T.S.E.C. Annual Activity Report for the Academic Year 2019-2020

Our college has been the foundation for many achievers and award winners in different fields.

Academic Achievements:
With a passing percentage of 100%, out of which 269 students secured above 7.5 Pointer. Congrats to TSEC and students and also a small thanks to online exams and corona.

Prof. Jeyant Gadge, Prof. Arun Kulkarni, Prof.Gopal Pardesi, Prof. Bhushan Jadhav Prof. Seema Kolukar, Prof. Ujawala Bharambe Prof. Gauri Sukla and Prof. Poonam Soni Prof. Elizabeth Joseph and Prof. Shanti Terese have completed Phd degree during this academic year. Indeed a great achievement.

Cultural Activities:
 T.S.E.C. provides just about the perfect support needed to excel in non- academic activities which is evident in the achievements of the cultural contingents in various competitions. Cultural committee had celebrated women's day to felicitate female faculty, Republic day, colorful traditional day, TSEC awards day and Trifles 2020. Our dance team made their presence strongly felt by securing the 1st position at IIT Gandhi Nagar and IIM Ahmedabad. Our drama team also won first prize at at IIT Gandhi Nagar.

Sports Achievements:
Our cricket team reached the semifinals at VJTI Enthusia and our first year student Vedant Agarwal got selected to represent Mumbai university at the west zone inter university tournament. Adil Mukhi from the Computer Engg. Department was a part of the team that represented India at the World throw ball Championship 2019 in Malaysia and emerged as the champions making our country proud. Udit Gupta from BT won Gold Medal in 10 M Air Rifle in Mumbai Games 2019 and Silver Medal in West zone shooting competition.

Placements:
Placements during 2019-20 were as usual over the top having received 217 offers. In all, 204 students were placed out of 340 eligible students. A maximum salary 19.9 lakhs was offered to our students.
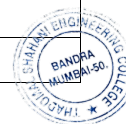
Research Activities:
Principal Dr. G. T. Thampi Dr. Mani Roja from EXTC, Dr. Ramesh Bhande from Chemical, Dr. Bhushn Jadhav, Prof. Sampada Pinge, Prof.Vijal Jain from IT and Dr. Gauri Sukla from Biomedical received research grants from Mumbai University for their research proposals.
Nine PhD research scholars have been awarded PhD degree from TSEC's research center affiliated with Mumbai University.
Research Publications from TSEC:

Sr.No.	Name of Faculty- Maths	Number of Publications
1.	Dr. Poonam Soni	01
2.	Dr. Mansha Kotwani	01

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

3.	Prof. Gaurav Mittal	03
4.	Dr. Tushar Parulekar	03

Faculty Name- IT	No. of Publications
Dr. G.T. Thampi	7
Dr. Madhuri Rao	4
Prof. Archana Kale	1
Dr. Shanthi Therese	1
Prof. Nagaveni Hebbar	1
Prof. Kumkum Saxena	2
Prof. Monica Tolani	1
Dr. Gopal Pardesi	Published 1 book
Dr. Bhushan Jadhav	Published 3 books

Faculty Name-EXTC	No. of Publications
Dr. Ashwini Kunte	4
Dr. Mani Roja	3
Prof. K. K. Mathew	1
Prof. Medha Somalwar	1
Prof. Shrishti Bhatia	2
Prof. Uttara Bhatt	1
Prof. Amit Hatekar	2
Prof. Manoj Kavedia	2

Sr.No.	Name of Faculty- Computer	Number of Publications
1.	Dr. Tanuja K. Sarode	07
2.	Dr. Archana Patankar	03
3.	Dr. Shilpa Verma	02
4.	Dr. Seema Kolkur	02
5.	Prof. Urvi Kore	01
6.	Prof. Nabanita Mandal	01

Sr.No.	Name of Faculty- Biomedical	Number of Publications
1.	Dr. Gauri Sukla	01
2.	Prof. Tanveer	01
3.	Prof. Anuradha mistry	01
4.	Prof. Dhananjay Theckedath	02 Books reprint

Sr.No.	Name of Faculty- Bio Tech	Number of Publications
1.	Prof. Praseeda Nambisan	02
2	Prof. Sruthi Menon	01

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

Sr.No.	Name of Faculty-Chemical	Number of Publications
1.	Dr. Anita Kumari	02
2.	Dr S. J. Purohit	03
3.	Dr. Elizabeth Joseph	03

FDP/STTP/Conference attended by faculty members:

Sr. No.	Name of teacher who attended	Title of the program
1.	Monica G. Tolani	Attended AICTE-ISTE approved STTP on Leveraging Digital Content To Build Productive Class Room Engagement
2.	Monica G. Tolani	Attended FDP on "Usage of Technology in Covid-19"
3.	Monica G. Tolani	Attended FDP on Online Teaching & E-content
4.	Dr.Shanthi Therese S.	Attended AICTE Sponsored Two week Faculty Development Program on Pedagogy of Signal processing and its Applications , at RAIT ,Nerul , Navi Mumbai
5.	Vijal Jain	Attended 5 days FDP on R-Programming at Sinhgad Institute of Technology and Science, Pune in association with Spoken Tutorial IIT Bombay
6.	Vijal Jain	Attended 1 week STTP on Recent Trends and Applications of Machine Learning and Deep Learning at RAIT, Navi Mumbai
7.	Vijal Jain	Attended 1 week STTP on 3. Matlab based teaching-learning in mathematics, science and engineering at RAIT, Navi Mumbai in collaboration with DesignTech Systems Pvt Ltd.
8.	Dr.Shanthi Therese S.	Completed 5 days workshop on data analytics from conducted by Bennett university
9.	Dr. Shachi Natu	One week STTP on "Infrastructure and Cyber Security"

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

10.	Dr. Shachi Natu	Five days FDP on "Advanced Deep Learning" by LeadingIndia.ai
11.	Dr. Shachi Natu	Completed 5 days workshop on data analytics from conducted by Bennett university
12.	Dr. Shachi Natu	AICTE approved 04 week FDP on Python for Data science from NPTEL
13.	Dr. Arun Kulkarni	One week STTP on "Infrastructure and Cyber Security"
14.	Sanober Shaikh	Disruptive Technolgies of Industry 4.0
15.	Sanober Shaikh	ISTE approved STTP on "Python Basics, Machine Learning & Blockchain" organised by Computer Engineering Department of KJSIEIT from 8th June 2002 to 13th June 2020.
16.	Kumkum Saxena	Attended 1 week STTP on Matlab based teaching-learning in mathematics, science and engineering at RAIT, Navi Mumbai in collaboration with DesignTech Systems Pvt Ltd.
17.	Kumkum Saxena	Attended 5 days webinar series in SJCEM
18.	Dr. Gopal Pardesi	Leveraging Digital Content to Build Productive Class Room Engagement"
19.	Dr. G. T. Thampi	Attended AICTE online workshop on Universal Human Values on the theme "Inculcating Universal Human Values in Technical Education"
20.	Sampada Pinge	One week FDP on Leveraging Digital Content to Build Productive Class Room Engagement
21.	Sampada Pinge	one week online Faculty Development Program on "Advances in Internet Of Things"
22.	Sampada Pinge	one week online Faculty Development Program on "DATA SCIENCE"
23.	Sampada Pinge	Two weeks online Faculty Development Program on "Emerging Research Trends in Computer Science and Technology"

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

24.	Tasneem Mirza	Recent Trends and Applications of Machine Learning and Deep Learning in IT
25.	Tasneem Mirza	Usage of Technology in Covid-19
26.	Tasneem Mirza	Research Funding projects and IPR
27.	Dr. Seema Kolkur	FDP on Artificial Intelligence
28.	Dr. Seema Kolkur	Disruptive Technolgies of Industry 4.0
29.	Dr. Seema Kolkur	FDP on Data Science
30.	Dr. Seema Kolkur	ISTE Approved STTP on "IT for Sustainability"
31.	Dr. Seema Kolkur	Innovative Trends in Engineering and Technology
32.	Dr. Seema Kolkur	Recent Trends & Applications of Machine Learning and Deep Learning in IT
33.	Dr. Seema Kolkur	Blockchain Technologies for Smart Contracts
34.	Dr. Seema Kolkur	Data Science and Big Data analytics
35.	Tasneem Mirza	Blockchain Technologies for Smart Contracts
36.	Ms. Nabanita Mandal	Recent Trends & Applications of Machine Learning and Deep Learning in IT
37.	Ms. Nabanita Mandal	IT for Sustainability
38.	Dr. Tanuja K. Sarode	ISTE Approved STTP on "IT for Sustainability"
39.	Dr. Archana B. Patankar	AICTE Sponsored Two Week FDP on "Consumer Electronic Product Design, Testing, Reliability and Patenting"at S.P.I.T. Mumbai.
40.	Dr. Archana B. Patankar	FDP in Association with Spoken Tutorial IITB on hands on Python
41.	Dr. Shilpa Verma	1 week STTP on Recent Trends and Applications of Machine Learning and Deep Learning in IT
42.	Dr. Shilpa Verma	1 week STTP on Disruptive Technolgies of Industry 4.0
43.	Dr. Shilpa Verma	Four days Webinar on Blockchain Technologies for Smart Contracts
44.	Dr. Shilpa Verma	Four days FDP on Research Funding projects and IPR

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

45.	Dr. Shilpa Verma	Two Days FDP on Online Teaching & E-content
46.	Dr. Shilpa Verma	1 week STTP on Matlab based teaching-learning in mathematics, science and engineering
47.	Rupali Sarode	Attended AICTE-ISTE approved STTP on Infrastructure and Cyber Security
48.	Rupali Sarode	Attended AICTE-ISTE Approved STTP on To Build Productive Class room Engagement coordinated by TSCE Chemical Dept
49.	Rupali Sarode	Attended ISTE approved online Short Term Training Program on "Natural Language Processing and Deep Learning " for all academicians and researchers coordinated by VidyaVardhini Engineering College,Vasai
50.	Rupali Sarode	Completed 8 daysOnline FDP on R software in association with Spoken Tutorial ,IIT Bombay organised by Thakur College Of Engineering
51.	Rupali Sarode	Successfully Completed Online STTP on "Recent Trends and Applications of Machine Learning and Deep learning" Organised by RAIT ,IT Dept
52.	Rupali Sarode	Attended Online Faculty Development Program (FDP) on " Python Django " in association with Spoken Tutorial, IIT Bombay coordinated by K.J.Somiaya Engineering College Sion
53.	Rupali Sarode	Coursera - Java for Android by University of Vanderbilt, 4 weeks.
54.	Rupali Sarode	Blockchain Technologies for Smart Contracts (Organised by : TSEC)
55.	Manisha P. Dumbre	AICTE-ISTE approved STTP on Infrastructure and Cyber Security
56.	Manisha P. Dumbre	ISTE Approved STTP on To Build Productive Class room Engagement coordinated by TSCE Chemical Dept

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

57.	Manisha P. Dumbre	Two week ISTE Approved STTP on "IT for Sustainability"
58.	Manisha P. Dumbre	Blockchain Technologies for Smart Contracts (Organised by : TSEC)
59.	Manisha P. Dumbre	3 day workshop on Part"ग्रामीण विकास": Enabling Self-Reliant Economy Through Techno-Social Innovation In A Perspective of Post COVID-19 Rural India conducted under UBA Cell, RGIT.icipated in 3 day online National Workshop on Gramin vikas
60.	Manisha P. Dumbre	Successfully Completed Online STTP on "Recent Trends and Applications of Machine Learning and Deep learning" Organised by RAIT ,IT Dept
61.	Manisha P. Dumbre	Attended FDP on "R Programming", Organised by Fr. C. Rodrigues Institute of Technology, Vashi in association with Spoken Tutorial IITB, Mumbai,
62.	Manisha P. Dumbre	Coursera - Java for Android by University of Michigan, 4 weeks.
63.	Shilpa Ingoley	AICTE-ISTE approved STTP on Infrastructure and Cyber Security
64.	Shilpa Ingoley	Attended Online Faculty Development Program (FDP) on " Python Django " in association with Spoken Tutorial, IIT Bombay coordinated by K.J.Somiaya Engineering College Sion
65.	Shilpa Ingoley	Four days Webinar on Blockchain Technologies for Smart Contracts
66.	Shilpa Ingoley	Successfully completed STTP on "Disruptive Technologies of Industry 4.0" organized by Fr. Conceicao Rodrigues College of Engineering
67.	Shilpa Ingoley	Two week ISTE Approved STTP on "IT for Sustainability"

68.	Shilpa Ingoley	Attended FDP on "R Programming", Organised by Fr. C. Rodrigues Institute of Technology, Vashi in association with Spoken Tutorial IITB, Mumbai,
69.	Shilpa Ingoley	Coursera - Programming for Everybody -Getting Started with Python, University of Michigan, 4 weeks.
70.	Shilpa Ingoley	Attended International conference on "Transfer Learning on (ICESTMM 2019)
71.	Shilpa Ingoley	Online STTP on "Recent Trends and Applications of Machine Learning and Deep learning" Organised by RAIT ,IT Dept 25th May to 29th May 2020
72.	Urvi Kore	AICTE-ISTE approved STTP on Infrastructure and Cyber Security
73.	Urvi Kore	AICTE-ISTE approved STTP on Leveraging Digital Content to build Productive class room Engagement
74.	Urvi Kore	Two week ISTE Approved STTP on "IT for Sustainability"
75.	Anagha Durugkar	Blockchain Technologies for Smart Contracts (Organised by : TSEC)
76.	Anagha Durugkar	Completed one WEEK AICTE/ISTE approved referesher program on "Leveraging Digital content to Build productive Class Room Engagement"At TSEC Bandra
77.	Anagha Durugkar	AICTE-ISTE approved STTP on Infrastructure and Cyber Security
78.	Anagha Durugkar	AICTE-ISTE approved STTP on Infrastructure and Cyber Security
79.	Anagha Durugkar	Attended One Week FDP on "DATA SCIENCE"at FrCRCE Bandra Mumbai
80.	Sakshi Surve	Perticiated in 3 on days Webinar "happiness and Harmony " At KC College Thane

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

81.	Sakshi Surve	Participated in "Water shed Management Project"under UBA-TSEC, Paani Foundation at Neral
82.	Dr. Ujwala Bharambe	One week ISTE approved STTP on Natural Language Processing Novice to pro
83.	Dr. Arti Deshpande	Emerging Research Trends in Computer Science and IT , by IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section with Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
84.	Dr. Arti Deshpande	Usage of Technology in Covid 19 by Terna Engineering College, Nerul Mumbai
85.	Dr. Arti Deshpande	FDP on block Chain , AICTE Training and Learnig (ATAL) Acedamy
86.	Vaishali Suryawanshi	1-Week **ISTE approved STTP** on "Basics of Python Programming and Blockchain Technology ", KJSCIT, Sion
87.	Vaishali Suryawanshi	1-Week **AICTE-ISTE Approve**d STTP on "E-Learning Tools, methodologies and Content management", COET Akola,
88.	Vaishali Suryawanshi	2-Week **ISTE approved STTP** , "IT sustainability", ,TCET, Mumbai
89.	Vaishali Suryawanshi	1-Week **ISTE approved STTP** on " NLP and Deep Learning ", organized by VCET, Vasai(W)
90.	Ms. Shrishti Bhatia	"Technological Advancements in the Field of Electronics and Telecommunication Engineering"
91.	Dr Maniroja Edinburgh	Completed a 12 week NPTEL course on Deep learning
92.	Dr Maniroja Edinburgh	AICTE-ISTE sponsored STTP on Machine learning
93.	Dr Maniroja Edinburgh	Deep learning at DBIT
94.	Dr Maniroja Edinburgh	FDP on "Research, Funding Projects & IPR " jointly organized by IQAC, R & D Cell

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

95.	Dr Maniroja Edinburgh	Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020) under Technical Education Quality Improvement Program (TEQIP-III)
96.	Dr Maniroja Edinburgh	Artificial Intelligence and Deep learning by Bennet University
97.	**Dr Maniroja Edinburgh**	**"MATLAB based Teaching-Learning in Mathematics, Science & Engineering".**
98.	Anushree Gupta	Attended FDP on Online teaching and E-content
99.	Anushree Gupta	Attended national workshop on Enabling Self Reliant Economy
100.	Dr.Elizabeth Joseph	Leveraging Digital content to build productive class room engagement
101.	R.R.JOSHI	Leveraging digital content to build productive classroom engagement
102.	R.R.JOSHI	Moodle Test for Teachers
103.	R.R.JOSHI	CFD using OPENFOAM
104.	R.R.JOSHI	"R"
105.	R.R.JOSHI	GeoGebra-5.04
106.	Sangita Gaikwad	Leveraging Digital Content to Build Productive Classroom Engagement(TSEC)
107.	Sangita Gaikwad	SCILAB
108.	Sangita Gaikwad	FDP on "Python 3.4.3"
109.	Dr. Trupti Dharmarao	Leveraging Digital Content to Build Productive Classroom Engagement(TSEC)
110.	Dr. Trupti Dharmarao	Scilab
111.	Prasad J. Parulekar	Leveraging Digital Content to Build Productive Class Room Engagement
112.	Prasad J. Parulekar	CFD Using Open Foam
113.	Prasad J. Parulekar	Stress Counselling
114.	Prasad J. Parulekar	MATLAB based Teaching-Learning in Mathematics, Science & Engineering

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

115.	Dr. Gauri Shukla	FDP on "Game Pedagogy in Outcome Based Education"
116.	Dr. Gauri Shukla	FDP on "Engineering Education and the Industry: A Post COVID-19 Perspective"
117.	Dr. Gauri Shukla	Induction/Refresher Programme on "Leveraging Digital Content to Build Productive Class Room Engagement"
118.	ANURADHA B MISTRY	CEQIP-STC on "Basics of Formability, Damage and their Numerical Simulation"
119.	ANURADHA B MISTRY	CEQIP -STC on "Sustainable Engineering to Address Food-Energy-Water Nexus"
120.	ANURADHA B MISTRY	4-DAY ONLNE FDP ON RESEARCH, FUNDING PROJECTS and IPR
121.	ANURADHA B MISTRY	Online Short-Term Training Program on "MATLAB based Teaching-Learning in Mathematics, Science & Engineering"
122.	ANURADHA B MISTRY	One-Week Online Faculty Development Program on "SCILAB"
123.	ANURADHA B MISTRY	Online AICTE Recognized One Week FDP Short Term Course (STC) on 'Skill Enhancement using Free & Open Software Tools'
124.	Rithesh Kini	One-Week AICTE recognized Faculty Development Programme on "Nanomaterials and their applications"
125.	Rithesh Kini	AICTE-ISTE Approved One-Week Short Term Training Program on "Infrastructure and Cyber Security"
126.	Bharati Ingale	AICTE-ISTE approved Induction/Refresher Programme on "Leveraging Digital Content to Build Productive Class room Engagement" organized by Thadomal Shahani Engineering College
127.	Bharati Ingale	AICTE Approved Online FDP on Internet of Things organized by Dept of Computer Science and Engineering, NITTTR, Chandigarh

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

128.	Bharati Ingale	AICTE Approved Online FDP on Nanomaterials and Devices organized by Dept of Applied Sciences, NITTTR, Chandigarh
129.	Dr. Mansha Kotwani	webinar on IPR organized by The ICFAI University, Dehradun in collaboration with Cell for IPR Promotion and Management (CIPAM),
130.	Dr. Mansha Kotwani	4-Days Webinar on "Blockchain Technologies for Smart Contats"
131.	Dr. Poonam Soni	4-Days Webinar on "Blockchain Technologies for Smart Contats"
132.	Dr. Poonam Soni	National Level Online Course on "OPERATIONS RESEARCH" organized by Department of Mathematics (SF), V.H.N.S.N. College (Autonomous), Virudhunagar. 2020.
133.	Dr. Poonam Soni	FDP on "Scilab" organized by DJSCOE in association with Spoken Tutorial Project, IIT Bombay.
134.	Dr. Poonam Soni	· Webinar on IPR, organized by The ICFAI University, Dehradun in collaboration with Cell for IPR Promotion and Management (CIPAM), under the aegis of the Department for Promotion of Industry & Internal Trade (DPIIT), Ministry of Commerce & Industry, Government of India.
135.	Dr. Kajli Sharma	AICTE-ISTE approved Induction/Refresher Programme on "Leveraging Digital Content to Build Productive Class room Engagement" organized by Thadomal Shahani Engineering College

Social Activities

The walls and boards at Bandra station were given a facelift by our students under the theme of Swacch Bharat and plastic ban. TSEC green army in association with NSS- TSEC and with the help of MCGM, organized a tree plantation drive at Pali Hill railway colony. As usual Blood Donation Drives were organized by NSS team. UBA TSEC organized a cleanliness drive in Ambevadi village Maharashtra. NSS TSEC and UBA TSEC jointly organized a residential camp at Neral on the foothills of Matheran.

E-Cell

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

TSEC-E-cell conducted its event EMBARK which served as a platform to the budding engineers to turn their dream into reality.

Professional committee Activities

Through the Technical committees ISTE, IETE, CSI, IIChE and IE, many training programs, technical paper presentations, coding competitions and quiz programs have been organized through out the year to impart technical knowledge among students.

The MAD club of TSEC launched the mobile application TSEC App during Internship Mela.

Department of Information Technology has successfully organized 32 hours Hackathon and Department of Computer Engineering in association with Code cell organized the third edition of TSEC Hacks.

Guest lectures and workshops to build the gap between Institute and Industry

One week AICTE-ISTE STTP on "Infrastructure and Cyber Security" was organized by Computer Department.

One Week ISTE Approved STTP on "Leveraging Digital content to build productive class room Engagement" was organized by Chemical Engineering Department.

Hackathon winners:
- Students of third year IT won the second prize at Code storm Hackathon
- Students of third year IT won first prize in Project Expo held at St. Francis, Borivli.
- The team from the Department of Computer Engineering once again won the Smart India Hackathon for the second consecutive year. Indeed an exemplary achievement.
- Bio tech students won 2nd prize at Biohackathon organized by K J Somaiya college

Institute Industry Interaction

To keep the students up-to-date on the new developments in the industry, guest lectures, workshops and seminars were conducted by all the departments.

An Industrial Visit to Hyderabad and another one to Madurai, Mysore and Coorg were organized and more than 12 industries were visited.

On the occasion of the birthday of Dr. Abdul Kalam TSEC organized Innovation day, to facilitate the importance of mother tongue day, Mathru Bhasha Dinotsavam, also Dr. Ambedkar Jayanti were organized by TSEC.

Convocation Ceremony

Convocation ceremony for BE 2019 batch was held on 25th Jan 2020. Our president Mr. Kishu Mansukhani graced the function as the chief guest.

Overall, the academic year 2019-20 was a very successful one, setting the bar for future batches. We believe that this list will increase in the years to come. Stay Safe, keep safe distance wear your mask and be happy and healthy

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

.