

Annual Academic Audit Report

Academic Year 2020-2021

Department of Mechanical Engineering

STES Sinhgad College of Engineering

Vadgaon (Bk), Pune – 41

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1. Mission:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conductive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

2. Quality Policy:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc., research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty andhealthy

atmosphere with decent discipline.

3. Goals:

- **Long Term Goals**

    9. To establish Research Centre as Centre of Excellence in Engineering Research and Development
    10. To seek Academic Autonomy leading to university status
    11. To develop an Engineering Knowledge Centre of Society in general
    12. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.

- **Short Term Goals**

    7. To add new Post Graduate and Ph.D. programs
    8. To motivate and deputefaculty for Doctoral Programs
    9. To improve the interaction with institutes of national and international repute and industries from various fields of engineering

4. Students Intake:

4.1 UG Intake:

Sr. No	Program	No. of Seats
1.	Chemical Engineering	60
2.	Civil Engineering	120+60*
3.	Mechanical Engineering	240+60*
4.	Electronics & Telecommunication Engineering	180+60*
5.	Computer Engineering	120+60*
6.	Production Engineering	60
7.	Information Technology Engineering	120
8.	Biotechnology	60
	Total	1200

*Second shift

4.2 PG Intake:

Sr.No.	Program	No. of Seats
1.	ME Design Engineering	18
2.	ME Mechatronics	18
3.	ME Chemical Engineering	18
4.	ME Digital System	25
5.	ME Structure Engineering	18
6.	ME VLSI and Embedded System	18
7.	ME Computer Network	24
8.	ME Information Technology	24
9.	ME Communication Networks	18
10.	ME Hydraulics	18
11.	ME Environmental Engineering	18
12.	ME Signal Processing	18
13.	MBA	60
	Total	**295**

4.3 Ph.D. Intake:

Sr.No.	Department	No. of Students Registered for Ph.D.
1.	Mechanical Engineering	29
2.	Civil Engineering	
3.	E&TC Engineering	
4.	Chemical Engineering	
	Total	**29**

5. Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development and Industry Interface

• Teaching Plan • Self-Learning Sessions. • Attendance • Teacher Guardian Scheme • Mock Online exams • Value addition programmes • Student Training Programmes (STP) • Open Feedback • Unit Tests, Prelims • Well defined Internal Assessment Scheme • Engineers Day • BE Project Competition	• Employability Improvement • AMCAT • Technical Presentations • Soft Skills training • Invited talks by Industry Experts/ academicians • Technical quiz / Technical festivals • Industry Projects / Project exhibitions • Industry visits • Alumni Meet • Teachers' Day • BE Farewell function • Social / Cultural Programs/ Sports	• In-house Training (Personal Interactions, Meetings / quality improvement programmes) • Industry exposure • Participation in workshops conducted by Industries / other institutes of eminence • Motivation for higher Education • Campus Connect / extension programmes • Industrial visits • Training & Placement Activities • Seminars & Conferences • Train the Trainers Program • Vocational Training for students/Industrial visits

6. Faculty Position:

Sr. No.	Department	Professors	Associate Professor	Assistant Professor	Total
1.	Biotechnology				
2.	Chemical Engineering				
3.	Civil Engineering				
4.	Computer Engineering				
5.	E&TC Engineering				
6.	Information Technology				
7.	Mechanical Engineering	3	3	46	52
8.	Production Engineering				
9.	MBA				
10.	Applied Science				
	Total	**3**	**3**	**46**	**52**

7. Faculty Qualification:

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc.	BE/B.Tech.	Total
1.	Biotechnology				
2.	Chemical Engineering				
3.	Civil Engineering				
4.	Computer Engineering				
5.	E&TC Engineering				
6.	Information Technology				
7.	Mechanical Engineering	4	48	-	52
8.	Production Engineering				
9.	MBA				
10.	Applied Science				
	Total	**4**	**48**	**-**	**52**

8. Faculty Pursuing Ph.D.:

Sr. No.	Department	Pursuing Ph.D.
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	8
8.	Production Engineering	
9.	MBA	
10.	Applied Science	
Total		**8**

9. Research Activities:

- **R&D, Consultancy and Grants:(For the academic years 2020-21)**

Sr. No.	Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1.	Biotechnology			
2.	Civil Engineering			
3.	Computer Engineering			
4.	E&TC Engineering			
5.	Mechaniacl Department	08	32,95,000	16,69,000
6.	Production Engineering			
7.	MBA			
8.	Information Technology			
9.	Chemical			
10.	Applied Science			
Total		**08**	**32,95,000**	**16,69,000**

- **List of Publications – Journals:**

Sr. No.	Department	Number of Publications
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	08
8.	Production Engineering	
9.	MBA	
10.	Applied Science	
Total		**08**

- **Research Publications – Conferences:**

Sr. No.	Department	Number of Conferences
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	05
8.	Production Engineering	

9.	MBA	
10.	Applied Science	
	Total	**05**

- ## FDP/STTP/Workshop/Conferences Organized:

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	01
8.	Production Engineering	
9.	MBA	
10.	Applied Science	
	Total	**01**

- ## STTP/Workshop/Conferences Attended by Faculty:

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	91
8.	Production Engineering	
9.	MBA	
10.	Applied Science	
	Total	**91**

10. University Results:

Sr. No.	Department	Semester – I & II Results (%)		
		SE	TE	BE
1.	Biotechnology			

2.	Chemical Engineering			
3.	Civil Engineering			
4.	Computer Engineering			
5.	E&TC Engineering			
6.	Information Technology			
7.	Mechanical Engineering	NA	NA	NA
8.	Production Engineering			
9.	MBA			
10.	Applied Science			

11. Value Addition Programs (VAP) and Expert Sessions:

Sr. No.	Department	No. of Value Addition Programs (VAP)	No. of Expert Sessions
1.	Biotechnology		
2.	Chemical Engineering		
3.	Civil Engineering		
4.	Computer Engineering		
5.	E&TC Engineering		
6.	Information Technology		
7.	Mechanical Engineering	3	27 (3 sessions/ Days * 3 days * 3 VAP)
8.	Production Engineering		
9.	MBA		
10.	Applied Science		
	Total	**03**	

12. Memorandumof Understanding (MoUs):

Sr. No.	Department	No of MoUs
1.	STES	
2.	Biotechnology	
3.	Computer Engineering	
4.	E&TC Engineering	
5.	Mechanical Engineering	Nil
6.	Chemical Engineering	
7.	Production Enineering	
8.	Civil Engineering	
9.	Information Technology	
10.	MBA	
	Total	**Nil**

13. Industrial Visits:

Sr. No.	Department	No. of Industrial Visits
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	Nil
8.	Production Engineering	
9.	MBA	
	Total	**Nil**

14. Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Biotechnology		
2.	Chemical Engineering		
3.	Civil Engineering		
4.	Computer Engineering		
5.	E&TC Engineering		
6.	Information Technology		
7.	Mechanical Engineering	Completed in 2019-20 - 89 Ongoing in 202-21 - 85	Completed in 2019-20 - 12 Ongoing in 2020-21 - 15
8.	Production Engineering		
9.	MBA		
	Total	**85**	**15**

15. Spoken Tutorial Project at SCOE:

The department wise results for various modules are as follows:

Sr. No.	Department	Students Cleared Test
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	1. AFCAT – (Air Force Common Admissions Test - 05 2. GATE-21- 13 3. GRE/TOFEL /IELTS - 04 4. CET - 01
8.	Production Engineering	
9.	MBA	
	Total	**23**

16. Employability Skill Development (ESD) Programs

Software Training & workshops:
1. NX- for sheet metals & surfacing
2. Hypermesh.
3. Ansys.
4. Training for thermal Cutting & welding

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Semester I & II: 2020-21

Department of Production

STES Sinhgad College of Engineering

Vadgaon (Bk), Pune – 41

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1. Mission:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conductive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

2. Quality Policy:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty and healthy atmosphere with decent discipline.

3. Goals:

● **Long Term Goals**

1. To establish Research Centre as Centre of Excellence in Engineering Research and Development
2. To seek Academic Autonomy leading to University status
3. To develop an Engineering Knowledge Centre of Society in general
4. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.

● **Short Term Goals**

1. To add new Post Graduate and Ph.D. programs
2. To motivate and depute faculty for Doctoral Programs
3. To improve the interaction with institutes of national and international repute and industries from various fields of engineering

4. Students Intake:

UG Intake:

Sr. No	Program	No. of Seats
1.	Chemical Engineering	
2.	Civil Engineering	
3.	Mechanical Engineering	
4.	Electronics & Telecommunication Engineering	
5.	Computer Engineering	
6.	Production Engineering	60
7.	Information Technology Engineering	
8.	Biotechnology	
	Total	

*Second shift

PG Intake: Nil

Sr.No.	Program	No. of Seats
1.	ME Design Engineering	
2.	ME Heat Power	
3.	ME Structure Engineering	
4.	ME VLSI and Embedded System	
5.	ME Mechatronics	
6.	ME Hydraulics	
7.	ME Environmental Engineering	
8.	MBA	
	Total	

Ph.D. Intake: Nil

Sr.No.	Department	No. of Students Registered for Ph.D.
1.	Mechanical Engineering	
2.	Civil Engineering	
3.	E&TC Engineering	
4.	Chemical Engineering	
	Total	

5. Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface

● Teaching Plan ● Self-Learning Sessions. ● Attendance ● Teacher Guardian Scheme ● Mock Online exams ● Value addition programmes ● Student Training Programmes (STP) ● Open Feedback ● Unit Tests, Prelims ● Well defined Internal Assessment Scheme ● Engineers Day ● BE Project Competition	● Employability Improvement ● AMCAT ● Technical Presentations ● Soft Skills training ● Invited talks by Industry Experts/ academicians ● Technical quiz / Technical festivals ● Industry Projects / Project exhibitions ● Industry visits ● Alumni Meet ● Teachers' Day ● BE Farewell function ● Social / Cultural Programs/ Sports	● In-house Training (Personal Interactions, Meetings / quality improvement programmes) ● Industry exposure ● Participation in workshops conducted by Industries / other institutes of eminence ● Motivation for higher Education ● Campus Connect / extension programmes ● Industrial visits ● Training & Placement Activities ● Seminars & Conferences ● Train the Trainers Program ● Vocational Training for students/Industrial visits

6. Faculty Position:

r. No.	Department	Professors	Associate Professor	Assistant Professor	Total
1.	Biotechnology				
2.	Chemical Engineering				
3.	Civil Engineering				
4.	Computer Engineering				
5.	E&TC Engineering				
6.	Information Technology				
7.	Mechanical Engineering				
8.	Production Engineering	1	1	5	7
9.	MBA				
10.	Applied Science				
	Total				

7. Faculty Qualification:

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc.	BE/B.Tech.	Total
1.	Biotechnology				
2.	Chemical Engineering				
3.	Civil Engineering				
4.	Computer Engineering				
5.	E&TC Engineering				
6.	Information Technology				
7.	Mechanical Engineering				
8.	Production Engineering	3	4	0	7
9.	MBA				
10.	Applied Science				
	Total				

8. Faculty Pursuing Ph.D.:

Sr. No.	Department	Pursuing Ph.D.
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	
8.	Production Engineering	1
9.	MBA	
10.	Applied Science	
	Total	

9. Research Activities:

- **Research projects**
    a. Industry /NGO/Govt. – Sponsored ongoing projects undertaken by Faculty

Sr. No	Title	Name of funding / Sponsoring agency	Total grant sanctioned
	NIL		

    b. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned
	NIL	

    c. Student ongoing Research Projects

Sr. No	Title	Sponsoring agency
	NIL	

- **R&D, Consultancy and Grants:(For the academic years 2020-21)**

Sr. No.	Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1.	Biotechnology			
2.	Chemical Engineering			
3.	Civil Engineering			
4.	Computer Engineering			
5.	E&TC Engineering			
6.	Information Technology			
7.	Mechanical Engineering			
8.	Production Engineering	Nil		
9.	MBA			

10.	Applied Science			
	Total			

● List of Publications – Journals :

Sr. No.	Department	Number of Publications
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	
8.	Production Engineering	2
9.	MBA	
10.	Applied Science	
	Total	

● Research publications in Journals notified on U.G.C. Website:

Sr. No	Title of paper	Name of Publication	Impact factor of Journal	Citations of Paper
1	Selection of Multi-point Diamond Dresser for Grinding Process Using Grey Relation Analysis	Advances in Manufacturing Systems. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-33-4466-2_6		2
2	Investigation of non-isothermal crystallization, dynamic mechanical and dielectric properties of poly(ether-ketone) matrix composites	POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, Taylor & Francis, Vol.60, 70-83 https://doi.org/10.1080/25740881.2020.1786583	2.63	

● Research Publications – Conferences :

Sr. No.	Department	Number of Conferences
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	

8.	Production Engineering	1
9.	MBA	
10.	Applied Science	
	Total	

● FDP/STTP/Workshop/Conferences Organized :

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	
8.	Production Engineering	01
9.	MBA	
10.	Applied Science	
	Total	

● FDP/STTP/Workshop/Conferences Attended by Faculty :

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	
8.	Production Engineering	16
9.	MBA	
10.	Applied Science	
	Total	

- **Workshops / Seminars / Conferences:**
  - **a.** No. of Workshops / Seminars / Conferences etc. - Organized

Sr. No	Title	Name of Dept.	Period From - To	No. of Participants

1	Body in White (BiW)-Vehicle Architecture _Industry Requirement	Production	20/07/2020	25
2	8 waste in Manufacturing	Production	21/07/2020	26
3	Product Development Using 3D Printing	Production	22/07/2020	26
4	Plastic Molding Technology_Plastic Parts_Industry Requirement	Production	24/.7/2020	30
5	Career in Lean-Six Sigma - Opportunities and challenges	Production	26/07/2020	32
6	Good Manufacturing Practices	Production	28/07/2020	36
7	Path to Entrepreneurship Development	Production	31/07/2020	32
8	Webinar on Practical approach towards selection of Industrial Engineering tools and techniques	Production	28/06/2021	55

b. No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No	Title	International Level	National Level	State Level	Winter	Summer
1	Attendee Only (webinar)	0	8	0	0	0
2	Presented Papers	0	0	0	0	0
3	Resource Person	0	1	0	0	0
4	FDP,STTP	0	7	0	7	0
5	NPTEL	0	0	0	0	0

c. FDP/STP/Train the Trainer (TRAIN THE TRAINERS)/ NPTEL Courses/ Industrial Training etc – Attended by faculty

Sr. No.	Name of Staff	Title of STTP/SDP/FDP/STC	Duration	Place
1	Prof. R. S..Katikar	AICTE approved-One week FDP on Data Analysis using Python	15th -20th March, 2021	Institute Of Engineering & Science IPS Academy (Autonomous) Indore
2	Prof. R. S..Katikar	AICTE approved-Two week FDP onFrontier of 3D Printing and Its Industrial Applications (Phase-II)"	25th jan-06th Feb2021	Lakireddy Bali Reddy College Of Engineering, Kakinada (AP)
3	Prof. R. S ..Katikar	TEQUIP-II Sponsored -One week FDP on Research Methodology: Tool and Techniques - I I	1st – 5th Feb 2021	Sardar Vallabhbhai National Institute of Technology Surat Gujarat
4	Prof. R. S..Katikar	TEQIP –III sponsored one week FDP on Electro-Mechanical System	20th-25th July2020	Walchand College of Engineering, Sangli
5	Prof. R. S..Katikar	One week FDP on-Future of Engineering Education and work in post Covid-19 World	6th-11th July2020	Chouksey Group of Colleges,Bilaspur
6	Prof. R. S..Katikar	IIPE approved One week FDP on- Advanced Machining Techniques	22nd-27th June2020	Sathyabama Institute of Science and Technology, Chennai
7	Prof. R. S..Katikar	One Week FDP on-Welding for Additive Manufacturing'(FDP	10th -15th June2020	Coimbatore Institute Of Engineering And Technology,Coimbatore (TN)
8	Prof. R.S..Katikar	One week FDP on-Exploring the Dimensions of Innovation, Incubation and Emerging	8th-12th June2020	Finolex Academy of Management &

		Technologies to Embrace Post COVID Changes		Technology, Ratnagiri
9	Prof.S.S.Patil	AICTE-ISTE Approval two week STTP on "Recent development in metal and manufacturing process"	22 February - 5 March 2021	SKN College of Engineering,Vadgoan budruk,Pune
10	Prof. S.S.Patil	TEQIP sponsored one week STP on "Research methodologies: tools and techniques 3"	8 - 12 March 2021	SVNIT, Surat
11	Prof. S.S.Patil	TEQIP –III sponsored one week FDP on Industrial Engineering Techniques	15 - 19 March 2021	MANIT, Bhopal,
12	Prof. S.S.Patil	TEQIP –III sponsored 5 days FDP Recent Advances in Health 5.0in fine with nep 2020	22 - 26 March 2021	AGCOE,SATAR
13	Dr.Mrs.A.M.Patki	One week online Faculty Development Program on "Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences (SAIPACMS-2020)"	21st - 25th July 2020	Sinhgad College of Engineering, Pune.
14	Dr.Mrs.A.M.Patki	TEQIP-III sponsored one week FDP on "Emerging Materials: Properties, Applications and Characterization"	27th-31st August 2020	Department of Metallurgical and Materials Engineering, Malaviya National Institute of Technology Jaipur.
15	Dr.Mrs.A.M.Patki	TEQIP-III Sponsored One week Faculty Development Program on "Research & Quality Publication: Practices and Tools"	20th -24th December 2020	Central Library, College of Engineering, Pune (COEP) and Manipur Technical University (MTU) , Imphal

16	Dr.Mrs.A.M.Patki	AICTE sponsored FDP-STTP on Science and Technology of Advanced Material (STAM-2021)	22nd -26th February 2021	Department of Basic & Applied Science, National Institute of Technology, Arunachal Pradesh
17	Prof. V. S. Kasture	One week FDP on Research Opportunities and Challenges in Manufacturing Sector	1st -6th June 2020	Department of Mechanical Engineering, SVERI'S College of Engineering, Pandharpur
18	Prof. V. S. Kasture	International Faculty Development Program on "Research Methodology and Techniques"	4th -6th July 2020	Sandip Institute of Engineering and Management Nashik
19	Prof. V. S. Kasture	FDP on Future of Mechanical Engg with AI	17 -20 June 2020	K.S.Rangasamy College of Technology,Tiruchengode, Tamilnadu
20	Prof. V. S. Kasture	One Week Online FDP on 'Innovative Approaches in Management'	13 -19 July 2020	Department of Production Engineering, BV (DU), COE, Pune and Department of Mechanical Engineering, SBPCOE, Indapur

d. FDP/STP/TRAIN THE TRAINERS. etc–Organized- **Nil**

Sr. No	Name of the faculty	Title of the Programme	Period

10. University Results
Give the Percentage of university results without backlog / ATKT for the last four years

$$\% \text{ Result} = \frac{No, of\ students\ passed\ without\ backlog/ATKT}{No.of\ students\ appeard\ for\ exam}$$

Year	Previous P (2019-20)	P-1 (2018-19)	P-2 (2017-18)	P-3 (2016-17)
FE		-	-	-
SE	98	42.85	56.86	56.52
TE	98	76.47	65.07	71.21
BE	100	98.11	98.38	100

Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE
1.	Biotechnology			
2.	Chemical Engineering			
3.	Civil Engineering			
4.	Computer Engineering			
5.	E&TC Engineering			
6.	Information Technology			
7.	Mechanical Engineering			
8.	Production Engineering	98	98	100
9.	MBA			
10.	Applied Science			

11. Value Added courses during current year: Nil

Sr. No.	Department	Title	Conducted by	Duration From - To	No. of Students Enrolled
1.	Biotechnology				
2.	Chemical Engineering				
3.	Civil Engineering				
4.	Computer Engineering				
5.	E&TC Engineering				
6.	Information Technology				
7.	Mechanical Engineering				
8.	Production Engineering				
9.	MBA				
10.	Applied Science				
	Total				

12. Memorandum of Understanding (MoU's):

Sr. No.	Department	No of MoUs
1.	Biotechnology	

2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	
8.	Production Engineering	07
9.	MBA	
10.	Applied Science	
	Total	

Sr. No	Date of the MoU	Name of the Industry / Organization	Purpose	Outcome
1	Vatro Water science Pvt Ltd	13/2/2019 to 31/12/2020	Industrial visit and project - Focusses on skill based training, education and research	Students will acquire knowledge in Manufacturing skills, R & D Services in the field of water treatment , business skills
2	Pune Furnace Teknikes	13/2/2019 to 31/12/2020	Industrial visit and project - Internship & placements of students	Industrial exposure for students & helps for project work
3	Quality Engineering	15/2/2019 to 31/12/2020	Industrial visit and project - Student could play a key role in technical up gradation , innovation &competitiveness of an industry	Internship & Placements of students, industrial training and project work
4	Synergy School of business schools	1/1/2017 to 30/03/2020	Guest lecture on professional job skills and development program -Training for project management concepts, operational excellence & people skills	Student will develop high confidence level , current industry trends and challenging requirements
5	CADD Center Pune	1/1/2017 to 31/12/2020	Guest lecture on MAT Lab ,CAD,CAM ,CAE and its application -Student training programme and certification	Students will acquire knowledge in design of components & live projects practice
6	Global Biz-ware Solutions	1/2/2017 to 30/03/2020	Seminar on process planning and product realization , sponsored for PRODZINE , Professional job skills program Strong fundamental engineering knowledge, multiple technical skills	Practical knowledge of Operational excellence like Six sigma, Kaizen & 5s.

7	Procad Tool Solution	1/1/2020 to 31/12/2022	Industrial visit, skill development and project - Internship & placements of students	Industrial exposure for students in the area CAD, CAM Fixture design ,product design

13. Industrial Visits:

Sr. No.	Department	No. of Industrial Visits
1.	Biotechnology	
2.	Chemical Engineering	
3.	Civil Engineering	
4.	Computer Engineering	
5.	E&TC Engineering	
6.	Information Technology	
7.	Mechanical Engineering	
8.	Production Engineering	00
9.	MBA	
	Total	

Expert Lectures organized-

Sr. No.	Department	Name of Expert	Topic of Lecture	Date	No. of Students Attended
1	Production	Mr.Omkar Banne Research Engineer AMTDC, IIT, Madars, Research Park	How to prepare to GATE and respective examination.	5/5/2021	15
2		Mr.Tushar Jadhav, Associate consultant UMAS Pvt.Ltd., Pune	Practical use of Industrial Engineering in industries.	13/5/2021	27

14. Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Biotechnology		-
2.	Chemical Engineering		
3.	Civil Engineering		
4.	Computer Engineering		
5.	E&TC Engineering		
6.	Information Technology		
7.	Mechanical Engineering		
8.	Production Engineering	12	-
9.	MBA		
	Subtotal		
	Total		

● **Field/ Industrial Projects for students during current year**

Sr. No	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
1	Productivity Improvement by Designing Deburring Fixture	04	Omkar Enterprises, Plot no C-20/3/2 MIDC Ahmednagar 414111
2	Design and Development of Fixture	05	Husiraz Engineers Pvt. Ltd.Bhosari,Pune
3	Implementation of material requirement planning in small scale industry	04	Newtech Engineers Sr No. 11/3 , Shantinagar, Landewadi, Bhosri, Pune39
4	Design Prototyping and Analysis of Dial Gauge using Compliant Mechanisms	04	S No 32/9/12, Swapnapurti, Near Avdhoot Complex, Ambegaon Budruk, Behind Bharati Vidyapeeth, Pune,411016
Total	04	17	04

● **Students Internship summary:**

Sr. No	Name of student	Class	Course	Name of Company	Duration	Period Start	Period End
1	Samruddhi Rajesh Deshmukh	BE	Production Engg	Greenolite Industries MIDC SIDCO, Nanded - 431 603	21 Days	1/4/2020	21/4/2020
2	Omkar Lekurwale	BE	Production Engg	Ahmednagar Auto and Engineering Association – Auto Cluster	21 Days	08/12/2019	28/12/2019
3	Ritivik Jog	BE	Production Engg	Boston Consulting Group & École des ponts ParisTech	30 Days	21/7/2020	21/7/2020
4	Shubham Bhapkar	BE	Production Engg	Vaibhavi Automotives, Phaltan	28 Days	01/06/2019	28/06/2019
5	Yash Zalani	BE	Production Engg	UC Sandiego,California ,USA	21 days	14/8/2020	4/9/2020
6	Vrushabh Thape	BE	Production Engg	1600 Amphitheatre Parkway, Mountain View, California, US	50 Days	4/5/20202	23/6/2020
7	Hrishikesh Sawant	BE	Production Engg	The Boston Consulting Group and École des ponts ParisTech	26 Days	31/7/2020	25/7/2020
8	Samruddhi Rajesh Deshmukh	BE	Production Engg	Greenolite Industries MIDC SIDCO, Nanded - 431 603	21 Days	1/4/2020	21/4/2020
9	Nirbhay Ravindra Khadkikar	BE	Production Engg	Greenolite Industries MIDC SIDCO, Nanded - 431 603	21 Days	1/4/2020	21/4/2020

10	Onkar More	BE	Production Engg	Pacific Agro Technology, Baramati Pune	21 Days	13/12/2019	04/01/2020
11	Ranjit Dhavale	BE	Production Engg	Coursera (Southern Polytechnic College of Engineering and Engineering Technology Kennesaw State University)	28 Days	16/5/2020	12/6/2020
12	Yashwant Bhujbal	BE	Production Engg	Autodesk	28 Days	23/7/2020	13/8/2020
13	Vithoba Shridhar Mahajan	BE	Production Engg	JP Extrusiontech GIDC Ankaleshwar 02 District: - Bharuch,Gujrat State India	22 Days	10/12/2019	31/12/2019
14	Sanket Ashok Deshmane	BE	Production Engg	Coursera,SUNY The state university of New york USA	15 Days	1/5/2020	15/5/2020

- **Students Internship details:**

Sr. No.	Department	No of Internship by students	
		UG	PG
1.	Biotechnology		
2.	Chemical Engineering		
3.	Civil Engineering		
4.	Computer Engineering		
5.	E&TC Engineering		
6.	Information Technology		
7.	Mechanical Engineering		
8.	Production Engineering	14	
9.	MBA		
Subtotal			
Total			

Events organized - Nil

Sr. No.	Name of Department	Class	Name of activity	Date	No. of students participated
1					
2	Production				
3					

15. Spoken Tutorial Project at SCOE: - Nil

Sinhgad College of Engineering is a focused on the overall growth of students. In the same view, a step was taken in association with IIT, Bombay through the Spoken Tutorial Project.

The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP &MySQL, Java, C/C++, and Library Office etc. via an easy Video tool - Spoken Tutorial. This is an initiative of National Mission on Education through Information and Communication Technology (ICT),launched by the Ministry of Human Resources and Development, Government of India to promote IT literacy through Open Source Software.

In the academic year 2015-16 students from Computer Engineering, Information Technology and Electronics and Telecommunication participated in various modules such as C, C++, JAVA, PYTHON, and LaTeX. The respective departments conducted the workshops and certification tests. It is my pleasure to share that total **1888** students appeared for various modules and **1670** got the success in getting the certification.The successful candidates were provided with a certificate from IIT Bombay, Spoken Tutorial Project.

The department wise results for various modules are as follows.

Sinhgad College of Engineering, Vadgaon(Bk), Pune-41										
Spoken Tutorial Project Report 2018-2019 Semester I										
Mechanical Engineering				Production Engineering				Chemical Engineering		
Module Name	Students Attended Workshop	Students Cleared Test		Module Name	Students Attended Workshop	Students Cleared Test		Module Name	Students Attended Workshop	Students Cleared Test
Students Attended Workshop :										
Students Cleared Test and Received Certification (As on Today):										

16. Employability Skill Development (ESD) Program from Zensar: -Nil

17. Placement, Higher Studies, Self-Employment:

Sr. No.	Year	2020-21
i	Total No. of students placed including off campus	10
ii	No. of students going for higher studies	03
iii	No. of students self employed	01
iv	Total (I + ii + iii)	14
v	Total students in final year	51
vi	$\% \; placement \; = \dfrac{i + ii + iii}{v}$	27.45 %

.No	Placement date	Name of Company	No of student place
1	28 & 30 Sept 2020	Infosys	2

2	15 & 16 Oct 2020	Cognizant IT Operation	1
3	18 May 2021	AppitSimple Infotek Pvt Ltd	1
4	6 January 2021	Amazon	1
5	4 May 2021	Byjus	2
6	19 March 2021	TATA Electronics	1
7	18 Oct 2020	Accenture	2

18. Students Achievements:

Sr. No.	Name Of The Student	Activity	Organizer	Prize/Rank
1	Bhushan Patil	BAJA SAEINDIA 2020 on 22-26 Jan 2020	SAEINDIA at Pithampur Madhya Pradesh.	4th rank in design/out of 120
2	Prajwal Dod	BAJA SAEINDIA 2020 on 22-26 Jan 2020	SAEINDIA at Pithampur Madhya Pradesh.	4th rank in design/out of 120
3	Pranav Pagdal	BAJA SAEINDIA 2020 on 22-26 Jan 2020	SAEINDIA at Pithampur Madhya Pradesh.	4th rank in design/out of 120
4	Kakad Siddhesh	Annual Spaceport America cup 19-22 June 2020	New Mexico Authority, America	Participation
5	More Shubham	Annual Spaceport America cup 19-22 June 2020	New Mexico Authority, America	Participation
6				

19. GRE/TOEFL/GATE/IELTS/MPSC/UPSC- Nil

	GRE	IELTS	CAT	CET	GATE
2020-21	-	-		-	

20. NSS Activity:

Sr. No	Activity Name	Date	Place	No. Of Teachers Coordinate Activity

1.	NSS Wari 2020	29th June to 7th July 2020	Respective Volunteer's Home	1
2.	Doctor's Day	1st July 2020	Online Platform(ZOOM)	1
3.	Prerana Camp 2020	11th to 15th July 2020	Online Platform(YouTube)	1
4.	Donation Drive To SumatiBalwan	22nd – 25th July 2020	Online Transactions	1
5.	New volunteer selection and Induction program	22nd August - 13th September 2020	Online Platform(Microsoftt eams)	1
6.	MuktSanvadTeachersDay Activity	5th September, 2020	Online Platform(ZOOM)	1
7.	Tree Plantation	24th to 30th September 2020	Respective Volunteer's Home	1
8.	World Tourism Day	27th September 2020	Online Platform(Microsoftt eams)	1
9.	Mahatma Gandhi Jayanti	2nd October 2020	Online Platform(Microsoftt eams)	1
10	Tree Plantation	8th – 30th June 2020	Respective Volunteer's Home	1
11	International Yoga Day	21st June 2020	Online Platform (ZOOM)	1

12	Kargil Vijay Diwas2020	26th July 2020	Online Platform (Microsoft teams)	1

Department of Masters in Business Administration

Academic Report 2020-21

STES Sinhgad College of Engineering

Vadgaon (Bk), Pune – 41

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1. Mission:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

2. Quality Policy:

Quality Policy aims to establish Centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing an excellent teaching learning process by establishing a cohesive bond between students & faculty and a healthy atmosphere with decent discipline.

3. Goals:

· **Long Term Goals**

1. To establish Research Centre as Centre of Excellence in Engineering Research and Development

2. To seek Academic Autonomy leading to University status

3. To develop an Engineering Knowledge Centre of Society in general

4. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.

Short Term Goals

1. To add new Post Graduate and Ph.D. programs

2. To motivate and depute faculty for Doctoral Programs

3. To improve the interaction with institutes of national and international repute and industries from various fields of engineering

4. Students Intake:

PG Intake:

Sr. No.	Program	No. of Seats
1.	MBA	60

5. Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface
● Teaching Plan ● Self-Learning Sessions. ● Attendance ● Teacher Guardian Scheme ● Mock Online exams ● Value addition programmes ● Student Training Programmes (STP) ● Open Feedback ● Unit Tests, Prelims ● Well defined Internal Assessment Scheme ● MBA Project Competition	● Employability Improvement ● Technical Presentations ● Soft Skills training ● Invited talks by Industry Experts/ academicians ● Management festivals ● Industry Projects / Project Exhibitions ● Industry visits ● Alumni Meet ● Teachers' Day ● MBA Farewell function ● Social / Cultural Programs/ Sports	● In-house Training (Personal Interactions, Meetings / quality improvement programmes ● Industry exposure ● Participation in workshops conducted by Industries / other institutes of eminence ● Motivation for higher Education ● Campus Connect / extension programmes ● Industrial visits ● Training & Placement Activities ● Seminars & Conferences ● Faculty Development Program for Case Study ● Vocational Training for students/ Industrial visits

6. Faculty Position:

Sr. No.	Department	Professors	Associate Professor	Assistant Professor	Total
1.	MBA	01	03	01	05

7. Faculty Qualification:

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc. MBA	BE/B.Tech.	Total
1.	MBA	5	-		5

8. Faculty Pursuing Ph.D.:

Sr. No.	Department	Pursuing Ph.D.
1.	MBA	-

9. Research Activities:

Research projects

a. Industry /NGO/Govt. – Sponsored ongoing projects undertaken by Faculty

Sr. No	Title	Name of funding / Sponsoring agency	Total grant sanctioned
1	-	Nil	-

b. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned
1	Nil	-

c.List of Publications – Journals

Sr. No.	Department	Number of Publications
1.	MBA	5

Research publications in Journals notified on U.G.C. Website

Sr. No	Title of paper	Name of Publication	Impact factor of Journal	Citations of Paper
1	Dr. Ujjwal Mishra, A Study of Financial Statement Analysis on the Basis of Ratio Analysis at Bajaj Steel Industries Pvt. Ltd. Nagpur	International Journal of Innovative Science and Research Technology,ISSN No:-2456-2165,Volume 6, Issue 2, February – 2021 pp 453-458	6.2	**Nil**
2	Dr. Ujjwal Mishra, Comparative analysis of selected mutual funds in tax saver category,	Scopus Indexed UGC care Group II, certified journal, ISSN 1567-214X, Volume 18, Issue 7, pp 2325-2337.	SJR 0.11	**Nil**
2	Dr. Irfan Siddiqui , A Mathematical Study Of Size Biased Basic	International Journal of Agricultural and Statistical Sciences ISSN : 0973-1903 Vol. 16, No. 2, pp. 583-588,(2020). The Journal is	.156	**Nil**

	Distribution Of Sabir (Sbbds),	abstracted/indexed in web of science and Scopus		
3	Dr. Archana Borde, "A Comparative Study on Various Digital Payment Modes in the Modern Era"	"National Journal of Research in Marketing, Finance & HRM" ISSN: 2455-5398 Volume: 5 No.2	Nil	**Nil**
4	Dr. Archana Borde ,"A Study on New Startups Era in Medical System for Life Line and Defender of Humans"	"Research Journey-Peer Reviewed Multidisciplinary International Journal" "E-ISSN :2348-7143 November. 2020 ISSN-2348-7143	6.625	**Nil**
5	Dr. Archana Borde "A Study of Predicament of Startup Ventures on Pandemic "	Research Journey-Peer Reviewed Multidisciplinary International Journal" E-ISSN : 2348-7143 November. 2020	6.625	**Nil**
6	Dr Shanta Arakeri & Dharmaraj Hazarika "Educational attainment among tea garden community in Dibrugarh District of Assam"	The book COVID-19 2nd KMA online National Conference. Business Management sustainability & Post Covid 19 Economy. 30TH APRIL 2020. ISBN: 978-93-88520-95-9.pp 86-98.	Nil	**Nil**
7	Dr Shanta Arakeri Deepti Kenjale Khopkar "Behavioral change in people due to COVID 19 situation"	Journal of applied management and advanced research volume 2,Issue No2 (July- December 2020) ISSN:2582-2306	Nil	**Nil**

| 8 | Analysis of various Investment avenues in India' | International Journal of Innovative Science and Research Technology, ISSN: 2456-2165, Vol 5, Issue 6, June 2020 | | **Nil** |

FDP/STTP/Workshop/Conferences Organized:

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	MBA	19

FDP/STTP/Workshop/Conferences Attended by Faculty:

Sr. No.	Name of the Faculty	STTP/Workshop/Conferences Attended
1	Dr. Ujjwal Mishra	NPTEL/SWAYAM Refresher/Orientation/FDP Financial Management for managers Jan-April 2020, July 2021
2	Dr. Ujjwal Mishra	Participated in National Webinar on "Investment Opportunities and Challenges faced by young Investors in Capital Market" held on 11 July, 2020 in collaboration with SEBI, BSE AND CDSL
3	Dr. Ujjwal Mishra	Participated in "Two Days e-Faculty Development Programme on MBA CBCS & GS OBE Pattern in Financial Management Specialization" on July 07 & July 08, 2020.
4	Dr. Ujjwal Mishra	Online FDP on HRM Specialization Sem III DYPIMS and SPPU as on 22nd July 2020
5	Dr. Ujjwal Mishra	Attended online Webinar on the topic Man making Education by NBN Sinhgad School of Management Studies as on 28th July 2020
6	Dr. Ujjwal Mishra	Two days National Level online FDP on Writing and Publishing Quality research paper at RMD Sinhgad School of Management Studies as on19th and 20th July 2020
7	Dr. Ujjwal Mishra	Participate in online e FDP on MBA CBCS and GS , OBE pattern by SPPU and DIMR Institute as on 31st July 2020.
8	Dr. Ujjwal Mishra	Participate in International Webinar on Wellness and Mental Health care in COVID 19,by PIBM Institute as on 24 th July 2020

9	Dr. Ujjwal Mishra	Participated in an Online Development Webinar on "Digital Transformations and Management " by SCOE-MBA dept. as on August 04, 2020
10	Dr. Ujjwal Mishra	Participated in National Level Webinar on National Education Policy 2020 Higher Education, by BPHE society IQAC and Learning resource center Ahmednagar as on 13th Aug 2020.
11	Dr. Ujjwal Mishra	Participated in the Webinar on "National Education Policy 2020: Radical or Rhetoric Sadhu Vaswani Institute of Management Studies for Girls, Pune as on 8th Aug 2020
12	Dr. Ujjwal Mishra	Attended Teachers Conference on Empowering Educators, The Institute of Company Secretaries of India Faridabad Chapter as on 19 Sep.2020
13	Dr. Ujjwal Mishra	IQAC INITIATIVE: National Level Webinar on "Impact of Covid 19 Outbreak on Various Business Sectors In India"Smt Somavva c Angadi Government First Grade College, K.K.Koppa as on 1 Sep 2020
14	Dr. Ujjwal Mishra	Participating in the AICTE Sponsored Two-days International E-conference on "Emerging Issues ,Opportunities and Challenges in Startups" Organised by Amrutvahini Institute of MBA,Sangamner on 21st & 22nd October,2020.
15	Dr. Ujjwal Mishra	Online International Level Faculty development Workshop on CCEs through Google Classroom bt DYPIMS Pune, as on 6th Nov. 2020
16	Dr. Ujjwal Mishra	Webinar on Intellectual Property and Innovation Management in Academia conducted by RM Dhariwal Sinhgad Management School Kondhapuri, as on 11th Nov. 2020
17	Dr. Ujjwal Mishra	"Effective Teaching and Learning with Digital Tools"Internal Quality Assurance Cell (IQAC) , Nishitha Degree College, Nizamabad, 10th March 2021
18	Dr. Ujjwal Mishra	ASMA school Leadership Conclave, How the Business School Utilize Technologies to effectively allocate resources and improve learning delivery 17 March 2021
19	Dr. Ujjwal Mishra	Research Methodology Symposium Daopher University OMAN , 30th Dec 2020
20	Dr. Ujjwal Mishra	National Webinar, "STRATEGY FOR MANAGING PERSONAL FINANCE INCLUDING MUTUAL FUNDS DURING & AFTER COVID-19" AMFI and SEBI 25th Dec 2020
21	Dr. Ujjwal Mishra	Skill Training on FDP Master Marketing series 4 E-commerce and Digital Marketing 01 June -04 June 2021. Organized by Pune Institute of Business Management and Skill India.
22	Dr. Ujjwal Mishra	Participation in National Conference on Cognitive Computing NCCC-2021, Organized by NBN Sinhgad Technical Institute Campus Pune on June 28-June30 2021.

23	Dr. Irfan Siddiqui	Attended FDP On Operations and Supply Chain Management on 24th Jul 2020, jointly organized by MBA@IICMR & SP Pune University
24	Dr. Irfan Siddiqui	Attended the Symposium entitled: Research Methodology, organized by Dept. of Mathematics and Sciences on Wednesday, December 30, 2020
25	Dr. Irfan Siddiqui	Participated and presented a research proposal " A Study on customer preferences while choosing online grocery platform"Seven Day Faculty Development Workshop titled 'Developing Research Skills' held from 29th January 2021 to 5th February 2021 at SVIMS
26	Dr. Irfan Siddiqui	Participated in AICTE approved STTP on Business Analytics organized by Indira School of Business Studies in association with AICTE from 15th Feb to 20th Feb 2021
27	Dr. Archana Borde	Attended online two days International E-Conference on Emerging Issues, Opportunities and Challenges in Startups 21st and 22nd Oct 2020
26	Dr. Archana Borde	ATAL FDP on Digital Marketing 2nd Sep to 6thSep 2020
27	Dr. Archana Borde	Government of India Ministry of Human Resource Development 15 days Faculty Development Program 25th July - 10th Aug 2020
28	Dr. Archana Borde	One day FDP cum workshop on Summative Education Based and Outcome Based Education 24th Aug 2020
29	Dr. Archana Borde	Faculty Development Program on Effective and Efficient online teaching and content development 8th to 9th July 2020
30	Dr. Archana Borde	Faculty Development workshop on "Writing and Publishing Quality Research Papers in Scholarly top tier Journals" 19th - 20th Jul 2020
31	Dr. Archana Borde	FDP on MBA "CBCS & CS OBE Pattern in Organization and Management Board for Sem 3 1st July 2020
32	Dr. Archana Borde	Online FDP on MBA HRM Specialization 22nd July 2020
33	Dr. Archana Borde	FDP on "New Paradigms in e-learning Tools and techniques for Teaching Learning" 17-19 July 2020
34	Dr. Archana Borde	National Level faculty Development Program on "Insight into Intellectual Property rights"30th -31 st July 2020
35	Dr. Archana Borde	National level webinar on "Role of Teachers in Academic Research" 28th -29th July 2020

36	Dr. Archana Borde	National Level Webinar on "National Education Policy 2020"13th August 2020
37	Dr. Archana Borde	Online Development Webinar on "Digital Transformations and Management'4th August 2020
38	Dr. Archana Borde	"National Level Webinar Series"1st September 2020
39	Dr. Archana Borde	International Webinar on Transforming Education through Global Collaboration-The Roadmap 15-17 th July 2020
40	Dr. Archana Borde	Participated in National E Conference on CSR Impetus: Rural Development and Sustainable Growth in India 3rd December 2020
41	Dr. Shanta Arakeri	ARPIT Refresher Course in Economics .29th August 2020
42	Dr. Shanta Arakeri	Attended Faculty Development Program on "Action Learning"organised by SIBACA Lonavala. On Google Meet Platform.8TH AUGUST 2020
43	Dr. Shanta Arakeri	Internal Quality Assurance Cell & Institute Social Responsibility Cell organized "Online Awareness Programme about COVID - 19" CERTIFICATE OF APPRECIATION Has solemnly pledged and participated in the "Online Awareness Programme about COVID - 19" Part - I organized by "S. B. Patil Institute of Management" and "Pune Business School"31st May 2020.
44	Dr. Shanta Arakeri	Participated in the online webinar organized by BLDEA's A S Patil College of Commerce (Autonomous) 29th July, 2020.
45	Dr. Shanta Arakeri	Online faculty development Programme for MBA HRM specialization semester III & IV organized by DYPIMS& SPPU.22 July 2020
46	Dr. Shanta Arakeri	Participated in the Online Refresher Programme on "MBA - PPC (MANAGEMENT, BUSINESS, ADMINISTRATION - PRESENT & POST CRISIS)" Organized by Continual & Advanced Learning Lounge (CALL), SA Curricula Advanced Support System. 14th April to 4t May 2020
47	Dr. Shanta Arakeri	Achievement certificate 2 Days faculty development programme on effective and efficient online teaching and content development.8th & 9th of July 2020.

48	Dr. Shanta Arakeri	Participated in the National Workshop on Role of Non-teaching Staff Members in NAAC Accreditation held at R. J. College (Mumbai).27th to 29th April, 2020
49	Dr. Shanta Arakeri	Participated in a two days national level online Faculty Development workshop on " Writing and Publishing Quality Research papers in scholarly top tier Journals" from July 19 2020 to July 20,2020 .RMD.
50	Dr. Shanta Arakeri	Participated in the online contest on TEACHING AND RESEARCH APTITUDE organized by the Department of BCA. We appreciate his/her valuable participation.29th to 30th April 2020
51	Dr. Shanta Arakeri	Participated in Four days webinar on "Effective Research paper writing skills from Bhagwan Mahaveer university. April 13-16-2020.
52	Dr. Shanta Arakeri	For actively participating in the AICTE Sponsored Two-days International E-conference on "Emerging Issues ,Opportunities and Challenges in Startups" Organized by Amrutvahini Institute of MBA,Sangamner 21st & 22nd October,2020
53	Dr. Shanta Arakeri	Participated and presented paper titled Education led attainment among tea garden community dibrugarh district of Assam in the 2nd KMA online National conference on Business Management sustainability and post covid economy by Karnataka Management Association 30th April 2020
54	Dr. Shanta Arakeri	Participated in one week online Multi-Disciplinary Faculty Development Programme "MOOCs, E-Content Development and OER obtained the grade A.28th May to 3rd June 2020
55	Dr. Shanta Arakeri	Participated in the International Faculty Development programme conducted by AIMIT. 24th April 2020
56	Dr. Shanta Arakeri	Development programme organized on "PHP AND My SQL'' by spoken tutorial project IIT Bombay remotely at smt.Kashibai Navale College of Engineering Pune 24th April to 30th April2020
57	Dr. Shanta Arakeri	participated in an International Conference on the web entitled Covid 19 Roadmap to a future environment organized by the Development of botany St. John's College Agra,India.5th June 2020

58	Dr. Shanta Arakeri	Participated in a One Day International Webinar on "Research Methodology – Defining and Redefining". By NEVILLE WADIA INSTITUTE OF MANAGEMENT STUDIES & RESEARCH. April 28th, 2020
59	Dr. Shanta Arakeri	Webinar programme on "How to be secured in the Digital Era", organized by the Department of Business Administration, SRM Institute of Science and Technology. 5th May2020
60	Dr. Shanta Arakeri	Participated in Two Days National Level Webinar on Post COVID Scenario: Challenges and Opportunities in Higher Education and Indian Economy. By Annasaheb Magar Mhavidylaya Hadapsar Pune 19th and 20th May 2020.
61	Dr. Shanta Arakeri	National workshop online case study analysis and presentation 24.Govt first grade college,Hungund participated in one week online multi-Disciplinary24th May 2020.
62	Dr. Shanta Arakeri	NBN Sinhgad School of Engineering(Approved by AICTE, Recognized by Gov. of Maharashtra & Affiliated to Savitribai Phule Pune University) Department of Electronics & Telecommunication Engineering and NBN Sinhgad School of Management Studies Organized Online One Week Online Symposium on "Effective Management" organized for the period March 08-13, 2021 to enhance interpersonal Relationship and boost individual personality.
63	Dr. Shanta Arakeri	Business Analytics' Indira school of business studies in association withal India Council for Technical Education (AICTE) FROM 15TH February 2021 to 20th February2021 AICTE approved vide letter No. 34/36/244/FDC/STTP policy-I/2019-20 Short Term Training Programme(STTP) under AQIS 2019-20.
64	Dr. Shanta Arakeri	Ajanky DY PATIL research center International faculty development programme on research from 15th March to 23rd March 2021 on virtual mode.
65	Dr. Shanta Arakeri	Participated in Research Methodology organized by dept. of mathematics and science Wednesday 30th December 2020 online Oman

66	Dr. Shanta Arakeri	AICTE sponsored Six Days Online Short Term Training Programme (STTP) on "CONTEMPORARY TOPICS IN MARKETING'' held from December14–19,2020 organized by the Department of MBA of AjayBinayInstitute of Technology, Cuttackin association with the All India Council for Technical Education (AICTE),New Delhi.
67	Dr. Shanta Arakeri	One Week Online Faculty Development Program on "**Research Trends in Computer Engineering and Information Technology (RTCEIT-2021)"** Organized by Department of Computer Engineering, Smt. Kashibai Navale College of Engineering, from 4th to 9th January 2021.
68	Dr. Shanta Arakeri	INTERNET AND CHILDREN Dr. Mandeep Kaur Editor-in Chief, IJMRT 12th January, 2021 Sanghamitra Kar Director, Shalvi Infofine Pvt. Ltd, Odisha This is to certify that Mr./Mrs. Dr. Shanta Arakeri Sinhgad college of engineering department of management studies has participated in a webinar on "Internet and Children" organized by LIISPRING, Odisha and IJMRT, Haryana, India on 12th January 2021.
69	Dr. Mamta Mishra	Digital Transformations and Management, August 2020
70	Dr. Mamta Mishra	Webinar on Impact of Online Technology on Teacher's Approach to Teaching and Student Learning, 15th August 2020
71	Dr. Mamta Mishra	One Week Symposium on Affective Management under IEEE Pune Section, Certificate no. NBN SMA033, 8-13 March 2021
72	Dr. Mamta Mishra	Fundamental of Digital Marketing, Google Digital Unlocked. Certificate id: S4D C2D RUF, http://learndigital.withgoogle.com/link/1tb5mplmosg, April 2021, Google Garage
73	Dr. Mamta Mishra	STTP, Professors' Pedagogical Practice, June 8-13 2021, D Y Patil B School, Pune, Politeknik Negeri Tanah Laut, Indonesia and Association of Indian Management Schools, India

74	Dr. Mamta Mishra	2 weeks FDP on Challenges in Multidisciplinary Research, Certificate No. MGV/IMR/ISO/21/02/FDP, June 15-29 2021, MGVs Institute of Management and Research, Nashik
75	Dr. Mamta Mishra	FDP under QIP, IQAC on How to choose a journal for publishing research paper and qualitative and quantitative decisions, 26th June 2021, Global Institute of Business Studies

Workshops / Seminars / Conferences:

    a.   No. of Workshops / Seminars / Conferences etc. – Organized

Sr. No	Title	Name of Dept.	Period From - To	No. of Participants
1	"How to keep Performance up to the mark, Practical Life requirements- Insights"	MBA	11/9/2020	50
2	Business Development	MBA	12/08/20	40
3	Marketing concept	MBA	13/8/2020	40
4	Integrated Marketing Communication	MBA	18/8/2020	50
5	Business Development	MBA	18/9/2020	55
6	"Unlearn "	MBA	10/12/2020	45
7	Preparing for Interviews.	MBA	23/10/2020	55
8	Training Academy Business and life Coach, Entrepreneur and Author	MBA	4/2/2021	70

9	Let your CV speak about you	MBA	4/2/2021	80
10	Current trends in Corporate world	MBA	4/2/2021	60
11	HR and Skill development	MBA	4/2/2021	65
12	Creativity and problem solving	MBA	8/2/2021	192
13	BSE-Capital Market awareness program.	MBA	11/2/2021	55
14	International seminar on Contemporary issues in resent Business	MBA	23/2/2021	427
15	National level Webinar on Digital Business	MBA	25/02/2021	260
16	Women's Day celebration	MBA	7/3/2021	125
17	Lecture series on Introduction to Constitution	MBA	23/03/2021 to 26/03/2021	152
18	Human Right Education	MBA	26/03/2021	70

b.   FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc – Attended by faculty(Individual Faculty)

Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period(Mention the dates)
1	Dr. Ujjwal Mishra	AICTE Training And Learning (ATAL) Academy Online FDP on "Technology Management" 2020-8-24 to 2020-8-28 at Delhi Technological University	AICTE-ATAL	05 day
2	Dr. Ujjwal Mishra	AICTE Training And Learning (ATAL) Academy Online FDP on	AICTE-ATAL	05 days

		"Real Estate" 08/02/2021 to 12/02/2021, 5 days Chh.Shahu Institute Of Business Education & Research		
3	Dr. Ujjwal Mishra	AICTE Training And Learning (ATAL) Academy Online FDP on "Organization Behaviour" 15/02/2021-19/02/2021, 05 Days St. Pious X Degree & PG College For Women	AICTE-ATAL	05 days
4	Dr. Ujjwal Mishra	One week online STTP Teaching and Learning Pedagogies Funded by AICTE and AQIS scheme as on 7th sep to 12th Sep 2020	AICTE	1 Week
5	Dr. Archana Borde	AICTE Sponsored Short term training program series on Emerging trends in Digital Analytics.		24th Oct to 29th Oct 2020
6	Dr. Archana Borde	AICTE Sponsored STTP on Digital Analytics.		5th Oct to 10th Oct 2020
7	Dr. Archana Borde	Partic AICTE approved STTP on Business Analytics organized	Indira School of Business Studies	15th Feb to 20th Feb 2021
8	Dr. Shanta Arakeri	Partic AICTE approved STTP on Business Analytics organized	Indira School of Business Studies	15th Feb to 20th Feb 2021
9	Dr Shanta Arakeri	the AICTE sponsored Six Days Online Short Term Training Program	Department of MBA of Ajay Binay Institute of Technology, Cuttack in association with the All India Council for Technical Education (New Delhi.	22nd 27 th February 2021

10. University Results:

Give the Percentage of university results without backlog / ATKT for the last four years

Year	Previous P (2020-21)	P-1 (2019-20)	P-2 (2018-19)	P-3 (2017-18)
First Year	-	98.28	74.42	82.76
Second Year	-	95.35	94.83	100%

Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE
1.	MBA	NA	NA	NA

11. Value Added courses during current year:

Sr. No.	Department	Title	Conducted by	Duration From - To	No. of Students Enrolled
1.	MBA	Lean Six Sigma	AIQM	6/7/2020 to 29/7/2020	45
2	MBA	Lean Six Sigma	AIQM	3rd June 5th June and 11th and 12th June	36
3	MBA	Problem solving and creative thinking	ISTD		250
4	MBA	Capital Markets	BSE and Lotus Group	11/02/2021	150

12. Memorandum of Understanding (MoUs)

Sr. No.	Department	No of MoUs
1.	MBA	02

Sr. No	Date of the MoU	Name of the Industry / Organization	Purpose	Outcome
1	6th July to 29th July 2020	Asian Management Training Centre Six Sigma	Various Quality Management value added courses.	Students will learn various technique and tools of quality Management Practices
2	8 th Feb 2021	Indian Society of training and development	To acquaint students with various training activities	Industry Interface

13. Industrial Visits

Sr. No.	Department	No. Industrial Visits
1.	MBA	0

Sr. No	Date of Visit	Name of the Industry / Organization	Location	Objective	Outcome
1	-	-	-	-	-

14. Student Projects

Sr. No.	Department	No of projects by students	
		UG	PG
1.	MBA	-	58

Field/ Industrial Projects for students during current year

Sr. No	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
1.	Nil	Nil	Nil

· **Students Internship summary:**

Sr. No.	Department	No of Internship by students	
		UG	PG
1.	MBA	-	58

Students Internship details:

Sr. No	Name of student	Class	Course	Name of Company	Duration	Period
1	AKSHAY SATPUTE	MBAII	MBA	SBI	Two Months	May-July 2020
2	AKSHAY VISHNU INGALKAR	MBAII	MBA	SBI	Two Months	May-July 2020
3	DEVANAND BABAN CHATUR	MBAII	MBA	Bank of Maharashtra	Two Months	May-July 2020
4	KISHOR KAMBLE	MBAII	MBA	Desk Research	Two Months	May-July 2020

5	OMKAR RAJESH BAGADE	MBAII	MBA	Desk Research	Two Months	May-July 2020
6	PRACHI SINGH	MBAII	MBA	Edelweiss Financial Service	Two Months	May-July 2020
7	PRIYANKA PANPALIYA	MBAII	MBA	Bajaj Steel Industries Pvt.Ltd	Two Months	May-July 2020
8	SANKET KOTHULE	MBAII	MBA	Desk Research	Two Months	May-July 2020
9	SANKET SANJAY BAJAJ	MBAII	MBA	Desk Research	Two Months	May-July 2020
10	SHACHI SUNIL SAHAL	MBAII	MBA	Desk Research	Two Months	May-July 2020
11	SHIVANI SATISH BAJAJ	MBAII	MBA	Desk Research	Two Months	May-July 2020
12	SWEKCHA YADAV	MBAII	MBA	CEAT Tyres	Two Months	May-July 2020
13	VAISHNAVI KHANDELWAL	MBAII	MBA	Desk Research	Two Months	May-July 2020
14	VRUSHALI GAWARGURU	MBAII	MBA	Desk Research	Two Months	May-July 2020
15	ACHAL KAGADKAR	MBAII	MBA	Urdhvam Environmental Technologies PVT LTD.	Two Months	May-July 2020
16	KRUTIKA RAJAS DOLE	MBAII	MBA	Desk Research	Two Months	May-July 2020
17	NIKKY JAMBHULKAR	MBAII	MBA	Wocially - India's social commerce platform	Two Months	May-July 2020
18	PATIL TEJAL AVINASH	MBAII	MBA	Desk Research	Two Months	May-July 2020

19	PURVA RAMESH SULE	MBAII	MBA	Desk Research	Two Months	May-July 2020
20	RESHU KALIKA SINGH	MBAII	MBA	Desk Research	Two Months	May-July 2020
21	SAMIKSHA SATAM	MBAII	MBA	Desk Research	Two Months	May-July 2020
22	SHWETA THORAT	MBAII	MBA	Gurudev Technique PVT LTD	Two Months	May-July 2020
23	RAHUL MUKNE	MBAII	MBA	Desk Research	Two Months	May-July 2020
24	SAGAR DESHMUKH	MBAII	MBA	Just dial ltd	Two Months	May-July 2020
25	UJWAL DINKAR PATIL	MBAII	MBA	Desk Research	Two Months	May-July 2020
26	UMESH SHEWALE	MBAII	MBA	Desk Research	Two Months	May-July 2020
27	ADITYA GUPTA	MBAII	MBA	Desk Research	Two Months	May-July 2020
28	AMOL BHOSALE	MBAII	MBA	Desk Research	Two Months	May-July 2020
29	ANIT KUMAR	MBAII	MBA	Desk Research	Two Months	May-July 2020
30	ANKITA BAGUL	MBAII	MBA	Desk Research	Two Months	May-July 2020
31	ASHISH RANJAN	MBAII	MBA	INSPLORE TLS CONSULTANT PVT. LTD	Two Months	May-July 2020
32	CHAUDHARI DILIPKUMAR	MBAII	MBA	Desk Research	Two Months	May-July 2020
33	DARSHAN SOMANI	MBAII	MBA	Desk Research	Two Months	May-July 2020

34	DHANANJAY RAKATE	MBAII	MBA	Desk Research	Two Months	May-July 2020
35	DIPALI AGRAWAL	MBAII	MBA	Jmarathon Advisory Service Pvt Ltd	Two Months	May-July 2020
36	GAURIJ DINKAR	MBAII	MBA	Get lost (restaurant)	Two Months	May-July 2020
37	HRISHIKESH JADHAV	MBAII	MBA	Rudra Electric Motors showroom Chakan	Two Months	May-July 2020
38	JOSHI JAYESH	MBAII	MBA	Urdhvam Environmental technologies Pvt Ltd .& Bor charger.	Two Months	May-July 2020
39	KAMINI WAGH	MBAII	MBA	Desk Research	Two Months	May-July 2020
40	KAUSHALYA SAHU	MBAII	MBA	Desk Research	Two Months	May-July 2020
41	KAUSHIK MEHTA	MBAII	MBA	Desk Research	Two Months	May-July 2020
42	KRUNAL SONPAROTE	MBAII	MBA	Desk Research	Two Months	May-July 2020
43	MISHRA SAKET	MBAII	MBA	Desk Research	Two Months	May-July 2020
44	NITIN BHOPLE	MBAII	MBA	Desk Research	Two Months	May-July 2020
45	PRACHI MENDHE	MBAII	MBA	Desk Research	Two Months	May-July 2020
46	PRADEEP DHOKAR	MBAII	MBA	Desk Research	Two Months	May-July 2020
47	PRASAD PARKHE	MBAII	MBA	Desk Research	Two Months	May-July 2020
48	PRASAD SAWANT	MBAII	MBA	Desk Research	Two Months	May-July 2020

49	PRATIK GUJAR	MBAII	MBA	Desk Research	Two Months	May-July 2020
50	RENUKA RANE	MBAII	MBA	Unschool	Two Months	May-July 2020
51	SACHIT CHAUDANTE	MBAII	MBA	Desk Research	Two Months	May-July 2020
52	SAKSHI TAKE	MBAII	MBA	Desk Research	Two Months	May-July 2020
53	SATISH GHADE	MBAII	MBA	Hend Motors LLP	Two Months	May-July 2020
54	SAURABH SAMBHAJI KADAM	MBAII	MBA	Desk Research	Two Months	May-July 2020
55	SHAMLI GANGAMWAR	MBAII	MBA	Desk Research	Two Months	May-July 2020
56	SHUBHAM RAUT	MBAII	MBA	Desk Research	Two Months	May-July 2020
57	SNEHAL GAWANDE	MBAII	MBA	Gourami Inc. Ltd	Two Months	May-July 2020
58	TANVI MANEKAR	MBAII	MBA	Implore Consultants	Two Months	May-July 2020

15. Student training program (STP) Program

 Highlights:

As thousands of MBA graduate each year competition gets tougher and it is clearly not only "survival of the fittest " but "employ the best ". Keeping this in mind Sinhgad College of Engineering, Department of management studies conducts a training program which aims to improve the "employability" of students and in the development of following parameters.

- To improve Communication Skills

- To develop a fulgurous personality

- Instill a sense of discipline

- To create an exposure to the realities in the corporate world

- To improve analytical skills

The program is divided into three semesters, the first semester comprises 32 hours where the students are exposed to reading skills, writing skills, general knowledge and aptitude, along with introduction to case studies. The second semester comprises 29 hours where the focus is on simulation exercises, developing analytical skills, problem solving skills, self-analysis etc. The third semester comprises advanced reading and writing skills along with interview preparation. Thus the STP program conducted under the guidance of experienced faculty members aims for better employability. In SCOE MBA department the STP activities are aligned with various academic activities hence total participation of students is received.

16. Placement, Higher Studies, Self-Employment

Sr. No.	Year	2020-21	2019-20	2018-19
i	Total No. of students placed including off campus	20	44	50
ii	No. of students going for higher studies	-	2	4
iii	No. of students self employed	-	0	5
iv	Total (I + ii + iii)	58	46	59
v	Total students in final year	58	48	59

Sr. No	Placement date	Name of Company	No of student placed
1	05-12-2020	Wisteria Real Vision Pvt.Ltd.	1
2	23/01/2021	Property Pistol Realty Pvt.Ltd.	1
3	25/01/2021	Unique Institute of Higher Learning Pvt. Ltd.	1
4	25/01/2021	Applications Software Technology Private Limited (AST)	1
5	09-02-2021	ICICI BANK	4

6	02-03-2021	PwC	6
7	06-05-2021	Cognizant Technology Solutions India Private Limited	1
8	16/04/2021	Neeyamo	1
9	28/05/2021	Applications Software Technology Private Limited (AST)	1
10	28/05/2021	Techstep HR Solutions	1
11	10-06-2021	Metro Service	1

17. Students Achievements:

Sr. No.	Name Of The Student	Activity	Organizer	Prize/Rank
1.	-	-	-	-

Annual Academic Audit Report 2020-21

Department of Engineering Sciences (First Year Engineering)

VISION

To support the core engineering departments and produce graduates with fundamental knowledge and skills in Mathematics and Basic Sciences with acumen to be leaders amongst the generation of engineers.

MISSION

To incorporate the best pedagogical methods to deliver basic sciences to engineering students and to guide them in their extracurricular pursuits, challenge them to be proactive learners, deep thinkers and responsible citizens in early stages of their engineering education.

QUALITY POLICY

We the faculty, staff and students are dedicated to implement best practices in engineering education, and develop transparent procedures for the benefit of all stakeholders.

GOALS

- **Long Term Goals**

  - To acquire research based learning skills by faculty

  - To bridge the gap between Fundamental Sciences and Engineering

  - To prepare the students of first year engineering for comfortable transition to respective program of engineering through expert lectures and seminars

- **Short Term Goals**

  - More involvement of faculty in curriculum development of affiliated university

  - Support to core departments for guiding projects of students

  - To motivate the faculty for qualification up-gradation

  - To increase number of Journal publications

  -

Faculty Positions

Sr. No.	Professors	Associate Professor	Assistant Professor	Total
1	00	02	25	27

Research Activities:

Ph. D. Registered Faculty Members: 02

List of Publications

Research Publications in Journals:

Title of Paper	Name of Publication	Faculty	Impact Factor	Citations
"The implementation of graphene-based aerogel in the field of supercapacitor"	Nanotechnology, IOP Publishing	Dr S S. Pawar	3.874	6

FDPs/STTPs/Workshops/Conferences Organized

Engineering Sciences & FE Department has organized following events in the academic year 2020-21:

1. A Refresher Course on Ardunio and its Applications, 17th to 21st July 2020

   Coordinator: Prof. A. R. Dhamne

   Number of Participants: 35

STTPs/Workshops/Conferences Attended by Faculty

Sr. No.	Name of Faculty	STTP/Workshop/Conference Attended	Duration /Place
1.	Mr. V. K. Chaudhari	"Resilience in Crisis" by Heartfulness Education	1 Week/ Heartfulness Education
2.	Dr. S. S. Pawar	Online FDP on "Advanced Trends and Practices in IT"	one week/Department of Information Technology, Sinhgad Academy of Engineering, Pune.
3		Faculty Program on NBA	Bharati Vidyapeeth College Of Engineering, Navi Mumbai
4.		Online Faculty Development Program on "ARDUINO"	One week/ Department of Electronics Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur in association with Spoken Tutorial Project, Indian Institute of Technology, Bombay
5.		Online FDP on "Outcome Based Education"	3 Days/Department of Engineering Sciences, Sinhgad College of Engineering.
6.	Mrs. A. S. Kulkarni	Attended AICTE-ISTE Induction/RefresherProgram (Online) on "Improving Excellence in Teaching"	1 Week/ from 24th April 2021 to 30th April 2021 organized by Anantrao Pawar College of Engineering and Research, Pune

7.		"Faculty Development Program on Entrepreneurship Development"	2 week/ IEDC, Sandip Institute of Technology and Research Centre, Nashik sponsored by Department of Science and Technology, Government ofIndia
8.		FDP on "Pedagogical training for teacherson tools for online teaching learning and evaluation"	1 Week/SRTAMUN,Nande
9.		FDP on "Sophisticated analytical instruments: Principles and applications tochemical and material sciences:	1 week/SCOE,Chemical and Engg.Sciences dept.Pune
10	Mrs.S.R.Madure	FDP on 'An approach by first year engineering faculty towards outcome basededucation'	3 Days/ STES, SCOE, Pune
11		FDP on "Frontiers of Chemistry" organised by	1 week/ AIISMS's Pune
12		FDP on "Academic effectiveness- a newperspective"	1 week/ MANIT, Allhabad,Prayagraj
13		online AICTE-ISTE sponsored refresher program on"Recent developmentin advance materials"	1 week/ G H Raisoni college of Engineering, Pune
14		FDP on Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation	1 week/ School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
15		FDP on "Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences (SAIPACMS-2020)"	1 week/Sinhgad College of Engineering, Pune.
16		TEQIP-III sponsored (one week long) online Short-Term Course on "Emerging Materials: Properties, Applications and Characterization"	1 week/ Department of Metallurgical and Materials Engineering, Malaviya National Institute of Technology Jaipur.
17	Dr. A. K. Diwan	AICTE Approved workshop on Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education"	1 week/All India Council for Technical Education (AICTE)
18		AICTE-ISTE approved Orientation/Refresher Programme on "Innovative Teaching-Learning Methods"	1 week/ organized by Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati, Maharashtra.
19		AICTE Training And Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom"t	1 week/ Sardar Vallabhbhai National Institute of Technology Surat
20		FDP on "ACCELERATING INNOVATIONS IN MATERIAL SCIENCE - SURFACE CHARACTERIZATION"	1 week/ Department of Chemistry, BMS Institute of Technology & Management, Bengaluru, India
21		AICTE-ISTE Sponsored One Week Induction / Refresher programme on "Role of ICT in Teaching-Learning	1 week/ Department of Information Technology, Sanjivani College of Engineering,Kopargaon, Maharashtra

		Process"	
22		FDP on Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation	1 week/ School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
23		National Level Workshop on "Digital Transformation & Pedagogies"	1 week/ Government College of Engineering, Karad & Walchand College of Engineering, Sangli, Sponsored by AICTE, New Delhi & TEQIP III
24		AICTE Training And Learning (ATAL) Academy Online FDP on "Capacity Building"	1 week/ Visvesvaraya Technological University.
25		FDP on "ACCELERATING INNOVATIONS IN MATERIAL SCIENCE - SURFACE CHARACTERIZATION"	1 week/ Department of Chemistry, BMS Institute of Technology & Management, Bengaluru, India
26		AICTE-ISTE Sponsored One Week Induction / Refresher programme on "Role of ICT in Teaching-Learning Process"	1 week Department of Information Technology, Sanjivani College of Engineering, Kopargaon, Maharashtra.
27		FDP on 'Sophisticated Analytical Instruments, Principles ans Applications to Chemical and materials Sciences'	1 week/ STES, SCOE, Pune
28		Certification of ' Research methodology and Publication ethics'	7 weeks/ Abasaheb Garware College , Pune
29	Mrs. M. D. Jiwankar	FDP on 'Research methodology'	1 week/ Kamala Nehru Mahavidyalaya, Nagpur
30		NPTEL Online certification on 'Environmental Soil Chemistry'	12 weeks/ IIT Kharagpur
31		National workshop on 'Yoga for Health and mental well being'	1 week/ Maharashtra College of Arts, Science & Commerce, Mumbai.
32		FDP on 'Sophisticated Analytical Instruments, Principles ans Applications to Chemical and materials Sciences'	1 week/ organised by STES, SCOE, Pune
33		Online FDP on Latex	1 week/ IIT Mumbai
34	Mrs. S. S. Mane	Faculty Development Programme on"Academic Effectiveness: A New Perspective"	1 week
35		Online FDP on Latex	1 week/ IIT Mumbai
36	Mr. M. B. Diwate	Faculty Development Programme on"Academic Effectiveness: A New Perspective"	1 week
37		National Level Research Study on Framework and Strategies to Sustain Autonomy.	12 week/ NTTT&R, Bhopal
38	Dr. N. S. Chavan	Faculty Development Programme On Entrepreneurship Development	2 weeks/ NSTEDB, DST, GOI
39		Online FDP on Latex	1 week/ IIT Mumbai
40	Dr. Mrs. A. N. Chavan	Online Short Term Training Program On "Linear Algebra and Statistics for Engineers and Scientists"	1 week/ LA&SES-2020

41		FDP on Green and Secure Communication	1 week
42		National Level Faculty Development Program on Research Methodology	1 week
43	Dr. Mrs. T. A. Kotamkar	NPTEL online course on Speaking Effectively	8 weeks/NPTEL
44		Online FDP on Latex	1 week/ IIT Mumbai
45	Mrs. S. C. Lakade	Online FDP on Latex	1 week/ IIT Mumbai
46		NPTEL online course on linear algebra	12 weeks/IIT Mumbai
47	Ms. S. A. Gurav	FDP on Green & secure communication	1 week/Department of E&Tc,Sinhgad Institute of Technology, Lonavla
48		A national level refresher programme on Role of ICT in Teaching Learning process.	1 week/ Sanjivani college of engineering, Kopargaon
49		"Resilience in Crisis" by Heartfulness Education	1 Week/ Heartfulness Education
50	Ms. S. S. Jadhav	Online Short Term Training Program On "Linear Algebra and Statistics for Engineers and Scientists"	1 week/ LA&SES-2020
51		National level one week FDP on Green and secure Communications	1 week
52		FDP on Python	1 week
53		AICTE sponsored FDP on "Design of Nanoelectronics and Nanophotonic Devices Using Advanced Software Tools" (DONEPAST-2020) through Online mode,	2 weeks/ GITA Autonomous College, Bhubaneswar, Odisha, India.
54		TEQUIP III sponsored, online FDP on "Advanced Power System Protection"	1 week/ College of Engineering, Pune.
55		AICTE Training And Learning (ATAL) Academy Online FDP on "Electric Vehicles"	1 week/ All India Shri Shivaji Memorial Society's College of Engineering Pune
56	Dr. A. N. Sarwade	Training And Learning (ATAL) Academy Online FDP on "Electrical & Computer Engineering"	1 week/ College of Engineering, Pune.
57		TEQIP III Sponsored Five days online Workshop on "Advancements in Electrical Engineering: An Academic & Industrial Approach"	1 week/ National Institute of Technology, Silchar.
58		DTE Approved FDP on "Accreditation to Engineering & Professional Ethics (AEPE - 2020)"	1 week/Government College of Engineering, Nagpur
59		National Online Workshop on "LEARNING MANAGEMENT SYSTEM & E-CONTENT DEVELOPMENT TOOLS"	1 week/ Hindusthan College of Arts and Science, Coimbatore, Tamilnadu
60		DTE Approved FDP on "Accreditation to Engineering & Professional Ethics (AEPE - 2020)"	1 week/Government College of Engineering, Nagpur
61	Mr. S. J. Thanekar	AICTE Training And Learning (ATAL) Academy Online FDP on "Electric Vehicles"	1 week/ All India Shri Shivaji Memorial Society's College of Engineering Pune
62		Short course on "Learn to Design your own Solar Home System"	1 week/ Energy Swaraj Foundation
63	Mr. A. R. Dhamne	"Resilience in Crisis" by Heartfulness	1 Week/ Heartfulness Education

64		Refresher Course on "Arduino and it's Applications"	1 week/Wikinote Foundation
65		TEQIP III, AICTE Sponsored One Week National Level Workshop on "Digital Transformation & Pedagogies"	1 week/Govt CoE, Karad and Walchand CoE, Sangli
66		Innovative Teaching-Learning Methods	1 week
67	Mr. N. M. Dharmadhikari	Design of Nanoelectronics and Nanophotonic Devices Using Advanced software tools	2 weeks

(Education appears in top row cell above row 64)

University Results:

First Year Engineering

2020-21 Semester – I

Overall Result

Appeared	1053
All Clear	1009
SGPA 9 to 10	322
SGPA 8 to 9	455
SGPA 7 to 8	195
SGPA 6 to 7	35
SGPA 5 to 6	2
Fail	44
All Clear %	**95.82**

Distribution of All Clear Result
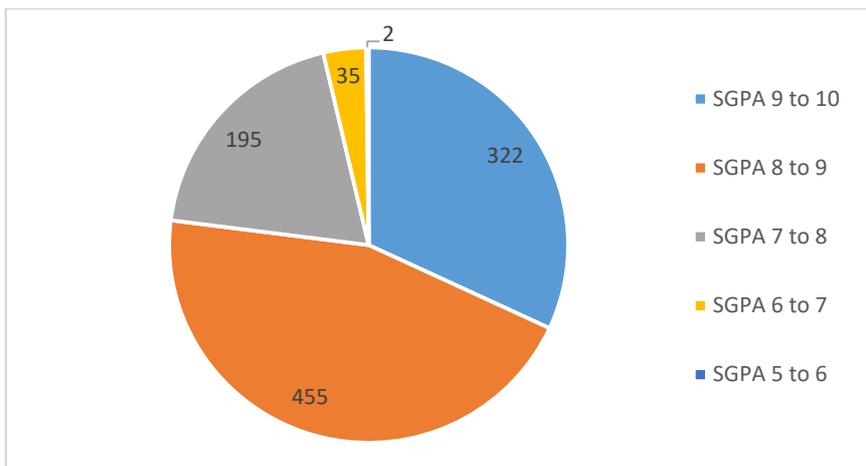
2020-21 Semester – II

Overall Result

Appeared	1043
All Clear	1031
SGPA 9 to 10	445
SGPA 8 to 9	428
SGPA 7 to 8	124
SGPA 6 to 7	22
SGPA 5 to 6	0
ATKT	1040
Fail	03
ALL CLEAR %	**98.85**
with ATKT %	**99.7**

Distribution of All Clear Result
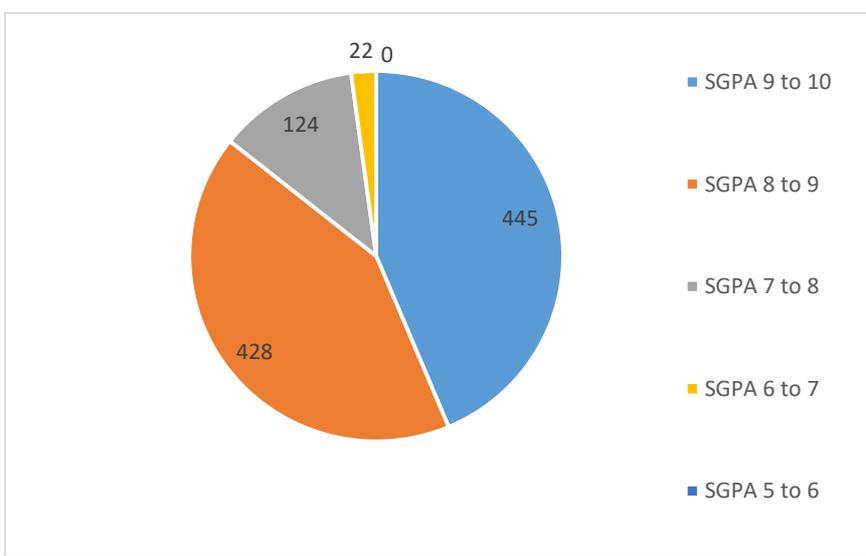
Expert Sessions Organized:

Department of Engineering Sciences and FE had organized expert lectures for students. Here are the details.

Sr. No.	Activity Name	Resource person/organized by/ sponsored by	Date of Conduction
01	A video recorded lecture on "Aspiration and Concern at individual level"	Resourses of IPC, AICTE	02/02/2021
02	A lecture on "Sustanaible living"	Dr. S. S. Shastri	03/02/2021
03	Placement activities at Sinhgad Institutes: Expectation from Students	Mrs. Savita Sharma.	04/02/2021
04	A video recorded lecture on "Peer Pressure, Concern and Resolution"	Resourses of IPC, AICTE	04/02/2021
05	A lecture on "Bharatiya Sanskruti ani Vidnyan"	Prof Mrs. V. L. Limaye	05/02/2021
06	A video recorded lecture on "Understanding health"	Resourses of IPC, AICTE	05/02/2021
07	Overceas placement Opportunities	Prof. J. L. Minase.	18/03/2021
08	"Student Training Program" Motivational Lecture	Prof. J. L. Minase.	19/03/2021

Resource person/Guest Lecture delivered by the faculty outside the Institute:

Sr. No.	Name of the Faculty	Details of Guest Lecture
1.	Prof. A. R. Dhamne	Rajarshi Shahu CoE, Pune: TE/BE Induction Programme, " Electric Motors at a Glance" on 15/07/2020
2.		SCOE FE Induction Programme, "Human Values and Professional Ethics" on 13/08/2020
3.		SPPU FE-2019 Course, BEE Subject Orientation Workshop on 08/08/2020 at AISSMS CoE Pune
4.		Regional Training Centre, Water Resources Dept, Govt of Maharashtra, "Electrical Components of Lift Irrigation System" on 15/09/2020
5.		As a Session Chair for 4th Int Conference on Ideas, Innovation, Impact in Sci & Tech at SKN CoE, Pune on 17/06/2021

Student Activities:

Online Student Induction Program (e-SIP):

A two week First Year Student Engineering Induction Program was scheduled from 28th January 2021, Thursday to 5th February 2021, Friday as per the guidelines given by IPC, AICTE. Due to COVID-19 pandemic the induction program was organized in online mode on ZOOM platform. The e-SIP was coordinated by Prof. A. R. Dhamne.

The schedule of the Induction Program was as follows,

Sinhgad College of Engineering, Pune-41
Two Week FE e-Student Induction Program (eSIP) 2020-21
Schedule

Initial Phase

Day No	Day & Date	Session	Time	Events
0	Thursday, 28/01/2021	I	9.00 am - 6.00 pm	Students arrival, Hostel Allotment
1	Friday, 29/01/2021	I	9.00 am - 1.00 pm	Reporting of Students, Online confirmation of admission, Issue of Roll Call
			1.00 pm - 2.00 pm	Lunch Break
		II	2.00 pm - 5.00 pm	Students Data Collection, Parents/Students Counselling for importance of Regular and Closing phase of Induction Program.
2	Saturday, 30/01/2021	I	9.00 am - 1.00 pm	Reporting of Students, Online confirmation of admission, Issue of Roll Call
			1.00 pm - 2.00 pm	Lunch Break
		II	2.00 pm - 5.00 pm	Students Data Collection, Parents/Students Counselling for importance of Regular and Closing phase of Induction Program.

Regular Phase

Day No	Day & Date	Session	Time	Events	Module	Activity	Faculty Incharge
3	Monday, 01/02/2021	I	11.00 am to 12.00 pm	Welcome to Students/Parents by Faculty and Staff, Introduction of Induction Program, HOD FE, Vice-Principal and Principal's address to Students and Parents.			
			12.00 pm to 12.05 pm	Bio-Break			
		II	12.05 pm to 1.00 pm	Familarization of First Year Department by First Year HOD, Prof V. K. Chaudhari to Students and Parents			
			1.00 pm to 2.00 pm	Lunch Break			
		III	2.00 pm - 4.00 pm	Familarization of First Year Laboratories by subject coordinators.			
4	Tuesday, 02/02/2021	I	11.00 am to 12.00 pm		Physical Health and Related activities	Yoga-I	Prof. Mrs. S. R. Madure
			12.00 pm to 12.05 pm	Bio-Break			
		II	12.05 pm to 1.00 pm		UHV-I	Aspiration and Concern at Individual Level	Dr. Mrs. A. K. Diwan
			1.00 pm to 2.00 pm	Lunch Break			
		III	2.00 pm - 4.00 pm		Creative Practices	Introduction to SCOE Art Circle	Prof. P. R. Lokhande
5	Wednesday, 03/02/2021	I	11.00 am to 12.00 pm		Physical Health and Related activities	Sports	Prof. V. R. Honmane
			12.00 pm to 12.05 pm	Bio-Break			
		II	12.05 pm to 1.00 pm		Other Co-Curricular Activities	Sustanable Living by Dr. S. S. Shastri	Prof. A. M. Holi
			1.00 pm to 2.00 pm	Lunch Break			
		III	2.00 pm - 4.00 pm		Visit to local area	NSS Activities by NSS Students	Prof. R. S. Patil & Prof. P. M. Biradar
6	Thursday, 04/02/2021	I	11.00 am to 12.00 pm		Physical Health and Related activities	Yoga-II	Prof. Mrs. S. R. Madure
			12.00 pm to 12.05 pm	Bio-Break			
		II	12.05 pm to 1.00 pm		UHV-I	Peer Pressure, The Concern and Resolution	Dr. Mrs. A. K. Diwan
			1.00 pm to 2.00 pm	Lunch Break			
		III	2.00 pm - 4.00 pm		Other Co-Curricular Activities	Placement Cell	Prof. P. M. Dalsale
7	Friday, 05/02/2021	I	11.00 am to 12.00 pm		Literature/Literary Activity	Prof. Mrs. V. S. Limaye	Prof. D. M. Kolekar
			12.00 pm to 12.05 pm	Bio-Break			
		II	12.05 pm to 1.00 pm		UHV-I	Understanding Health	Dr. Mrs. A. K. Diwan
			1.00 pm to 2.00 pm	Lunch Break			
		III	2.00 pm - 4.00 pm		Lecture by Eminent People	Inspirational Lecture by Mr. Raghavan Koli	Prof. G. V. Madhikar

Regular Phase: Day 3 to Day 7

Day 3: Common Induction Program

Common Induction Program generally includes following modules and activities:

1. Physical Activities (Yoga & Indoor Sports)
2. Mentoring & UHV (Universal Human Values) Sessions
3. Creative Arts and Culture
4. Proficiency module
5. Professional Training
6. Social Awareness
7. Introduction to First Year Subjects
8. Academic & Administrative Processes

Day 3: Session-I: Principal's Address

The First Year Engineering Online Induction Program (e-SIP)- regular phase started from 1st February 2021 in online mode through Zoom Online Meeting Platform. The schedule of the program was made available on online notice board through the link: *bit.do/fe_scoe_noticeboard*

The daily communication about sessions was also made available through dedicated Telegram Channel.
Initially **Prof. A. R. Dhamne, e-SIP Coordinator** briefed about the objectives of the Students Induction Program to the students.

Prof. V.K. Chaudhari, HoD FE greeted all the students and welcomed the dignitaries of this event Dr. S. D. Lokhande and Dr. Y. P. Reddy.

Dr. Y. P. Reddy, Vice Principal SCOE addressing the students and parents

Dr. Y. P. Reddy, Vice Principal SCOE stressed on the facets of various branches of engineering in his address and advised the students to remain focused on their chosen path of career.

Dr. S. D. Lokhande, Principal SCOE elaborated the reach of Sinhgad College of Engineering in the technical education in last 25 years. He stated that the accolades of the institution in the form of NAAC A-Grade and accreditation of academic programmes by NBA in the past were the noteworthy achievements of the institution. The institution has good reputation among industries that visit the campus every year for placements. He appealed the students for taking all possible efforts for developing themselves as better professionals.

Dr. S. D. Lokhande, Principal SCOE addressing the students and parents

Sir provided the information about the "Student Training Program (STP)", a unique programrun by SCOE for making the students ready for placement spread over 5 semesters from SEto BE.

Regular participation of SCOE teams in technical competitions like SAE BAJA, Rocketry, Solar Vehicle, Cultural competitions like Firodiya, Purushottam, Suman, our own Sinhgad Karandak, Sports Competitions at District, State and University level and achievements in these competitions.

Finally he concluded with assurance to all parents about comfortable environment for their ward from academic and social point of view.

Day 3: Session-II: HoD's Overview

Prof. V. K. Chaudhari, HoD FE conducted this session with the objective of making students and parents familiar with the institution's academic and administrative processes.

The presentation included glimpse of STES campus, detailed information about Sinhgad College of Engineering (SCOE) followed by complete information of First Year (FE) working. The FE information included course structure, university examination pattern, internal mock examination portal, continuous assessment, and Student Training Program (STP) and Sinhgad Student Council (SSC) activities.

FE Academic Monitoring Team

The students were briefed about FE Academic Monitoring Team involving HoD FE alongwith Coordinators for group of divisions.

The Roll Number, Divisions and Batches forStudents

The students were primarily explained about the importance of attending lectures and laboratory sessions throughout the year. They were introduced to the Mentor (Guardian Teacher) Scheme implemented in college for overall monitoring of students' progress. The parents were advised to keep in touch with mentors whenever necessary.

Students were made familiar with various activities under Sinhgad Students Council (SSC) and Sinhgad Overseas Cell (SOC).

The importance of library facilities in any education system can not be overlooked. SCOE provides 24 X7 library facilities for students with rich stacks of books made available to students. The library consists of large capacity reading hall and the processes for any kind of access are student friendly. Prof. Chaudhari urged students to seek benefit of all these facilities made available to them. He also overviewed about other facilities available in campus such as banking, post office, dispensary, hospital, play ground and shopping apart from academic requirements.

Day 3: Session-III: Introduction to Laboratories

(Activity Coordinator: Prof. Mrs. R. R. Gaikwad)

Various laboratories under First Year Engineering were introduced by the Laboratory In- charges to provide the students some glimpses of facilities available there. The locations of the laboratories were also stated. The students found this laboratory session very informative and of practical significance. The Virtual Lab platform available for students was also discussed in every lab's presentation.
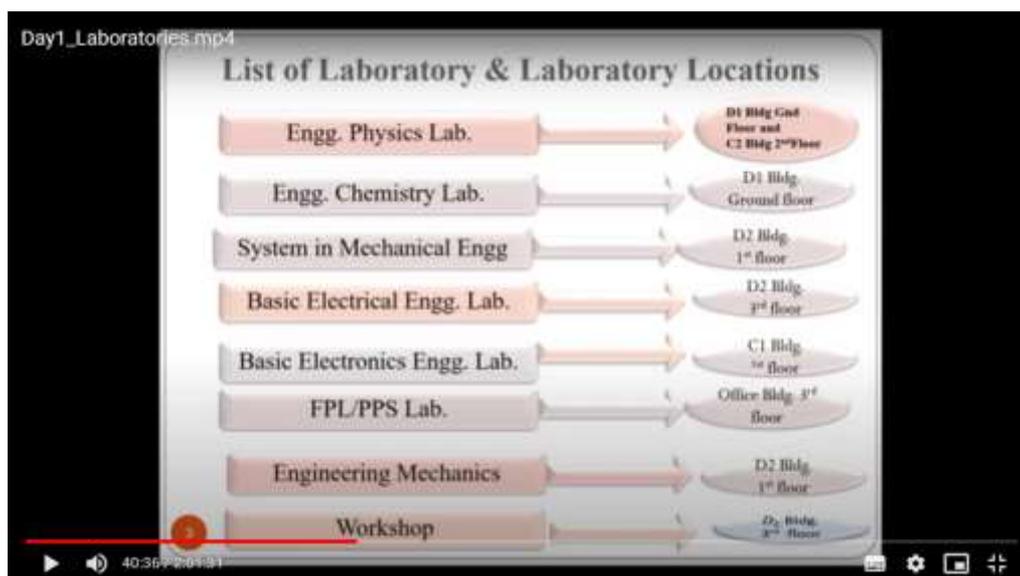
Day 4: Session-I: Yoga

(Activity Coordinator: Prof. Mrs. S. R. Madure)

One of the most appreciative and wholesome initiative executed in the FE induction program were the yoga sessions. The yoga sessions led by the teachers were quite fundamental and beneficial.

The warm up comprised of hand, neck rotations and tightening of the body by breathing out. This was quickly followed by TADASAN, VRUKSHASAN, VIRASAN, and TRIKONASAN. There was a sense of positivity and rejuvenation observed amongst the students after the session got concluded.

Mrs. Sandhya Jadhav, Technical Assistant, Engg. Chemistry demonstrating Asanas

Day 4: Session-II: Universal Human Values

(Activity Coordinator: Dr. Mrs. A. K. Diwan)

Mentoring takes place in the context and setting of Universal Human Values. It gets the student to explore oneself and experience the joy of learning, prepares one to stand up to peer pressure and take decisions with courage, be aware of relationships and be sensitive to others, understand the role of money in life and experience the feeling of prosperity. Need for character building has been underlined by many thinkers where universal human values provide the base.
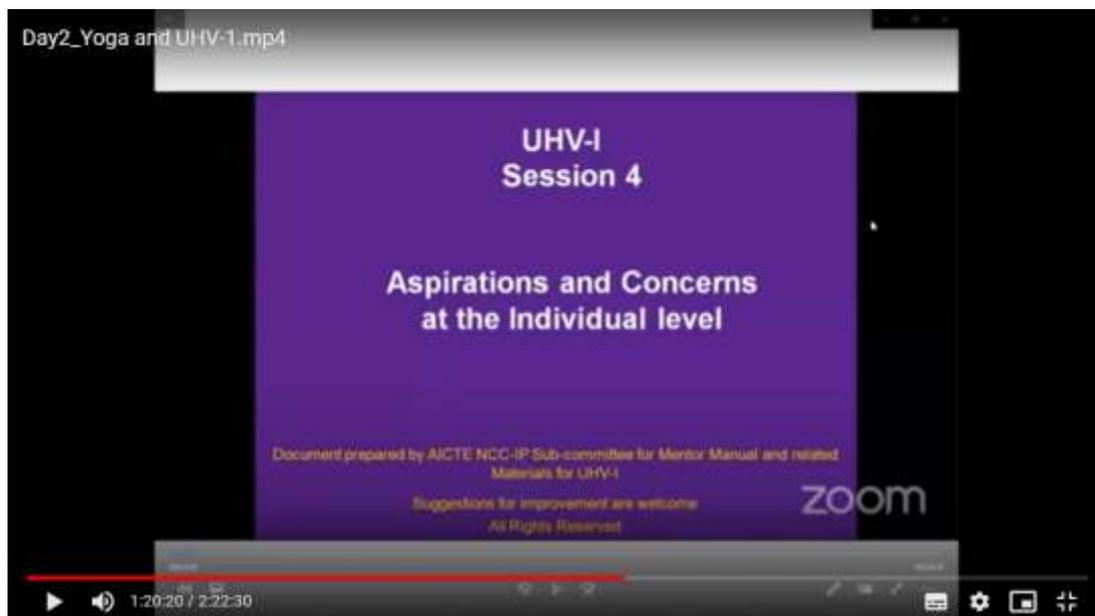
Methodology of teaching this content is extremely important. It must not be through do's and don'ts, but by getting the students to explore and think by engaging them in a dialogue. It is best taught through group discussions, however with clarity of thought of the teachers cannot be overemphasized. It is essential for giving exposure, guiding thoughts and realizing values.

Day 4: Session-III: Art Circle

(Activity Coordinator: Prof. P. R. Lokhande)

SCOE Art Circle with an objective to make newly admitted FE 2020 students familiar about SCOE art circle and all events under its umbrella steered presentation of all events carried outunder SCOE art circle. This included a video show on ***Sinhgad Karandak***. The students were overwhelmed by watching activities like singing, music, script reading,and dance events by the senior students of the art circle. Further, few videos of pass out students who are working in the art field, movies, and theatres were shown.

Physical facilities for Cultural Activities at SCOE

Students got acquainted with SCOE art circle and events happening under it. They got the exposure of art and cultural as an extra-curricular activity for confidence build-up andmotivation. Students were happy to know about many accolades received by SCOE in cultural events over the years.

Prof. M. D. Patil delivering his session on Meditation

Prof. M. D. Patil conducted a session on Meditation. He elaborated students about the power of meditating and helped them understand controlling their thoughts. Students were zealous about knowing these ancient techniques for concentrating in order to accomplish success.

Day 5: Session-I: Sports

(Activity Coordinator: Prof. V. R. Honmane)

Student representatives Ms. Saniya Deshpande and Ms. Sanskruti Ghadi Patil conducted a session on Sports Activities in SCOE. They elaborated about the sports facilities available in the institute in the form of large playground and various sport equipments. They also shared their experiences of participation and winning of trophies for the college. A good number of students asked queires on participation and tournaments taking place throughout the year. Students were enthused to know about Sinhgad Sports Karandak and SCOE winning this trophy a number of times.

Ms. Saniya Deshpande, Student Volunteer motivating students for participation in various sports

The main objective ofthis session was to give the students who are joining the college a bird's eye view about various dimensions of sports activities and facilities with opportunities for the students and to acquaint them with the systems and procedures of the college.
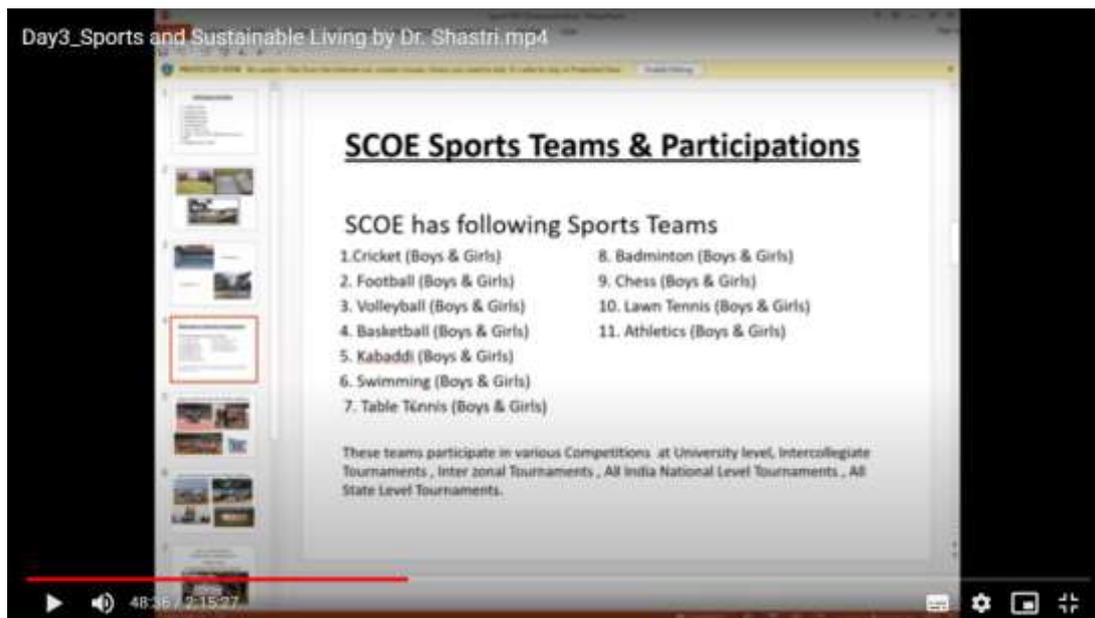
SCOE Sports Teams

Day 5: Session-II: Inspirational Talk

(Activity Coordinator: Prof. A. M. Holi)

Dr. Sameer Shastri, Head, Civil Engineering Department, SCOE delivered a talk on "Sustainable Living" for newly admitted students during e-SIP. He emphasized students on exploring sustainable solutions for engineering problems in today's age. Dr. Shastri pointed out towards adopting right techniques even while creating modern day infrastructure in our day today life. His delivery of contents on sustainable living certainly motivated students to lead a happy and peaceful life in the harmony of nature.
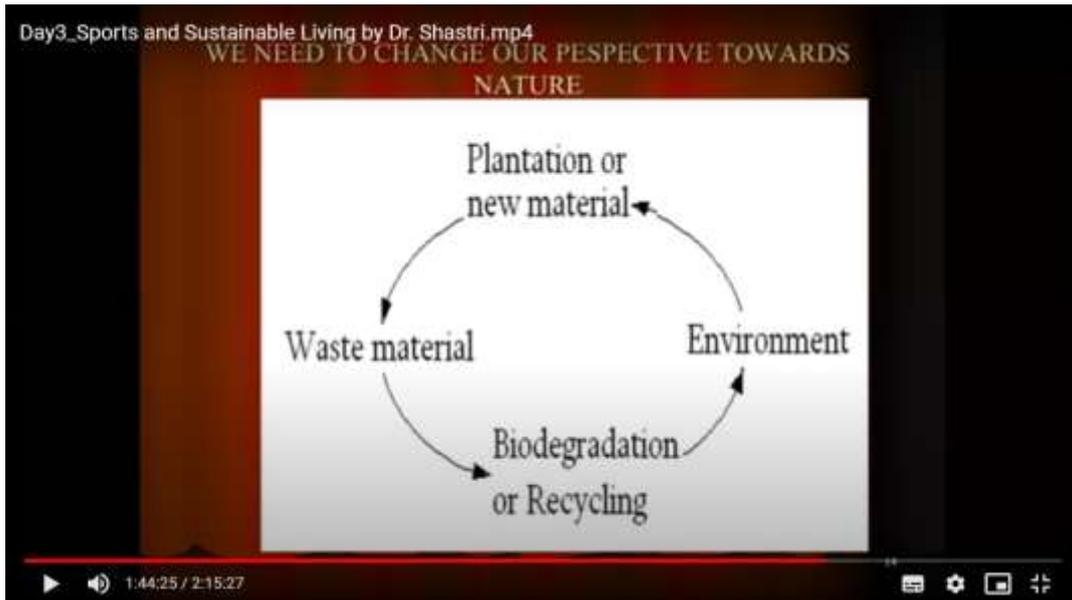
Day 5: Session-III: NSS Activities

(Activity Coordinator: Prof. P. M. Biradar)

Social Awareness is the ability to empathize with others from diverse backgrounds and cultures, to understand social and ethical norms for behavior, and to recognize family, school, and community resources and supports. Social awareness is a crucial component of appropriate classroom behavior, which contributes to an environment conducive to learning.

On the basis of the above ideologies social awareness sessions were conducted by various socially active groups in the college i.e., National Service Scheme (NSS), PRAYAS and Sinhgad Student Council (SSC). The NSS volunteers briefed new students about objectives of NSS, and the kind of social activities currently conducted by NSS. Volunteers explained the working of

Hydrometer for Continuous Contour Trenches. Videos of Special winter camp and Continuous ContourTrenches were shown to the First year students.


Day 6: Session-I: Motivational Talk

(Activity Coordinator: Prof. A. R. Dhamne)

Student Welfare Club under Sinhgad Student Council (SSC) is very active in arranging various student centric activities such as inspirational talks, softs skills improvement sessions, awareness on nutrition and all such activities keeping students' view point. The volunteers arranged an engaging session during this year's e-SIP.

Mr. Anand Patil from KPIT Technologies Ltd. delivered a motivational talk titled "Small Things Big Difference". He elaborated students about the beauty of even smaller contributions in shaping one's life or achieving any milestone in their career with the help of wonderful illustrations. He inspired students for meditating at times and acheiving smaller goals in their career.
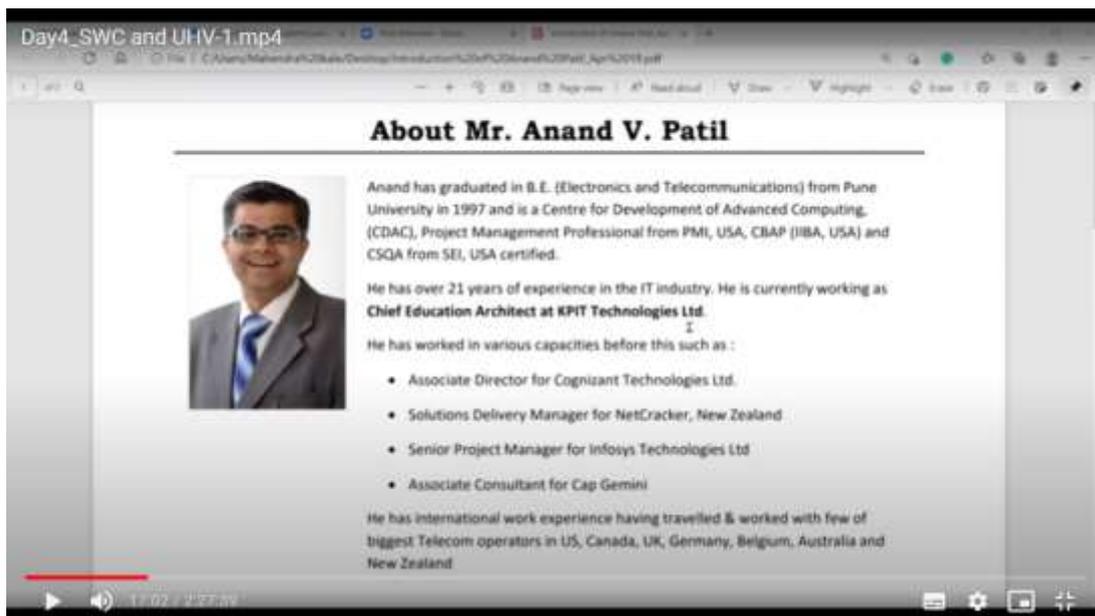
Day 6: Session-II: Universal Human Values

(Activity Coordinator: Dr. Mrs. A. K. Diwan)

This session on Universal Human Values focused on 'Peer Pressure' overcoming which is a key to success for every professional. It was a prerecorded session referred from AICTE's UHV-I FDP conducted earlier.

The session presenter emphasized upon every human being to be a co-existence of one's self and body. The necessity of satisfying one's self is primarily important is the major takeaway from this session.

Day 6: Session-III: Training and Placements

(Activity Coordinator: Prof. P. M. Dahale)

The focus of the event was to give awareness about Training & Placement, Higher Education & Entrepreneurship. The speaker, Mrs. Savita Sharma, Training & Placement Officer, SCOE addressed the First year students from all branches. The event started with brief introduction to operation structure of placement cell. The objectives of the cell were briefly mentioned which includes campus recruitment drives, preparing the students to face campus interviews, career counseling and todevelop spirit of entrepreneurship. Then idea about philosophy of industry-institute cell was given. Awareness about T&P cell and need of industry was elaborated.

Mrs. Savita Sharma, Training and Placement Officer presenting her views

The process of campus drives was well understood by students. The speaker also pin pointed the expectations of the recruiter and eligibility criteria for placements.

Training activities are organized throughout the year in an effort towards preparing the prospective students for the campus selection programs. Overview regarding Student Training Program (STP), Sinhgad Oversea Cell, C2C (College to Corporate) Programs, Prominent Achievements of last three academic years was mentioned by Mrs. Savita Sharma. The students were also made aware about the packages of top IT, core, and other companies in campus drives.

Day 7: Session-I: Literary Activity

(Activity Coordinator: Prof. D. M. Kolekar)

Prof. Mrs. Vaishali Limaye, Civil Engineering Department delivered a talk on "Bhartiya Sanskruti and Vidnyan"

She presented her views about ancient Indian culture and its correlation with present day scientific principles. The means to achieve sustainable development were also discussed in her talk.

Day 7: Session-II: Alumni Interaction

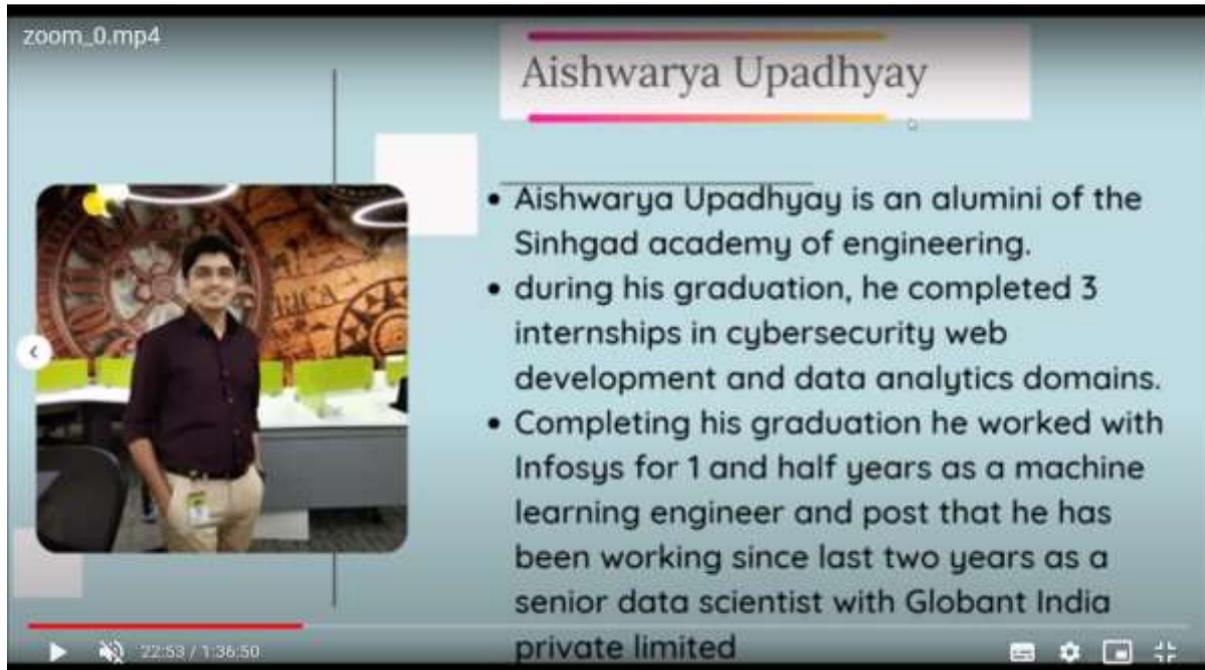*(Activity Coordinator: Prof. A. R. Dhamne)*

The Sinhgad Student Council members presented an interactive session with some of the alumni of SCOE. This session was very well appreciated by students.

Students asked many queries to alumni Mr. Yashwant Shetty about his career path and success he achieved so far. Students were eager to know more about employment opportunities and means to crack the campus placements.

Mr. Yashwant Sheety, an alumni of 2017 batch

Mr. Aishwarya Upadhyay, an alumni's profile

Day 7: Session-III: Lecture by Eminent Person

(Activity Coordinator: Prof. G. V. Madhikar)

Another Inspiration lecture on *"Engineering is Awesome"* was conducted by Mr. Raghavn Koli, Author & Motivational Speaker.

He emphasized that many students are really afraid of engineering at the beginning but the journey is really enjoyable. He gave examples of different people who have succeeded in life failing miserably in their initial period.

He said that by creative thinking and engineering skills, working in a team and extensive travel can make a huge difference in Engineering's career. He also stressed that there is a belief that failure is somehow good – somehow beneficial also. However one must be eager to get the reason of his failure, ultimately leading him to success.

The lecture motivated the students to build up their confidence which is key to become successful in life. He expressed confidence that students will certainly come out with ways to handle tough time in their journey. The session also included short videos and puzzles which boosted up the students. The lecture was well received by the students.
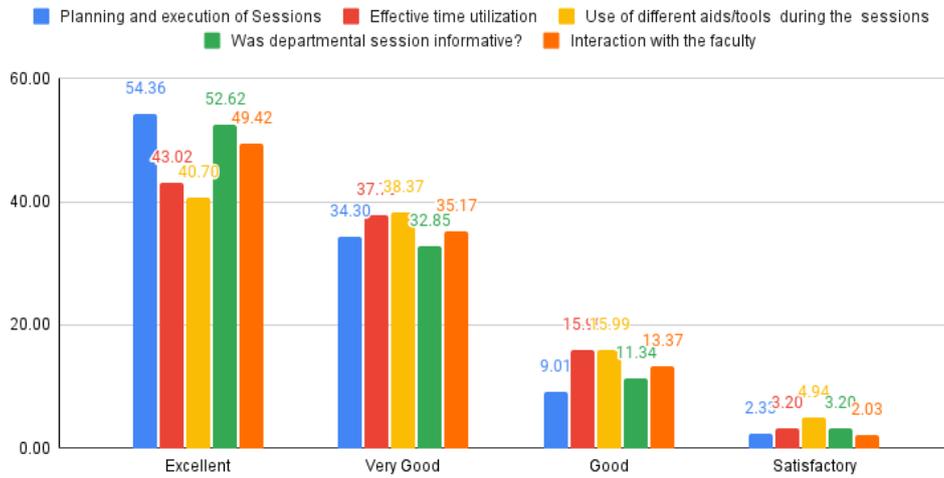_____

Closing Phase: Day 8
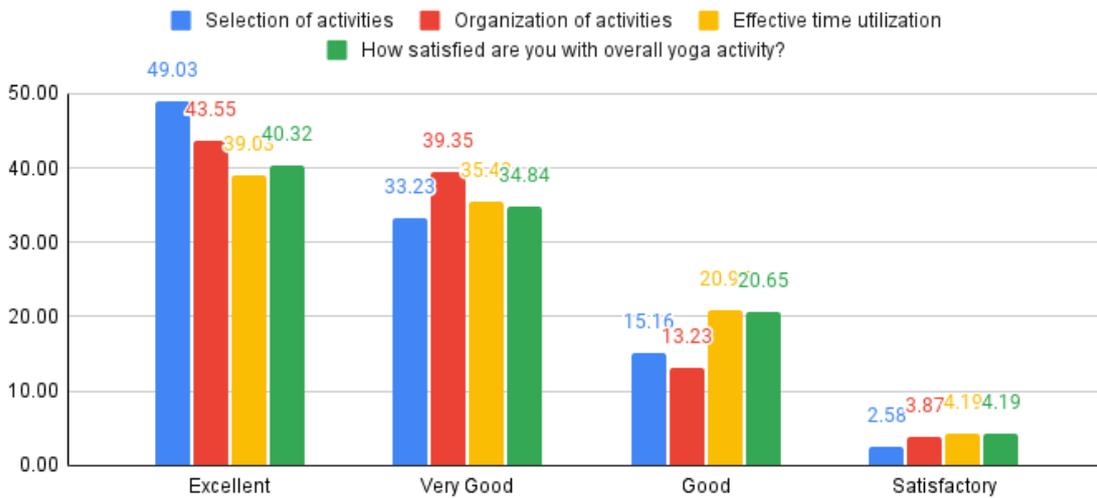
Feedback & Review Writing:

(Activity Coordinator: Prof. S. R. Madure)
Feedback sessions were conducted for various activities like Yoga, Indoor games, Inspirational lectures, Mentoring and Universal human values, social awareness, and Proficiency module.
The overall feedback session was conducted where students gave the feedback as well as they provided their comments and suggestions about e-SIP.
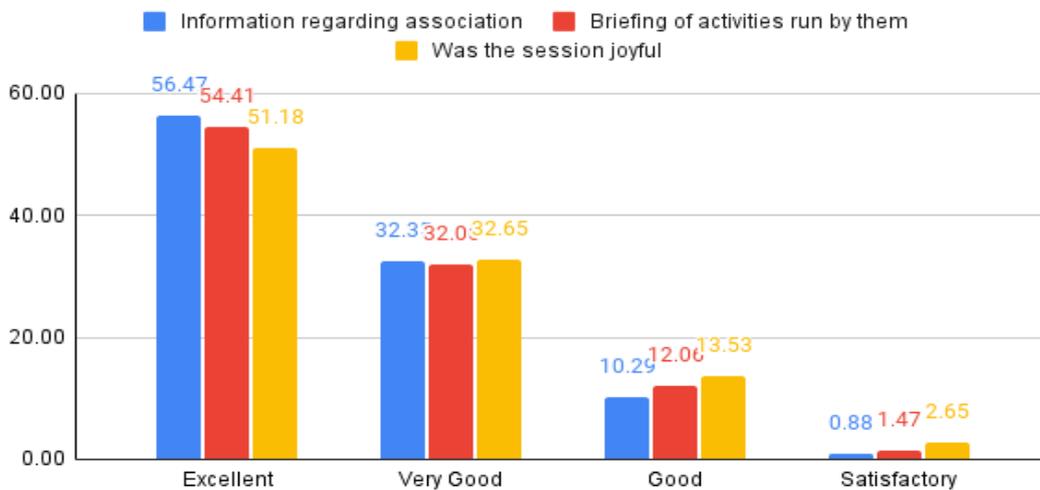
e-SIP Overall Feedback:

Physical Activities-Yoga:

Social Activities:

Legend:
- Information regarding association
- Briefing of activities run by them
- Was the session joyful

	Information regarding association	Briefing of activities run by them	Was the session joyful
Excellent	56.47	54.41	51.18
Very Good	32.37	32.03	32.65
Good	10.29	12.06	13.53
Satisfactory	0.88	1.47	2.65

Social Activities: Would you like to join us?

No 10.3%

Yes 89.7%
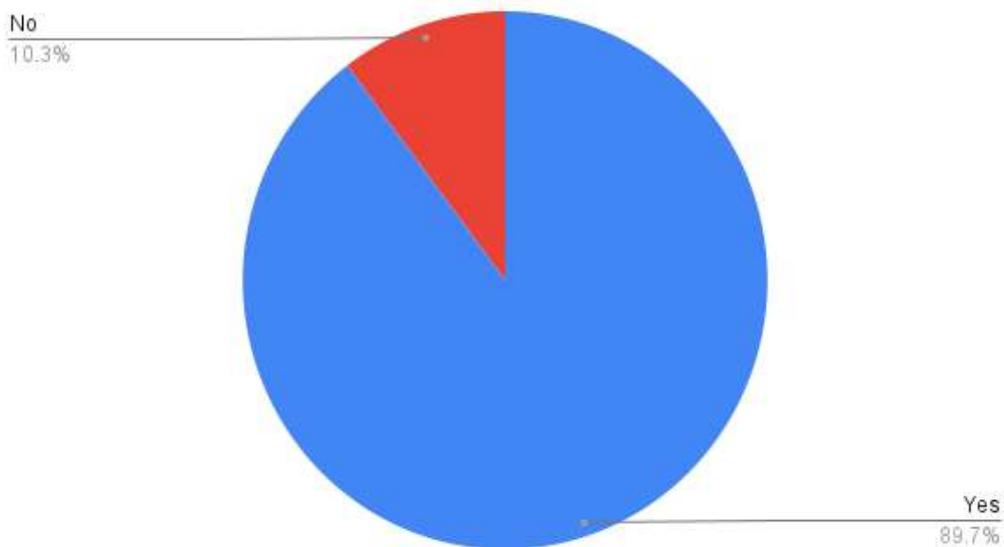
Cultural and Creative Arts:

Legend: ■ Information regarding association ■ Briefing of activities run by them ■ Was the session joyful

	Excellent	Very Good	Good	Satisfactory
Information regarding association	56.02	34.03	9.16	0.79
Briefing of activities run by them	49.21	37.70	11.53	1.57
Was the session joyful	53.14	32.98	10.73	3.14

Universal Human Values (UHV):

Legend: ■ Choice of subject ■ Delivery of the course content by resource person ■ Use of audio visual aids and illustrations during session ■ Effectiveness of doubt clarification by resource person ■ I will be able to acquire knowledge in my career

	Excellent	Very Good	Good	Satisfactory
Choice of subject	52.07	31.36	14.7	1.73
Delivery of the course content by resource person	47.34	34.32	15.68	2.96
Use of audio visual aids and illustrations during session	24.26	35.35	28.70	11.83
Effectiveness of doubt clarification by resource person	37.28	35.21	22.49	5.03
I will be able to acquire knowledge in my career	48.22	32.84	15.38	3.55

Few Comments and Suggestions about the program from students:

- ❖ I was disheartened at first knowing that we would have to attend the Induction online but the faculty carried this e-SIP with utmost excellence. I specifically loved the lecture on sustainable living
- ❖ Whole information is given about cultural events. Presentation through sides was most effective. The Passed out student of the college are also take part in the induction programme and they guide the student.
- ❖ All the sessions were amazing and informative. I liked everything about the induction programme.
- ❖ Unless there is online induction but due to the very good interaction with faculty it not fells like a online induction.The teachers were addressing in a very good way and most importantly the art circle, it was awsm.......I would surely join it.In that program you show various types of activities like dramas, about NSS camp I like that. In short I like induction program.
- ❖ The sessions were informative and helpful. The information about the clubs and their activities was excellent. Also the guest lectures by Mr. Anand Patil, Mr. Raghvan Koli were very good and extremely helpful and informative.
- ❖ Time management and execution of program made by teachers was excellent. They responded to all students and solve their queries.The use of presentations, videos and photos were awesome. The interaction with seniors was really motivating. The right guidance was given to us. All doubts were cleared.
- ❖ The induction program was very informative for me .l like most the placement guidelines program conducted by the department. And it is excellent program for me. Thank you..
- ❖ I loved this induction program; it was a virtual trip to the SCOE. I was highly impressed by the chosen sessions and guest speeches.
- ❖ There was so many good things that we learnt from induction program such as I learnt about myself, about mind also the about syllabus and many more things. They were started on time and ended too on time and also gave alot of information about the college and it's all other activities held in college.
- ❖ The way alumni interacted with us was really nice. Teachers info was really helpful.
- ❖ The Guest lectures were very motivational .and i also liked the lecture on placements we need to know about them as most of we student don't have any idea about companies about how to study.......
- ❖ Got familiarized with the college environment.. Got to know about different programs that are organized for the students.. It was great!
- ❖ Our college is taking good activities as well as we students are learning and enjoying too, thank you!
- ❖ Staff has given information in excellent way that's why i could understand all about college and other activities in college. Guest had come and shared their experiences, strategy of study.
- ❖ This is the first real encounter the fresher. I liked overall presentation of whole induction sessions.
- ❖ Teachers are very informative and good with us.