Sr. No	Details
1	Admission Brochure for the academic year 2020 - 21
2	Admission Brochure for the academic year 2019 - 20
3	Admission Brochure for the academic year 2018 - 19
4	Admission Brochure for the academic year 2017 - 18
5	Admission Brochure for the academic year 2016 - 17

Admission Brochure for the academic year

2020 - 21

THADOMAL SHAHANI

TSEC

ENGINEERING COLLEGE

THADOMAL SHAHANI ENGINEERING COLLEGE

2020 - 21

ADMISSION PROSPECTUS

For Admission to First Year of Engineering

www.tsecadmission.org

GOVERNING BOARD MEMBERS

1. **Mr. Kishu Mansukhani**
   Chairperson of Board of Governors - President HSNC BOARD

2. **Mr. Anil Harish**
   Educationist/Industrialist - Immediate Past President HSNC BOARD

3. **Dr. Niranjan Hiranandani**
   Trustee Nominee - Past President HSNC BOARD

4. **Mrs. Maya Shahani**
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5. **Mr. Lal Chellaram**
   Educationist/Industrialist, Trustee HSNC BOARD

6. **Prin. Dinesh Panjwani**
   Educationist, Secretary HSNC BOARD

7. **Prof. Anand Patwardhan**
   Nominee of the University

8. **Nominee of State Government**

9. **Nominee of State Government**
   Industrialist/Technologist/ Educationist from the Region

10. **Dr. Ashwini Kunte**
    Professor

11. **Mr. Chetan Agarwal**
    Assistant Professor

12. **Dr. G. T. Thampi**
    Member Secretary of Board of Governors, Principal TSEC.

Principal's Commentary on present settings

We are marching ahead in reimagining the times ahead even though externalities are forcing us to be part of trials and tribulations of pandemic. It is heartening to observe learners transcends the way they learn leveraging instructional content available with various world class MOOCs and also undertake virtual internship with enterprise with profound understanding of future mankind in an uncompromised fashion without an iota of doubts about the cessation of hardship we are subjected to.

The way the market conducts business processes are in a state accelerated change and unabashedly redesigning business/ revenue models underpinning nascent development in Artificial Intelligence and Data Science.

We at Thadomal Shahani Engineering College capture the impeding radical redesign of futuristic industrial 4.0 driven by Artificial Intelligence its allied artefacts. We are proud to create a culture of coding and Hackathon to make these budding graduate remain focused to be compete in the global marketplace.

Soft skills, interpersonal intelligence, intrapersonal intelligence, social outreach are desired graduate attributes in the coming times and we are committed to create an environment where pupils thrive.

Students involved in cultural and sports activities in the campus are doing an excellent job in promoting extracurricular activities in the campus and acting as our ambassador for the outside world.

Creative talents demonstrate their talents through writing /painting /storytelling /dance / drama and won enviable awards and prices all over the country and our wholehearted congratulations.

Dr. G. T. Thampi

Principal, TSEC

VISION

Perpetuating and transcending the process of

- Contributing to evolving supply chain of human capital for National Economy.
- Creating entrepreneurs and ‘game changers’ to support heightened level of economic activities underpinning ever increasing human aspiration.
- Helping the nation evolve as a total solution provider.
- Value and wealth creation for the mankind.

MISSION

Focusing and practicing

- Product and processes innovation.
- Leveraging human cognitive and behavioural science for creating instructional content.
- Pervasive and ubiquitous information Communication Technologies for customized content for learning.
- Acknowledge and facilitate various learning styles and learning abilities.
- Migrating from teaching paradigm to learning paradigm.
- Every day discourse shall inculcate research culture and further the cause of societal advancement.
- Understand various markets and cultures.
- Collaborative learning and emotional integrity.
- Sensitizing about opportunities in energy Education Environment and Health care sectors.
- Extensively promoting computer aided design, analysis and manufacturing procedures.
- Theoretical rigor to develop conceptual clarity.
- Modelling and design of experiments to include culture of investigation.
- Creating foot print on project management and collaborative human endeavour.
- Interdisciplinary studies and exposure to functional areas

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YOUR ADMISSION AT INSTITUTE LEVEL PROCESS

In accordance with the Centralized Allotment Process (CAP) conducted by State Common Entrance Test Cell, Maharashtra, the college conducts

A. admission for Institute Level Seats(I.e. 20% of Sanctioned Intake) and
B. against vacancy arising from CAP Admission.

Updated details of the entire admission process are uploaded on www.tsecadmission.org website on regular basis. Candidates interested in seeking admission to our college should visit the website for all admission related information regularly.

A. Admission against Institute Quota

In the first phase, the college conducts initial Rounds of Admission against Institute Quota (20% of sanctioned intake). Candidates interested in seeking admission to our college under Institute Level seats should apply for admission through Online application form. Seats are allotted to the applied candidates on the basis of Merit List based on the MHT-CET 2020 scores.

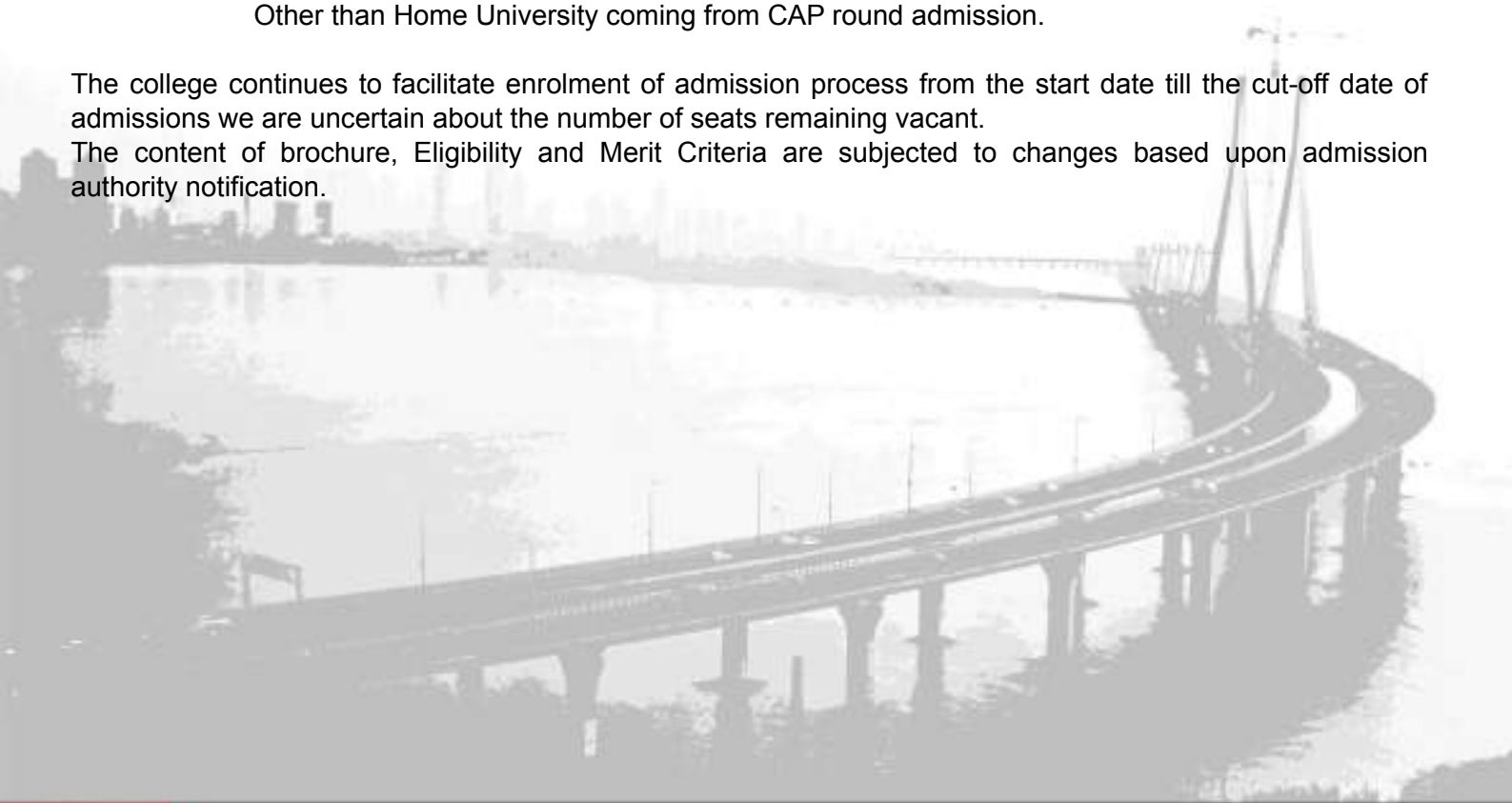
B. Vacancy Round Admission

In the second phase the college conducts admission against vacant seats arising from CAP admissions and the institute quota admissions. These are conducted through the Vacancy rounds. All candidates who have enrolled in the institute level rounds are by default eligible in these rounds, however fresh applications are also accepted in case students have not applied to earlier rounds.

Initially we may offer admission to candidates who belong to respective vacant category arising from CAP rounds admissions. For e.g.

1. Students belonging to Sindhi Minority shall be offered admission vacant seat of Sindhi quota in the CAP round admission.
2. Students from Other than Home University shall be given admission against vacant seats in Other than Home University coming from CAP round admission.

The college continues to facilitate enrolment of admission process from the start date till the cut-off date of admissions we are uncertain about the number of seats remaining vacant.
The content of brochure, Eligibility and Merit Criteria are subjected to changes based upon admission authority notification.



1. Number of seats

The college offers Bachelor of Engineering (B.E.) degree course affiliated to University of Mumbai for the duration of four years in following branches:

BRANCH	TOTAL INTAKE	INSTITUTE QUOTA (20%)
Artificial Intelligence and Data Science	60	12
Computer Engineering	180	36
Information Technology	120	24
Electronics & Telecommunication	60	12
Chemical Engineering	60	12
Total	480	96

2. Candidature Type

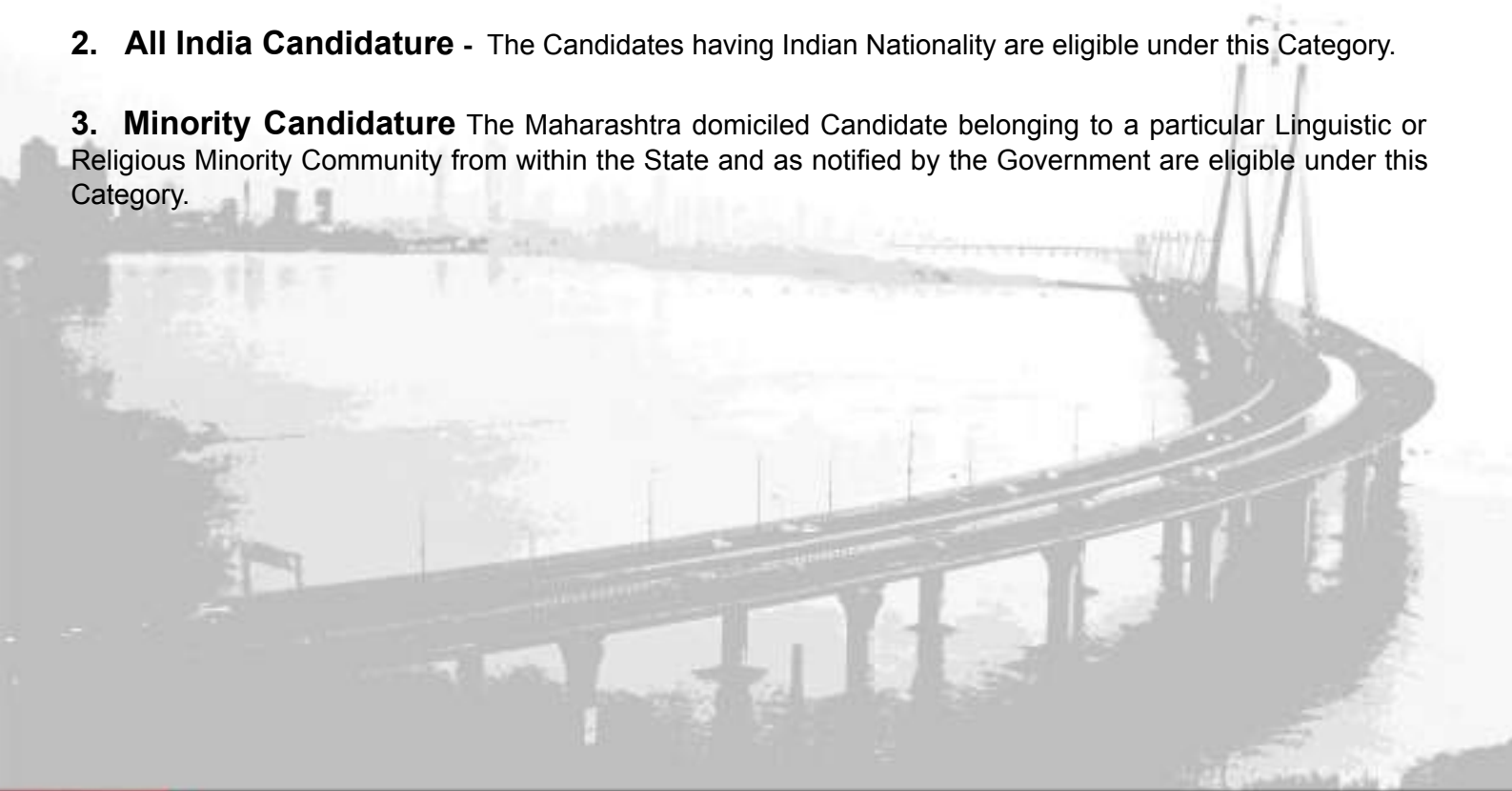
1. Maharashtra State Candidature - A Candidate can claim only one type of Maharashtra State Candidature Type i.e. from Type A to E.

Type	Eligibility Criterion	Home University
A	For First Year: - I. Candidates passing SSC and also HSC or Diploma in Engineering Examination from a recognised institution in Maharashtra State; II. Candidate who is either Domicile of Maharashtra and/or is born in Maharashtra;	Place of passing of Qualifying Examination falling within the jurisdiction of the respective University area.
B	A Candidate who does not fall in Type-A above, but who or whose Father or Mother is domiciled in the State of Maharashtra and possesses Domicile Certificate.	Place of Domicile Certificate issuing authority falling within the jurisdiction of the respective University area.

Type	Eligibility Criterion	Home University
C	A Candidate who does not fall in either Type-A or Type-B but whose Father or Mother is an employee of the Government of India or Government of India Undertaking and who has been posted and reported to duty in Maharashtra State before the last date for submission of Application Form for CAP.	Place of posting of Father or Mother of Candidate falling within the jurisdiction of the respective University area..
D	A Candidate who does not fall in any of the above Type-A, Type B and Type-C but whose Father or Mother is an employee or retired employee of the Government of Maharashtra or Government of Maharashtra Undertaking.	Place of posting of Father or Mother of Candidate or the place of settlement of the Father or Mother if retired or the place of last posting if deputed outside Maharashtra falling within the jurisdiction of the respective University area.
E	Candidates passing SSC and/or HSC Examination from a recognised institution located in a disputed Maharashtra Karnataka Border Area or from Maharashtra, residing in the disputed Maharashtra Karnataka Border Area and whose Mother tongue is Marathi.	Candidate shall be considered for the Outside Home University or State Level Seats.

2. All India Candidature - The Candidates having Indian Nationality are eligible under this Category.

3. Minority Candidature The Maharashtra domiciled Candidate belonging to a particular Linguistic or Religious Minority Community from within the State and as notified by the Government are eligible under this Category.



3. Eligibility Criteria

3.1. Maharashtra State Candidature -

- The Candidate should be an Indian National;
- Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies , and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together and The Candidate should have appeared in all the subjects in MHT-CET 2020 and should obtain non zero score in MHT-CET 2020.

OR

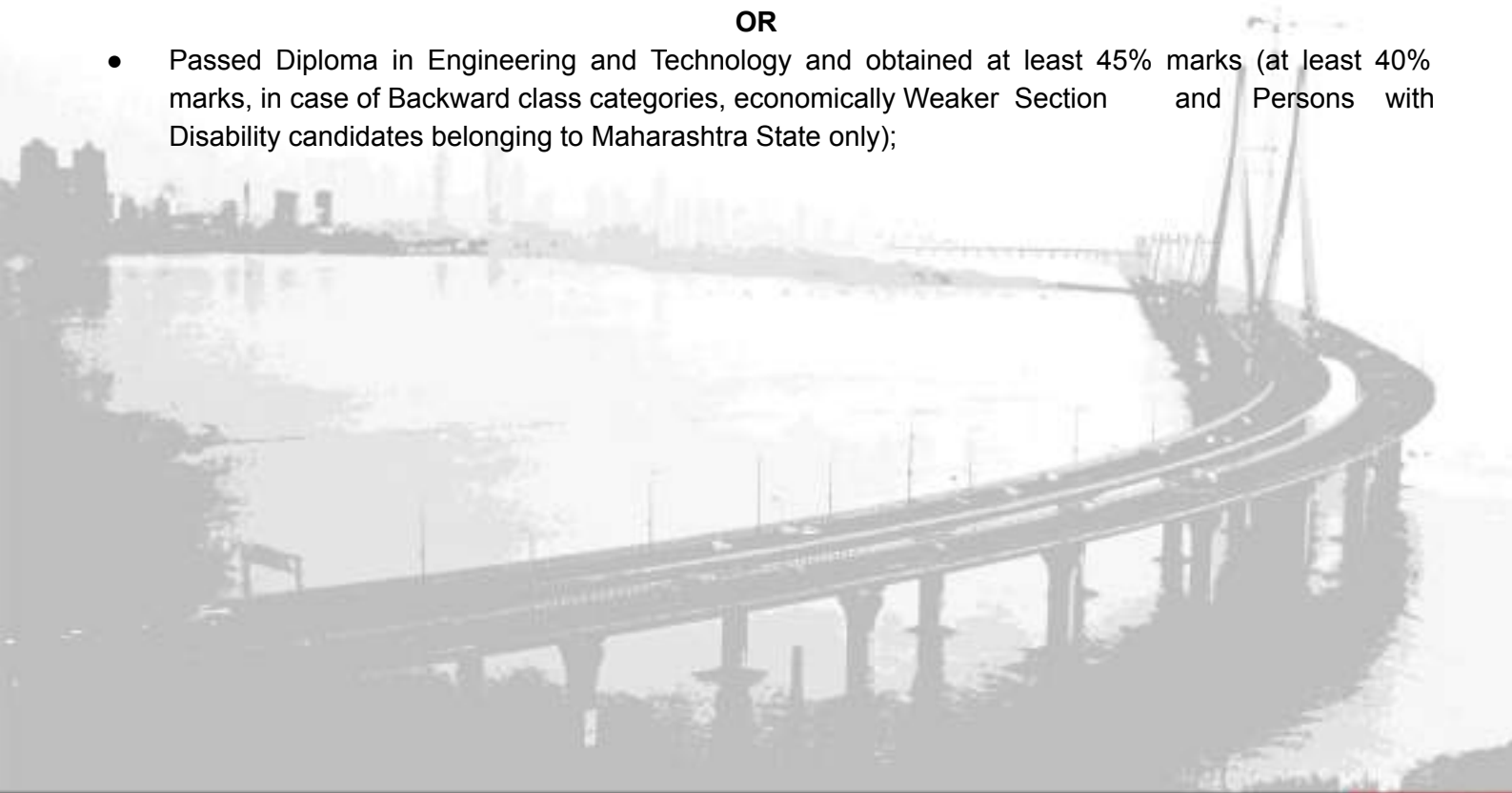
- Passed Diploma in Engineering and Technology and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only);

3.2. All India Candidature Candidates -

- The Candidate should be an Indian National;
- Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together and should obtain non zero positive score in JEE Main (B.E/B.Tech) or the candidate should have appeared in all the subjects in MHT-CET 2020 and should obtain non zero score in MHT-CET 2020.
- However, preference shall be given to the candidate obtaining non zero positive score in JEE Main(B.E/B.Tech) over the candidates who obtained non zero score in MHT-CET 2020.

OR

- Passed Diploma in Engineering and Technology and obtained at least 45% marks (at least 40% marks, in case of Backward class categories, economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only);



4. Preparation of Merit List

4.1 Assignment of merit number -

All the eligible Candidates who have submitted Online Application Form on or before the last date specified for the submission of Application Form for Admission through Institute Level shall be assigned a merit number.

4.2 Change of Marks due to verification -

If the marks in the qualifying examination are modified due to verification and the same is duly certified by the concerned Appropriate Authority or Board, the same shall be reported to the College for Institute Level admission prior to the day of display of corrected provisional merit list.

4.3 Method of calculating marks at qualifying examination for deciding ` eligibility -

While deciding the eligibility of the Candidates following procedure shall be adopted, -

A. The percentage of marks shall be calculated by rounding off to nearest integer. i.e. if the percentage of marks comes out to be 44.50% to 44.99% then it shall be rounded to 45% and if the percentage of marks comes out to be 44.01% to 44.49% shall be rounded to 44% for deciding the eligibility.

B. In case the maximum marks in an individual subject is other than 100, convert the marks out of 100 for individual subject without rounding, If sum of the converted marks of individual subjects without rounding off works out to be a figure with fraction then fraction up to two decimal places shall only be considered for calculation of percentage of marks considering maximum marks as 300 and, If the percentage comes in fraction, then rounding off shall be done as above to decide the eligibility.

C. If letter grades are assigned at SSC, HSC, Diploma, Bachelor of Science or its equivalent examination, the Candidate must submit the certificate of conversion of letter grades into equivalent marks from the concerned competent authority or Board at the time of submission of Application Form. The eligibility shall be decided on the basis of equivalent marks.

D. If the Candidate reappears for the qualifying examination with all subjects, then the marks obtained in the latest examination shall only be considered.

4.4 Assignment of Merit Number -

The merit list for the Candidate shall be prepared on the basis of marks or score secured by the Candidate in the MHT-CET 2020 conducted by the Competent Authority or marks or score secured in any other examination conducted by the concerned appropriate authority for the purpose of admission to these Courses.

Provided that, in case of tie, the relative merit of Candidates shall be resolved in the following order of preference and the methodology as specified below, -

A. higher marks or score in Mathematics at CET;

B. higher marks or score in Physics at CET;

C. higher marks or score in Chemistry at CET;

D. higher percentage of marks in Board or qualifying examination for Physics, Mathematics and Chemistry taken together;

E. higher percentage of marks in the subject Mathematics at HSC;

F. higher percentage of marks in the subject Physics at HSC;

G. higher percentage of marks in Aggregate at HSC.

5. Required Documents

Sr. No.	Type of Candidate	Copies of documents to be produced along with Application Form for Admission
1.	All Candidates	1) DTE Acknowledgement 2) MHT-CET 2020/ JEE(Main) Score Card. 3) Statement of HSC (Std. XII)/Diploma mark sheet. 4) Statement of SSC (Std. X) mark sheet. 5) Domicile/Birth Certificate 6) Leaving certificate / Transfer Certificate 7) Migration Certificate (for Other than HSC board candidates) 8) Aadhaar Card
In addition to the above documents candidates are required to produce the following **additional documents** depending upon the category to which they belong.		
2.	Sindhi Category	1) Affidavit stating Sindhi Minority 2) Proforma „O" form
3.	SC / ST	1) Caste Certificate 2) Caste Validity Certificate
4.	VJ/DTNT(A)/NT(B)/NT(C)/NT(D) / O.B.C	1) Caste certificate 2) Caste Validity Certificate 3) Non creamy layer certificate @ valid up to 31st March 2021 In case candidates

6. Retention of Original Certificate

If a candidate is offered admission, his or her original College Leaving Certificate (post Qualifying Examination) and Statement of Marks at the qualifying examination will be retained by the college. Against which Retention Certificate will be issued to the candidates willing to apply elsewhere. These two original certificates will not be returned to any candidate once admitted to a course unless the candidate cancels his / her admission or completes the entire course.

7. Fees, Cancellation & Refund

7.1. Fee Structure

Interim Fee Structure for Academic Year 2020-21 for Institute Level Admission

SR. NO.	PARTICULARS	AMOUNT (Rs)
1	Tuition Fees	166666
2	College Development Fees	18334
3	University Enrolment Fee	200
4	Marksheet Verification Fee	500
5	University Other Fee	556
6	B.U. Exam Fees (Sem I & II)	2146
7	Other Fee	0
8	Insurance (one time for 4 years)	701
	Total	**189103**
9	M.U. Eligibility fees (Other than MU)**	300
	Grand Total	**189403**

**Candidates other than H.S.C. board will have to pay Rs. 300 /- for Mumbai University Eligibility Fees in addition to above mentioned fees.

Mode of Payment

- The candidate who has been offered a seat in the college shall pay the prescribed fees through the online admission portal using Credit/Debit card, Net Banking or UPI.

OR

- The candidate can pay the fees in the form of Pay Order / D.D.(Demand Draft) of any schedule bank only, drawn in favor of “THADOMAL SHAHANI ENGINEERING COLLEGE” payable at, MUMBAI at the time of admission.
- No other mode of payment shall be permitted.

7.2. Cancellation and refund

- The candidate desirous of cancelling the admission shall produce an application in the prescribed format given in Annexure I and submit in person duly signed copy of application for cancellation of admission to the college.
- The candidate should have taken admission by paying necessary tuition fee and should have submitted original certificates before he/she applied for cancellation. In case candidate fails to submit any of the original documents within the allowed time limit after the date of admission, the admission shall be treated as cancelled. Delayed submissions of the original documents shall be allowed sparingly on prior approval by college authority.
- If the candidate desires to cancel his or her admission for any reason whatsoever during the Admission Process, he or she shall be allowed to do so and it shall be presumed that admission is cancelled at that stage.
- The candidate desirous of cancelling admission after the admission rounds shall apply for cancellation in writing and shall also give the reason for cancellation of admission.
- The candidate cancelling admission shall forfeit the candidature and no longer be considered for the admission offered by the College during the current year and fees shall be refunded to the candidate after deducting an amount as prescribed by State Common Entrance Cell, Directorate of Technical Education.
- The refund of fees before the cut-off date of admission shall be made within two days after deduction of the processing charges of. Rs.1000/- (Rupees One Thousand Only).
- If the admission is cancelled after the cut-off date of admission, there shall be no refund.

8. Miscellaneous

The medium of instruction for degree course in Engineering and Technology is English.

Admission of candidate (other than those passed HSC from Maharashtra Board) who has been admitted will be treated as finally confirmed only onproduction of the Eligibility Certificate from the University of Mumbai.

Physical fitness: Head of the institution at his or her discretion may refer any candidate to the appropriate medical authority for ascertaining the physical fitness of the candidate to undergo the requirements of the course. The report of medical authority shall be submitted to the Regional Head of Technical Education for further necessary action. Itis to be noted that physically handicapped candidates are not provided with any additional facilities as far as academic activities pertaining to the course are concerned.

Head of the institute may verify the antecedents of any candidate through the appropriate police authority.

The report received from police authority shall be submitted to the Regional Head of Technical Education for further necessary action.

Any issue not dealt herein above will be dealt with, when arising, fully and finally by the Principal.

9. Hostel Accomodation

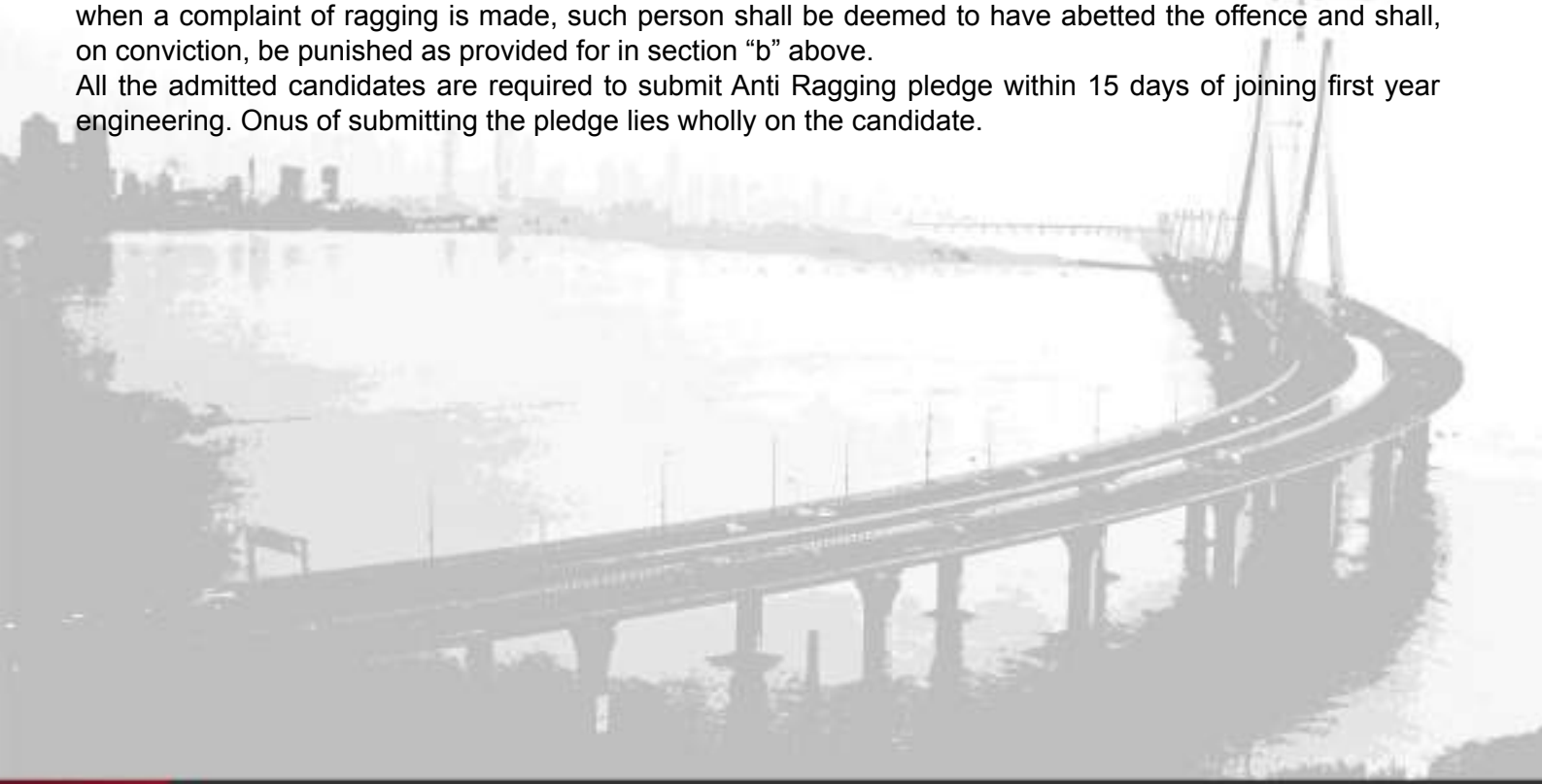
Hostel facility is not available in the campus. However assistance shall be extended to the students seeking.

10. Conduct & Discipline

i. Failure of the candidate in making full and correct Statements in the application form and/or suppression of any information and/or submission of false documents shall lead to disqualification of the candidate from the entire admission procedure. Such a candidate will be debarred from the examination as well as the entire selection process. Therefore the candidate is required to make only such claims which could be substantiated by relevant original documents.
ii. Notwithstanding anything contained in these guidelines, if the Government takes any policy decision pertaining to F.E. admissions, then the same shall be brought into effect at that point of time as per the directives from the Government from time to time.
iii. The students while studying in college, if found indulging in anti-national activities contrary to the provisions of Acts and Laws enforced by Government or in any activity contrary to rules of discipline, will be liable to be expelled from the College without any notice by the Principal of the College.

Action against Ragging:

i. Ragging within or outside of any educational institution is prohibited.
ii. Who-so-ever directly or indirectly commits, participates in, abets, or propagates ragging within or outside any educational institution shall, on conviction, be punished with imprisonment for a term up to 2 years and / or penalty which may extend to ten thousand rupees.
iii. Any student convicted of an offense of ragging shall be dismissed from the educational institution and such student shall not be admitted in any other education institution for period of five years from the date of order of such dismissal.
iv. Whenever any student or, as the case may be, the parent or guardian or a teacher of an education institution complains, in writing, of ragging to the head of the educational institution, the head of the institution shall, without prejudice to the foregoing provisions, within seven days of the receipt of the complaint, enquire into matter mentioned in the complaint and if, prima facie, it is found true, suspend student who is accused of the offence, and shall, immediately forward the complaint to the police station having jurisdiction over the area in which the educational institution is situated, for further action. Where on enquiry by the head of the education institution, it is found that there is no substance, prima facie, in the complaint received; he/she shall intimate the fact in writing to the complainant. The decision of the head of the institution shall be final.
v. If the head of educational institution fails or neglects to act in the manner specified in section “d” above when a complaint of ragging is made, such person shall be deemed to have abetted the offence and shall, on conviction, be punished as provided for in section “b” above.
All the admitted candidates are required to submit Anti Ragging pledge within 15 days of joining first year engineering. Onus of submitting the pledge lies wholly on the candidate.



11. Undertaking

All candidates who have applied for admission shall be deemed to have submitted the following undertaking: I have read all the Rules of Admission and after understanding these rules thoroughly, I have filled-in the application form for admission for the current year. The information given by me in my application is true to the best of my knowledge and belief. I understand that if any of the statements made by me in the application form or any information supplied by me in connection with my admission is later on at any time, found to be false or incorrect, my application will be cancelled, fees forfeited and I may be expelled from the College by the Principal.

i. I have not been debarred from appearing at any examination held by the government constituted or Statutory Examination Authority in India.

ii. I fully understand that the offer of a course will be made to me depending on my inter se merit and availability of a seat at the time of scrutiny of my application, when I will actually report to the admission authority according to the schedule of admission.

iii. I understand that no document after the last date of submission will be entertained for the purpose of claims or concessions etc. in connection with my admission unless otherwise mentioned in the rules.

iv. I am fully aware that the Competent Authority or its representative will not make any correspondence with me regarding admission. I am also aware that it is entirely my responsibility to see the notice board and website of concerned Admission Centre.

v. I am aware that any rule imposed by the university such as imposing limits on the number of attempts permission to pass any examination" shall be binding on me.

vi. I hereby agree to confirm to any Rules, Acts and Laws enforced by government and I hereby undertake that I will do nothing either inside or outside the College which may result in disciplinary action against me under these Rules, Acts, Laws referred to.

vii. I fully understand that the Principal of College, has right to expel me from the College for any infringement of the rules of the conduct and discipline prescribed by the College or University or Government and the Undertaking given above.

viii. Condition of minimum attendance: I am fully aware that my Academic Term shall not be granted and I will not be allowed to appear for examination if I do not attend minimum 75 per cent classes of theory, practical, drawing etc. (100% attendance will be appreciated). I am also aware that I will not be allowed to appear for the examination, if I fail to submit satisfactorily all the assignments, jobs, journals, drawings, reports as specified by the University within the stipulated time limit.

Artificial Intelligence and Data Science

The literature and practices of Artificial Intelligence is getting revamped dramatically and reacting a point where it gets reinvented. The global marketplace is looking forward for complete restructuring of digital solutions to business/industrial process at large by building intelligent systems. The industries and businesses all over the world has been undertaking massive projects to radically modify their enterprise software systems by integrating Artificial Intelligence techniques and coupled with Data Analytics.

The first wave of AI was dating back to 60's and second wave founded its foot in early 90's and what we witness now is a third wave of AI technique and algorithms which can be implemented in internet/communication protocols and energized by possibilities of integration with database residing in public/private clouds. It is reported that currently lots of shortage of trained engineering graduates/ human capital to man AI driven projects which are growing in leaps and bounds in terms of volumes.

Indian Planning Commission based upon inputs from various industry bodies/ consultancies is proactive in advising AICTE and State Governments to create capacity in Artificial Intelligence and Data Science studies in universities and engineering colleges. The political establishment and business /economic establishment is very keen to enroll large number of engineering graduates with competency in AI and DS disciplines to be part of supply chain for global markets and also for local markets. There exists a consensus where informed people believe, India as a country can evolve as a total solution provider in the area of AI and DS, as it requires limited capital investment and heavily depends on learner's mathematical integrity. Learner's aspiring to get exposed to nascent technologies in the realm of computer and digital technology with an aptitude for tracking mathematical complexities shall aspire to join 4 years degree programs in AI and DS which is getting established in the current year. It is an excellent opportunity to satisfy intellectual ego in addition to massive market opportunities.

Dr. M. Maniroja
Head of Department

Computer Engineering

The Computer Engineering department of Thadomal Shahani Engineering College was established in the year 1984 and has grown over the years into a competent department with state of the art computing facilities and a dedicated faculty. The goal of the department is to establish state of the art computing environment to develop competent computer engineers imbibed with the spirit of professionalism and responsible citizenship.

The department emphasizes the vision of the Thadomal Shahani Engineering College for excellence in education. Highly qualified, dedicated faculty and good infrastructure facilities make this dream realizable. Department is accredited by National Board of Accreditation (NBA) for the period 2019 to 2022.

The Department has continuously upgraded the infrastructure according to the changing needs of the technological environment. The Department has a rich infrastructure with more than 300 branded machines of latest configuration. Internet browsing facility with lease-line connectivity of 12 Mbps is provided in all laboratory and faculty rooms. Good Interaction with the Industries is maintained so that the students also have better exposure to the professional environment and its needs.This also helps in bridging the gap between the academics and Industry requirements so that our students have preference in the Industrial arena.

In order to keep up the cutting edge technologies, department has a digital library facility with reputed International and National Journals like Sciencedirect etc. The students are focused with the use of conceptual understanding of core domain areas in computing as well as enhanced programming skills disseminating their analytical abilities. Our aim is to provide our students the lifelong learning and leadership skills that enable them to grow in their professions and advance to positions of responsibility by effective Industry-Institute Interaction. The Department has an excellent placement record and the students are placed in prestigious software industries all across the globe.

Along with Degree program in Computer Engineering, Department has also started Research Program (Ph.D.) in the academic year 2014 – 2015.

Dr. Tanuja Sarode
Head of Department

Information Technology

Thadomal Shahani Engineering College induced the field of Information Technology in the year 1998 with the vision of helping learners to develop competency in acquiring modelling and programming skills. The department offers four years Bachelor's Degree Program and a Research Centre wherein Doctoral Program is also offered. The Department aims at strengthening and preparing students for lifelong learning, research and successful adaptation of ever changing technology, which helps them to develop an ability to analyze, design and provide novel IT solutions for engineering problems. The department has always been on a high growth path to keep pace with the ever increasing importance of intuitive and intelligent architectural solutions.

At the desktop of achievements, the department has taken initiative to start Centre of Excellence (CoE) in the domains of Cloud Computing, Blockchain Technology, Data Science and Analytics. The CoE strives to provide resource intensive laboratory infrastructure to foster students in developing core competency in the disciplinary areas of Deep Learning, Artificial Intelligence and BlockChain Technologies. We are also in the process of developing virtuosity in quantum computing and allied emerging technologies. We are confident of enabling graduates to acquire aforesaid competencies & proficiency to be relevant to emanating global marketplace. With our collective wisdom and modernistic understanding of the nation building process, we are bound to help and re energize our students.

The department has a blend of experienced and young faculty members who also work as mentors to the equally diligent, hardworking and intelligent students. The students and staff members are perpetually encouraged to organize and participate in several seminars, conferences, workshops and refresher courses in the fields of their own interest. The Mission of TSEC IT Department includes Project Based Learning as a pervasive pedagogy, theoretical rigor to develop conceptual clarity and introducing risk management, risk mitigation and the process of hedging. Our everyday discourse inculcates research culture and creates IPR in terms of process and product patents, by understanding diverse markets and culture.

Some of the striking tours de force over the past year are the TSEC Hackathon on "Blockchain & Social Cause" organized by IT students under the committee "TSEC Codestorm" which reaped a grand participation of over 250 students from 50 colleges across Mumbai, Technical Project Expo and many programming-led courses and Internships activities. We try to foster & enhance the culture of entrepreneurship, start-up ventures and incubation processes.

IT Department hugely succeeds in creating gender agnostic academic ambience where pupils are expected to thrive and emerge as productive entity over a period of four years of engagement. TSEC is having a strong association with industries around Mumbai, multinational, transnational enterprises and more than 70 enterprises offer campus placement for our graduates. Our students represent TSEC at numerous national platforms like Smart India Hackathon and have won accolades. Our alumni hold esteemed positions in many reputed companies in India and abroad. Our students have passed various competitive examinations like GATE, GRE, CAT etc. with remarkable scores and secured their admissions in premier educational Institutions in India and Universities overseas.

We provide exposure of current trends in IT to our students by inviting experts from industry. Various Short Term Training Programmes are conducted for student and faculty members to give insights about the latest branches and technologies in the field. Beyond syllabus activities are conducted for bridging the gap between academia and IT industry.

Dr. Madhuri Rao
Head of Department

Electronics and Telecommunication

Department of Electronics and Telecommunication was established in year 2002 with a clear view of a forerunner in the field of Telecommunications, the Department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized communication related fields. This Department earlier had nomenclature of Electronics Engineering from 1983 to 2001. Department is accredited by National Board of Accreditation (NBA) for the period 2019 to 2022. The Department also offers a Doctoral research program in Electronics Engineering (Ph D). Two Students have completed their Ph. D. and awarded Doctorate degree by Mumbai University.

A highly qualified, experienced, dynamic and technologically updated faculty with this department, endows the professional cutting edge. The department has a good record of organizing seminars, workshops, and symposia in emerging technological areas. Department faculty and students together have published 50 papers in peer reviewed journals and also filed patents in the areas of miniaturization of antennas and Energy Harvesting. The curriculum of the program has been designed to cater to the ever changing needs and demands of communication industry. The focus is on holistic learning and empowering students to make significant contributions at all levels. The open elective system gives a handful of choices for students to develop expertise in their area of interest such as Neural Networks, Radar engineering, Data compression and Encryption, Satellite Communication and Image processing etc.

Department has one of the best state-of-the art hardware and software laboratories with special focus on telecommunication. Department faculty regularly interacts with industry experts by arranging industrial visits, guest lectures and industrial training. Our students take up final year project in the field of embedded systems, Controls & Automations, Signal Processing, Image Processing, Antenna, Wireless Networks, Mobile Communications under the guidance of our highly qualified, experienced faculties to meet the emerging trends and challenges in the field of Electronics & Telecommunication Engineering and its allied areas on the global platform. The department also receives the grant from the University of Mumbai for the same.

Our students have shown an all round performance in technical and non-technical competitive events at state and national level. The latest example is our Second year students participated in REX2K20, MITM, Sindhudurg. They have won the special prize for an idea of making staircase climbing wheelchair for Paraplegics. Department students regularly participate in coding competitions organized by corporate houses like J P Morgan Chase (JPMC), TCs, L&T infotech etc. Winners of these competitions have got highly paid jobs in these companies. Our graduates are well placed in reputed industries, academic and research organization in India and admitted for higher studies in various universities of USA, UK, Australia, etc.

Dr. Ashwini Kunte
Head of Department

Chemical Engineering

The Chemical Engineering Department in TSEC was started right from the inception of TSEC in 1983. The department is accredited by National Board of Accreditation upto 30.06.2022.

The department is run by a team of highly experienced teaching faculty holding degrees from premier institutes of the country, which are supported by sufficient number of trained and skilled non-teaching staff .The teaching staff, include six personnels with doctorate degrees. We have well equipped laboratories with safety and first-aid arrangements and dedicated computer lab facility, AC classrooms with computer and projector facility, and we ensure suitable environment for teaching learning process.

In the last 37 years, our students have brought several laureates to the department by regularly securing high ranks in university exams, winning prizes in several national and international technical events. The final year students are encouraged to carry out dissertation/project work in association with highly reputed educational institutes, PSUs and prominent chemical industries. Our final year results have always remained above 95%.

Continuous teaching learning for faculty and students is ensued by conducting regular short term training programs and lectures by experts in the field. Department runs a culture of imperative internship for students of all the semesters. The students do the internship during their winter and summer vacations. We have dedicated staff to assist the student in securing internships.

Graduating students opting for placement secure jobs in reputed companies like Reliance, Tecnimont, Aker, GS&E, TCE, Technip FMC, Worley Parson, Toyo, BASF, Ernst and Young, Zycus, Burns & McDonnell, KPMG,Deloitte and top IT companies.Our students who choose to go for higher studies ,secure admissions for masters and doctoral studies in many reputed foreign Universities like Imperial College London, UK, Delft University of Technology, Netherlands, University of Illinois at Urbana-Champaign, United States, Cornell University, United States, Michigan State University, Penn State University, The Ohio State University, University of Rochester, University of Pittsburgh, University of Alberta, University of Houston, University of British Columbia, Northeastern University, Carnegie Mellon University, United States and in premier institutes of the country. Our alumni hold key position in industry.Department also produces entrepreneurs Some of our distinguished alumni are Mr. Jayesh Tekchandaney (1996), Founder and Director of Unique Mixers & Furnace Pvt Ltd, Mr. Kunal Sikchi (2008), Founder and Director of Matrix Fine Sciences Pvt Ltd, Mr. Rohit Shetty(2009), Founder and Director of First Step Publishing and Transdigi, Mr. Sohail Gupta(2010), Director of Sureflo Techcon Pvt Ltd, Miss Lekha Nirmal(2016), Director of P-Mech Consultant Pvt Ltd ,Mr. Ashish Gharpure (1989)Vice President (EP Projects) at Aker Solutions and Mr. Sudhir Shenoy(1990) CEO at DOW Chemical International Pvt. Ltd.

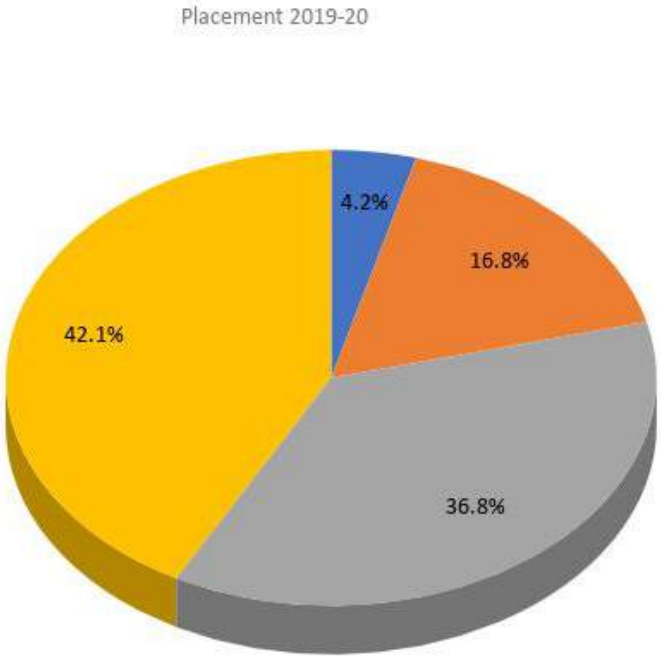
Dr. Anita Kumari
Head of Department

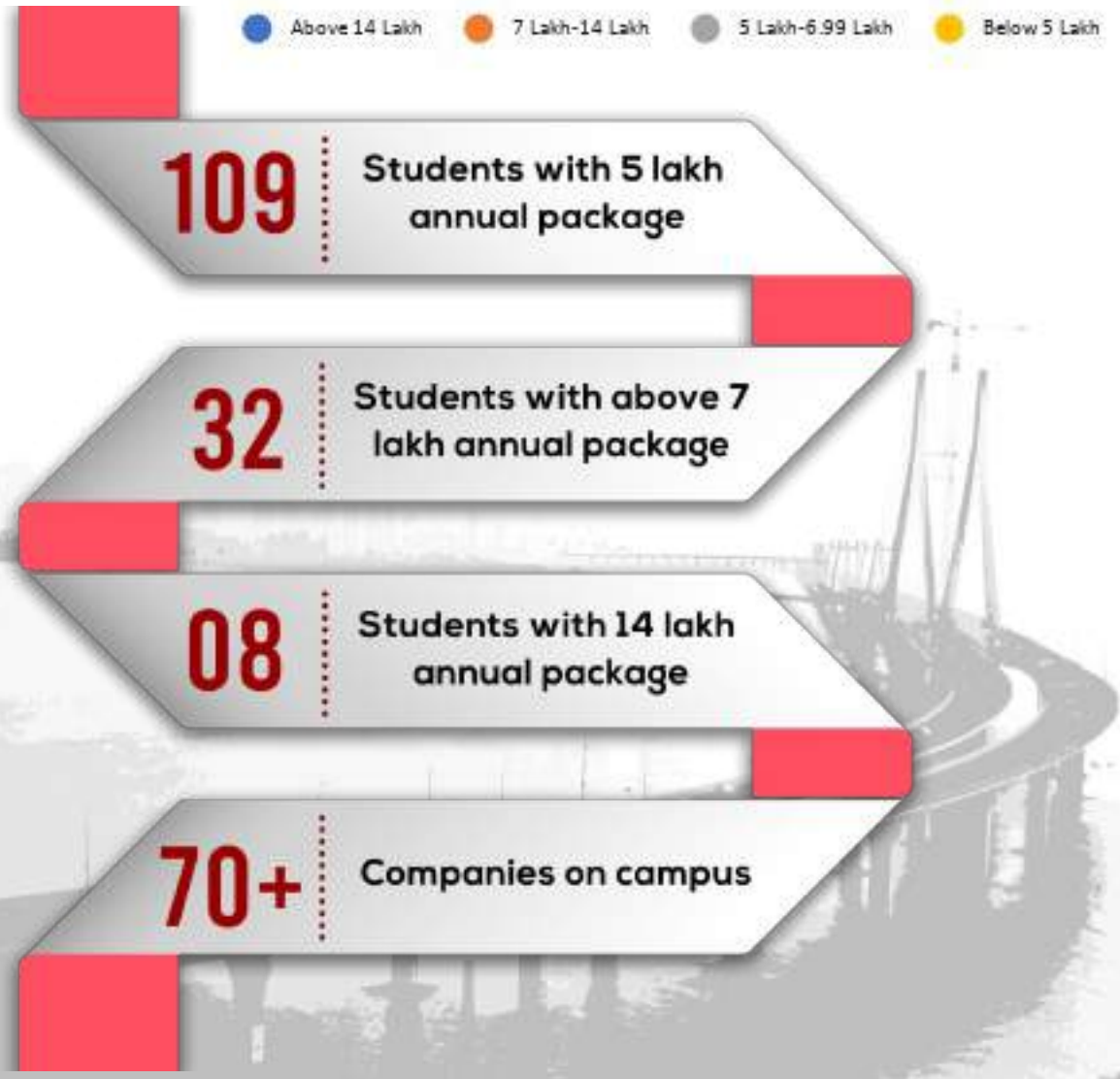
PLACEMENTS

TSEC enjoys high credentials amongst the top business enterprises seeking intellectual capital with high level of productivity and work culture. We succeeded in perpetuating placement/admission to post graduate programmes in Engineering/Management in highly reputed National and International institutions.

TSEC provides opportunities for Pre-Placement training, Summer Internships and Higher Studies in Postgraduate Programmes.

To increase the internship facilities, MoUs have been signed with many industries during this year. More than 100 students from various branches have completed their industrial internships.





OUR CURRENT RECRUITERS

PLACEMENT 2021 BATCH

- Placement Activities for A.Y 2020-21 started from August 2020
- Deutsche Bank conducted test on 3rd August and interview on 4th August. Pay package offered for role of Graduate Analyst is Rs. 19.63 lacs and total number of selects-10 students. 06 students' of 2022 batch were offered two months summer internship with stipend of Rs.75 thousand per month.
- Interactive Brokers conducted test on 17th August and interview in September . Pay package offered for role of Software Developer is INR 8,28,462/-LPA + Variable Bonus, number of selects till date is 01 student
- UBS conducted test on 26th August 2020 and interview date on 28th August 2020. Pay package offered for role of Software Technology is INR 8,50,000 cost to company per annum and number of selects-03 students
- Deloitte USI & India conducted test on 27th August and interview date on 1st September 2020. Pay package offered for role of Business Technology Analyst/ Analyst-Technology Consulting is INR 7.6 LPA and number of selects for Deloitte USI-19 & Deloitte India-08, in all are 27 students (Deloitte USI & India)
- Total of 08 students were selected based on their performance during the Code For Good event Of JP Morgan Chase & Co. which was conducted from 23rd – 26th July and an offer for a full-time position to join JPMorgan Chase & Co as part of 2021 class of Software Engineer Program with compensation package of 12 LPA (fixed pay) + 01 Lakh (One time Sign-on) + 01 Lakh (Relocation Lumpsum)
- LTI conducted test on 29th August 2020 and interview date on 12th September 2020. Pay Packages offered by LTI are INR 6.5 LPA & INR 5LPA and number of selects for 5 LPA - 44 & 6.5 LPA -12, in all 56 students
- Capgemini conducted test on 30th August and interview on 15th September 2020, Pay Packages offered for role of analyst is 3.8 LPA and number of selects 29 students
- Goldman Sachs conducted pan India level test on 9th August 2020, 03 students got selected for further rounds which is scheduled in mid-September 2020
- Total of 06 students have qualified for the final round of the Infosys competition won a pre-placement interview opportunity through #HackWithInfy 2020, 02 students from the shortlisted candidates were offered the role of Specialist Programmer & Systems Engineer with pay package of 8 LPA & 3.6 LPA respectively
- Total of 17 students, cleared Codevita Season 9 TCS competition, 03 students were offered TCS-Digital package and 02 students with TCS Ninja package

- Anand Rathi conducted test on 11th September 2020 and interview on 14th September, no selects for the role offered by the company

- Seclore conducted test on 22nd September 2020 and interview process on 24th September. Pay Package offered for role of Trainee Product Engineer is 6.5 LPA and number of select 01 student

- Barclays conducted test on 23rd September 2020 and interview on 25th September 2020. Pay Package offered for role of Technology Graduate is 8.5 LPA and number of selects- 06 students

- Quantiphi conducted test on 28th September 2020 and interview on 29th September 2020. Pay Package offered for role of Business Analyst & Framework Engineer is 8.5 LPA and number of selects- 19 students

- Infosys Pan India level test is scheduled from 28th September 2020 to 1st October 2020. Around 120 students appeared for the test process

- Dolat Capital Market Pvt. Ltd conducted test on 1st Oct0ber 2020 and interview on 02nd October 2020. Pay Package offered for role of software developer is 6.5 LPA and number of selects- 01 student

- Amdocs conducted test on 3rd Oct0ber 2020 and interview on 10th October 2020. Pay Package offered for role of Development/Testing/Support is 5 LPA and number of selects – 07 students

- Accenture conducted online Assessment on 19th October , communication assessment on 21st & 22nd October, virtual interview on 24th , 26th & 27th October. Pay Packages offered by Accenture are INR 6.5 LPA & INR 4.5 LPA and number of selects for 4.5 LPA – 27 students & for 6.5 LPA -02 students , in all 29 students

- Cognizant conducted online assessment on 18th October & 19th October 2020 and interviews on 26th November 2020, interview results are awaited

- Tata Consultancy Services conducted TCS NQT test from 24th-28th October 2020 and interviews in month of November 2020, result of interviews are awaited

- Hexaware conducted GET-virtual campus recruitment process test during August 2020 and interviews in month of October 2020. Pay Package offered for role of Graduate Engineer Trainee is 3.5 LPA and number of selects – 01 student

- C2LBIZ conducted test on 12th November 2020 and interview on 18th November 2020. Pay Package offered for role of Trainee Software Developer is 2.8 LPA and number of selects- 01 student

- Zycus conducted test on 17th November 2020 and interview rounds from 18th November 2020 onwards. List of selected candidates awaited from the company

- Visible Alpha conducted test on 23rd November 2020 and interview on 24th November 2020. Pay Package offered for role of Software Engineer I is 06 LPA (fixed) and number of selects- 01 student

- Praxis Global Alliance conducted test for the role of Business Analyst on 25th November 2020 and interview rounds of shortlisted students are scheduled on 07th December 2020

- Reliance Jio conducted test for the role of Software Trainee on 26th November 2020 and final interview round of shortlisted student is scheduled on 02nd December 2020

- BillDesk conducted test on 27th November 2020 and interview on 28th November 2020. Pay Package offered for role of Tech Analyst/Product Analyst is 06 LPA and number of selects – 07 students

Upcoming Placement Companies Schedule:

- Jaro Education:- 22nd & 23rd December 2020 for the role of Graduate Trainee with compensation package of Rs. 6.6 LPA

Placement of students currently studying in final year as on 1st December 2020 who is expected to pass out in July - August 2021

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
1	Amol Sawant	Computer Engineering	Deutsche Bank	19.63
2	Ayush Manghirmalani	Computer Engineering	Deutsche Bank	19.63
3	Payal Kadam	Computer Engineering	Deutsche Bank	19.63
4	Prem Nagdeo	Information Technology	Deutsche Bank	19.63
5	Chinmay Jadhav	Computer Engineering	Deutsche Bank	19.63
6	Rishab Saini	Computer Engineering	Deutsche Bank	19.63
7	Akash Chhabra	Information Technology	Deutsche Bank	19.63
8	Devansh Doshi	Information Technology	Deutsche Bank	19.63
9	Malvika Rao	Computer Engineering	Deutsche Bank	19.63
10	Medha Gavkar	Computer Engineering	Deutsche Bank	19.63

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
11	Vidhi Kathuria	Information Technology	UBS	8.5
12	Siddhant Tiwarekar	Computer Engineering	UBS	8.5
13	Akshita Gulati	Electronics & Telecommunication	UBS	8.5
14	Adhithyaram Suriyanarayanan	Information Technology	JPMorgan Chase & Co.	14
15	Vidhi Kathuria	Information Technology	JPMorgan Chase & Co.	14
16	Khushbu Hasija	Information Technology	JPMorgan Chase & Co.	14
17	Shruti Kumar	Information Technology	JPMorgan Chase & Co.	14
18	Miral Gandhi	Computer Engineering	JPMorgan Chase & Co.	14
19	Kenil Shah	Computer Engineering	JPMorgan Chase & Co.	14
20	Meet Merchant	Information Technology	JPMorgan Chase & Co.	14
21	Neha Alshi	Computer Engineering	JPMorgan Chase & Co.	14
22	Neha Jaitpal	Computer Engineering	Deloitte USI	7.6
23	Rahul Laungani	Computer Engineering	Deloitte USI	7.6
24	Simran Javeri	Computer Engineering	Deloitte USI	7.6
25	Pranali Oza	Information Technology	Deloitte USI	7.6
26	Aashish Rahate	Electronics & Telecommunication	Deloitte USI	7.6
27	Vinaya Bomnale	Information Technology	Deloitte USI	7.6
28	Sourish Dewani	Computer Engineering	Deloitte USI	7.6

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
29	Vikas Jaiswal	Electronics & Telecommunication	Deloitte USI	7.6
30	Kasturi Medhekar	Information Technology	Deloitte USI	7.6
31	Hariharan Pillai	Computer Engineering	Deloitte USI	7.6
32	Sanika Dhavan	Computer Engineering	Deloitte USI	7.6
33	Adithi Acharya	Information Technology	Deloitte USI	7.6
34	Vatsal Shah	Information Technology	Deloitte USI	7.6
35	Ishita Kotian	Computer Engineering	Deloitte USI	7.6
36	Pearl Jain	Computer Engineering	Deloitte USI	7.6
37	Ritika Talreja	Computer Engineering	Deloitte USI	7.6
38	Bhavika Madhwani	Computer Engineering	Deloitte USI	7.6
39	Rachana Acharya	Computer Engineering	Deloitte USI	7.6
40	Vivina Nayak	Computer Engineering	Deloitte USI	7.6
41	Aishita Jain	Electronics & Telecommunication	Deloitte India	7.6
42	Bhumika Kothari	Information Technology	Deloitte India	7.6
43	Jay Shah	Information Technology	Deloitte India	7.6
44	Jitesh Dadlani	Computer Engineering	Deloitte India	7.6
45	Krish Chawla	Electronics & Telecommunication	Deloitte India	7.6

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
46	Pratik Singh	Chemical Engineering	Deloitte India	7.6
47	Sadiya Chowdhary	Biomedical Engineering	Deloitte India	7.6
48	Sakshi Shah	Chemical Engineering	Deloitte India	7.6
49	Vikas Jaiswal	Electronics & Telecommunication	Interactive Brokers	8.28
50	Khushi Bhuwania	Computer Engineering	LTI	5
51	Chitra Singh	Information Technology	LTI	5
52	Kunal Israni	Information Technology	LTI	5
53	Paras Bhavnani	Computer Engineering	LTI	5
54	Priyanka Sheth	Computer Engineering	LTI	5
55	Ritika Sakpal	Computer Engineering	LTI	5
56	Rohit Methwani	Computer Engineering	LTI	5
57	Arjun Parmani	Computer Engineering	LTI	5
58	Ajay Jha	Electronics & Telecommunication	LTI	5
59	Amogh Kubal	Information Technology	LTI	5
60	Siddhid Choudhary	Computer Engineering	LTI	5
61	Simran Chelani	Computer Engineering	LTI	5
62	Ameya Joshi	Biomedical Engineering	LTI	5
63	Nidhi Thawani	Computer Engineering	LTI	5
64	Himanshu Pundir	Electronics & Telecommunication	LTI	5
65	Nikhil Gyanchandani	Information Technology	LTI	5

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
66	Chaitali Gaitonde	Biomedical Engineering	LTI	5
67	Meet Jain	Biomedical Engineering	LTI	5
68	Prachi Nalawade	Electronics & Telecommunication	LTI	5
69	Roshan Jha	Electronics & Telecommunication	LTI	5
70	Mohit Krishnani	Computer Engineering	LTI	5
71	Isha Gupta	Information Technology	LTI	5
72	Hema Sachdev	Information Technology	LTI	5
73	Pooja Vaswani	Computer Engineering	LTI	5
74	Mayur Brijwani	Computer Engineering	LTI	5
75	Harsh Lohana	Information Technology	LTI	5
76	Suditi Patil	Electronics & Telecommunication	LTI	5
77	Vinit Soni	Information Technology	LTI	5
78	Anirudh Pillai	Electronics & Telecommunication	LTI	5
79	Kushagra Shrivastava	Computer Engineering	LTI	5
80	Purnima Chabria	Information Technology	LTI	5
81	Zenil Shah	Information Technology	LTI	5
82	M S Apurva	Information Technology	LTI	5
83	Khushbu Singh	Information Technology	LTI	5
84	Vaishnavi More	Information Technology	LTI	5
85	Anjali Save	Information Technology	LTI	5

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
86	Supriya Modi	Information Technology	LTI	5
87	Neha Malhotra	Information Technology	LTI	5
88	Pallavi Vaswani	Computer Engineering	LTI	5
89	Laksh Jadhwani	Computer Engineering	LTI	5
90	Chinmayi Dabholkar	Computer Engineering	LTI	5
91	Krutika Hiranandani	Computer Engineering	LTI	5
92	Ajinkya Jadhav	Information Technology	LTI	5
93	Pranav Tella	Information Technology	LTI	5
94	Sahil Satramani	Computer Engineering	LTI	6.5
95	Oveshahmed Patel	Information Technology	LTI	6.5
96	Mahima Bhatt	Information Technology	LTI	6.5
97	Girish Salunke	Information Technology	LTI	6.5
98	Khushboo Galrani	Information Technology	LTI	6.5
99	Sunny Chugh	Computer Engineering	LTI	6.5
100	Ayushi Shah	Information Technology	LTI	6.5
101	Tanya Khanchandani	Information Technology	LTI	6.5
102	Ashish Manghani	Information Technology	LTI	6.5
103	Jay Jhangiani	Computer Engineering	LTI	6.5
104	Mohnish Nathani	Information Technology	LTI	6.5
105	Srishti Rajani	Computer Engineering	LTI	6.5

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
106	Milan Chandiramani	Computer Engineering	Seclore	6.5
107	M S Apurva	Information Technology	Barclays	8.5
108	Pranav Patro	Computer Engineering	Barclays	8.5
109	Janhavi Zarapkar	Information Technology	Barclays	8.5
110	Harsh Lohana	Information Technology	Barclays	8.5
111	Amogh Kubal	Information Technology	Barclays	8.5
112	Riyush Motwani	Computer Engineering	Barclays	8.5
113	Rajvee Patel	Information Technology	Quantiphi	8.5
114	Nisha Shetty	Computer Engineering	Quantiphi	8.5
115	Mayur Brijwani	Computer Engineering	Quantiphi	8.5
116	Mohit Krishnani	Computer Engineering	Quantiphi	8.5
117	Sagadevan Kounder	Information Technology	Quantiphi	8.5
118	Nikhil Gyanchandani	Information Technology	Quantiphi	8.5
119	Tushar Pahuja	Information Technology	Quantiphi	8.5
120	Paras Bhavnani	Computer Engineering	Quantiphi	8.5
121	Chitra Singh	Information Technology	Quantiphi	8.5
122	Kajal Gandhi	Information Technology	Quantiphi	8.5
123	Akshay Zantye	Computer Engineering	Quantiphi	8.5
124	Dinsha Vaswani	Computer Engineering	Quantiphi	8.5
125	Pavan Agarwal	Computer Engineering	Quantiphi	8.5

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
126	Dhiresh Hirani	Computer Engineering	Quantiphi	8.5
127	Jay Satoskar	Computer Engineering	Quantiphi	8.5
128	Bishwajit Jha	Computer Engineering	Quantiphi	8.5
129	Sushant Sawant	Information Technology	Quantiphi	8.5
130	Harshdeep Mishra	Computer Engineering	Quantiphi	8.5
131	Anuj Vyas	Information Technology	Quantiphi	8.5
132	Tarun Kachhela	Computer Engineering	Dolat Capital Market Private Limited	6.5
133	Jaysurya Ray	Electronics & Telecommunication	Infosys-HackwithInfy	8
134	Oveshahmed Patel	Information Technology	TCS Codevita – Digital	7
135	Pavan Agarwal	Computer Engineering	TCS Codevita - Digital	7
136	Milan Chandiramani	Computer Engineering	TCS Codevita - Digital	7
137	Srishti Rajani	Computer Engineering	TCS Codevita - Ninja	3.36
138	Rahul Chugh	Computer Engineering	TCS Codevita - Ninja	3.36
139	Chinmay Patil	Computer Engineering	Amdocs	5
140	Harsh Kukreja	Computer Engineering	Amdocs	5
141	Isha Kumar	Electronics & Telecommunication	Amdocs	5
142	Rachna Soundatti	Computer Engineering	Amdocs	5
143	Abhishek Patel	Computer Engineering	Amdocs	5
144	Rahul Chugh	Computer Engineering	Amdocs	5
145	Vaishnavi Udupa	Computer Engineering	Amdocs	5
148	Sandesh Virwani	Information Technology	CapGemini	3.8

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
149	Apurva M S	Information Technology	CapGemini	3.8
150	Bipin Advani	Electronics & Telecommunication	CapGemini	3.8
151	Suditi Patil	Electronics & Telecommunication	CapGemini	3.8
152	Khushboo Galrani	Information Technology	CapGemini	3.8
153	Hitesh Idnani	Information Technology	CapGemini	3.8
154	Ujas Italia	Information Technology	CapGemini	3.8
155	Jay Satoskar	Computer Engineering	CapGemini	3.8
156	Rohan Asnani	Information Technology	CapGemini	3.8
157	Mohit Krishnani	Computer Engineering	CapGemini	3.8
158	Manoj Loungani	Computer Engineering	CapGemini	3.8
159	Mohit Rajesh Punjabi	Information Technology	CapGemini	3.8
160	Dinsha Vaswani	Computer Engineering	CapGemini	3.8
161	Paras Bhavnani	Computer Engineering	CapGemini	3.8
162	Chinmay Joshi	Electronics & Telecommunication	CapGemini	3.8
163	Ritika Laharia	Information Technology	CapGemini	3.8
164	Isha Kumar	Electronics & Telecommunication	CapGemini	3.8
165	Sunny Chugh	Computer Engineering	CapGemini	3.8
166	Sanchali Goswami	Electronics & Telecommunication	CapGemini	3.8
167	Tushar Pahuja	Information Technology	CapGemini	3.8
168	Rajvee Patel	Information Technology	CapGemini	3.8
169	Akshay Zantye	Computer Engineering	CapGemini	3.8

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
170	Pallavi Vaswani	Computer Engineering	CapGemini	3.8
171	Harsh Lohana	Information Technology	CapGemini	3.8
172	Kunal Mukesh Israni	Information Technology	CapGemini	3.8
173	Mayur Brijwani	Computer Engineering	CapGemini	3.8
174	Anjali Sandesh Save	Information Technology	CapGemini	3.8
175	Rahul Vinod Chugh	Computer Engineering	CapGemini	3.8
176	Tejaswee Panchal	Biomedical Engineering	Accenture	4.5
177	Mohit Lekhrajani	Computer Engineering	Accenture	4.5
178	Priya Rathi	Computer Engineering	Accenture	4.5
179	Kunal Chawla	Computer Engineering	Accenture	4.5
180	Pranav Bathija	Computer Engineering	Accenture	4.5
181	Raj Motwani	Computer Engineering	Accenture	4.5
182	Siddharth Thakkar	Computer Engineering	Accenture	4.5
183	Saniya Gera	Computer Engineering	Accenture	4.5
184	Ankush Khatri	Computer Engineering	Accenture	4.5
185	Shail Lakhani	Electronics & Telecommunication	Accenture	4.5
186	Sanchali Goswami	Electronics & Telecommunication	Accenture	4.5
187	Nishant Shedale	Electronics & Telecommunication	Accenture	4.5
188	Sandesh Virwani	Information Technology	Accenture	4.5
189	Abhishek Chaturvedi	Information Technology	Accenture	4.5
190	Mohit Punjabi	Information Technology	Accenture	4.5

Sr No	Name of the candidate	Branch	Company Name	Package offered (In Lakhs)
191	Kamakshi Shah	Information Technology	Accenture	4.5
192	Mahima Sharma	Information Technology	Accenture	4.5
193	Aryak Deshpande	Information Technology	Accenture	4.5
194	Ujas Italia	Information Technology	Accenture	4.5
195	Manas Zagade	Information Technology	Accenture	4.5
196	Yash Mehta	Information Technology	Accenture	4.5
197	Ankita Mistry	Electronics & Telecommunication	Accenture	4.5
198	Vedant Jasani	Computer Engineering	Accenture	4.5
199	Kishi Panchal	Biomedical Engineering	Accenture	4.5
200	Karan Balani	Computer Engineering	Accenture	4.5
201	Dimple Chhabria	Computer Engineering	Accenture	4.5
202	Sanjeev Bhardwaj	Information Technology	Accenture	4.5
203	Harsh Nahar	Information Technology	Accenture	6.5
204	Ritika Laharia	Information Technology	Accenture	6.5
205	Vishal Jeshnani	Information Technology	Hexaware	3.5
206	Mohit Nagpal	Computer Engineering	C2LBIZ	2.8
207	Lavina Chugh	Computer Engineering	BillDesk	6
208	Shubham Dwivedi	Computer Engineering	BillDesk	6
209	Rittick Sinha Roy	Computer Engineering	BillDesk	6
210	Pankaj Wadhwani	Computer Engineering	BillDesk	6
211	Shakshi Parekh	Information Technology	BillDesk	6
212	Pranay Kushnaji	Electronics & Telecommunication	BillDesk	6
213	Sarvesh Pande	Information Technology	Bill Desk	6
214	Lavina Chugh	Computer Engineering	Visible Alpha	6

OUR PREVIOUS RECRUITERS

- Deutsche Bank
- EY
- Visible Alpha
- Quantiphi
- Deloitte USI & India
- Just Dial
- Seclore
- LTI
- TCS
- Accenture
- Media.net
- Zycus
- SaffronStays
- Worley(Jacobs)
- Swan
- C2LBIZ
- Reliance Retail
- Infosys
- Endurance
- Quosphere
- Transasia
- Crimson Interactive
- Decimal Point Analytics
- Iksula Services Pvt Ltd.
- Tecnimont
- Ganit Business Solutions
- Mastek
- Object Edge
- Accolite
- Alka Lifestyle Pvt Ltd.
- BNP
- Billdesk
- Amazon
- Atidan
- Amdocs
- Cactus Communication
- Capgemini
- Carwale
- Cloudera
- Dolat Capital
- GEP
- Infosys
- JARO
- LogiQids
- MAQ
- Netmagic Solutions
- Quicksell
- Rave Technologies
- Radio Mirchi
- Accelya Kale
- Reliance Jio
- Silverlink Technologies
- TORM
- Vistaar
- ABM Knowledgeware Ltd.
- Xoriant

EXPECTATION OF INDUSTRY FROM HIGHER EDUCATIONAL INSTITUTES

We undertake to provide supply chain of human capital to align with industry expectation jotted down as under Different economy demands and requires graduates with different attributes

a. Self learning and capacity to remain focused for a set target

b. Emotional and intellectual integrity

c. Capacity to be a leader or as a follower in a group working to further the cause of enterprises

d. Spiritual quotient, multiprocessing abilities, commitment to organizational growth

e. Frugal engineering

f. Capacity to work the system, loyalty, ICT savvy

g. Work culture, proficiency in sales, marketing acumen, understanding of digital technology, social media

h. Capacity to eliminate waste (non value adding activities) Industry also expect following other than training and education of human capital

1. Sensitizing the society about the nation building process and virtues of higher education

2. Supply chain of human capital for various industries

3. Modifying the collective consciousness the society at large

4. Channelizing the youthful energy/ juvenile impatience to do something spectacular

5. Institutes are expected to create incubation centers and encourage startups.

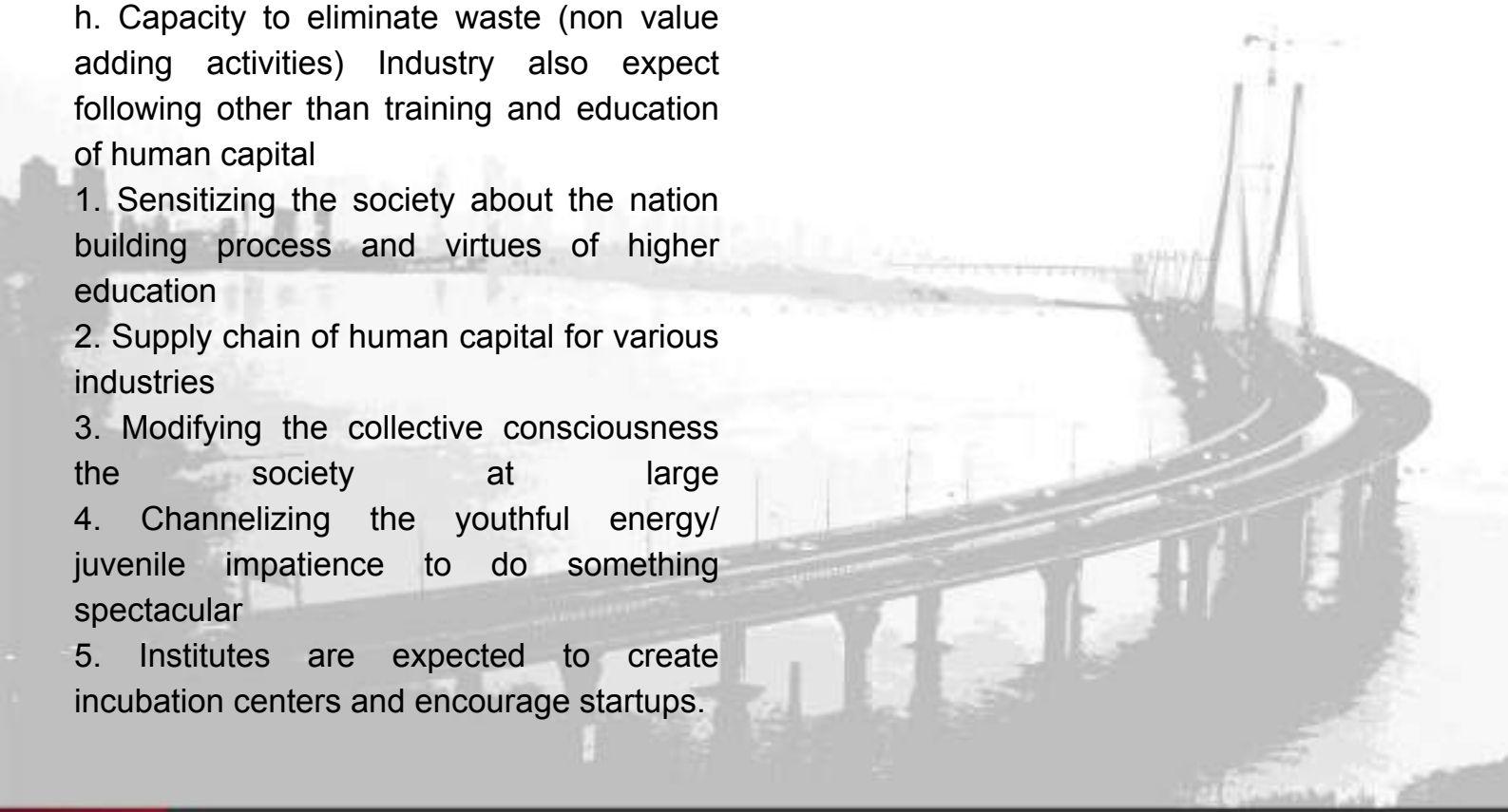
6. Set dialogue with government and regulatory authority to formulate educational policies to build efficiencies in educational institutes

7. Foresee and predict new breakthrough technologies and predict life cycles of product and processes

8. Carry out actionable and low cost research which can results in product and processes innovation

9. Create a low cost work force which also can offer quality arbitrage

10. Design a supply chain of undergraduates to work as interns to reduce the cost of production or service of offer cost arbitrage to global marketplace.



TSEC ALUMNI ASSOCIATION

An organization's alumni are a reflection of its past, a representation of its present and a link to its future. Creating an engaged, supportive alum network is crucial to an institution's success. Earlier, alumni and their alma mater were treated as distinct entities. Local alumni chapters were formed as a means to interact with fellow graduates. These associations seldom had any interaction with their alma mater. We at Thadomal Shahani Engineering College are fortunate to have forged a strong bond with our alumni. The TSEC Alumni association was formed in 1994; and since its inception, it has had constant interaction with the alma mater. The aim of the association is to encourage, foster and promote a solid association among TSEC and its alums.

To facilitate greater interaction with our alumni, a TSEC Alumni App and a portal has been developed by the Univibe network. This portal is an active platform for us, at TSEC, to stay connected with our alumni. This portal not only helps in building a brand, but also helps to procure up-to-date information about the alumni members and college activities. It also provides a forum for the alumni to exchange ideas on academic, cultural and social issues of the day.
To enhance our bond with our alumni, we organized an alumni meet in March 2018 and again in January 2020. Both the events saw an overwhelming response from our graduates as well as our teachers.

We at TSEC are committed to building a long lasting relationship with our alumni by giving them a platform to stay in touch; and continue to learn from each other long after they have graduated from our beloved institution.

ALUMNI SPEAKS

Vinay Israni
Information Technology (2007)

TSEC is not a college, it's an institution. It was never a regular college where you will sit in classes and mug-up to pass exams, it gives you an opportunity through it's technical society's & association's to implement in real life. The social interactions give you emotional maturity, which is required in corporate life. All this has helped me scale heights in my professional career.

Rajeev Butani
Electronics & Telecommunication (1993)

Rajeev is based in the Bay area and is the Chief Executive Officer at Headspin. Prior to Headspin, he was a Senior Managing Director and Group Technology Officer for Accenture Communications Media and Technology Business. He was responsible for the group's technology strategy, partnerships and emerging technology adoption. He led Accenture's Software and Platforms P&L portfolio in the Silicon Valley and built the company's largest accounts from ground up. He was also the founding team member for Accenture's Advanced Technology Centers. Rajeev is a privileged alumnus of TSEC and is grateful for the learning imparted by the college during his formative years at the institution.

Kiren Tanna
Information Technology (1999)

The 4 years I spent at TSEC for my BE in Information Technology were among the most important foundational for my career. Was benefiting from excellent setup, faculty and always being at the forefront of new pedagogy. Equally important was the amazing network of friends I built that I am still in touch with both professionally and personally. I can say with full confidence that TSEC has been instrumental in moulding the person that I am today.

Lavesh D. Manuja
Computer Engineering (2014)

TSEC is one of the best college in Mumbai University with better career opportunities and improving placements year by year. TSECite not only grows technically but also socially and culturally owing to the activities conducted by various committees. This institution has always supported their students for doing something good. Some of the faculty members are a blessing for Students.

Sudhir Shenoy
Chemical Engineering (1994)

An early start to life, can make all the difference to one's career. With TSEC, I have received the right foundational knowledge in engineering which enabled me to navigate tricky application over the years. The college has helped me develop a network and camaraderie whose counsel I trust and rely upon. I also truly believe that my time with TSEC, guided my self-trust and intuition, and gave me the right platform to develop leadership.

Pratik Bhagat
Chemical Engineering (1994)

SEC Chemical Engineering Department has a major role in building my career profile in EPC sector. In 2011, I started my career as GET in Aker Solutions through successful campus placement. While surrounded in Aker by the graduates from esteemed universities, I was initially worried for my technical capabilities but soon my professionalism and attitude became my strategies to excel. TSEC has cultivated one's leadership qualities by creating a platform for various societies. I was an active student member of IIChE during college days and today the youngest honorary regional secretary of IIChE Mumbai. Chemical Engineering Department is popular for organizing Chemergence, which promotes student to present their ideas and case studies.

Girish Purswani
Information Technology (2013)

Thadomal has been one place that has truly played a major part in shaping the person I am today. The vast exposure it gave me to technical learning as well as extra curricular activities has developed me into this all round professional I am! The teachers in the IT Department of TSEC (as it's popularly called) have been my mentors even beyond just regular college work and I am still in touch with quite a few of them. I am truly grateful for the opportunities given to me by the college and I am super proud to have begun my professional journey from here.

Mahesh Nair
Computer Engineering (2010)

Having completed my B.E in Computer Engineering from TSEC, I can assert that this institution prepares its students for a competitive corporate world. I feel lucky to have had the opportunity to learn under the guidance of some of the finest professors one can ask for and be a part of group studies with my classmates who have been some of the smartest people in the room. Specific courses that have shaped my career, personality and outlook towards team setting include - B.E Final year Project where you work in a team setting for a year, Operating Systems, Communication Skills, Distributed Systems, Computer Programming, Data Structures and Algorithms etc. TSEC gives its students plethora of opportunities to work on extra curricular activities - CSI, NSS, IEEE, ISTE etc. and these committees help you learn collaboration, ownership and leadership skills.Lastly, cheers to #TSEC #ComputersScienceDepartment #Friendship #Mentorship.

Chandni Gidwani
Information Technology (2017)

TSEC gives you a gateway to opportunities you didn't realize you had the culture and people at TSEC aid shape your future each and everyday.When you graduate from TSEC you leave with more than just a degree , you leave with moments that solidify your path in life , multitude of transferable skills, a solid network and last but not the least an experience that will remain with you for a lifetime.

EXCELLENCE OF RESEARCH

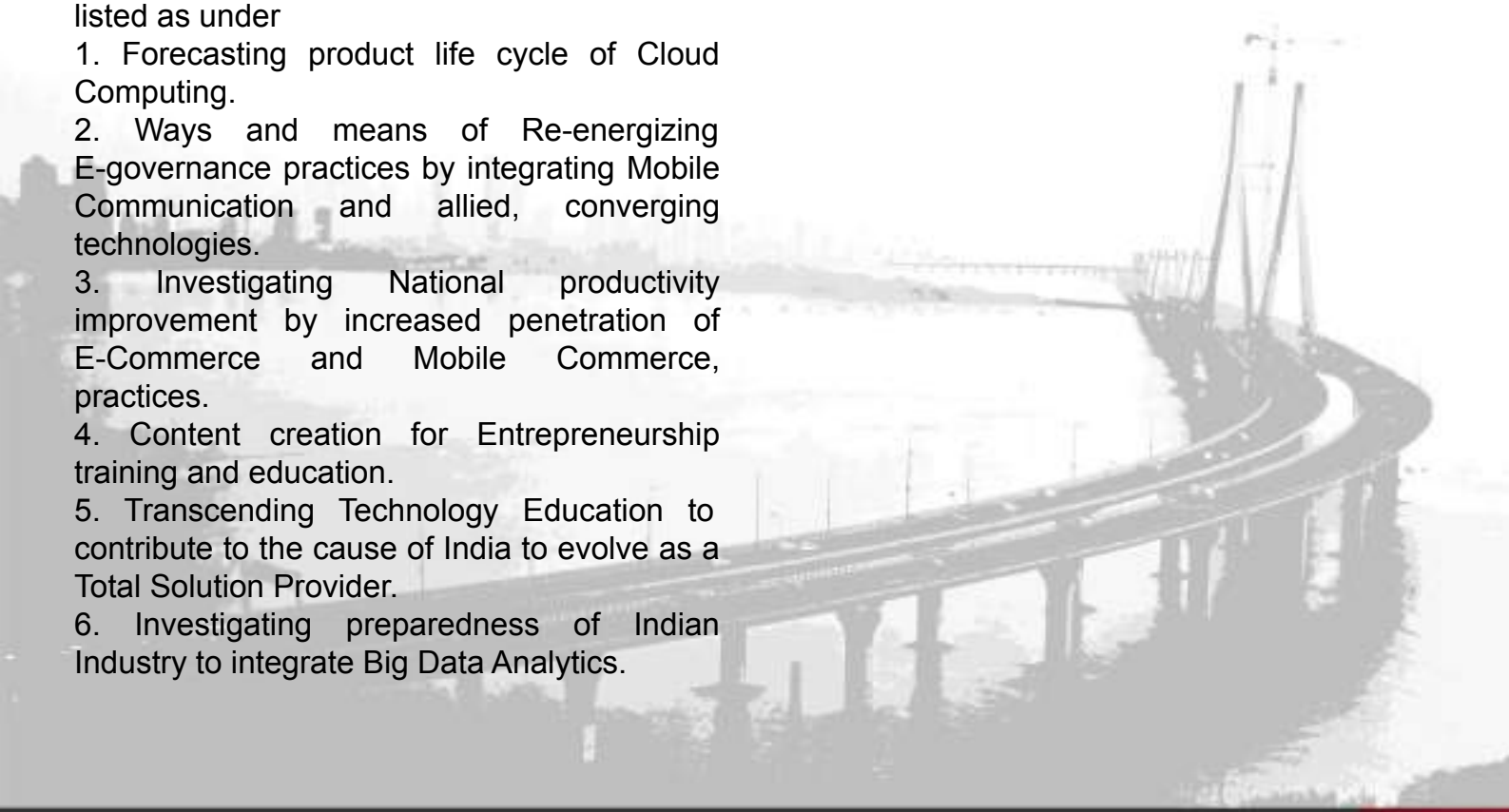
Aspiration to go up in the academic value chain provoked us to leverage the dormant academic research abilities to play a creative role in starting the PhD program in our institute.

PhD program in Information Technology was started in the institute during the academic year 2012-13 with an intake capacity of 10 students which has been further increased to 20. Institute has also started PhD programs in Electronics and Telecommunication and Computer Engineering from academic year 2015 -16.

The institute's mission, in establishing research program is iconoclastic in approach and demonstrating the much hyped world of academic research in India that go beyond the paradigm of adding to the body of knowledge. Core competence of Dr. G.T. Thampi is in offering research problems of real time Techno-commercial-management domains and the same gets exemplified and listed as under

1. Forecasting product life cycle of Cloud Computing.
2. Ways and means of Re-energizing E-governance practices by integrating Mobile Communication and allied, converging technologies.
3. Investigating National productivity improvement by increased penetration of E-Commerce and Mobile Commerce, practices.
4. Content creation for Entrepreneurship training and education.
5. Transcending Technology Education to contribute to the cause of India to evolve as a Total Solution Provider.
6. Investigating preparedness of Indian Industry to integrate Big Data Analytics.
7. Building efficiency in enterprises by leveraging Big Data Analytics.
8. Mass customization in Automation industry using ICT. 9. Restructuring of enterprises to integrate Internet of things for offering cost arbitrage and quality arbitrage.
10. Image processing for agricultural / healthcare applications.

Many faculties have filed various patents in different domains.



SCHOLARSHIPS

The data for Scholarships for the year 2020-2021 is:

NAME OF SCHOLARSHIP	NO. OF STUDENTS APPLIED	TOTAL AMOUNT
Rajarshi Chhatrapati Shahu Maharaj (EBC-State Govt.)	321	2,12,62,700
Dr. Panjabrao Deshmukh Hostel Maintenance Allowance	20	2,20,000
Social Welfare Office, Reserved Category (SC/ST/OBC/SBC/VJNT)	67	61,85,632
Blue Star Foundation	09	5,82,957
State Government Minority (SGS)	60	15,00,000
Merit-cum-means Scholarship (Central Govt.)	02	20,000
Shree Nanikram Gulab Singh Scholarship	01	15,000
Brigadier Gulab H Chabtani Scholarship	03	55,000
Brigadier Chablani Scholarship	02	24,000

CONTINUING EDUCATION PROGRAM

CONTINUING EDUCATION PROGRAM, LIFELONG LEARNING, UNLEARNING, RELEARNING PROCESS

We take proactive measures to organize training programs for faculties to update with the new development in different technology sectors and facilitate them to develop proficiencies in newly introduced courses. As a holistic strategy to practice Lifelong Learning, unlearning, relearning processes, we sponsor faculties to participate in short term courses, seminars, conferences and workshops getting organized in other institutions Teachers have been publishing technical books on the subjects of Industrial Automation, Cloud Computing, E-Governance, Entrepreneurship, E-Commerce, Mobile Computing, Optical Fiber Communication, Digital Communication, Microcomputer System Design, Applied Chemistry, Object Oriented Programming, Material Science, Communication Engineering, Signal processing, Control Systems, and so on. Collective contribution of the faculty in the realm of research and investigation to further the cause of society at large and for the Industrial progress of India is sizeable and count more than 500 publications.

Core Competencies

Instructional content based on cognitive load theories and epistemological consistencies

- Leveraging visual learning to maximize the efficacy of learning process
- Student centered institutional structure and process layout
- System in place for continuous value addition
- Processes which help students unleash their potential
- World class laboratories for experimental investigation
- Contemporary pedagogical practices in teaching learning processes
- Evolving competency in addressing different learning abilities and styles
- Customized learning content for heterogeneous learners. The strength of our department is well equipped laboratories and sophisticated biomedical equipment

Other Competencies & Value Propositions

- Wi-fi and Leased line of 15 Mbps Internet enabled campus
- Canteen facility for hygienic and cost effective food
- Spacious student lounge and libraries
- Courteous and caring auxiliary staff
- Neighborhood medical facility
- High degree of parental facilitation, continual information about wards performance, sensitization of their performance index.

The Key Differentiator

- Treating and training students as evolving human capital
- Helping them to realize their potential
- Facilitating and modifying different learning styles and learning disabilities
- Perpetuating the effort to create and augment customized course content to help unleash the potential of different learners
- Our everyday discourse also focuses on creating and facilitating Game changers
- We are productively researching on the ways and means of transcending technology education to help the
- Nation Evolve as Total Solution provider to thrive in a carbon efficient world order
- Facilitating them to manage their emotions to thrive in their professional life
- Indian values driven institutional culture energizing from ancient Indus valley civilization.

Holistic Personal Development for Global Marketplace

- Well laid out schema and curricula for all round personality development focusing on emotional integrity rooted on sound ethical practices
- Promotion of Extracurricular activities to appreciate collaborative effort and group dynamics. Sensitizing learners about the importance of Nation Building and value/ wealth creation for the mankind at large
- Initiating them to product and process innovation leveraging converging technologies to remain competitive in the global marketplace.

TSEC's Journey of Institutional Social Responsibility

Thadomal Shahani Engineering College has always been involved in Institutional Social Responsibility (ISR) activities that take into account not only the students and staff but also the society around the college premise and the community at large.

TSEC has a legacy of being one of the most proactive institutions involved in community service and is very popular among the youth for its extracurricular activities that create exciting opportunities for utilisation of young minds and energies positively and effectively. TSEC has an impressive list of affiliations like NSS, UBA, Rotary club, and many more.

TSEC is the first engineering college under University of Mumbai (UoM) to be part of the 'National Service Scheme (NSS)' conducted by the Ministry of Youth Affairs and Sports, Government of India (GOI) in the year 1998 and had also won 'Best NSS Unit' award in the year 2000.

TSEC is also the first college under UoM which got registered in 'Unnat Bharat Abhiyan (UBA 2.0)' initiative sponsored by Ministry of Human Resource Development (MHRD), GOI. UBA has a vision of technical intervention in the rural development for the transformational, inclusive and overall growth of India, as 70% of the population hails from rural areas but contributes merely 17% in its GDP.

This year TSEC has been conferred with the 'Perennial Funding Award' under UBA after getting selected from among 78 best performing institutes from over 2600 participating institutes across India, including premium institutes like IITs, NITs and IIMs. TSEC is the only institute to bag this prestigious award under the banner of UoM.

TSEC's students and teacher coordinators are involved in various ISR activities like Blood Donation Drives, Joy of Giving, International Day of Yog, Disaster Relief Awareness and Street plays. Localised environmental activities like tree plantation, beach cleaning drive and nature hikes are also done frequently. Heart Marshal Training with Holy Family hospital, visits to orphanages and old age homes are conducted on at regular intervals. Additionally, lectures by experts in the field of environment, health and education are also featured throughout the academic year.

To top it all, TSEC's students and teachers are heavily invested in social interventions in selected, remote Adivasi villages of Neral at the foothills of Matheran. A lot of work has been put into watershed management and building check dams to solve the issue of water scarcity in these areas. 'Gyandaan' for the ZP school children, personal hygiene for women, health checkup camp, natural farming and 'Gramotsav' festival including sports competition and cultural programs are some of the major highlights. Projects in the pipeline for Neral include Eco-tourism development, naturopathy centre, ancient & modern sports training to ZP school children and local employment generation through various skill training programs; artisan development and women empowerment.TSEC's ISR activities inculcate morale and social values amongst the students and develop their overall personality through exposure to real life situations and community problems. It

has been pointed out often by reputed, global corporates and software companies that TSEC's students involved in ISR activities radiate tremendous level of confidence and real-time problem solving skills as they have been involved in 'leading from the front'. This has resulted in very high placement rates for TSECites in most well-reputed companies.

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All India Council For Technical Education.

New Delhi,
Notification
Dated: 01-07-2009

Sub: Prevention and prohibition of Ragging in technical Institutions, Universities including deemed to be Universities imparting technical education.

F.No.37-3/Legal/AICTE/2009 - In exercise of the powers conferred under Section 23 read with Section 10 (b), (g), (p) and (q) of AICTE Act. 1987, the All India Council for Technical Education, hereby makes the following Regulations:-

These Regulations may be called the All India Council for Technical Education (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009.
They shall come into force on the date of the notification.

In view of the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009 to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the All India Council for Technical Education,(AICTE) brings forth these Regulations.

1. Definition

"Act" means the All India Council for Technical Education Act 1987 (52 of 1987); "Technical Institution" means an institution of Government, Government Aided and Private (self-financing) conducting the courses/programs in the field of technical education, training and research in Engineering, Technology including MCA, Architecture, Town Planning, Management, Pharmacy, Hotel Management & Catering Technology, Applied Arts & Crafts and such other programs and areas as notified by the Council from time to time;
'University" means a University defined under clause (f) of section 2 of the University Grants Commission Act, 1956 and includes an institution deemed to be a University under section 3 of that Act.
"Academic year" means the period from the commencement of admission of students in any course of study in the institution up to the completion of academic requirements for that particular year.
"Head of the institution" means the Vice-Chancellor in case of a university or a deemed to be university, the Principal or the Director or such other designation as the executive head of the institution or the college is referred.
"Fresher" means a student who has been admitted to an institution and who is undergoing his/her first year of study in such Institution.
Words and expressions used and not defined herein but defined in the Act or in the General Clauses Act, 1887, shall have the meanings respectively assigned to them in the Act or in the General Clauses Act, 1887, as the case may be.

All other words and expressions used herein and not defined but defined in the All India Council for Technical Education Act, 1987 (52 of 1987), shall have the meanings respectively assigned to them in the said Act

2. What constitutes Ragging

Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;

Indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;

Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;

Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.

Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students; any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

Any act or abuse by spoken words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;

Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

3. Measures for prevention of Ragging

It shall he mandatory for every technical Institution, University, deemed to be University imparting technical education to take following measures for prevention of ragging at such institutions.

i. The advertisement issued for admission by a technical institution, University including Deemed to be University concerned and/or the admission authority/ affiliating University/State Govt./UT/Central Govt. as the case may he, shall clearly mention that ragging is totally banned and anyone found guilty of ragging and/or abetting ragging is liable to be punished.

ii. The 'Prospectus' and other admission related documents shall contain directions of the Supreme Court Affiliating University/admission Authority/State Govt./Central Govt. shall make it mandatory for the institutions under their Jurisdiction to compulsorily incorporate such information in their 'Prospectus'. These Regulations shall be printed in the brochure of admission/instruction booklet for candidates.

iii. The application form for admission/enrolment shall have a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages. The affidavit should he filled up and signed by the candidate to the effect that he/she is aware of the law regarding prohibition of ragging as well as the punishments, and that he/she, if found guilty of the offence of ragging and/or abetting ragging, is liable to be punished appropriately.

iv. The application form shall also contain a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages and the affidavit should be signed by the parent/guardian of the applicant to the effect that he/she is also aware of the law in this regard and agrees to abide by the punishment meted out to his/her ward in case the latter is found guilty of ragging and/or abetting ragging.

v. The application for admission shall be accompanied by a document along with the School Leaving Certificate/Character Certificate which shall include a report on the behavioural pattern of the applicant, so that the institution can thereafter keep intense watch upon the student who has a negative entry in this regard.

vi. A student seeking admission to the hostel shall have to submit another affidavit along with his/her application for hostel accommodation that he/she is also aware of the law in this regard and agrees to abide by the punishments meted out if he/she is found guilty of ragging and/or abetting ragging.

vii. Every technical institution, University including Deemed to be University imparting technical education shall maintain a proper record of the affidavits obtained to ensure its safe up keep thereof, including digital copies of the affidavits and such digital copy should be made available to the AICTE or to an Agency identified/nominated by AICTE.

viii. The AICTE or an Agency identified/nominated for the purpose and affiliating Universities and Directorate of Technical Education of the concerned State Govt./UT shall maintain an appropriate data base of the affidavits in the digital form obtained from every student at the time of admission to the technical institutions. Universities including Deemed to be Universities imparting technical education.

ix. Each batch of freshers should be divided into small groups and each such group shall be assigned to a member of staff. Such staff member should interact individually with each member of the group on daily basis to ascertain the problems/difficulties, If any faced by the freshers in the Institution and extend necessary help.

x. In case of freshers admitted to a Hostel it shall be the responsibility of the teacher in charge of the group to coordinate with the warden of the Hostel and to make surprise visits to the rooms in the hostel where the members of the group are lodged. Freshers should be lodged in a separate hostel block wherever possible and where such facilities are not available, the college/institution shall ensure that seniors' access to fresher's accommodation Is strictly monitored by wardens, Security Guards and Staff.

xi. Every institution should engage or seek the assistance of professional counselors at the time of admissions to counsel 'fresher' in order to prepare them for the life ahead, particularly for adjusting to the life in hostels. At the commencement of the academic session, the Head of the technical Institution, University including Deemed to be University imparting technical education shall convene and address a meeting of various functionaries/agencies, like Wardens, representatives of students, parents/guardians, faculty, district administration including police, to discuss the measures to be taken to prevent ragging and steps to be taken to identify the offenders and punish them suitably.

Annexure – I

Format for Cancellation of Admission by the student

Date: / /20

To,
The Principal,
Thadomal Shahani Engineering College
Bandra West - 400050.

Subject: - Application for Cancellation of Admission

Respected Sir,

With due respect, this is to bring to your kind consideration that I applied for admission at your esteemed institution. I got admitted in First Year Engineering, _____ Branch through CAP round / Institute Level admission (DTE No: _____) and subsequently submitted my original documents and admission Fee.

I request you to kindly do the needful to cancel the said admission and return my original documents and refund the admission Fees at the earliest possible.

The Bank Account Details for the refund of admission fees are hereby provided for your kind perusal.

Account Holder Name:_____

Account No._____

Name of the Bank:_____

IFSC Code:_____

Address of the Branch:_____

Thanking you,

Regards,

Signature of the Student

Name of the student:
DTE Number:
Mobile number of student:

COLLEGES MANAGED BY BOARD

- Rishi Dayaram National College of Arts & Science, Bandra(W), Mumbai - 400 050.
- Kishinchand Chellaram College of Arts and Science, Churchgate, Mumbai 400 020.
- Kishinchand Chellaram Law College, Churchgate, Mumbai 400 020.
- Hassaram Rijhumal College of Commerce and Economics, Churchgate, Mumbai 400 020.
- Smt. Mithibai Motiram Kundnani College of Commerce & Economics, Bandra (W), Mumbai 400 050.
- Smt. Chandibai Himathmal Mansukhani College of Arts, Science and Commerce, Ulhasnagar 421 003.
- Bombay Teachers' Training College, Colaba, Mumbai 400 005. Prin. K.M. Kundnani College of Pharmacy, Cuffe Parade, Mumbai 400 005.
- Gopaldas Jhamatmal Advani Law College, Bandra (W), Mumbai 400 050.
- Watumull Institute of Electronics Engineering and Computer Technology, Ulhasnagar 421 003.
- Thadomal Shahani Engineering College, Bandra (W), Mumbai 400 050.
- HSNCB's Dr. L.H. Hiranandani Pharmacy College, Ulhasnagar 421 003.
- HSNCB's H. & G. Himathmal Mansukhani Institute of Management, Ulhasnagar 421 003.
- Nari Gursahani Law College, Ulhasnagar 421 003.
- Prin. K.M. Kundnani Pharmacy Polytechnic, Ulhasnagar 421 003.
- K.C. College of Management Studies, Churchgate, Mumbai 400 020.

HSNC
WHERE IDEAS COME TO LIFE

HYDERABAD (SIND)
NATIONAL COLLEGIATE BOARD

"Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away."

- Antoine de Saint - Exupery

REACH US !!

Address :
Nari Gursahani Marg (37th Road), TPS-III,
Bandra (W), Mumbai - 400050

Email :
gtthampi@yahoo.com

Website :
www.tsec.edu,
www.tsecadmission.org

Admission Helpdesk :
tsec.admission@thadomal.org

Admission Brochure for the academic year 2019 - 20

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

HSNC

THADOMAL SHAHANI ENGINEERING COLLEGE

ADMISSION PROSPECTUS
2019-20

THADOMAL SHAHANI ENGINEERING COLLEGE

Governing Board Members

1. Mr. Kishu Mansukhani
   Chairperson of Board of Governors - President H(S)NCB
2. Mr. Anil Harish
   Educationist/Industrialist - Immediate Past President H(S)NCB
3. Dr. Niranjan Hiranandani
   Trustee Nominee - Past President H(S)NCB
4. Mrs. Maya Shahani
   Educationist
5. Mr. Lal Chellaram
   Educationist/Industrialist
6. Prin. Dinesh Panjwani
   Educationist
7. Prof. Anand Patwardhan
   Nominee of the University
8. Nominee of State Government
9. Nominee of State Government Industrialist/Technologist/ Educationist from the Region
10. Dr. Ashwini Kunte
    Professor
11. Mr. Chetan Agarwal
    Assistant Professor
12. Dr. G.T. Thampi
    Member Secretary of Board of Governers & Principal, TSEC

GENESIS

The Hyderabad (Sind) National Collegiate Board well known as HSNC Board is a charitable trust established by Sindhi Community in 1949. The HSNC Board has roots going back over 60 years. The board was managing the National College in Hyderabad (Sind) long before partition of India. In true spirit of their times the members of the Board worked to ensure the nations' integrity and honour during the National Movement of Indian Independence. After the Partition of the country in 1947, the members of Sindhi Hindu Community migrated to India. Principal K.M. Kundnani, with the vision and mission to promote participation in education, initiated the efforts for starting a college in Mumbai. With active support and encouragement from Late Barrister Hotchand G. Advani the Hyderabad (Sind) National Collegiate Board came into existence in 1949 at Mumbai. Late Barrister H.G. Advani was the Founder President and Late Principal K.M. Kundnani was the Founder Secretary and Founder Principal of the first college started by the board and known as the Rishi Dayaram National College, Bandra, Mumbai.

Since then the Board has been offering unique pre-degree study, undergraduate and post graduate degrees in a wide range of programs. It has produced professionals par excellence in the fields of Arts, Science, Commerce, Management, Education, Law, Engineering, Technology and Para-Medical.

Principal Khushiram Motiram Kundnani

Barrister Hotchand Gopaldas Advani

Padmabhushan Dr. L.H. Hiranandani

"Engineers are bound to reflect illusion of simplicity by internal-ising all the complexity involved to the outside world"

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FROM THE PRINCIPAL'S DESK

My heart goes to all the aspiring students, the graduate students and I am jotting down the following:

You are in the cusp of entering a world of infinite possibilities; your capacity to remain focus and stay, the course shall take you to a different productive orbit. The current level of higher education doesn't acknowledge the pervasive Internet and resources available with it. Going forward we are expected to bridge these gaps. We as educational and training institutes are expected to create a supply chain of intellectual capital with high degree of emotional integrity.

The very technologies that improve the lives of millions have the side effects of bringing unprecedented fragility into the system. Never before the world been so inter connected, with the consequences that a small disturbance in one place can leave vary rapidly to large effects in another or generalized cascades.

You are expected to have psychological sensitivity to succeed in the vast, hugely heterogeneous inter connected world. Participate in entrepreneurial ventures and subject yourself to training and experiment with the process of wealth creation underpinning the culture of risk taking. The internet has the greatest single disruption in the way we organize, access, process and re circulate knowledge. The idea that knowledge, could be accumulated, assimilated, stored permanently and meant accessible free of cost for the most part, at the click of button anywhere in the world, is a truly radical one. My heartfelt congratulations and best wishes go to all the aspiring and the graduate students.

Dr. G.T. Thampi
Principal, TSEC

VISION

Perpetuating and transcending the process of

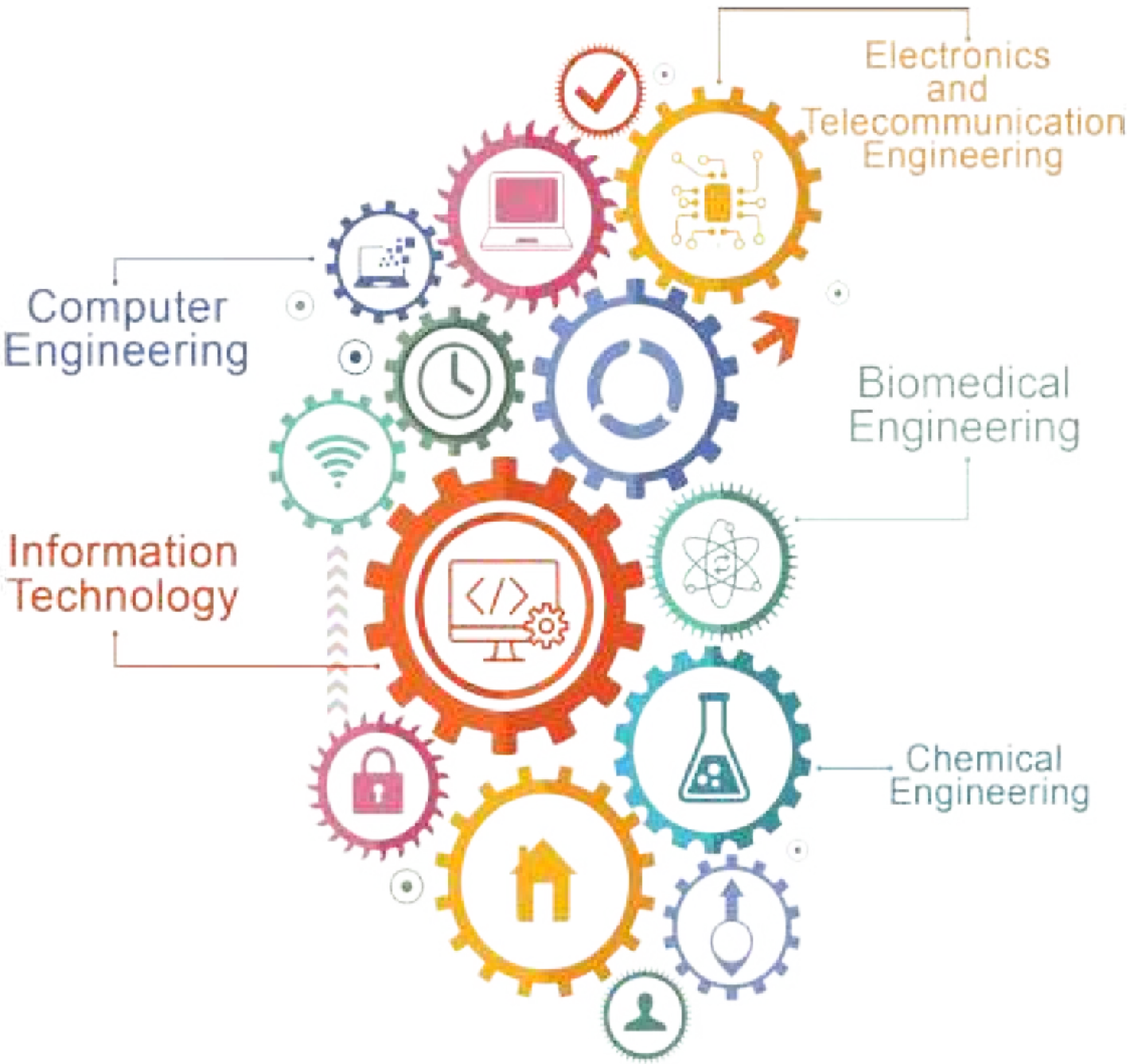
- Contributing to evolving supply chain of human capital for National Economy.
- Creating entrepreneurs and ‘game changers’ to support heightened level of economic activities underpinning ever increasing human aspiration.
- Helping the nation evolve as a total solution provider.
- Value and wealth creation for the mankind.

MISSION

Focusing and practicing

- Product and processes innovation.
- Leveraging human cognitive and behavioural science for creating instructional content.
- Pervasive and ubiquitous information Communication Technologies for customized content for learning.
- Acknowledge and facilitate various learning styles and learning abilities.
- Migrating from teaching paradigm to learning paradigm.
- Every day discourse shall inculcate research culture and further the cause of societal advancement.
- Understand various markets and cultures.
- Collaborative learning and emotional integrity.
- Sensitizing about opportunities in energy Education Environment and Health care sectors.
- Extensively promoting computer aided design, analysis and manufacturing procedures.
- Theoretical rigor to develop conceptual clarity.
- Modelling and design of experiments to include culture of investigation.
- Creating foot print on project management and collaborative human endeavour.
- Interdisciplinary studies and exposure to functional areas.

DEPARTMENTS



DEPARTMENT OF COMPUTER ENGINEERING

The Computer Engineering department of Thadomal Shahani Engineering College was established in the year 1984 and has grown over the years into a competent department with state of the art computing facilities and a dedicated faculty. The goal of the department is to establish state of the art computing environment to develop competent computer engineers imbibed with the spirit of professionalism and responsible citizenship. The department emphasizes the vision of the Thadomal Shahani Engineering College for excellence in education. Highly qualified, dedicated faculty and good infrastructure facilities make this dream realizable. Department is accredited by National Board of Accreditation (NBA) for the period 2019 to 2022.

The Department has continuously upgraded the infrastructure according to the changing needs of technological environment. The Department has a rich infrastructure with more than 300 branded machines of latest configuration. Internet browsing facility with lease-line connectivity of 12 Mbps is provided in all laboratory and faculty rooms. Good Interaction with the Industries is maintained so that the students also have better exposure to the professional environment and its needs. This also helps in bridging the gap between the academics and Industry requirements so that our students have preference in Industrial arena. In order to keep up the cutting edge technologies, department has a digital library facility with reputed International and National Journals like Science Direct etc.

The students are focused with the use of conceptual understanding of core domain areas in computing as well as enhanced programming skills disseminating their analytical abilities. Our aim is to provide our students the lifelong learning and leadership skills that enable them to grow in their professions and advance to positions of responsibility by effective Industry-Institute Interaction. The Department has an excellent placement record and the students are placed in prestigious software industries all across the globe.

Along with Degree program in Computer Engineering, Department has also started Research Program (Ph.D.) in the academic year 2014 – 2015.

Dr. Tanuja Sarode
Head of Department

https://tsec.edu/ce-about-department/

DEPARTMENT OF INFORMATION TECHNOLOGY

Department of Information Technology was established in the year 1998 with a clear view of a forerunner in the field of Information Technology. The department offers four years Bachelors Degree Program and a research centre wherein Doctoral Program is also offered. The aim of the department is to provide technical education of the highest standard. The department has always been on high growth path to keep pace with the ever increasing importance of the major discipline of study as current technology trends. At the desktop of achievements of the department, lies the award of accreditation given by the National Board of Accreditation.

The department has a blend of experienced and young faculty members who also work as mentors to the equally diligent, hardworking and intelligent students. Numerous activities are carried out from time to time over a span of year. The students and staff members are encouraged to organize and participate in different seminars, conferences, workshops and refresher courses in the fields of their own interest.

The department provides a comfortable atmosphere in invoking the students to develop them to meet real life challenges. Our students under the committee "TSEC Codestorm" organised TSEC Hackathon on "Blockchain & Social Cause" with a grand participation of over 250 students from 50 colleges across Mumbai.

The Department has seen a lot of progress in terms of the number of students being absorbed by various prestigious companies over the years. Time and again esteemed companies are recruiting our students. Our students represent TSEC at various national platforms like All India Hackathon and have won accolades. One of our student has been selected by a Japanese firm FAST RETAILING Co.,Ltd. and is offered a package of 36 lacs per annum.

Many of our alumni hold esteemed positions in many reputed companies in India and abroad. Many of our students have passed various competitive examinations like GATE, GRE, TOEFL, CAT etc with good scores and secured their admissions in premier educational Institutions in India and Universities abroad.

We give exposure of current trends in IT to our students by inviting experts from industry. Various Short Term Training Programmes are conducted for student and faculty members to give them insights about the latest trends and technologies in the industry. Beyond syllabus activities are conducted for bridging the gap between academia and IT industry.

We are developing core competency in the areas of Deep Learning, Artificial Intelligence and Block Chain Technologies. We are also in the process of developing competencies in quantum computing and allied emerging technologies. We are confident of enabling graduates to acquire aforesaid competencies & proficiency to be relevant to emerging global market place.

Collective consciousness of the department exhorts the pupil to remain focused to develop proficiency in "coding" (conversion of physical problem to logic).

Dr. Madhuri Rao
Head of Department

https://tsec.edu/it-about-department/

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Department of Electronics and Telecommunication was established in year 2002 with a clear view of a forerunner in the field of Telecommunications, the Department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized communication related fields. This Department earlier had nomenclature of Electronics Engineering from 1983 to 2001. Department is accredited by National Board of Accreditation (NBA) for the period 2019 to 2022. The Department also offers a Doctoral research program in Electronics Engineering (Ph D).

A highly qualified, experienced, dynamic and technologically updated faculty with this department, endows the professional cutting edge. The department has a good record of organizing seminars, workshops, and symposia in emerging technological areas. Department faculty and students together have published 50 papers in peer reviewed journals and also filed patents in the areas of miniaturization of antennas and Energy Harvesting.

The curriculum of the program has been designed to cater to the ever changing needs and demands of communication industry. The focus is on holistic learning and empowering students to make significant contributions at all levels. The open elective system gives a handful of choices for students to develop expertise in their area of interest such as Neural Networks, Radar engineering, Data compression and Encryption, Satellite communication and Image processing etc. Department has one of the best state-of-the-art hardware and software laboratories with special focus on telecommunication. Department faculty regularly interacts with industry experts by arranging industrial visits, guest lectures and industrial training.

Our students take up final year project in the field of embedded systems, Controls & Automations, Signal Processing, Image Processing, Antenna, Wireless Networks, Mobile Communications under the guidance of our highly qualified, experienced faculties to meet the emerging trends and challenges in the field of Electronics & Telecommunication Engineering and its allied areas on the global platform. The department also receives the grant from the University of Mumbai for the same.

Our students have shown an all round performance in technical and non-technical competitive events at state and national level. The latest example is the participation of our students in परिक्षा पे चर्चा intiative by AICTE. Department students regularly participate in coding competetios organized by corporate housess like J P Morgan Chase(JPMC),TCs, L&T infotech etc. Winners of these competitions have got highly paid jobs in these companies. Our graduates are well placed in reputed industries, academic and research organization in India and admitted for higher studies in various universities of USA, UK, Australia.

Dr. Ashwini Kunte
Head of Department

https://tsec.edu/extc-about-department/

DEPARTMENT OF CHEMICAL ENGINEERING

The journey of Chemical Engineering Department in TSEC was started right from inception of TSEC itself in 1983. Since then the department has grown by leaps and bounds and at present has well developed infrastructure which is up to the mark.

The department is now being run by a team of highly experienced Faculties including 5 doctorates and 6 Masters, almost everybody graduated from reputed institutions like IITs, ICT, LIT, who are supported by sufficient number of trained and skilled non-teaching staff. Well equipped laboratories with safety and first-aid arrangements and dedicated computer lab facility, AC classrooms with computer and projector facility, ensure suitable environment for teaching learning process.

In last 35 years, our students have brought several laureates to the department by regularly securing high ranks in university exams, winning prizes in several national and international technical events like conferences, seminars, exhibitions, project expos, quizzes, paper & poster presentations and many more. The final year students are always encouraged to carry out dissertation/project work in association with highly reputed organizations like IIT, ICT, BARC, BPCL, and many other industries. Our final year result has always remained above 95%.

We organize guest lectures in every semester which are delivered by the experts from Industries, IIT, ICT and also by our own alumni. We also organize Industrial Visits and short term training programs for faculty as well students. These kind of activities have always proved helpful to students and faculty to understand actual practical aspects in industries and current trends in the field of chemical engineering.

We have very good on campus recruitment facility through which our students are regularly being placed in top national and multinational companies; to mention a few Reliance, Technimont, Aker, GS&E, TCE, Technip FMC, Jacobs, Toyo, BASF, Ernest and Young, Zycus, Burns & McDonnell, Deloitte and besides this almost all top companies in IT sector visit our college campus to recruit chemical engineering graduates. The students of our department regularly get enrolled for 1 to 2 months internship program in number of prestigious industries like, RCF, Century Rayons, ONGC, BPCL, HPCL, Godrej, Reliance, BARC, Mahindra and Mahindra, Deepak Fertilizers, Lupin, etc.

The department do not provide only skilled and academically strong employees to industries but also produce self motivated entrepreneurs. There is a list of our Alumni who are founders and directors of many high profile industries; to mention a few, Mr. Jayesh Tekchandaney (1996), Founder and Director of Unique Mixers & Furnaces Pvt. Ltd, Mr. Kunal Sikchi (2008), Founder and Director of Matrix Fine Sciences Pvt Ltd, Mr. Rohit Shetty (2009), Founder and Director of First Step Publishing and Transdigi, Mr. Sohail Gupta (2010), Director of Sureflo Techcon Pvt Ltd, Miss. Lekha Nirmal (2016), Director of P-Mech Consultant Pvt Ltd and the list goes on.

Every year our students are getting admitted for higher studies such as MS and PhD in many reputed Foreign Universities like Imperial College London- UK , Delft University of Technology-Netherlands, University of Illinois at Urbana-Champaign, Cornell University, Michigan State University, Penn State University, The Ohio State University, University of Rochester, University of Pittsburgh, University of Alberta, University of Houston, University of British Columbia, North-Eastern University, Carnegie Mellon University-United States, etc.

Dr. Anita Kumari
Head of Department

https://tsec.edu/chem-about-department/

DEPARTMENT OF BIOMEDICAL ENGINEERING

The Department of Biomedical Engineering at TSEC was established in 1983 under the University of Mumbai and is reaccredited by NBA for period of three years i.e. 2019-2022. The Department aims to impart not only fine technical knowledge but also social education to mould students to become well rounded citizens, thus producing high quality, distinguished engineers and successful practitioners of Biomedical Engineering.

Biomedical Engineering course focuses on the basics of electronics, communication technology, control systems, microcontrollers, image and signal processing and programming languages to design and develop medical devices and their software. The students also gain the understanding of advanced technologies like Embedded Systems, VLSI, Nanotechnology, Robotics in Medicine, Implants, Prosthetics and many more. Biomedical engineers are involved in developing equipments such as CT, MRI, dialysis unit, ventilator, endoscopes, pacemakers, defibrillators, Ultrasound machine, Multi-parameter monitors etc.

The department has a team of very enthusiastic and competent faculty who take up the ownership of motivating the students and work hard for the development of student personality, initiative and creativity. The faculty is highly qualified and is carrying out research activities in upcoming fields of Biomedical Engineering. They have presented research papers in international and national conferences, delivered guest lectures and organized national seminars and workshops. They also participate in advanced training and development activities to keep abreast of the latest developments in their specific subjects. Under their guidance students have not only participated in international conferences all over the world but also have written technical papers in reputed journals.

The strength of our department is well equipped laboratories and sophisticated biomedical equipments, demonstration equipments, trainer kits which help in simplifying the basic working and design principles. The department has also received AICTE -MODROB grant and University Grants for modernization of the laboratory and for implementation of state-of-art projects respectively. Recently, the department has received 1.5L grant for carrying out projects in the area of deep learning and artificial intelligence.

The department's long-standing and active collaboration with various reputed hospitals like Lilavati, Hinduja, Kokilaben Dhirubhai Ambani, Jupiter, KEM, Nanavati, Kohinoor, etc., institutes like IIT-Bombay, BARC, TIFR and companies like Tata-Elxsi, Philips Medical, Siemens Healthineers, GE healthcare, Yogi Kripa Medi Chem Pvt Ltd., Imaginarium, etc. have enabled students to obtain internships and carry out innovative projects and secure promising careers. Eminent resource persons from these institutions are regularly invited to the department for delivering seminar talks and conducting workshops on current topics. Recently, third year students had an educational visit to the Rehabilitation department of DEEENANATH MANGHESKAR HOSPITAL, PUNE and All India Institute of Physical Medicine and Rehabilitation, Mumbai to understand the concepts by observing procedures and real case studies.

Many of our students pursue higher education in India and abroad. The alumni hold esteemed positions in reputed companies, hospitals and research organizations in India and abroad. With the futuristic vision of the requirements of Healthcare industry, some of them have become successful entrepreneurs thereby contributing to the biomedical domain in India. Our students are absorbed in major companies like Siemens Healthineers, Johnson and Johnson Medical, Philips Medical Systems, GE Healthcare, Medtronic, Getinge, Draeger Medical India, Maquet, Transasia Biomedicals Ltd., Tata Elxsi, Maestros, etc.

Dr. Mita Bhowmick
Head of Department

https://tsec.edu/bio-about-department/

ALUMNI SPEAKS

Pratik Bhagat

Senior Process Engineer GS Engineering & Construction

TSEC Chemical Engineering Department has a major role in building my career profile in EPC sector. In 2011, I started my career as GET in Aker Solutions through successful campus placement. TSEC has cultivated leadership qualities by creating a platform through various societies. I was an active student member of IIChE during college days and today the youngest honorary regional secretary of IIChE Mumbai. Chemical Engineering Department is popular for organizing Chemergence, which promotes student to present their ideas and case studies.

Lekha Nirmal

Executive Director, P-Mech Consultant Pvt. Ltd.

A Chemical Engineer from Thadomal Shahani Engineering College batch of 2016, Mumbai, India with an Entrepreneurial aptitude. "The learnings at TSEC, the very knowledgeable and experienced faculty who go out of way to support students and train them, the alumni network and everything the college offered has greatly contributed to my growth." She is currently also pursuing her Executive Education from IIM Bangalore on full scholarship.

Vinayak Deshpande

Business Head, Maestros Electronics & Telecommunications Systems Ltd

As a Business Head, Vinayak's role is of Techno-commercial nature from product life-cycle management to client management. Envisioning the product, using multi-domain experience in software, embedded, electronics, communication networks, and healthcare add value to client needs and deliver solutions that help them grow.With a biomedical and computers background he conceptualized and developed state of art online ECG emergency monitoring system capable of responding within 5 minutes from taking the ECG. This solution bagged the prestigious Frost & Sullivan best mobile product in Healthcare for the year 2011.

Rohan Patil

IES Officer – Government of India

It's EXTC program of TSEC because of which a student with percentage of 65.64 is able to become a class-A gazette officer through Indian Engineering services Examination - a highly prestigious exam for an engineer conducted by UPSC. Today, whatever I am is only because of TSEC as it has given me a chance to sharpen my skills in my field of choice. Lot of times I participated in many college committee events which helped me to improve my Techno mane serial skills because of which I got selected in college placements and these skills will be very useful for my entire life.My entire department including teachers as well as lab assistants helped my team in the last year project, which got published in the Inter National journal. It helped me a lot in UPSC, ISRO and BARC interviews. Thank you TSEC for always being with me and helping me a lot to serve my country.

Shirish Dhar

Senior Data Scientist Boston Consulting Group

Shirish Dhar a 2015 batch Electronics & Telecommunications graduate from TSEC. At TSEC, Shirish held the position of Sports Secretary. Earning a master's degree in Information Management & Systems from the University of California, Berkeley, Shirish is now working as a Senior Data Science Consultant at The Boston Consulting Group in San Francisco. He says, "The sheer diversity of platforms TSEC will provide you to succeed on - excelling in academics, participating in debates, building products in technical competitions, organizing large-scale events - highlights this institution's motivation to not just produce academically brilliant students, but students who are able to take on a variety of challenges in life and succeed. This culture is intrinsic to the people of TSEC, including the teachers, who go beyond the teacher - student dynamics and are truly invested in the long-term success of their students, during and after we have left the protected walls of the college. I hope it continues to push the boundaries on providing a college experience that is truly holistic in nature."

Ajit S. Bopardikar

Sr. Chief Engineer Samsung R&D Institute-Bangalore

I graduated from TSEC with a B. E in Electronics Engineering in 1991. I went on to obtain my M. Sc. (Research) in Electrical Communication Engineering from the Indian Institute of Science, Bangalore in 1995 and my Ph.D. from Center for Imaging Science, Rochester Institute of Technology in 2000. I currently work in Samsung R&D Institute India-Bangalore where I research on biomedical devices and handle University research collaborations. My research resulted in some of the early work in Genomic data compression and compressed domain processing. My journey as a researcher started at TSEC where I honed my signal processing fundamentals spending time in the library, sifting through its extensive collection of books and periodicals. My instructors served as my guides, encouraging me as I sought to find answers to my questions. TSEC was also where I had my first taste as an instructor when I taught classes on Electronic Circuits during my final year of engineering. I carry with me warm memories of TSEC and look forward to its growth as a premier Engineering College in Mumbai and India.

Sanket Purandare

Microsoft Research

Sanket Purandare has graduated in 2016 as a student of Computer Engineering Department. He is currently employed in Microsoft Research. He was working as a Research Associate at IISc, Bangalore after completing his MTech. He is going to join Harvard University in Fall 2019 with Prof. Startos Idreos in Data Systems Lab.

Nikhil Nawathe

Manager, Research at Facebook

Nikhil, a graduate of 2009 from Information Technology Department of TSEC of works as a Manager, Research st Facebook. After graduating from TSEC he got the opportunity to pursue masters from Cornell University.

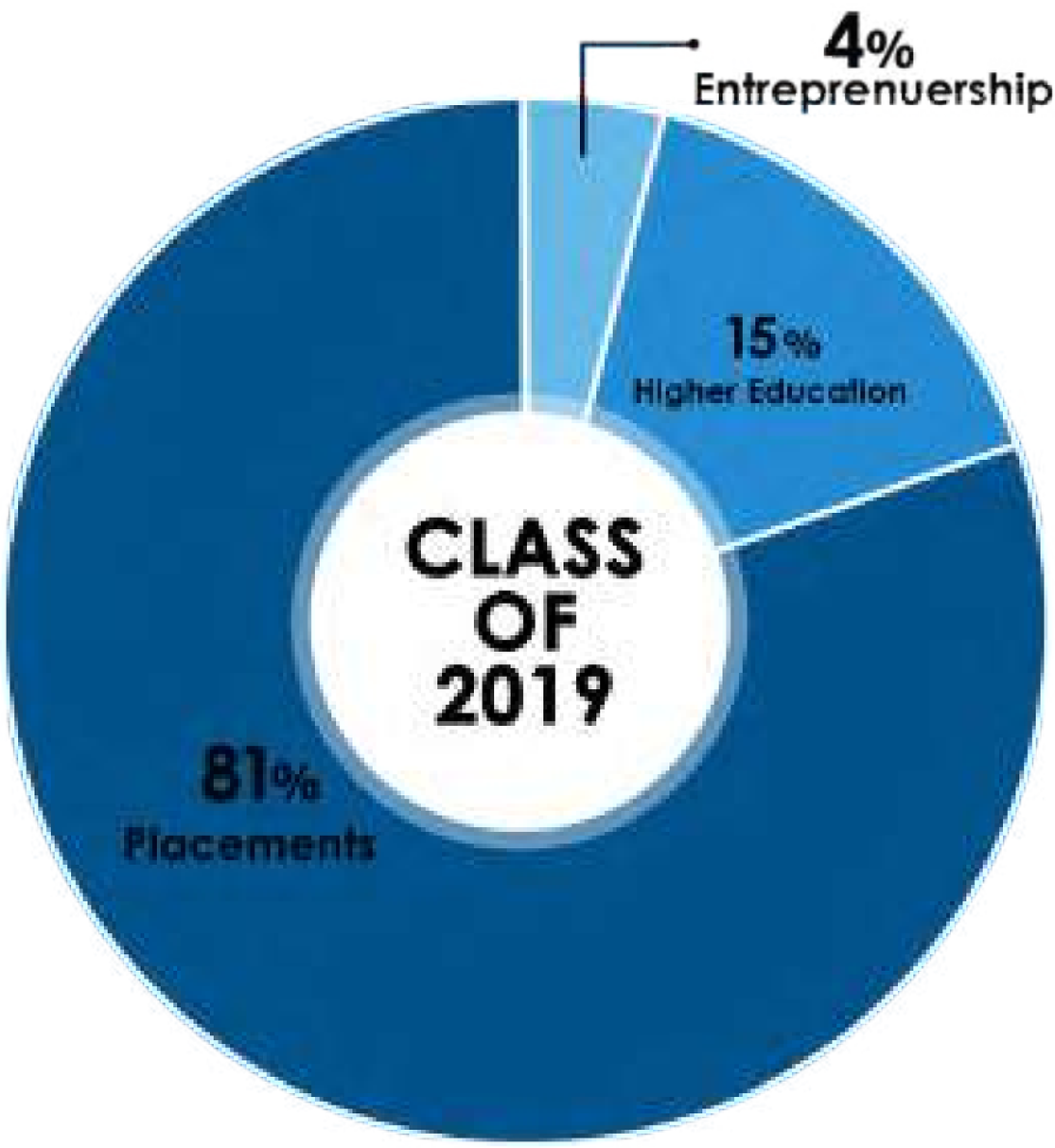
Prachi Darshetkar

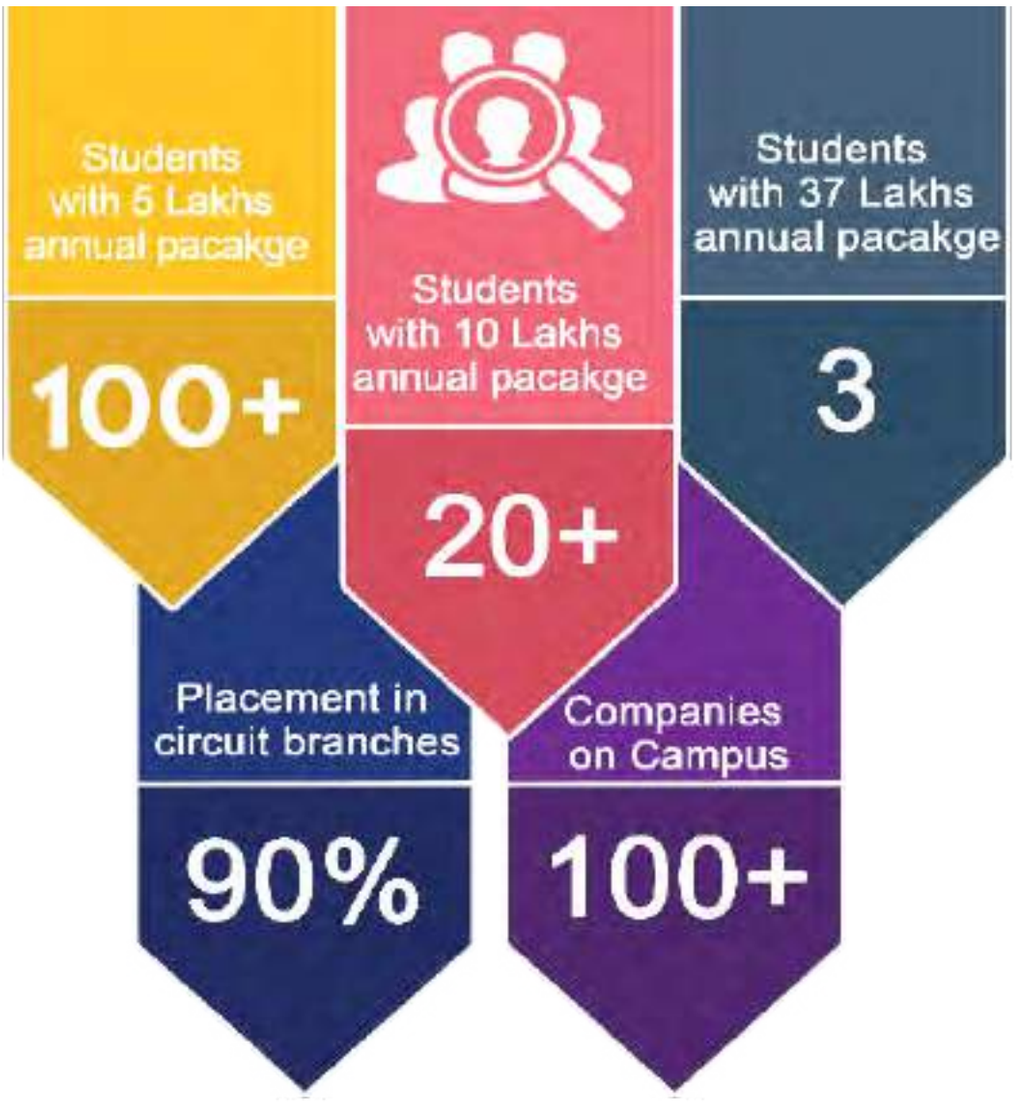
Chief Manager - Clinical Engg. Dept Kokilaben Ambani Hospital

Prachi is Biomedical Engineer from TSEC. She manages the Biomedical Engineering department in Kokilaben Ambani Hospital having more than 3500 Medical Equipments of Latest Technology. She also has the responsibility of management of Gas Plant room, Liquid oxygen tank & medical gases.

PLACEMENT AND INTERNSHIP

TSEC enjoys high credentials amongst the top business enterprises seeking intellectual capital with high level of productivity and work culture. We succeeded in perpetuating placement/admission to post graduate programmes in Engineering/Management in highly reputed National and International institutions.





TSEC provides opportunities for Pre-Placement training, Summer Internships and Higher Studies in Post Graduation Programmes.

To increase the internship facilities, MoUs have been signed with many industries during this year. More than 100 students from various branches have completed their industrial internships.

OUR RECRUITERS

EXPECTATION OF INDUSTRY FROM HIGHER EDUCATIONAL INSTITUTES

We undertake to provide supply chain of human capital to align with industry expectation jotted down as under-

Different economy demands and requires graduates with different attributes-

a. Self learning and capacity to remain focused for a set target
b. Emotional and intellectual integrity
c. Capacity to be a leader or as a follower in a group working to further the cause of enterprises
d. Spiritual quotient, multiprocessing abilities, commitment to organizational growth
e. Frugal engineering
f. Capacity to work the system, loyalty, ICT savvy
g. Work culture, proficiency in sales, marketing acumen, understanding of digital technology, social media
h. Capacity to eliminate waste (non value adding activities)

Industry also expect following other than training and education of human capital

1. Sensitizing the society about the nation building process and virtues of higher education
2. Supply chain of human capital for various industries
3. Modifying the collective consciousness the society at large
4. Channelizing the youthful energy/ juvenile impatience to do something spectacular
5. Institutes are expected to create incubation centers and encourage startups.
6. Set dialogue with government and regulatory authority to formulate educational policies to build efficiencies in educational institutes
7. Foresee and predict new breakthrough technologies and predict life cycles of product and processes
8. Carry out actionable and low cost research which can results in product and processes innovation
9. Create a low cost work force which also can offer quality arbitrage
10. Design a supply chain of undergraduates to work as interns to reduce the cost of production or service of offer cost arbitrage to global market place

EPITOME OF RESEARCH

Aspiration to go up in the academic value chain provoked us to leverage the dormant academic research abilities to play a creative role in starting the PhD program in our institute. PhD program in Information Technology was started in the institute during the academic year 2012-13 with an intake capacity of 10 students which has been further increased to 20. Institute has also started PhD programs in Electronics and Telecommunication and Computer Engineering from academic year 2015 -16.

The institute's mission, in establishing research program is iconoclastic in approach and demonstrating the much hyped world of academic research in India that go beyond the paradigm of adding to the body of knowledge. Core competence of Dr. G.T. Thampi is in offering research problems of real time Techno-commercial-management domains and the same gets exemplified and listed as under

1. Forecasting product life cycle of Cloud Computing.
2. Ways and means of Re-energizing E-governance practices by integrating Mobile Communication and allied, converging technologies.
3. Investigating National productivity improvement by increased penetration of E-Commerce and Mobile Commerce, practices.
4. Content creation for Entrepreneurship training and education.
5. Transcending Technology Education to contribute to the cause of India to evolve as a Total Solution Provider.
6. Investigating preparedness of Indian Industry to integrate Big Data Analytics.
7. Building efficiency in enterprises by leveraging Big Data Analytics.
8. Mass customization in Automation industry using ICT.
9. Re-structuring of enterprises to integrate Internet of things for offering cost arbitrage and quality arbitrage.
10. Image processing for agricultural / healthcare applications.

Many faculties have filed various patents in different domains.

SCHOLARSHIP DATA FOR THE ACADEMIC YEAR 2018-19

Sr.no	Name of Scholarship	No. Of Students Applied	Total Amount
1.	Rajashri Chhatrapati Shahu Maharaj (EBC - State Govt.)	273	1,70,11,998
2.	Dr. Punjabrao Deshmukh Hostel Maintenance Allowances	06	1,20,000
3.	Social Welfare Office , Reserved Category (SC/OBC/SBC/VJNT)	66	6,150,692
4.	Blue Star Foudation	09	565,685
5.	State Government Minority (SGS)	42	1,050,000
6.	Merit-cum-means scholarship (Central Govt)	4	100,000
7.	Shree Nanikram Gulabsingh Scholarship	1	15,000
8.	Brigadier Gulab H Chablani Scholarship	7	79,000

Note:

Aspiring admission seekers are advised not to fall prey to admission fraudsters who is promising false admission prospects

CONTINUING EDUCATION PROGRAM, LIFELONG LEARNING, UNLEARNING, RELEARNING PROCESSES

We take proactive measures to organize training programs for faculties to update with the new development in different technology sectors and facilitate them to develop proficiencies in newly introduced courses. As a holistic strategy to practice Lifelong Learning, unlearning, relearning processes, we sponsor faculties to participate in short term courses, seminars, conferences and workshops getting organized in other institutions Teachers have been publishing technical books on the subjects of Industrial Automation, Cloud Computing, E-Governance, Entrepreneurship, E-Commerce, Mobile Computing, Optical Fiber Communication, Digital Communication, Microcomputer System Design, Applied Chemistry, Object Oriented Programming, Material Science, Communication Engineering, Signal processing, Control Systems, and so on. Collective contribution of the faculty in the realm of research and investigation to further the cause of society at large and for the Industrial progress of India is sizeable and count more than 500 publications.

Core Competencies

- Instructional content based on cognitive load theories and epistemological consistencies
- Leveraging visual learning to maximize the efficacy of learning process
- Student centered institutional structure and process layout
- System in place for continuous value addition
- Processes which help students unleash their potential
- World class laboratories for experimental investigation
- Contemporary pedagogical practices in teaching learning processes
- Evolving competency in addressing different learning abilities and styles
- Customized learning content for heterogeneous learners.

Other Competencies and Value Propositions

- Perpetuating interaction amongst learners of high caliber
- Liberal democratic ethos in the campus
- Calibrated promotion of sports activity
- Student council expressing their evolving collective aspirations and perspectives on various issues.

Other Facilities

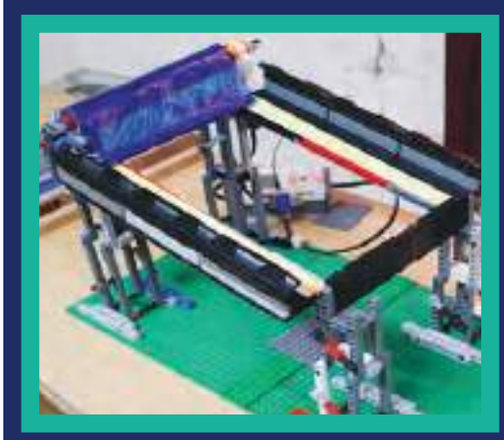
- Wi-fi and Leased line of 15 Mbps Internet enabled campus
- Canteen facility for hygienic and cost effective food
- Spacious student lounge and libraries
- Courteous and caring auxiliary staff
- Neighborhood medical facility
- High degree of parental facilitation, continual information about wards performance, sensitization of their performance index.

The Key Differentiator

- Treating and training students as evolving human capital
- Helping them to realize their potential
- Facilitating and modifying different learning styles and learning disabilities
- Perpetuating the effort to create and augment customized course content to help unleash the potential of different learners
- Our everyday discourse also focuses on creating and facilitating Game changers
- We are productively researching on the ways and means of transcending technology education to help the
- Nation Evolve as Total Solution provider's to thrive in a carbon efficient world order
- Facilitating them to manage their emotions to thrive in their professional life
- Indian values driven institutional culture energizing from ancient Indus valley civilization.

Holistic Personal Development for Global Market Place

- Well laid out schema and curricula for all round personality development focusing on emotional integrity rooted on sound ethical practices
- Promotion of Extracurricular activities to appreciate collaborative effort and group dynamics. Sensitizing learners about the importance of Nation Building and value/ wealth creation for the mankind at large
- Initiating them to product and process innovation leveraging converging technologies to remain competitive in the global market place.



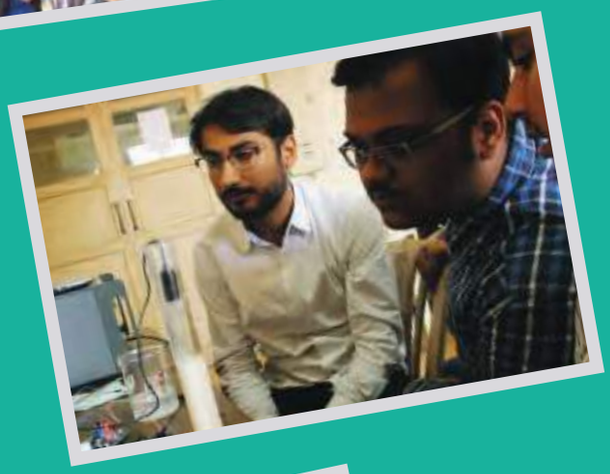
ACCENTUATION AND INCULCATION TOWARDS SOFT-WARE DEVELOP-MENT AND CODING PRACTICES THROUGH:-

SEMINARS
GUEST LECTURES
HACKATHONS
WORKSHOPS
PROJECT EXPO
TECHNICAL PAPER PRESENTATION

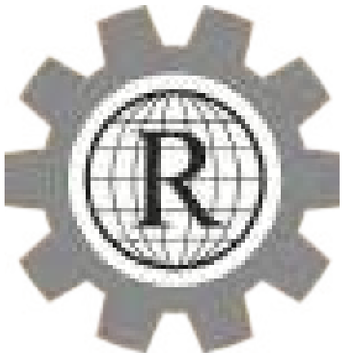
HOLISTIC DEVELOPMENT OF STUDENTS THROUGH COMPREHENSIVE PARTICIPATION IN SPORTS AND EXTRACURRICULAR ACTIVITIES

NSS-TSEC REACHES OUT TO THE SOCIETY THROUGH CARDIAC ARREST RESUSCI-TATION SEMINAR, STEM CELL RECRUITMENT DRIVE, BLOOD DONATION DRIVE, YOGA SADBHAVANA, RESIDENTIAL CAMP.

CAMPUS LIFE



COLLEGE COMMITTEES



ELIGIBILITY CRITERIA AND ADMISSION PROCESS

1. Number of Seats

The college offers Bachelor of Engineering (B.E.) degree course affiliated to University of Mumbai for the duration of four years in following branches :

Branch	Total Intake	Institute Quota(20%)
Biomedical Engineering	30	06
Chemical Engineering	60	12
Computer Engineering	180	36
Information Technology	120	24
Electronics and Telecommunication	60	12
Total Seats	**450**	**90**

2. Eligibility Criteria

2.1 Maharashtra State Candidature Candidate

i. The Candidate should be an Indian National;

ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together; and the candidate should have appeared in all the subjects in MHT-CET 2019 and should obtain non zero score in MHT-CET 2019.

or

Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only).

2.2 All India Candidature Candidates

i. The Candidate should be an Indian National;

ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks(at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State Only) in the above subjects taken together; and should obtain non zero positive score in JEE Main paper I or the candidate should have appeared in all the subjects in MHT-CET 2019 and should obtain non zero score in MHT-CET 2019. However preference shall be given to the candidate obtaining nonzero positive score in JEE (Main) Paper I over the candidates who obtained non zero score in MHT-CET 2019.

or

Passed Diploma in Engineering and Technology and obtained at least 50 % marks (at least 45 %marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

For further details, visit
https://info.mahacet.org/Technical_courses/B.ENGG-2019 for complete information of Admission Rules to First Year Degree Course in Engineering / Technology.

3. Allotment of Seats

The allotment of the seats will be done on the basis of the score of MHT-CET 2019 as follows:

3.1 Maharashtra State Candidature Candidates

i. All the eligible Maharashtra state candidature candidates will be considered for allotment of seats as per their Inter-Se Merit.

ii. After completion of all the above candidates, if the seats remain vacant then such seats will be considered for allotment to the Diploma candidates based on Inter-Se Merit of MHT-CET 2019 and further, if the seats remain vacant, such seats will be considered for allotment to the Bachelor of Science candidates based on Inter-Se Merit of CET 2019.

3.2 All India Candidature Candidates

Further if the seats still remain vacant, such seats will be considered for allotment to the All India Candidature candidates based on JEE (Main) 2019 – Paper I and then if the seats remain vacant on the basis of inter-Se Merit of CET 2019.

4. Preparation of Merit List

4.1 Assignment of Merit Number

a. For Maharashtra State Candidate, All India Candidate

All the eligible candidates who have submitted application Data Sheet on or before the last date of the respective admission rounds shall be assigned a merit number. The merit list for the Candidates as per State CET Cell rules shall be prepared on the basis of marks or score secured by the Candidate in the MHT-CET 2019.

Provided that, in case of tie, the relative merit of Candidates shall be resolved in the following order of preference and the methodology as specified below,—

i. higher marks or score in Mathematics at MHT-CET 2019 ;
ii. higher marks or score in Physics at MHT-CET 2019;
iii. higher marks or score in Chemistry at MHT-CET 2019;
iv. higher percentage of marks in Board or qualifying examination for Physics, Mathematics and Chemistry taken together ;
v. higher percentage of marks in the subject Mathematics at HSC ;
vi. higher percentage of marks in the subject Physics at HSC ;
vii. higher percentage of marks in Aggregate at HSC.

b. For Diploma Candidates

The merit list of Diploma Candidates shall be prepared on the basis of percentage of marks obtained by the Candidate, on the basis of which Diploma/ Degree is awarded by the examining authority;
Provided that, in case of tie, the relative merit of the candidates shall be resolved in the following order of preference and the methodology as specified below,—

(a) higher percentage of marks in SSC ;
(b) higher percentage of marks in Mathematics at SSC ;
(c) higher percentage of marks in Science at SSC ;
(d) higher percentage of marks in English at SSC.

4.2 Change of Marks due to verification

If the marks in the qualifying examination are modified due to verification and the same is duly certified by the concerned Appropriate Authority or Board, the same shall be reported to the Principal in written as per the guidelines provided in the admission schedule by the college. However, the effect of such change in marks will be taken into consideration only for the subsequent rounds of admission.

4.3 Method of calculating marks at qualifying examination for deciding eligibility:

While deciding the eligibility of the Candidates following procedure shall be adopted:—

i. The percentage of marks shall be calculated by rounding off to nearest integer i.e. if the percentage of marks comes out to be 44.50% to 44.99% then it shall be rounded to 45% and if the percentage of marks comes out to be 44.01% to 44.49% shall be rounded to 44% for deciding the eligibility.

ii. In case the maximum marks in an individual subject is other than 100, convert the marks out of 100 for individual subject without rounding, if sum of the converted marks of individual subjects without rounding off works out to be a figure with fraction then fraction up to two decimal places shall only be considered for calculation of percentage of marks considering maximum marks as 300 and, if the percentage comes in fraction, then rounding off shall be done as above to decide the eligibility.

iii. If letter grades are assigned at SSC, HSC, Diploma, Bachelor of Science or its equivalent examination, the Candidate must submit the certificate of conversion of letter grades into equivalent marks from the concerned Competent Authority or Board at the time of submission of Application Form. The eligibility will be decided on the basis of equivalent marks.

iv. If the Candidate reappears for the qualifying examination with all subjects then the marks obtained in the latest examination will only be considered.

5. Admission Process

All eligible candidates interested in seeking admission to their desired branches at TSEC need to follow the below mentioned process in an unfeigned manner:

Obtaining the admission kit.

Every eligible candidate must obtain the Admission kit from TSEC Office after payment of the application processing fees. The Admission kit includes the following:

a. A data sheet for filling preliminary admission details.
b. An Admission form for filling complete candidate details at the time of admission.
c. A brochure detailing the information about college and other relevant details required for seeking admission in TSEC.

Submission of Data Sheet

After obtaining the admission kit, the candidate needs to submit the completely filled datasheet along with a set of self-attested photocopy of all relevant documents and a photocopy of the duly filled data sheet to the college on or before the date of final submission as mentioned in the schedule on the college website.

Verifying Institute Merit Number

Merit list of all eligible candidates will be displayed on the college website as well as in the college premises, as per the details given in the schedule from time to time. Incase of any discrepancy, candidate should report to the college through written application on or before the date given in the college admission schedule. The candidate should confirm their merit number and other relevant information for grievances.

Attending Admission Rounds

As per the details given in the schedule, Admission rounds will be organized for finalizing the admissions. All candidates having appropriate merit numbers need to attend the admission round and complete the admission process stated during the round.

Candidate should produce the following during the time of admission round

- Duly filled admission form
- DD / PO of the required College fees as mentioned in the prospectus
- Originals of all relevant documents.
- One set of un-attested photocopy of all relevant documents (delayed submissions shall be allowed sparingly on prior approval by college authority)
- A passport-size recent photograph.

Important Note :

- The college continues to issue the admission form from the start date till the cut-off date of admissions as we are uncertain about the number of seats remaining vacant.
- The Admission kit is Non-Transferable and admission processing fee is Non-Refundable.
- It is mandatory for every candidate to first register on DTE website before applying for the admission process at the college.

- Candidate can claim only one type of candidature while submitting the application form.
- Any falsification found in Data Sheet submitted by the candidate for seeking admission shall result in cancellation of the candidature from the admission process.
- The Provisional and Final Merit List of the eligible candidates will be displayed on the College website and notice board.
- In case of any discrepancy found in the Provisional and Final Merit List, the candidate can submit the grievances through written application along with the required documents within the specified grievance period given in the schedule.
- Each respective merit list will consist of all applications received from the candidates, normally two days prior to the date of the respective admission rounds with respect to the schedule.

6. Documents Required

Candidates seeking admission through institute rounds

- ARA Registration Form acknowledged by Setu Suvidha Kendra (SETU).
- Score Card of MHT-CET 2019 / JEE (Main) 2019 Paper 1.
- Aadhaar Card of the candidate
- Statement of Marks obtained at S.S.C./X or its equivalent qualifying examination.
- Statement of Marks obtained at H.S.C./XII or its equivalent qualifying examination.
- (Grade conversion certificate needs to be attached, if passed qualifying examination from any board other than Maharashtra board)
- Statement of Marks obtained at Diploma or its equivalent qualifying examination for diploma candidates.
- Statement of Marks obtained at Bachelor of Science or its equivalent qualifying examination for B.Sc. candidates.
- College Leaving Certificate (H.S.C.) or Transfer Certificate.
- (Migration Certificate should be attached, in case Transfer Certificate is provided)
- Birth Certificate of the candidate.
- Domicile Certificate of the Candidate or Parents, whichever is applicable.
- The certificate of Indian Nationality (if Nationality is not mentioned in the College Leaving Certificate).
- Eligibility certificate from Mumbai University, if applicable. (If passed qualifying examination from any board other than Maharashtra Board)

Candidates seeking admission through Centralized Admission Process

In addition to the above documents candidates are required to produce the following additional documents depending on the category to which they belong.

- Confirmation letter from the institute where admitted, as applicable
- Sindhi Affidavit and Proforma "O" (for Sindhi Minority Candidates)
- Caste certificate / Caste Validity / Non-Creamy Layer Certificate (if applicable)
- Income Statement (if applicable)
- Physical Disability certificate (if applicable)

7. Retention of Original Certificates

If the candidate is offered admission, his or her original College Leaving Certificate (post qualifying examination) and Statement of Marks at the qualifying examination will be retained by the College. Against which retention certificate will be issued to the candidates willing to apply elsewhere. These two original certificates will not be returned to any candidate once admitted to a course unless the candidate cancels his or her admission or completes the entire course.

8. Fees, Cancellation and Refund

The Interim Fee structure for the academic year 2019-20 shall be as follows:

Sr. No.	Particular	Amount (Rs.)
1.	Tuition Fees	147085
2.	College Development Fees	16915
3.	Mumbai University Enrolment Fees	200
4.	Mark sheet Verification Fees	500
5.	Mumbai University Other Fees	556
6.	BU Exam Fees (SEM I and II)	2038
7.	Insurance	701
	Total	**167995**

"Aspiring admission seekers are advised not to fall prey to admission fraudsters who are promising false admission prospects."

Mode of Payment of Fees

- Candidates other than H.S.C. board will have to pay Rs. 300 /- for Mumbai University Eligibility Fees in addition to above mentioned fees.
- The candidate who has been offered a seat in the college shall pay the prescribed fees in the form of Pay Order / D.D.(Demand Draft) of any schedule bank only, drawn in favor of "THADOMAL SHAHANI ENGINEERING COLLEGE" payable at, MUMBAI at the time of admission.
- No other mode of payment shall be permitted.
- The fees shall be paid by the admitted candidate during the process of admission as per the guidelines given.

Cancellation of Admission and Refund of Fees

The candidate shall apply online for cancellation and submit duly signed copy of system generated application for cancellation of admission to the institution.

The candidate should have taken admission by paying necessary tuition fee and should have submitted original certificates before he/she applied for cancellation. In case candidate fails to submit any of the original documents within the allowed time limit i.e. 4 working days after the date of admission, the admission shall be treated as cancelled. Refund of fees shall not be applicable to such candidates. Delayed submissions of the original documents shall be allowed sparingly on prior approval by college authority.

If the candidate desires to cancel his or her admission for any reason whatsoever during the Admission Process, he or she shall be allowed to do so and it shall be presumed that admission is cancelled at that stage.

The candidate desirous of cancelling admission after the admission rounds shall apply for cancellation in writing and shall also give the reason for cancellation of admission.

The candidate cancelling admission shall forfeit the candidature and no longer be considered for the admission offered by the Competent Authority during the current year and fees shall be refunded to the candidate after deducting an amount as prescribed by State Common Entrance Cell, Directorate of Technical Education.

The refund of fees before the cut-off date of admission shall be made within two days after deduction of the processing charges of. Rs.1000/- (Rupees One Thousand Only).

If the admission is cancelled after the cut-off date of admission, there shall be no refund.

9. MISCELLANEOUS

- The medium of instruction for degree course in Engineering and Technology is English.
- Admission of candidate (other than those passed HSC from Maharashtra Board) who has been admitted will be treated as finally confirmed only on production of the Eligibility Certificate from the University of Mumbai.
- Physical fitness: Head of the institution at his or her discretion may refer any candidate to the appropriate medical authority for ascertaining the physical fitness of the candidate to undergo the requirements of the course. The report of medical authority shall be submitted to the Regional Head of Technical Education for further necessary action. It is to be noted that physically handicapped candidates are not provided with any additional facilities as far as academic activities pertaining to the course are concerned.
- Head of the institute may verify the antecedentsofany candidate through the appropriate police authority.
- The report received from police authority shall be submitted to the Regional Head of Technical Education for further necessary action.
- Any issue not dealt herein above will be dealt with, when arising, fully and finally by the Principal.

10. Hostel Accommodation

Hostel facility is not available in the campus. However assistance shall be extended to the students seeking accommodation in Mumbai suburbs.

11. Conduct and Discipline

- Failure of the candidate in making full and correct Statements in the application form and/or suppression of any information and/or submission of false documents shall lead to disqualification of the candidate from the entire admission procedure. Such a candidate will be debarred from the examination as well as the entire selection process. Therefore the candidate is required to make only such claims which could be substantiated by relevant original documents.
- Notwithstanding anything contained in these guidelines, if the Government takes any policy decision pertaining to F.E. admissions, then the same shall be brought into effect at that point of time as per the directives from the Government from time to time.

- The students while studying in college, if found indulging in anti-national activities contrary to the provisions of Acts and Laws enforced by Government or in any activity contrary to rules of discipline, will be liable to be expelled from the College without any notice by the Principal of the College.

Action Against Ragging

a. Ragging within or outside of any educational institution is prohibited.

b. Who-so-ever directly or indirectly commits, participates in, abets, or propagates ragging within or outside any educational institution shall, on conviction, be punished with imprisonment for a term up to 2 years and / or penalty which may extent to ten thousand rupees.

c. Any student convicted of an offense of ragging shall be dismissed from the educational institution and such student shall not be admitted in any other education institution for period of five years from the date of order of such dismissal.

d. Whenever any student or, as the case may be, the parent or guardian or a teacher of an education institution complains, in writing, of ragging to the head of the educational institution, the head of the institution shall, without prejudice to the foregoing provisions, within seven days of the receipt of the complaint, enquire into matter mentioned in the complaint and if, prima facie, it is found true, suspend student who is accused of the offence, and shall, immediately forward the complaint to the police station having jurisdiction over the area in which the educational institution is situated, for further action. Where on enquiry by the head of the education institution, it is found that there is no substance, prima facie, in the complaint received; he/she shall intimate the fact in writing to the complainant. The decision of the head of the institution shall be final.

e. If the head of educational institution fails or neglects to act in the manner specified in section “d” above when a complaint of ragging is made, such person shall be deemed to have abetted the offence and shall, on conviction, be punished as provided for in section “b” above.

All the admitted candidates are required to submit Anti Ragging pledge within 15 days of joining first year engineering. Onus of submitting the pledge lies wholly on the candidate.

12. UNDERTAKING

All candidates who have applied for admission shall be deemed to have submitted the following undertaking:

I have read all the Rules of Admission and after understanding these rules thoroughly, I have filled-in the application form for admission for the current year.

The information given by me in my application is true to the best of my knowledge and belief. I understand that if any of the statements made by me in the application form or any information supplied by me in connection with my admission is later on at any time, found to be false or incorrect, my application will be cancelled, fees forfeited and I may be expelled from the College by the Principal.

a) I have not been debarred from appearing at any examination held by the government constituted or Statutory Examination Authority in India.

b) I fully understand that the offer of a course will be made to me depending on my inter se merit and availability of a seat at the time of scrutiny of my application, when I will actually report to the admission authority according to the schedule of admission.

c) I understand that no document after the last date of submission will be entertained for the purpose of claims or concessions etc. in connection with my admission unless otherwise mentioned in the rules.

d) I am fully aware that the Competent Authority or its representative will not make any correspondence with me regarding admission. I am also aware that it is entirely my responsibility to see the notice board and website of concerned Admission Centre.

e) I am aware that any rule imposed by the university such as imposing limits on the number of attempts permission to pass any examination" shall be binding on me.

f) I hereby agree to confirm to any Rules, Acts and Laws enforced by government and I hereby undertake that I will do nothing either inside or outside the College which may result in disciplinary action against me under these Rules, Acts, Laws referred to.

g) I fully understand that the Principal of College, has righto expel me from the College for any infringement of the rules of the conduct and discipline prescribed by the College or University or Government and the Undertaking given above.

h) Condition of minimum attendance: I am fully aware that my Academic Term shall not be granted and I will not be allowed to appear for examination if I do not attend minimum 75 per cent classes of theory, practical, drawing etc. (100% attendance will be appreciated). I am also aware that I will not be allowed to appear for the examination, if I fail to submit satisfactorily all the assignments, jobs, journals, drawings, reports as specified by the University within the stipulated time limit.

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

New Delhi
NOTIFICATION
Dated 01-07-2009

Sub : Prevention and prohibition of Ragging in technical Institutions, Universities including deemed to be Universities imparting technical education.

F.No.37-3/Legal/AICTE/2009 - In exercise of the powers conferred under Section 23 read with Section 10 (b), (g), (p) and (q) of AICTE Act. 1987, the All India Council for Technical Education, hereby makes the following Regulations:-

These Regulations may be called the All India Council for Technical Education (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009.

They shall come into force on the date of the notification.

In view of the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009 to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the All India Council for Technical Education,(AICTE) brings forth these Regulations.

1. Definitions:-

“Act" means the All India Council for Technical Education Act 1987 (52 of 1987);

"Technical Institution" means an institution of Government, Government Aided and Private (self-financing) conducting the courses/programs in the field of technical education, training and research in Engineering, Technology including MCA, Architecture, Town Planning, Management, Pharmacy, Hotel Management & Catering Technology, Applied Arts & Crafts and such other programs and areas as notified by the Council from time to time;

'University" means a University defined under clause (f) of section 2 of the University Grants Commission Act, 1956 and includes an institution deemed to be a University under section 3 of that Act.

"Academic year" means the period from the commencement of admission of students in any course of study in the institution up to the completion of academic requirements for that particular year.

"Head of the institution" means the Vice-Chancellor in case of a university or a deemed to be university, the Principal or the Director or such other designation as the executive head of the institution or the college is referred.

"Fresher" means a student who has been admitted to an institution and who is undergoing his/her first year of study in such Institution.

Words and expressions used and not defined herein but defined in the Act or in the General Clauses Act, 1887, shall have the meanings respectively assigned to them in the Act or in the General Clauses Act, 1887, as the case may be. And

All other words and expressions used herein and not defined but defined in the All India Council for Technical Education Act, 1987 (52 of 1987), shall have the meanings respectively assigned to them in the said Act; 4.

2. What constitutes Ragging: -

Ragging constitutes one or more of any of the following acts:

- Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;
- Indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological

harm or to raise fear or apprehension thereof in any fresher or any other student;

- Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
- Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
- Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students; any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- Any act or abuse by spoken words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;
- Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

3. Measures for prevention of ragging:-

It shall he mandatory for every technical Institution, University, deemed to be University imparting technical education to take following measures for prevention of ragging at such institutions.

1. The advertisement issued for admission by a technical institution, University including Deemed to be University concerned and/or the admission authority/ affiliating University/State Govt./UT/Central Govt. as the case may he, shall clearly mention that ragging is totally banned and anyone found guilty of ragging and/or abetting ragging is liable to be punished.

2. The 'Prospectus' and other admission related documents shall contain directions of the Supreme Court Affiliating University/admission Authority/State Govt./Central Govt. shall make it mandatory for the institutions

under their Jurisdiction to compulsorily incorporate such information in their 'Prospectus'. These Regulations shall be printed in the brochure of admission/instruction booklet for candidates.

3. The application form for admission/enrolment shall have a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages. The affidavit should he filled up and signed by the candidate to the effect that he/she is aware of the law regarding prohibition of ragging as well as the punishments, and that he/she, if found guilty of the offence of ragging and/or abetting ragging, is liable to be punished appropriately.

4. The application form shall also contain a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages and the affidavit should be signed by the parent/guardian of the applicant to the effect that he/she is also aware of the law in this regard and agrees to abide by the punishment meted out to his/her ward in case the latter is found guilty of ragging and/or abetting ragging.

5. The application for admission shall be accompanied by a document along with the School Leaving Certificate/Character Certificate which shall include a report on the behavioural pattern of the applicant, so that the institution can thereafter keep intense watch upon the student who has a negative entry in this regard.

6. A student seeking admission to the hostel shall have to submit another affidavit along with his/her application for hostel accommodation that he/she is also aware of the law in this regard and agrees to abide by the punishments meted out if he/she is found guilty of ragging and/or abetting ragging.

7. Every technical institution, University including Deemed to be University imparting technical education shall maintain a proper record of the affidavits obtained to ensure its safe up keep thereof, including digital copies of the affidavits and such digital copy should be made available to the AI(TE or to an Agency identified/nominated by AICTE.

8. The AICTE or an Agency identified/nominated for the purpose and affiliating Universities and Directorate of Technical Education of the concerned State Govt./UT shall maintain an appropriate data base of the affidavits in the digital form obtained from every student at the time of admission to the technical institutions. Universities including Deemed to be Universities imparting technical education.

9. Each batch of freshers should be divided into small groups and each such group shall be assigned to a member of staff. Such staff member should interact individually with each member of the group on daily basis to ascertain the problems/difficulties, If any faced by the freshers in the Institution and extend necessary help.

10. In case of freshers admitted to a Hostel it shall be the responsibility of the teacher in charge of the group to co-ordinate with the warden of the Hostel and to make surprise visits to the rooms in the hostel where the members of the group are lodged. Freshers should be lodged in a separate hostel block wherever possible and where such facilities are not available, the college/institution shall ensure that seniors' access to fresher's accommodation Is strictly monitored by wardens, Security Guards and Staff.

11. Every institution should engage or seek the assistance of professional counselors at the time of admissions to counsel 'fresher' in order to prepare them for the life ahead, particularly for adjusting to the life in hostels. At the commencement of the academic session, the Head of the technical Institution, University including Deemed to be University imparting technical education shall convene and address a meeting of various functionaries/agencies, like Wardens, representatives of students, parents/guardians, faculty, district administration including police, to discuss the measures to be taken to prevent ragging and steps to be taken to identify the offenders and punish them suitably.

Colleges Managed By The Board

1. Rishi Dayaram National College of Arts and Science, Bandra (W), Mumbai 400 050.

2. Kishinchand Chellaram College of Arts and Science, Churchgate, Mumbai 400 020.

3. Kishinchand Chellaram Law College, Churchgate, Mumbai 400 020.

4. Hassaram Rijhumal College of Commerce and Economics, Churchgate, Mumbai 400 020.

5. Smt. Mithibai Motiram Kundnani College of Commerce & Economics, Bandra (W), Mumbai 400 050.

6. Smt. Chandibai Himathmal Mansukhani College of Arts, Science and Commerce, Ulhasnagar 421 003.

7. Bombay Teachers' Training College, Colaba, Mumbai 400 005.

8. Prin. K.M. Kundnani College of Pharmacy, Cuffe Parade, Mumbai 400 005.

9. Gopaldas Hamatmal Advani Law College, Bandra (W), Mumbai 400 050.

10. Watumull Institute of Electronics Engineering and Computer Technology, Ulhasnagar 421 003.

11. Thadomal Shahani Engineering College, Bandra (W), Mumbai 400 050.

12. HSNCB's Dr. L.H. Hiranandani Pharmacy College, Ulhasnagar 421 003.

13. HSNCB's H. & G. Himatmal Mansukhani Institute of Management, Ulhasnagar 421 003.

14. Nari Gursahani Law College, Ulhasnagar 421 003.

15. Prin. K.M. Kundnani Pharmacy Polytechnic, Ulhasnagar 421 003.

16. K.C. College of Management Studies, Churchgate, Mumbai 400 020.

"WHY ENGINEERING IS STILL THE MOST PREFERRED EDUCATIONAL PROGRAM"

No. of years getting engaged in classroom/college:	**4 Years**
Expenditure incurred:	**2 Lacs per annum**
Total expenditure incurred for the course:	**Less than 8 Lacs**
Compensation from industry/business on campus placement:	**6 Lacs per anum**
Time required to recover the investment of four year program:	**Less than 18 months**

ADDITIONAL BENEFITS:

- Productive work culture
- Higher degree of problem solving abilities
- Exposure to engineering technologies
- Initiated to social outreach and real time functional areas
- Developing a repertoire of new jargons and tokens

HSNC
WHERE IDEAS COME TO LIFE
HYDERABAD (SIND)
NATIONAL COLLEGIATE BOARD

Nari Gursahani Marg (37th Road), TPS III, Bandra (W)
Mumbai – 400 050. India. Phone: (022) 26495808 / 26488830
Email: gtthampi@yahoo.com, gtthampi@gmail.com
www.tsec.edu, www.gtthampi.pro

Admission Brochure for the academic year

2018 - 19

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

THADOMAL SHAHANI ENGINEERING COLLEGE

PROSPECTUS 2018 - 19

THADOMAL SHAHANI ENGINEERING COLLEGE

MEMBERS OF THE GOVERNING BODY

1. Mr. Anil Harish
President
Hyderabad (Sind) National Collegiate Board

2. Mr. Niranjan Hiranandani
Immediate Past President
Hyderabad (Sind) National Collegiate Board

3. Mr. Kishu H. Mansukhani
Past President
Hyderabad (Sind) National Collegiate Board

4. Principal Dinesh Panjwani
Secretary
Hyderabad (Sind) National Collegiate Board

5. Mrs Maya Shahani
Hyderabad (Sind) National Collegiate Board

6. Mr. Ramesh Unnikrishnan
Regional Officer (WRC), AICTE, Churchgate,
Nominee of the Central Govt.(AICTE)

7. Dr. S.K.Mahajan
Director,
Nominee of the State Govt (DTE)

8. Dr. S. Y. Mhaiskar
Nominee of the University of Mumbai

9. Prof. (Dr.) G. T. Thampi
Principal & Member Secretary

Learning
Together
For Life

FROM THE PRINCIPALS DESK

My heart goes to all the aspiring students, the graduate students and I am jotting down the following.

You are in the cusp of entering a world of infinite possibilities; your capacity to remain focus and stay the course shall take you to a different productive orbit. The current level of higher education doesn't acknowledge the pervasive internet and resources available with it. Going forward we are expected to bridge this gaps. We as educational and training institutes are expected to create a supply chain of intellectual capital with high degree of emotional integrity.

The very technologies that improve the lives of millions have the side effects of bringing unprecedented fragility into the system. Never before the world been so inter connected, with the consequences that a small disturbance in one place can leave vary rapidly to large effects in another or generalized cascades.

You are expected to have psychological sensitivity to succeed in the vast, hugely heterogeneous inter connected world. Participate in entrepreneurial ventures and subject yourself to training and experiment with the process of wealth creation underpinning the culture of risk taking. The internet has the greatest single disruption in the way we organize, access, process and re circulate knowledge. The idea that knowledge, could be accumulated, assimilated, stored permanently and meant accessible free of cost for the most part, at the click of button anywhere in the world, is a truly radical one. My heartfelt congratulations and best wishes go to all the aspiring and the graduate students.

Dr. G.T. Thampi
Principal, TSEC

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VISION

Perpetuating and transcending the process of

- Contributing to evolving supply chain of human capital for National Economy.
- Creating entrepreneurs and 'game changers' to support heightened level of economic activities underpinning ever increasing human aspiration.
- Helping the nation evolve as a total solution provider.
- Value and wealth creation for the mankind.

MISSION

Focusing and practicing

- Product and processes innovation.
- Leveraging human cognitive and behavioral science for creating instructional content.
- Pervasive and ubiquitous information Communication Technologies for customized content for learning.
- Acknowledge and facilitate various learning styles and learning abilities.
- Migrating from teaching paradigm to learning paradigm.
- Every day discourse shall inculcate research culture and further the cause of societal advancement.
- Understand various markets and cultures.
- Collaborative learning and emotional integrity.
- Sensitizing about opportunities in Energy, Education, Environment and Health care sectors.
- Extensively promoting computer aided design, analysis and manufacturing procedures.
- Theoretical rigor to develop conceptual clarity.
- Modeling and design of experiments to inculcate culture of investigation.
- Creating foot print on project management and collaborative human endeavour.
- Interdisciplinary studies and exposure to functional areas.

“4 Years, 40 Subjects, 400 Experiments, 4000 Assignments, 40000 hours A normal human being CANNOT do it. Those superheroes are called ‘ENGINEERING STUDENTS’,,

THE GENESIS

The Hyderabad (Sind) National Collegiate Board well known as HSNC board is a charitable trust established by Sindhi Community in 1949. The HSNC Board has roots going back over 60 years. The board was managing the National College in Hyderabad (Sind) long before partition of India. In true spirit of their times the members of the Board worked to ensure the nations' integrity and honour during the National Movement of Indian Independence. After the Partition of the country in 1947, the members of Sindhi Hindu Community migrated to India. Principal K.M. Kundnani, with the vision and mission to promote participation in education, initiated the efforts for starting a college in Mumbai. With active support and encouragement from Late Barrister Hotchand G. Advani the Hyderabad (Sind) National Collegiate Board came into existence in 1949 at Mumbai. Late Barrister H.G. Advani was the Founder President and Late Principal K.M. Kundnani was the Founder Secretary and Founder Principal of the first college started by the board and known as the Rishi Dayaram National College, Bandra, Mumbai.

Since then the Board has been offering unique pre-degree study, undergraduate and post graduate degrees in a wide range of programs. It has produced professionals' par excellence in the fields of Arts, Science, Commerce, Management, Education, Law, Engineering, Technology and Para-Medical.

Barrister Hotchand Gopaldas Advani

Padmabhushan Dr. L.H. Hiranandani

Principal Khushiram Motiram Kundnani

6,500+
GRADUATE STUDENTS

50 +
TAUGHT
DOCTRATE'S
programme

ACADEMICS
in consultation
with the INDUSTRY

CENTRAL
MUMBAI
LOCATION

30 + years
of ACADEMIC
EXCELLENCE
(since 1983)

100+
EXPERIENCED
FACULTIES

HIGH
QUALITY
research

THE ACADEMY
AT THADOMAL SHAHANI ENGINEERING COLLEGE

Established in 1983, Thadomal Shahani Engineering College is founded by the Hyderabad (Sind) National Collegiate Board. Thadomal Shahani Engineering College (TSEC) is recognized by the Government of Maharashtra. This college is approved by the All India Council for Technical Education (AICTE), affiliated to the University of Mumbai.

Four-year Bachelor of Engineering (B.E.) Degree program.

- Biomedical Engineering
- Biotechnology
- Chemical Engineering
- Computer Engineering
- Information Technology
- Electronics & Telecommunication Engineering

Doctor of Philosophy (Ph.D.) program.

- Computer Engineering
- Information Technology
- Electronics & Telecommunication Engineering

We at TSEC are constantly on the move and developed an eye for figuring out and identifying emerging technology market place. Our perspective of Information Communication Technology market place (products and processes) provoked us to develop competency in the nascent technology like Artificial Intelligence, Machine Learning, Deep Learning and Block Chain technology.

We identify Computer and Information Technology Department with core competency in above mentioned technologies and Software Engineering. We are the first mover in Artificial Intelligence space in professional education and has been collaborating and investing massively with institutes of higher learning.

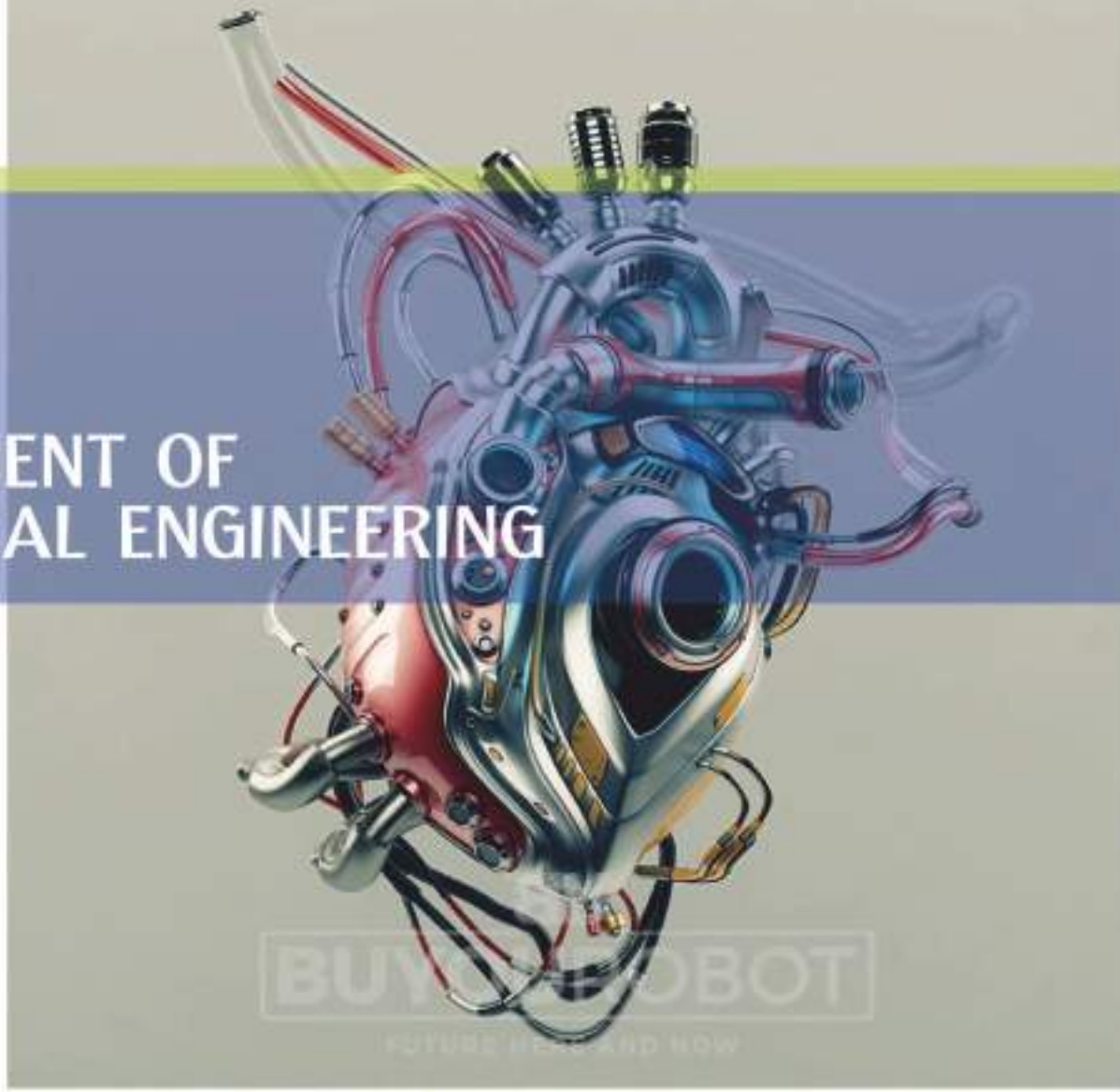
Think like an ENGINEER

Dream big. be different. have fun

Use systematic thinking to solve everyday challenges & unlock the inherent values in them

DEPARTMENTS AND COURSES

DEPARTMENT OF BIOMEDICAL ENGINEERING



The Department of Biomedical Engineering at TSEC was established in 1983 under the University of Mumbai. The Department aims to impart not only fine technical knowledge but also social education to mould students to become well rounded citizens, thus producing high quality, distinguished engineers and successful practitioners of Biomedical Engineering.

Biomedical Engineering (BME) program integrates engineering and medical principles to improve healthcare diagnosis and treatment. Biomedical Engineering focuses on theoretical and practical aspects of medical technology, instrumentation design and application of engineering methods into hospital design, patient care and healthcare information system. The students also gain the understanding of advanced technologies like, Embedded Systems, VLSI, Biomedical Microsystems, Robotics in Medicine, Rehabilitation Engineering etc.

The department has a team of very enthusiastic and competent faculty who take up the ownership of motivating the students and work hard for the development of student personality, initiative and creativity. The faculty is highly qualified and is carrying out research activities in upcoming fields of Biomedical Engineering. They have presented research papers in international and national conferences, delivered guest lectures both in the academia and industry and organized national seminars and workshops. They also participate in advanced training and development activities to keep abreast of the latest developments in their specific subjects. Under their guidance students have not only participated in international conferences all over the world but also have written technical papers in reputed journals.

The strength of our department is well equipped laboratories and sophisticated biomedical equipments, demonstration equipments and trainer kits which help in simplifying the basic working and design principles. The department has regularly been receiving University Grants for implementation of innovative and socially relevant projects.

The department's long-standing and active collaboration with various reputed hospitals (Lilavati, Hinduja, KDAH, Jupiter, KEM, Nanavati, Kohinoor, etc.), institutes like IIT-Bombay, BARC, TIFR and companies like Tata-Elxsi, Philips, Siemens, GE, Applied Materials, Yogi Kripa Medi Chem Pvt Ltd., Imaginarium, etc have enabled students to obtain internships, carry out innovative projects and secure promising careers. Eminent resource persons from these institutions are regularly invited to the department for delivering seminar talks and conducting workshops on current topics.

As a part of Industry Institute Interaction, the Biomedical Engineering department had organized a 2-day training and workshop in collaboration with Siemens Healthineers on 'X-rays and Ultrasound' for third year biomedical students. Experts from the company had delivered seminar talks on recent advances in technology of these imaging modalities, basic instrumentation & troubleshooting, exhibited the different parts and accessories of these machines and also gave hands on training on operating the Ultrasound machine along with clinical applications. The workshop enhanced the skills of the students to enable them to work efficiently with these imaging devices.

Most of our students pursue higher education in India and abroad. The alumni hold esteemed positions in reputed companies, hospitals and research organizations in India and abroad. With the futuristic vision of the requirements of Healthcare industry, some of them have become successful entrepreneurs thereby contributing to the biomedical domain in India. With the government pushing for **Make in India**, there will be a boost in manufacturing medical equipments in the country for which there will be a huge demand for skilled biomedical engineering professionals.

Head of Department
Dr. Mita Bhowmick, Ph.D.

DEPARTMENT OF BIOTECHNOLOGY

TSEC took an early note of rise of biotechnology as an upcoming industry in every walk of life and ventured into starting undergraduate engineering degree programme in Biotechnology under the University of Mumbai.

Biotechnology Engineering is an amalgam of pure biological sciences and chemical engineering principles made applicable in making human life more comfortable and eco-friendly. Biotechnology Engineering involves scientific manipulation of biological systems at genetic and molecular level to innovate products and to provide services in various fields to make manufacturing more viable and eco-friendly.

Department of Biotechnology, TSEC focuses on various areas of study like Applied Microbiology, Biochemical Engineering, Bioprocess and Enzyme Technology, Unit Operations, Plant Tissue Culture, Immunotechnology, Genetic Engineering , Bioinformatics, Fermentation Technology, Downstream Processing, Bioseparation Techniques, Food Biotechnology, Environmental Biotechnology and Protein Engineering.

Students are placed in the fields like drug and pharmaceutical research, environment control, waste management, food processing and bio-processing industries.
The collaboration with the various reputed organizations and institutes like GlaxoSmithkline pharmaceuticals Ltd, IIT-Bombay, Tata Institute of Fundamental Research, Haffkine, BARC, NIRRH, RCF, BPCL, HPCL, Bharat Serums and many more have resulted in live final year projects.

Head of Department
Mr. C. S. Kulkarni

DEPARTMENT OF CHEMICAL ENGINEERING

Department of Chemical Engineering, TSEC was established in 1983. It has along and distinguished history of successfully educating leaders for a widevariety of industries. The department strives to impart high quality technicaleducation with a delicately struck balance of fundamental knowledge, practicalexposure and novel concepts.

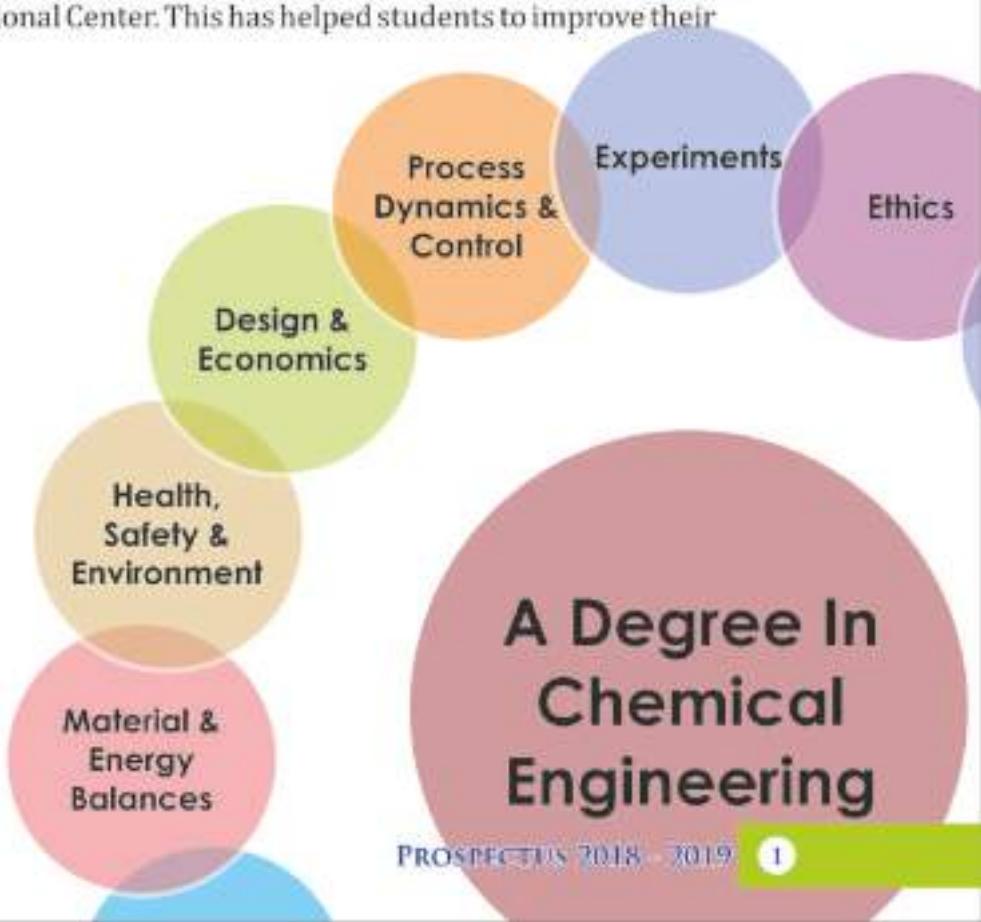
We believe in providing our students with the conductive environment thatenable them to identify and pursue their personal and professional goals. Westrive to provide education that combines conceptual learning and theexcitement of discovery with the support and intellectual stimulation of adiverse campus community. The department is committed to achieveexcellence and evaluates the success and leadership of its programs using thehighest standards of quality and innovation.

The department is well-equipped with state-of-the-art infrastructure anlaboratories as per Mumbai University Syllabi. The department has highlyqualified core faculty with an incredible professional profile to meet theemerging trends and challenges in the field of chemical engineering and alliedareas on a global platform. The students undertake projects in final yearusually in subjects like modelling and simulation, unit operations, polymers,pollution control, and design of process industries. Many of the projects haveled to publication. The department has also received AICTE - MODROB grant fortwo consecutive years 2012-13 and 2013-14 and minor university grant in the year 2015-16.

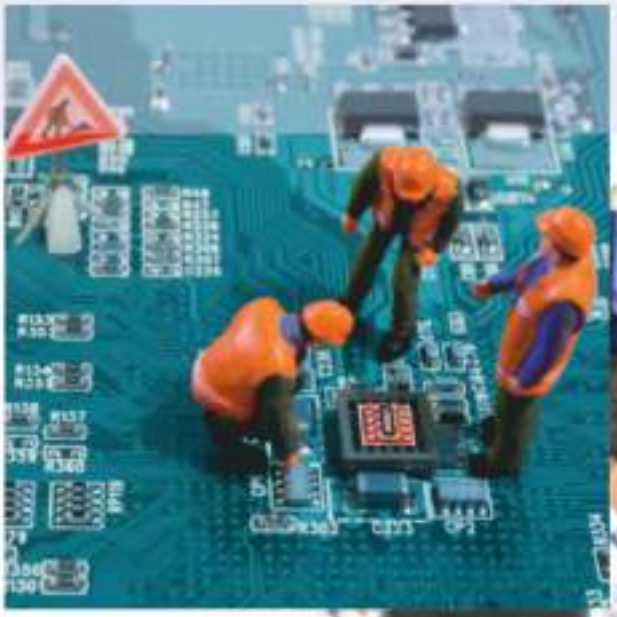
The department had produced university toppers with regular consistency.Thedepartment emphasizes on all round development of its students; proof ofwhich are the numerous instances where the students have made the collegeproud by winning laurels in various national level technical and nontechnicalcompetitive events in the face of tough competition. Also our students have consistently won TSEC prestigious Gold Medal Award. Today our alumni not onlywork in many revered organizations like Reliance, Aker Power Gas, ToyoEngineers, Tata Consulting Engineers ,SNC Lavalin to name a few, atresponsible positions but also many have turned into successful entrepreneurs.

Faculty had worked as organising committee member for organising variousevents like international conferences, seminars, quiz contest, outstandingyoung chemical engineer award competition, industrial visits etc while workingas office bearers/ executive committee member of Indian Institute of Chemical Engineers, Mumbai Regional Center. This has helped students to improve their personalities and career.

Head of Department
Dr. Anita Kumari, Ph.D.



DEPARTMENT OF COMPUTER ENGINEERING



Department of Information Technology was established in the year 1998 with a clear view of a forerunner in the field of Information Technology. The Department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized fields.

At the desktop of achievements of the department, lies the award of accreditation given by the National Board of Accreditation and also the starting of Ph.D. program in the department by the University of Mumbai. The Department has a highly qualified, dynamic and technologically sound faculty. The department is always keen in organizing seminars, workshops, and symposia in emerging technological areas.

We give exposure of current trends in IT to our students by inviting experts from industry. Various Short Term Training Programmes are conducted for student and faculty members to give them insights about the latest trends and technologies in the industry. Beyond syllabus activities are conducted for the betterment of employment in academia, government, research, industry, engineering and management positions.

IT program focuses on preparing graduates who are concerned with issues related to users and meeting their needs within an organizational and social context through the selection, creation, application and integration of computing technologies. This course includes topics such as fundamental concepts of computing and IT, network and security, design of web pages, big data analytics, cloud computing and management of technology life cycle.

The curriculum of program has been designed to cater to the ever changing needsand demands of IT industry. It has one of the best state-of- the-art computinginfrastructures including domain-specific laboratories associated with the above technical divisions. The department provides a comfortable atmosphere in invoking the students to develop them to meet real life challenges.

The Department has seen a lot of progress in terms of the number of students being absorbed by various prestigious companies over the years. Time and again esteemed companies are recruiting our students. Our students represent TSEC at various national platforms like Hackathon and have won accolades. The alumni hold esteemed positions in reputed companies and research organizations in India and abroad.

Core competency of the department is Big Data Analytics and Cloud Computing. Collective consciousness of the department exhorts the pupil to remain focused to develop proficiency in "coding" (conversion of physical problem to logic).

Head of Department
Dr. Tanuja Sarode, Ph.D.

DEPARTMENT OF INFORMATION TECHNOLOGY

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Head of Department
Dr. Madhuri Rao, Ph.D.

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Department of Electronics and Telecommunication was established in year 2002 with a clear view of a forerunner in the field of Telecommunications, the Department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized communication related fields. This Department earlier had nomenclature of Electronics Engineering from 1983 to 2001.

A highly qualified, experienced, dynamic and technologically sound faculty with this department, endows the professional cutting edge. The department has a good record of organizing seminars, workshops, and symposia in emerging technological areas.

The curriculum of the program has been designed to cater to the ever changing needs and demands of communication industry. The focus is on holistic learning and empowering students to make significant contributions at all levels. The open elective system gives a handful of choices for students to develop expertise in their area of interest such as Neural Networks, Radar engineering, VLSI, Data compression and Encryption, Satellite communication and Image processing etc. It has one of the best state-of-the-art hardware and software laboratories with special focus on telecommunication.

Our students take up 3rd and final year project in the field of embedded systems, Controls & Automations ,Signal Processing ,Image Processing, Antenna, Wireless Networks, Mobile Communications under the guidance of our highly qualified , experienced faculties to meet the emerging trends and challenges in the field of Electronics & Telecommunication Engineering and its allied areas on the global platform. The department also receives the grant from the University of Mumbai for the same.

Our students have shown an all round performance in technical and nontechnical competitive events at state and national level. The latest example is the 'Transform Maharashtra' , initiative by the Government of Maharashtra where the project ideas /themes of our students have been accepted. Our graduates are well placed in reputed industries, academic and research organization in India and abroad.

The Department also offers a research program (Ph. D.).

Head of Department
Dr. Ashwini Kunte, Ph.D.

Continuing Education Program / Lifelong Learning, Unlearning, Relearning Processes

We take proactive measures to organize training programs for faculties to update with the new development in different technology sectors and facilitate them to develop proficiencies in newly introduced courses. As a holistic strategy to practice Lifelong Learning, unlearning, relearning processes, we sponsor faculties to participate in short term courses, seminars, conferences and workshops getting organized in other institutions Teachers have been publishing technical books on the subjects of Industrial Automation, Cloud Computing, EGovernance, Entrepreneurship, E-Commerce, Mobile Computing, Optical Fiber Communication, Digital Communication, Microcomputer System Design, Applied Chemistry, Object Oriented Programming, Material Science, Communication Engineering, Signal processing, Control Systems, and so on. Collective contribution of the faculty in the realm of research and investigation to further the cause of society at large and for the Industrial progress of India is sizeable and count more than 500 publications.

Core Competencies

Instructional content based on cognitive load theories and epistemological consistencies
Leveraging visual learning to maximize the efficacy of learning process
Student centered institutional structure and process layout
System in place for continuous value addition
Processes which help students unleash their potential
World class laboratories for experimental investigation
Contemporary pedagogical practices in teaching learning processes
Evolving competency in addressing different learning abilities and styles
Customized learning content for heterogeneous learners

Other Competencies and Value Propositions

Perpetuating interaction amongst learners of high caliber
Liberal democratic ethos in the campus
Calibrated promotion of sports activity
Student council expressing their evolving collective aspirations and perspectives on various issues.

Other Facilities

Wi-fi and Leased line of 15 Mbps Internet enabled campus
Canteen facility for hygienic and cost effective food
Spacious student lounge and libraries
Courteous and caring auxiliary staff
Neighborhood medical facility
High degree of parental facilitation, continual information about wards performance, sensitization of their performance index.

The Key Differentiator

Treating and training students as evolving human capital
Helping them to realize their potential
Facilitating and modifying different learning styles and learning disabilities
Perpetuating the effort to create and augment customized course content to help unleash the potential of different learners
Our every day discourse also focuses on creating and facilitating 'Game changers'
We are productively researching on the ways and means of transcending technology education to help the Nation Evolve as a 'Total Solution provider' to thrive in a carbon efficient world order
Facilitating them to manage their emotions to thrive in their professional life
Indian values driven institutional culture energizing from ancient Indus valley civilization

Holistic Personal Development for Global Market Place

Well laid out schema and curricula for all round personality development focusing on emotional integrity
Promotion of Extracurricular activities to appreciate collaborative effort and group dynamics.
Sensitizing learners about the importance of Nation Building and value/ wealth creation for the mankind at large.
Initiating them to product and process innovation leveraging converging technologies to remain competitive in the global market place.

Student's Performance and Extracurricular Activities

Our students consistently excel in their academics and are known to hold rank in the University. In addition to academic excellence students also demonstrate proficiency in sports, and represent the College at several inter and intra College competition at State and National Levels. The students have represented the college in the National Team of Badminton, Swimming and Rifle Shooting. Since 1995, TSEC has been hosting the "Inter-Engineering Football tournament" which presents Rotating Trophies to Winner and Runner-up teams. TSEC has also been hosting "Inter-Engineering Cultural Festival" TRIFLES, since academic year 2000, which presents a platform for students from different colleges to interact with one another.

College is recognized by the Institution of Engineers (India) and also has Students chapters of IEEE (USA), IETE, ISTE, IIChE, and CSI. The College has its own Management Society (MS), which conducts literary activities and prepares them for various aspects of management. It organizes a National Level debate and quiz competition annually. The society contributes towards grooming the soft-skills of the students. All these societies are extremely active and are popular with the students.

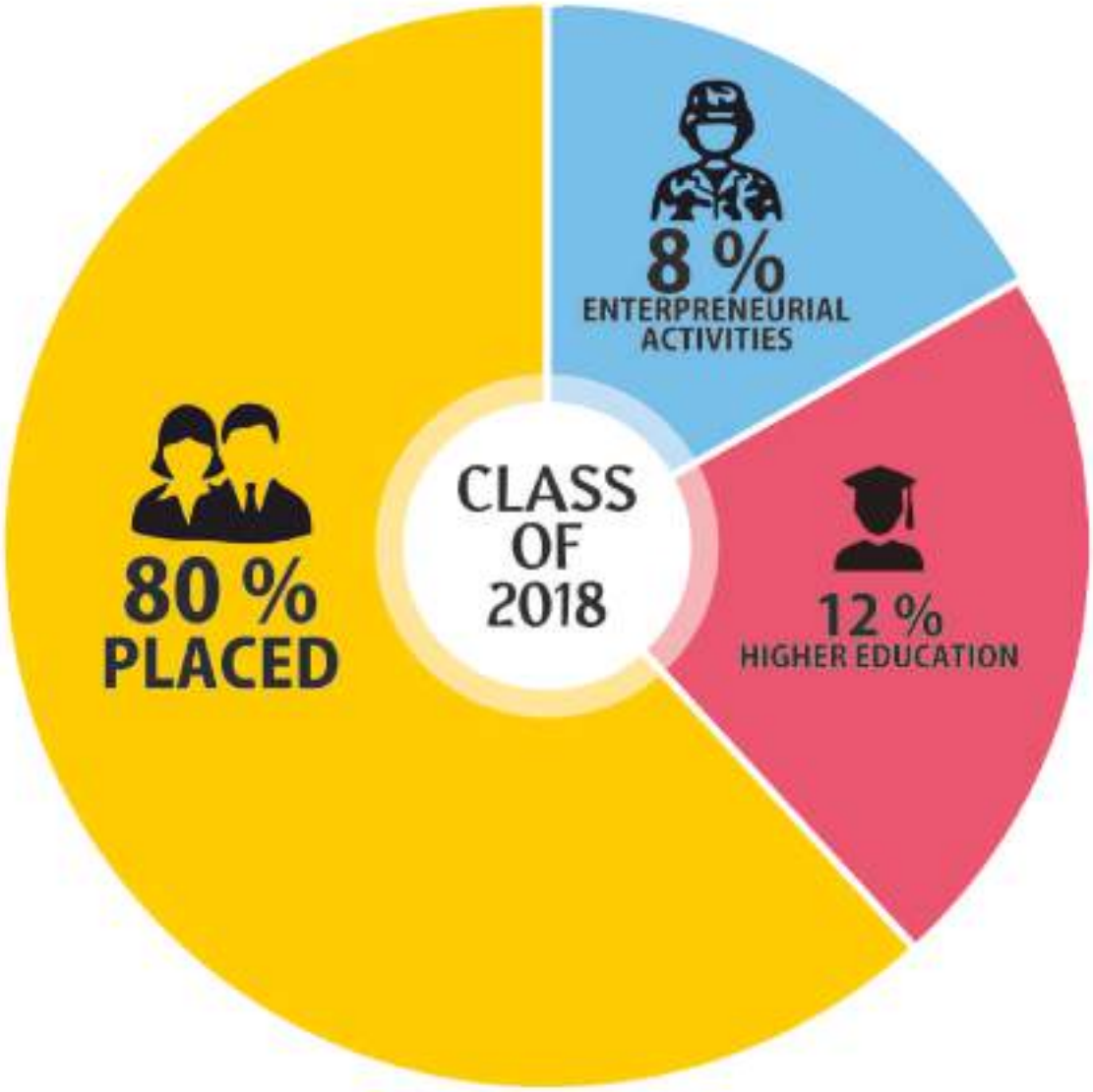
The Institute of Electrical and Electronics Engineers (IEEE) USA, an International Professional Organization, has established a student's chapter in the college which has four Society chapters viz. Computer Society Chapter, Communications Society Chapter, Engineering in Medicine & Biology Society Chapter and Industrial Electronics Society Chapter.

Contributing to the Society

We are the first engineering college in Mumbai University to start the National Service Scheme (NSS) program. [illegible] by NSS [illegible] the society as a whole and also helps students to develop all round skills which are extremely useful in this extra competitive world. The highlights the program include Blood Donation Drive, Child Care Project and Residential camp in Rural Area. NSS has also taken up Energy Audit of the College.

CAMPUS PLACEMENT
And Higher Studies In Post Graduation Program

Tsec enjoys high credentials amongst the top business enterprises seeking intellectual capital with high level of productivity and work culture. We succeeded in perpetuating placement / admission to post graduate programs in Engineering / Management in highly reputed national and international institutions.



₹9 LAKHS
Highest Salary

₹4.5 LAKHS
Average Salary

TSEC is ranked one of the best Engineering College in Maharashtra

TSEC ENTREPRENEURSHIP CELL

TSEC Entrepreneurship Cell has the sole mission of providing its students with a platform where they can think, innovate and create. TSEC E-Cell kicked off the year with its first event Embark'17. It was a youth entrepreneurial festival which aimed at pivoting the mindset of the students towards entrepreneurship. Embark started with TSEC Talks wherein Mr Shrirang Tambe, Founder & CEO, Origa Leasing and Mr Sumeet Jain, Co-Founder, StupidSid shared their startup journey experience. Startup Pitching competition, Entrepreneurial Tussle, Stock Market Workshop led by Mr Mihir Malani, CheckerBoard Solutions and many other events were all sincere efforts in the same direction. Crack The Cocoon, a career-centric event saw 2 sessions. First one had the authorities from the US Embassy enlighten students about all the details regarding overseas education in the United States of America.

In the second session, seniors who got placed in the Day 0 companies shared tips and tricks on cracking campus placement interviews successfully. This had initiated a state of excitement and competitive spirit in most third-year engineering students.

TSEC E-Cell made its final stop with our flagship event, Project Expo'18, which received an overwhelming response from all the departments belonging to all four years of study. Projects exhibited in this competition were built around all the emerging technologies and had left the judges and students completely bewildered with the projects the teams came up with and the passion they displayed. Project Expo'18 was successful in catalyzing the thought process invoked during the previous events. All this would not have been possible without the trust and constant support of the Principal and the Counselors of TSEC E-Cell. TSEC E-Cell hopes to channel its undying energy towards accomplishing our mission of setting up an entrepreneur-friendly environment.

ALUMNI ASSOCIATION

TSEC Alumni association was formed in 1994 and since then there has been a constant interaction with the alma mater. To facilitate greater interaction with alumni a TSEC Alumni App has been developed this year. With TSEC Alumni app and portal you can not only view or upload your old pictures and videos to bring back nostalgia, but also get intense mentorship benefiting your career! We also feature webinars and expert blogs on diverse topics that'd tickle your grey cells. If that's not enough, job opportunities are widely featured from time to time as well. Networking is also a great way to find your next business partner, your next firm or simply connect to a long lost friend, all availed through this. Another ray of silver lining is that we also feature Alumni and faculty interviews to expand your horizons and to exercise your nostalgia. You can also get back to your roots by donating to your alma mater through this app and portal. To strengthen the bond with the Alumni, the Alumni meet was successfully conducted on 24th March 2018. The meet was attended by above 120 alumni from all the branches.

What Our Alumni Say?

Lt. Govind Mishra
Indian Navan Officer

Experiences make a person what he is, this was true for me as well. Since my childhood I have always dreamt about joining the defence forces to serve my country. I kept training myself to increase my physical stamina and fitness. Little did I know that equally important is the mental aptitude that you develop, and a huge part of this was shaped by TSEC. I joined TSEC and was happy for being able to be a part of one of Mumbai's top colleges. I realised that the more you interact with people who are different from you, the more you grow. I was associated with mainly 2 committees: TSF and NSS. As I chaired the NSS committee, I discovered my strengths and weaknesses and got to work on them. TSEC also helped me meet some of my closest friends. It showed me that if needed, I can study a 500 pages long book in a night's time and score pretty well in the exams too. The 4 years that I spent here helped me become a better version of myself and this I believe aided me in achieving my dream of becoming a Indian Navy Officer.

Divyashree Shinde
Scientist , ISRO

TSEC has given me most amazing 4 years of my life. TSEC was my first priority for EXTC branch when I joined and I was fortunate enough to get the same. I have immense respect for all the teachers who taught me. Concepts taught in college were helpful in all competitive exams that I attempted. Teachers here are really passionate about their work. They helped me even after I graduated from the college. So I am really grateful to TSEC for providing that atmosphere for shaping my career. Their incredible teaching skills made me fall in love with the subjects taught. I still wish to learn more and keep in touch with TSEC family.

Flt. Lt. Brijesh Raval
Royal Air Force

One of the most interesting stages in life that gives you an opportunity to explore is the 'college phase.' My experience at TSEC has taught me one fundamental thing – life is unpredictable. It might be good, it might be bad, it might be weird, and it might not interest you, but expect anything to happen. College life is a perfect blend of joy and hardships. You meet different people, you interact with them, you learn about their cultures and grow as a person. You will understand how to talk to different people, how to judge their behavior, thus helping you with important life skills. In TSEC here, you find campus groups or student groups where you can explore your co-curricular skills. There are also campus festivals, which draw a lot of fun crowd from other colleges and let you show off your skills. Even now when i see pictures from the college of me and my friends having a good time, I land up smiling silently.

Epitome Of Research In TSEC

Aspiration to go up in the academic value chain provoked us to leverage the dormant academic research abilities to play a creative role in starting the PhD program in our institute.

PhD program in Information Technology was started in the institute during the academic year 2012-13 with an intake capacity of 10 students. Institute has also started PhD programs in Electronics and Telecommunication and Computer Engineering from academic year 2015 – 16.

The institute's mission, in estabishing research program is iconoclastic in approach and demonstrating the much hyped world of academic research in India that go beyond the paradigm of adding to the body of knowledge.
Core competence of Dr. G.T. Thampi is in offering research problems of real time Techno-commercial-management domains and the same gets exemplified and listed as under

1. Forecasting product life cycle of Cloud Computing.
2. Ways and means of re-energizing E-governance practices by integrating Mobile communication and allied.converging technologies.
3. Investigating National productivity improvement by increased penetration of E-commerce and mobile commerce.practices.
4. Content creation for Enterpreneurship training and education.
5. Transcending Technology Education to contribute to the cause of India to evolve as a 'Total Solution Provider'
6. Investigating preparedness of Indian Industry to integrate Big Data Analytics.
7. Building efficiency in enterprises by leveraging Big Data Analytics.
8. Mass customization in Automation industry using ICT
9. Re-structuring of enterprises to integrate internet of things for offering cost arbitrage and quality arbitrage.
10. Image processing for agricultural / healthcare applications.

ADMISSION GUIDELINES

1. NUMBER OF SEATS

The college offers Bachelor of Engineering (B.E.) degree course affiliated to University of Mumbai for the duration of four years in following Branches:

BRANCH	TOTAL INTAKE	INSTITUTE QUOTA (20 %)
BIOMEDICAL ENGINEERING	30	06
BIOTECHNOLOGY	30	06
CHEMICAL ENGINEERING	60	12
COMPUTER ENGINEERING	120	24
INFORMATION TECHNOLOGY	120	24
ELECTRONICS AND TELECOMMUNICATION	60	12
TOTAL SEATS	**420**	**84**

2. ELIGIBILITY CRITERIA

2.1 Maharashtra State Candidature Candidate

i. The Candidate should be an Indian National;

ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together; and obtained score in CET conducted by the Competent Authority.

or

ii. Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

or

ii. Passed B.Sc. Degree from a Recognized University as defined by UGC and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only); and passed XII Std. with mathematics as a subject.

2.2 All India State Candidature Candidate

i. The Candidate should be an Indian National;

ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together; and obtained score in JEE Main Paper I or in CET conducted by the Competent Authority.

or

ii. Passed Diploma in Engineering and Technology and obtained at least 50 % marks (at least 45 %marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

or

ii. Passed B.Sc. Degree from a Recognized University as defined by University Grants Commission and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) and passed XII Std. with Mathematics as a subject.

For further details, visit http://fe2016.dtemaharashtra.gov.in/ for complete information of Admission Rules to First Year Degree Course in Engineering / Technology.

3.ALLOTMENT OF SEATS

The allotment of the seats will be done on the basis of the score of MHT-CET 2018 as follows:

3.1 Maharashtra State Candidature Candidate

I All the Maharashtra state candidature candidates will be considered for allotment of seats as per their Inter-Se Merit.

ii. After completion of all the above candidates, if the seats remain vacant then such seats will be considered for allotment to the Diploma candidates based on Inter-Se Merit of MHT- CET 2018 and further, if the seats remain vacant, such seats will be considered for allotment to the Bachelor of Science candidates based on Inter-Se Merit of MHT- CET 2018.

3.2 All India Candidature Candidate

Further if the seats still remain vacant, such seats will be considered for allotment to the All India Candidature candidates based on inter-Se Merit of MHT- CET 2018 and then if the seats remain vacant on the basis of JEE (Main) 2018 – Paper I.

4. PREPARATION OF MERIT LIST

4.1 Assignment of Merit Number

a. For Maharashtra State Candidate, All India Candidate and Jammu and Kashmir Migran

The merit list for the eligible candidates, shall be prepared on the basis of marks or score candidate in the MHT-CET 2018 conducted by the Competent Authority.

Provided that, in case of tie, the relative merit of candidates shall be resolved in the foll preference and the methodology as specified below:

i. higher marks in Mathematics at MHT- CET 2018;
ii. higher marks in Physics at MHT- CET 2018;
iii. higher percentage of marks in Board or qualifying examination for Physics, Mathematics taken together;
iv. higher percentage of marks in the subject of Mathematics at HSC;
v. higher percentage of marks in the subject of Physics at HSC;
vi. higher percentage of marks in Aggregate at HSC;
vii. Candidate's Date of Birth (Elder Candidate will be given preference).

b. For Diploma and bachelor of Science candidates.

The merit list of Diploma and Bachelor of Science candidates shall be prepared on the basis marks obtained by the candidate, on the basis of which Diploma / Degree is awarded by authority.

Provided that, in case of tie, the relative merit of the candidates shall be resolved in the fol preference and the methodology as specified below-

i. higher percentage of marks in SSC;
ii. higher percentage of marks in Mathematics at SSC;
iii. higher percentage of marks in Science at SSC;
iv. higher percentage of marks in English at SSC.

4.2 Change of Marks due to verification

If the marks in the qualifying examination are modified due to verification and the same is duly concerned Competent Authority or Maharashtra State Board of Secondary and Higher Secon the same shall be reported to the Principal immediately in written. However, the effect of such will be taken into consideration only from the subsequent rounds of admission.

4.3 Method of calculating marks at qualifying examination for deciding eligibility

While deciding the eligibility of the Candidates following procedure shall be adopted:—

i. The percentage of marks shall be calculated by rounding off to nearest integer i.e. if the perc comes out to be 44.50% to 44.90% then it shall be rounded to 45% and if the percentage of m to be 44.01% to 44.49% shall be rounded to 44% for deciding the eligibility.
ii. In case the maximum marks in an individual subject is other than 100, convert the mark individual subject without rounding, if sum of the converted marks of individual subjects w off works out to be a figure with fraction then fraction up to two decimal places shall only b calculation of percentage of marks considering maximum marks as 300 and, if the perce fraction, then rounding off shall be done as above to decide the eligibility.
iii. If letter grades are assigned at SSC, HSC, Diploma, Bachelor of Science or its equivalent e Candidate must submit the certificate of conversion of letter grades into equivalent

5. ADMISSION PROCESS

In accordance with the advertised date on the website and the advertisement in the newspapers, candidate has to follow the following steps for obtaining a seat in the interested degree program.

i. The eligible candidates shall obtain Application Kit from TSEC Office after payment of the application processing fees.
ii. The Application Kit includes the following:
A data sheet for admission details.
Admission form.
A brochure detailing the information required for securing admission in TSEC.
iii. The Application Kit is Non-Transferable and application processing fees is Non-Refundable.
iv. The eligible candidate needs to submit the completely filled data sheet along with a set of self-attested photocopy of all relevant documents to the college on or before the date of final submission as mentioned in advertisement and college website.
v. Candidate can claim only one type of candidature while submitting the data sheet for securing admission.
vi. After submission of the data sheet, the information submitted by the candidate will be final and cannot be changed.
vii. Any falsification found in data submitted by the candidate for seeking admission shall result in cancellation of the candidature from the admission process.
viii. All Merit Lists of the eligible candidates will be displayed on the College website and notice board as per the given schedule.
ix. In case of any discrepancy found in the Provisional Merit List, the candidate can submit the grievances in written along with the required documents within the specified grievance period given in the schedule.
x. On the day of admission round, the candidates should submit the following:

- Duly filled Admission form.
- Originals of all relevant documents.
- A passport-size recent photograph.
- DD of College Admission fees mentioned in the brochure.
- Three sets of un-attested photocopy of all relevant documents (delayed submissions shall be allowed sparingly on prior approval by college authority).

6. DOCUMENTS REQUIRED

Following are the mandatory documents that needs to be submitted by each candidate seeking admission to first year engineering course in TSEC, through the institute round.

i. DTE Registration Form acknowledged by the Facilitation Centre.
ii. Score Card of MHT-CET 2018 / JEE (Main) 2018 Paper 1.
iii. Statement of Marks obtained at S.S.C./X or its equivalent qualifying examination.*
iv. Passing certificate at S.S.C. / X or its equivalent qualifying examination
v. Statement of Marks obtained at H.S.C./XII or its equivalent qualifying examination.*
vi. Passing certificate at H.S.C. / X or its equivalent qualifying examination
vii. Statement of Marks obtained at Diploma or its equivalent qualifying examination for diploma candidates.
viii. Passing certificate at Diploma or its equivalent qualifying examination
ix. Statement of Marks obtained at Bachelor of Science or its equivalent qualifying examination for B.Sc. candidates.
x. Passing certificate at Bachelor of Science or its equivalent qualifying examination
xi. College Leaving Certificate (H.S.C.) or Transfer Certificate.
xii. Aadhaar Card of the candidate.
xiii. Birth certificate of the candidate.
xiv. Domicile certificate fo the candidate or parents, whichever is applicable.
xv. The certificate of Indian Nationality (if nationality is not mentioned in the College Leaving Certificate)
xvi. Eligibility certificate from Mumbai University (If passed qualifying examination from any board other than Maharashtra Board)
xvii. Physical Disability certificate (if applicable)

7. RETENTION OF ORIGINAL CERTIFICATES

If the candidate is offered admission, his or her original College Leaving Certificate (post qualifying examination) and Statement of Marks at the qualifying examination will be retained by the College. Against which retention certificate will be issued to the candidates willing to apply elsewhere. These two original certificates will not be returned to any candidate once admitted to a course unless the candidate cancels his or her admission or completes the entire course.

8.FEES, CANCELLATION AND REFUND

The Interim Fee structure for the academic year 2016-17 shall be as follows:

Sr. No.	Particular	Amount (Rs.)
1	Tuition Fees *	129545
2	College Development Fees	12955
3	Mumbai University Enrolment/Eligibility Fees	220
4	Marksheet Verification Fees	100
5	Mumbai University Other Fees	536
6	B. U. Exam Fee (Sem I and II)	2000
7	Insurance	701
	Total	146057

MODE OF PAYMENT OF FEES

*Interim Fees for the academic year 2016 – 17 shall be subject to change as per the decision of the Fee Regulation Authority. The Final Fee approved and published by the Fee Regulating Authority for that year shall be the fee payable by the candidate for the course for that academic Year.

- The candidate who has been offered a seat in the college shall pay the prescribed fees in the form of D.D.(Demand Draft) / Pay Order / Bankers Cheque of any schedule bank only, drawn in favor of **"THADOMAL SHAHANI ENGINEERING COLLEGE"** payable at **MUMBAI.**
- No other mode of payment shall be permitted.
- The fees shall be paid by the admitted candidate during the process of admission as per the guidelines given.

CANCELLATION OF ADMISSION AND REFUND OF FEES

The candidate should have taken admission by paying necessary tuition fee and should have submitted original certificates before he/she applied for cancellation. In case candidate fails to submit any of the original documents within the allowed time limit i.e. 4 working days after the date of admission, the admission shall be treated as cancelled. Refund of fees shall not be applicable to such candidates. Delayed submissions of the original documents shall be allowed sparingly on prior approval by college authority.

If the candidate desires to cancel his or her admission for any reason whatsoever during the Admission Process, he or she shall be allowed to do so and it shall be presumed that admission is cancelled at that stage.

The candidate desirous of canceling admission after the admission rounds shall apply for cancellation in writing and shall also give the reason for cancellation of admission.

The candidate cancelling admission shall forfeit the candidature and no longer be considered for the admission offered by the Competent Authority during the current year and fees shall be refunded to the candidate after deducting an amount as prescribed by State Common Entrance Cell, Directorate of Technical Education.
The refund of fees before the cut-off date of admission shall be made within two days after deduction of the processing charges of Rs.1000/- (Rupees One Thousand Only).

If the admission is cancelled after the cut-off date of admission, there shall be no refund.

9.MISCELLANEOUS

- The medium of instruction for degree course in Engineering and Technology is English.
- Admission of candidate (other than those passed HSC from Maharashtra Board) who has been admitted will be treated as finally confirmed only on production of the Eligibility Certificate from the University of Mumbai.
- Physical fitness : Head of the institution at his or her discretion may refer any candidate to the appropriate medical authority for ascertaining the physical fitness of the candidate to undergo the requirements of the course. The report of medical authority shall be submitted to the Regional Head of Technical Education for further necessary action. It is to be noted that physically handicapped candidates are not provided with any additional facilities as far as academic activities pertaining to the course are concerned.
- Head of the institute may verify the antecedents of any candidate through the appropriate police authority.
- The report received from police authority shall be submitted to the Regional Head of Technical Education for further necessary action.
- Any issue not dealt herein above will be dealt with, when arising, fully and finally by the Principal

10.HOSTEL ACCOMMODATION

Hostel facility is not available in the campus. However assistance shall be extended to the students seeking accommodation in Mumbai suburbs.

11.CONDUCT AND DISCIPLINE

- Failure of the candidate in making full and correct statements in the application form and/or suppression of any information and/or submission of false documents shall lead to disqualification of the candidate from the entire admission procedure. Such candidate will be debarred from the examination as well as the entire selection process. Therefore the candidate is required to make only such claims which could be substantiated by relevant original documents.
- Notwithstanding anything contained in these guidelines, if the Government takes any policy decision pertaining to F.E. admissions, then the same shall be brought into effect at that point of time as per the directives from the Government from time to time.
- The students while studying in college, if found indulging **in anti-national activities** contrary to the provisions of Acts and Laws enforced by Government or in any activity contrary to rules of discipline, will be liable to be expelled from the College without any notice by the Principal of the College.

Action Against Ragging

a. Ragging within or outside of any educational institution is prohibited.

b. Who-so-ever directly or indirectly commits, participates in, abets, or propagates ragging with in or outside any educational institution shall, on conviction, be punished with imprisonment for a term up to 2 years and / or penalty which may extent to ten thousand rupees.

c. Any student convicted of an offense of ragging shall be **dismissed** from the educational institution and such student shall not be admitted in any other education institution for period of five years from the date of order of such dismissal.

d. Whenever any student or, as the case may be, the parent or guardian or a teacher of an education institution complains, in writing, of ragging to the head of the educational institution, the head of the institution shall, without prejudice to the foregoing provisions, within seven days of the receipt of the complaint, enquire into matter mentioned in the complaint and if, prima facie, it is found true, suspend student who is accused of the offence, and shall, immediately forward the complaint to the police station having jurisdiction over the area in which the educational institution is situated, for further action. Where on enquiry by the head of the education institution, it is found that there is no substance, prima facie, in the complaint received; he/she shall intimate the fact in writing to the complainant. The decision of the head of the institution shall be final.

e. If the head of educational institution fails or neglects to act in the manner specified in section "d" above when a complaint of ragging is made, such person shall be deemed to have abetted the offence and shall, on conviction, be punished as provided for in section "b" above.

All the admitted candidates are required to submit Antiragging pledge within 15 days of joining first year engineering. Onus of submitting the pledge lies wholly on the candidate.
http://antiragging.in/site/affidavits_registration_form.aspx

12. UNDERTAKING

All candidates who have applied for admission shall be deemed to have submitted the following undertaking:

I have read all the Rules of Admission and after understanding these rules thoroughly, I have filled-in the application form for admission for the current year.

The information given by me in my application is true to the best of my knowledge and belief. I understand that if any of the statements made by me in the application form or any information supplied by me in connection with my admission is later on at any time, found to be false or incorrect, my application will be cancelled, fees forfeited and I may be expelled from the College by the Principal.

a) I have not been debarred from appearing at any examination held by the Government Constituted or Statutory Examination Authority in India.

b) I fully understand that the offer of a course will be made to me depending on my inter se merit and availability of a seat at the time of scrutiny of my application, when I will actually report to the admission authority according to the schedule of admission.

c) I understand that no document after the last date of submission will be entertained for the purpose of claims or concessions etc. in connection with my admission unless otherwise mentioned in the rules.

d) I am fully aware that the Competent Authority or its representative will not make any correspondence. with me regarding admission. I am also aware that it is entirely my responsibility to see the notice board and Web-site of concerned Admission Centre.

e) I am aware that any rule imposed by the University such as "imposing limits on the number of attempts permission to pass any examination" shall be binding on me.

f) I hereby agree to confirm to any Rules, Acts, and Laws enforced by Government and I hereby undertake that I will do nothing either inside or outside the College which may result in disciplinary action against me under these Rules, Acts, Laws referred to.

g) I fully understand that the Principal of College, has right to expel me from the College for any infringement of the rules of the conduct and discipline prescribed by the College or University or Government and the Undertaking given above.

h) Condition of minimum attendance: I am fully aware that my Academic Term shall not be granted and I will not be allowed to appear for examination if I do not attend minimum 75 percent classes of theory, practical, drawing etc. (100% attendance will be appreciated). I am also aware that I will not be allowed to appear for the examination, if I fail to submit satisfactorily all the assignments, jobs, journals, drawings, reports as specified by the University within the stipulated time limit.

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

New Delhi
NOTIFICATION
Dated 01-07-2009
Sub: Prevention and prohibition of Ragging in technical
Institutions, Universities including deemed to be Universities imparting technical education.

F.No.37-3/Legal/AICTE/2009 – In exercise of the powers conferred under Section 23 read with Section 10 (b), (g), (p) and (q) of AICTE Act, 1987, the All India Council for Technical Education, hereby makes the following Regulations:-

These Regulations may be called the All India Council for Technical Education (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009.
They shall come into force on the date of the notification.

In view of the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009 to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or ..
showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the All India Council for Technical Education,(AICTE) brings forth these Regulations.

3.Definitions:-
"Act" means the All India Council for Technical Education Act 1987 (52 of 1987);

"Technical Institution" means an institution of Government, Government Aided and Private (self financing) conducting the courses/programmes in the field of technical education, training and research in Engineering, Technology including MCA, Architecture, Town Planning, Management, Pharmacy, Hotel Management & Catering Technology, Applied Arts & Crafts and such other programmes and areas as notified by the Council from time to time;

'University" means a University defined under clause (f) of section 2 of the University Grants Commission Act, 1956 and includes an institution deemed to be a University under section 3 of that Act.

"Academic year" means the period from the commencement of admission of students in any course of study in the institution up to the completion of academic requirements for that particular year.

"Head of the institution" means the Vice-Chancellor in case of a university or a deemed to be university, the Principal or the Director or such other designation as the executive head of the institution or the college is referred.

"Fresher" means a student who has been admitted to an institution and who is undergoing his/her first year of study in such institution.

Words and expressions used and not defined herein but defined in the Act or in the General Clauses Act, 1887, shall have the meanings respectively assigned to them in the Act or in the General Clauses Act, 1887, as the case may be. And

All other words and expressions used herein and not defined but defined in the All India Council for Technical Education Act, 1987 (52 of 1987), shall have the meanings respectively assigned to them in the said Act;

4. What constitutes Ragging: -
Ragging constitutes one or more of any of the following acts:

any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;

indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;

asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;

any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.

any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;

any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

any act or abuse by spoken words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;

any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

5. Measures for prevention of ragging:-

It shall be mandatory for every technical Institution, University, deemed to be University imparting technical education to take following measures for prevention of ragging at such institutions.

1. The advertisement issued for admission by a technical institution, University including Deemed to be University concerned and/or the admission authority/ affiliating University/State Govt./UT/Central Govt. as the case may be, shall clearly mention that ragging is totally banned and anyone found guilty of ragging and/or abetting ragging is liable to be punished.
2. The 'Prospectus' and other admission related documents shall contain directions of the Supreme Court Affiliating University/admission Authority/State Govt/Central Govt. shall make it mandatory for the institutions under their jurisdiction to compulsorily incorporate such information in their 'Prospectus'. These Regulations shall be printed in the brochure of admission/instruction booklet for candidates.
3. The application form for admission/enrolment shall have a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages. The affidavit should be filled up and signed by the candidate to the effect that he/she is aware of the law regarding prohibition of ragging as well as the punishments, and that he/she, if found guilty of the offence of ragging and/or abetting ragging, is liable to be punished appropriately.

4. The application form shall also contain a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages and the affidavit should be signed by the parent/guardian of the applicant to the effect that he/she is also aware of the law in this regard and agrees to abide by the punishment meted out to his/her ward in case the latter is found guilty of ragging and/or abetting ragging.

5. The application for admission shall be accompanied by a document along with the School Leaving Certificate/Character Certificate which shall include a report on the behavioral patter of the applicant, so that the institution can thereafter keep intense watch upon the student who has a negative entry in this regard.

6. A student seeking admission to the hostel shall have to submit another affidavit along with his/her application for hostel accommodation that he/she is also aware of the law in this regard and agrees to abide by the punishments meted out if he/she is found guilty of ragging and/or abetting ragging.

7. Every technical institution, University including Deemed to be University imparting technical education shall maintain a proper record of the affidavits obtained to ensure its safe up keep thereof, including digital copies of the affidavits and such digital copy should be made available to the AICTE or to an Agency identified/nominated by AICTE.

8. The AICTE or an Agency identified/nominated for the purpose and affiliating Universities and Directorate of Technical Education of the concerned State Govt./UT shall maintain an appropriate data base of the affidavits in the digital form obtained from every student at the time of admission to the technical institutions, Universities including Deemed to be Universities imparting technical education.

9. Each batch of freshers should be divided into small groups and each such group shall be assigned to a member of staff. Such staff member should interact individually with each member of the group on daily basis to ascertain the problems/difficulties, if any faced by the freshers in the Institution and extend necessary help.

10. In case of freshers admitted to a Hostel it shall be the responsibility of the teacher in charge of the group to co-ordinate with the warden of the Hostel and to make surprise visits to the rooms in the hostel where the members of the group are lodged. Fresherss hould be lodged in a separate hostel block wherever possible and where such facilities are not available, the college/institution shall ensure that seniors' access to fresher's accommodation is strictly monitored by wardens, Security Guards and Staff.

11. Every institution should engage or seek the assistance of professional counselors at the time of admissions to counsel 'fresher' in order to prepare them for the life ahead, particularly for adjusting to the life in hostels. At the commencement of the academic session the Head of the technical Institution, University including Deemed to be University imparting technical education shall convene and address a meeting of various functionaries/agencies, like Wardens, representatives of students, parents/guardians, faculty, district administration including police, to discuss the measures to be taken to prevent ragging and steps to be taken to identify the offenders and punish them suitably.

Notes

Institutions Managed By The Board

1.Rishi Dayaram National College of Arts and Science, Bandra (W), Mumbai – 400 050.

2.Kishinchand Chellaram College of Arts and Science, Churchgate, Mumbai – 400 020.

3.Kishinchand Chellaram Law College, Churchgate, Mumbai-400020.

4.Hassaram Rijhumal College of Commerce and Economics, Churchgate, Mumbai-400020.

5.Smt. Mithibai Motiram Kundnani College of Commerce & Economics, Bandra (W), Mumbai-400050.

6.Smt. Chandibai Himathmal Mansukhani College of Arts, Science and Commerce, Ulhasnagar-421003.

7.Bombay Teachers' Training College, Colaba, Mumbai-400005.

8.Prin. K.M. Kundnani College of Pharmacy, Cuffe Parade, Mumbai-400005.

9.Gopaldas Jhamatmal Advani Law College, Bandra (W), Mumbai-400050.

10.Watumull Institute of Electronics Engineering and Computer Technology, Worli, Mumbai-400018.

11.Thadomal Shahani Engineering College, Bandra (W), Mumbai-400050.

12.HSNCB's Dr. L.H. Hiranandani Pharmacy College, Ulhasnagar-421003.

13.HSNCB's H. & G. Himatmal Mansukhani Institute of Management, Ulhasnagar-421003.

14.Nari Gursahani Law College, Ulhasnagar-421003.

15.Prin. K.M. Kundnani Pharmacy Polytechnic, Ulhasnagar-421003.

16.K.C. College of Management Studies, Churchgate, Mumbai-400020.

Admission Brochure for the academic year

2017 - 18

THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

THADOMAL SHAHANI ENGINEERING COLLEGE

PROSPECTUS
2017 - 18

MEMBERS OF THE GOVERNING BODY

1. Mr. Anil Harish
President
Hyderabad (Sind) National Collegiate Board

2. Mr. Niranjan Hiranandani
Immediate Past President
Hyderabad (Sind) National Collegiate Board

3. Mr. Kishu H. Mansukhani
Past President
Hyderabad (Sind) National Collegiate Board

4. Prof. J.K.Bhambhani
Rector & Secretary
Hyderabad (Sind) National Collegiate Board

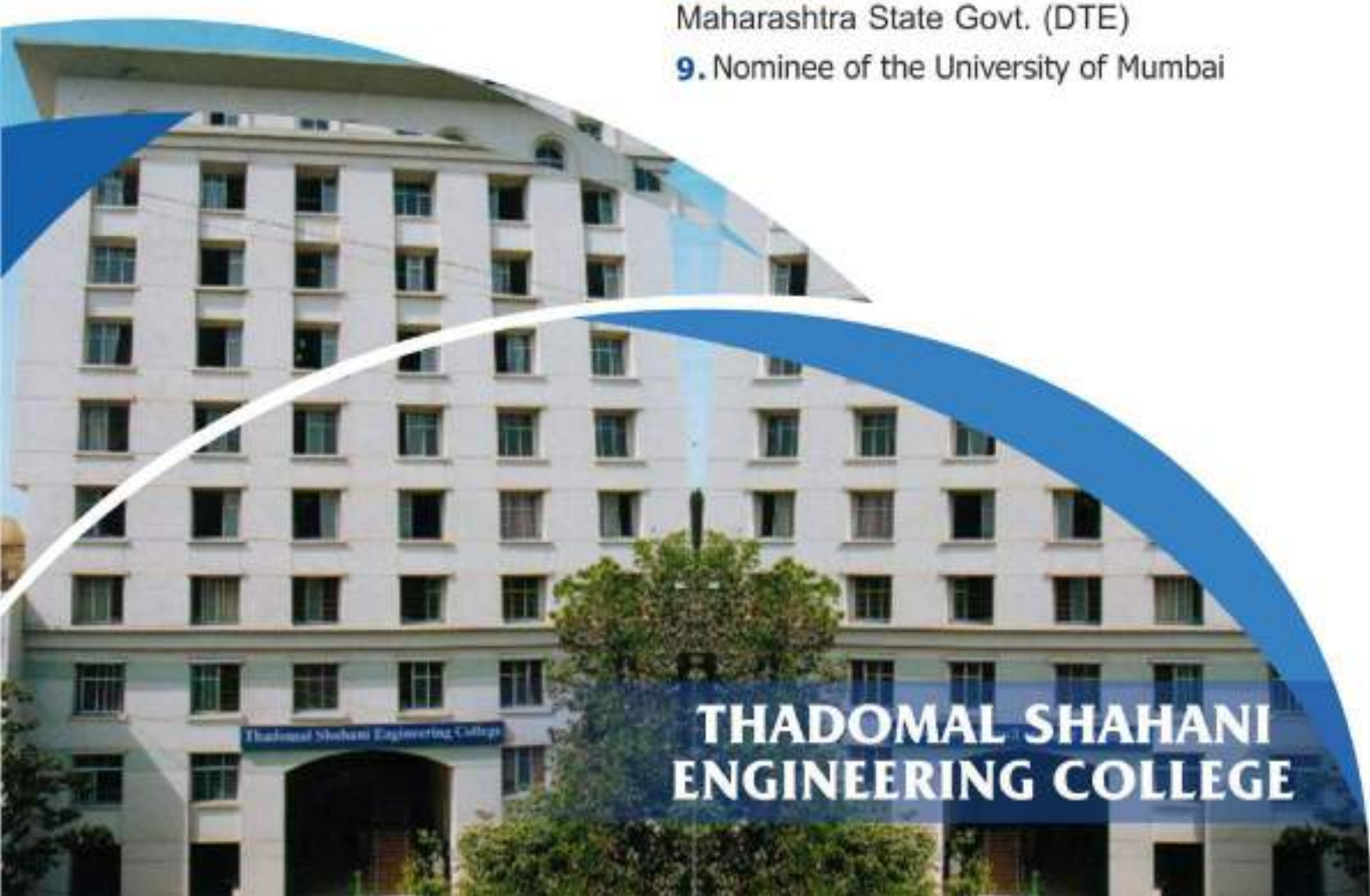
5. Mrs Maya Shahani
Hyderabad (Sind) National Collegiate Board

6. Prof. (Dr.) G. T. Thampi
Principal & Member Secretary

7. Director
Regional Officer (WRC), AICTE, Churchgate,
Nominee of the Central Govt.(AICTE)

8. Director
Maharashtra State Govt. (DTE)

9. Nominee of the University of Mumbai



THADOMAL SHAHANI ENGINEERING COLLEGE

VISION

Perpetuating and transcending the processes of

- Contributing to evolving supply chain of human capital for National Economy.
- Creating entrepreneurs and 'game changers' to support heightened level of economic activities underpinning ever increasing human aspiration.
- Helping the nation evolve as a total solution provider.
- Value and wealth creation for the mankind.

MISSION

Focusing and practicing

- Product and processes innovation.
- Leveraging human cognitive and behavioral science for creating instructional content.
- Pervasive and ubiquitous Information Communication Technologies for customized content for learning.
- Acknowledge and facilitate various learning styles and learning abilities.
- Migrating from teaching paradigm to learning paradigm.
- Every day discourse shall inculcate research culture and further the cause of societal advancement.
- Understand various markets and cultures.
- Collaborative learning and emotional integrity.
- Sensitizing about opportunities in Energy, Education, Environment and Health care sectors.
- Extensively promoting computer aided design, analysis and manufacturing procedures.
- Theoretical rigor to develop conceptual clarity.
- Modeling and design of experiments to inculcate culture of investigation.
- Creating foot print on project management and collaborative human endeavour.
- Interdisciplinary studies and exposure to functional areas.

“4 Years, 40 Subjects, 400 Experiments, 4000 Assignments, 40000 hours A normal human being CANNOT do it. Those superheroes are called ‘ENGINEERING STUDENTS’,,

FROM THE PRINCIPALS DESK

My heart goes to all the aspiring students, the graduate students and I am jotting down the following.

You are in the cusp of entering a world of infinite possibilities; your capacity to remain focus and stay the course shall take you to a different productive orbit. The current level of higher education doesn't acknowledge the pervasive internet and resources available with it. Going forward we are expected to bridge this gaps. We as educational and training institutes are expected to create a supply chain of intellectual capital with high degree of emotional integrity.

The very technologies that improve the lives of millions have the side effects of bringing unprecedented fragility into the system. Never before the world been so inter connected, with the consequences that a small disturbance in one place can leave vary rapidly to large effects in another or generalized cascades.

You are expected to have psychological sensitivity to succeed in the vast, hugely heterogeneous inter connected world. Participate in entrepreneurial ventures and subject yourself to training and experiment with the process of wealth creation underpinning the culture of risk taking. The internet has the greatest single disruption in the way we organize, access, process and re circulate knowledge. The idea that knowledge, could be accumulated, assimilated, stored permanently and meant accessible free of cost for the most part, at the click of button anywhere in the world, is a truly radical one. My heartfelt congratulations and best wishes go to all the aspiring and the graduate students.

Dr. G.T. Thampi
Principal, TSEC

Think like an ENGINEER

DREAM BIG. BE DIFFERENT. HAVE FUN

Use systematic thinking to solve everyday challenges & unlock the inherent values in them

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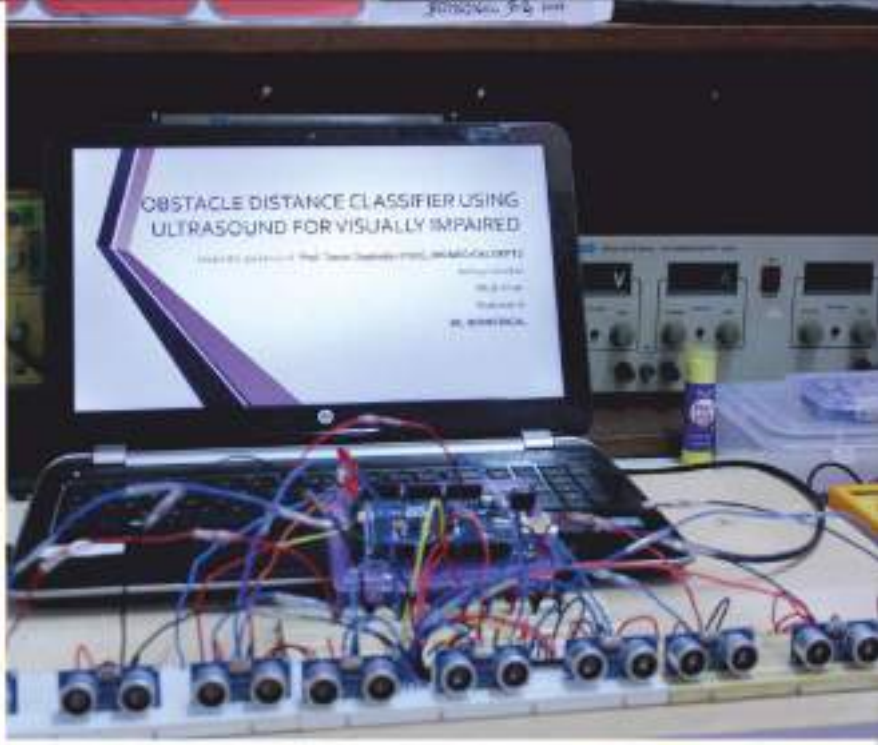
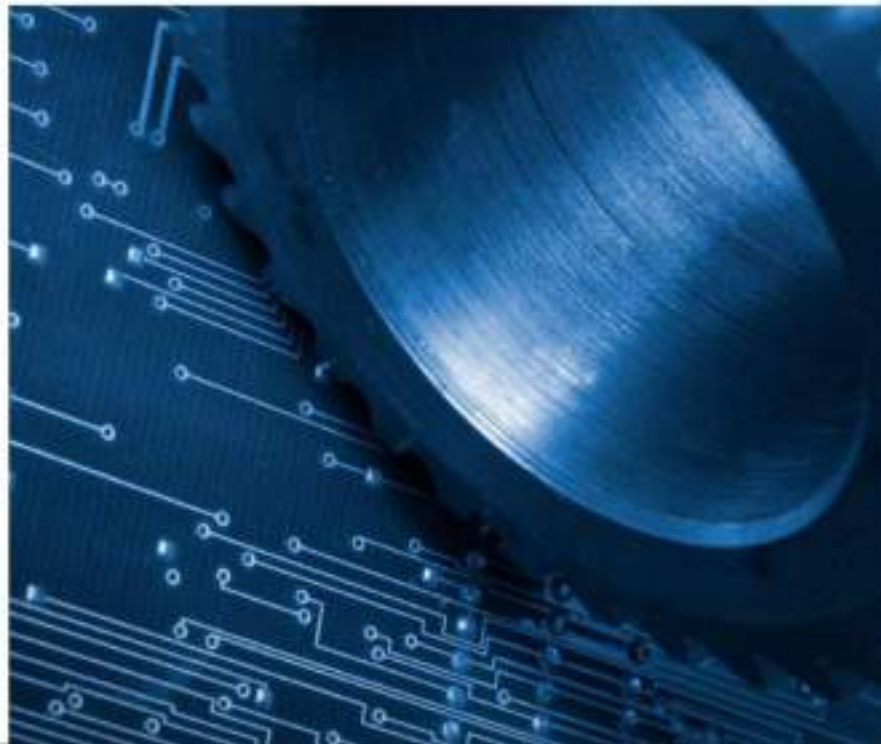




THE GENESIS

Barrister Hotchand
Gopaldas Advani

Padmabhushan
Dr. L.H. Hiranandani

Principal Khushiram
Motiram Kundnani

The Hyderabad (Sind) National Collegiate Board well known as HSNC board is a charitable trust established by Sindhi Community in 1949. The HSNC Board has roots going back over 60 years. The board was managing the National College in Hyderabad (Sind) long before partition of India. In true spirit of their times the members of the Board worked to ensure the nations' integrity and honour during the National Movement of Indian Independence. After the Partition of the country in 1947, the members of Sindhi Hindu Community migrated to India. Principal K.M. Kundnani, with the vision and mission to promote participation in education, initiated the efforts for starting a college in Mumbai. With active support and encouragement from Late Barrister Hotchand G. Advani the Hyderabad (Sind) National Collegiate Board came into existence in 1949 at Mumbai. Late Barrister H.G. Advani was the Founder President and Late Principal K.M. Kundnani was the Founder Secretary and Founder Principal of the first college started by the board and known as the Rishi Dayaram National College, Bandra, Mumbai.

Since then the Board has been offering unique pre-degree study, undergraduate and post graduate degrees in a wide range of programs. It has produced professionals' par excellence in the fields of Arts, Science, Commerce, Management, Education, Law, Engineering, Technology and Para-Medical.

TSEC PROFILE

Established in 1983, Thadomal Shahani Engineering College is founded by the Hyderabad (Sind) National Collegiate Board. Thadomal Shahani Engineering College (TSEC) is recognized by the Government of Maharashtra. This college is approved by the All India Council for Technical Education (AICTE), affiliated to the University of Mumbai.

Four-year Bachelor of Engineering (B.E.) Degree program.

- **Biomedical Engineering**
- **Biotechnology**
- **Chemical Engineering**
- **Computer Engineering**
- **Information Technology**
- **Electronics & Telecommunication Engineering**

Doctor of Philosophy (Ph.D.) program.

- **Computer Engineering**
- **Information Technology**
- **Electronics & Telecommunication Engineering**

Ranking by third party (without seeking our advertisement)

In the recent past, at least three occasion our engineering college got placed 2nd or 3rd after IIT Mumbai and or VJTI in
- 2011 by "The Week"
- 2014 by "DNA Educational Magazine"
- 2015 by "RAND", American Corporation

Methodology of Ranking
All these print media came to conclusion by industry survey and outcome based evaluation by industrial behemoths and by peers.

Catching with IIT's

Evolving global market place surprised us in getting a compensation of Rs. 35 lakhs/annum to two of our students, one each from information technology and computer engineering during the last dawn placement season (2015 – 2016). Market place also rewarded our students handsomely by offering 16 lakhs and above 9 lakhs to multiple aspiring candidates.

Preprocessing for achieving your dreams, leveraging our platform as your launching pad

Core competency in coding/ programming (conversion of problem to logic) expected from graduates aspiring for high end jobs and we consciously create an ecosystem where pupils thrives on the most complex processes of coding which consumes high cognitive load.

DEPARTMENT OF BIOMEDICAL ENGINEERING

The Department of Biomedical Engineering at TSEC was established in 1983 under the University of Mumbai. The Department aims to impart not only fine technical knowledge but also social education to mould students to become well rounded citizens, thus producing high quality, distinguished engineers and successful practitioners of Biomedical Engineering.

Biomedical Engineering (BME) program integrates engineering and medical principles to improve healthcare diagnosis and treatment. Biomedical Engineering focuses on theoretical and practical aspects of medical technology, instrumentation design and application of engineering methods into hospital design, patient care and healthcare information system. The students also gain the understanding of advanced technologies like, Embedded Systems, VLSI, Biomedical Microsystems, Robotics in Medicine, Rehabilitation Engineering etc.

The department has a team of very enthusiastic and competent faculty who take up the ownership of motivating the students and work hard for the development of student personality, initiative and creativity. The faculty is highly qualified and is carrying out research activities in upcoming fields of Biomedical Engineering. They have presented research papers in international and national conferences, delivered guest lectures both in the academia and industry and organized national seminars and workshops. They also participate in advanced training and development activities to keep abreast of the latest developments in their specific subjects. Under their guidance students have not only participated in international conferences all over the world but also have written technical papers in reputed journals.

The strength of our department is well equipped laboratories and sophisticated biomedical equipments, demonstration equipments and trainer kits which help in simplifying the basic working and design principles. The department has regularly been receiving University Grants for implementation of innovative and socially relevant projects.

The department's long-standing and active collaboration with various reputed hospitals (Lilavati, Hinduja, KDAH, Jupiter, KEM, Nanavati, Kohinoor, etc.), institutes like IIT-Bombay, BARC, TIFR and companies like Tata-Elxsi, Philips, Siemens, GE, Applied Materials, Yogi Kripa Medi Chem Pvt Ltd., Imaginarium, etc have enabled students to obtain internships, carry out innovative projects and secure promising careers. Eminent resource persons from these institutions are regularly invited to the department for delivering seminar talks and conducting workshops on current topics.

Most of our students pursue higher education in India and abroad. The alumni hold esteemed positions in reputed companies, hospitals and research organizations in India and abroad. With the futuristic vision of the requirements of Healthcare industry, some of them have become successful entrepreneurs thereby contributing to the biomedical domain in India. With the government pushing for **Make in India**, there will be a boost in manufacturing medical equipments in the country for which there will be a huge demand for skilled biomedical engineering professionals.

DEPARTMENT OF CHEMICAL ENGINEERING

Department of Chemical Engineering, TSEC was established in 1983. It has a long and distinguished history of successfully educating leaders for a wide variety of industries. The department strives to impart high quality technical education with a delicately striking balance of fundamental knowledge, practical exposure and novel concepts.

We believe in providing our students with conducive environment that enables them to identify and pursue their personal and professional goals. We strive to provide education that combines conceptual learning and the excitement of discovery with the support and intellectual stimulation of a diverse campus community. The department is committed to achieve excellence and evaluates the success and leadership of its programs using the highest standards of quality and innovation.

The department is well-equipped with the state-of-the-art infrastructure and laboratories as per Mumbai University Syllabi. The department has highly qualified core faculty with an incredible professional profile to meet the emerging trends and challenges in the field of chemical engineering and allied areas on a global platform. The students undertake projects in final year usually in subjects like modelling and simulation, unit operations, polymers, pollution control and design of process industries. Many of the projects have led to publication. The department has also received AICTE -MODROB grant for two consecutive years 2012-13 and 2013-14 and minor university grant in the year 2015-16.

The department has produced university toppers with regular consistency. The department emphasizes on all round development of its students; proof of which are the numerous instances where the students have made the college proud by winning laurels in various national level technical and nontechnical competitive events in the face of tough competition. Also our students have consistently won TSEC prestigious Gold Medal Award. Today our alumni not only work in many revered organizations like Reliance, Aker Power Gas, Toyo Engineers, Tata Consulting Engineers, SNC Lavalin to name a few, at responsible positions but also many have turned into successful entrepreneurs.

DEPARTMENT OF BIOTECHNOLOGY

TSEC took an early note of rise of biotechnology as an upcoming industry in every walk of life and ventured into starting undergraduate engineering degree programme in Biotechnology under the University of Mumbai.

Biotechnology is an amalgam of pure biological sciences and chemical engineering principles made applicable in making human life more comfortable and eco friendly. Biotechnology Engineering involves scientific manipulation of biological systems at genetic and molecular level to innovate products and to provide services in various fields to make manufacturing more viable and eco friendly.

Department of Biotechnology, TSEC focuses on various areas of study like Applied Microbiology, Biochemical Engineering, Bioprocess and Enzyme Technology, Unit operations, Plant Tissue Culture, Immunotechnology, Genetic Engineering , Bio informatics, Fermentation Technology, Downstream Processing, Bioseperation techniques, Food Biotechnology, Environmental Biotechnology and Protein Engineering.

Students are placed in the fields like drug and pharmaceutical research, environment control, waste management, food processing & bio-processing industries.

The collaboration with the various reputed organizations and institutes like Glaxo-Smith-kline pharmaceuticals Ltd, IIT-Bombay, Tata Institute of Fundamental Research, Haffkine, BARC, NIRRH, RCF, BPCL, HPCL, Bharat serums and many more have resulted in live final year projects.

DEPARTMENT OF INFORMATION TECHNOLOGY

Department of Information Technology was established in the year 1998 with a clear view of a forerunner in the field of Information Technology. The Department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized fields.

At the desktop of achievements of the department, lies the award of accreditation given by the National Board of Accreditation and also the starting of Ph.D. program in the department by the University of Mumbai. The Department has a highly qualified, dynamic and technologically sound faculty. The department is always keen in organizing seminars, workshops and symposia in emerging technological areas.

IT program focuses on preparing graduates who are concerned with issues related to users and meeting their needs within an organizational and social context through the selection, creation, application and integration of computing technologies. This course includes topics such as fundamental concepts of computing and IT, network and security, design of web pages, big data analytics, cloud computing and management of technology lifecycle.

The curriculum of program has been designed to cater to the ever changing needs and demands of IT industry. It has one of the best state-of-the-art computing infrastructures including domain-specific laboratories associated with the above technical divisions. The department provides a comfortable atmosphere in invoking the students to develop them to meet real life challenges.

Core competency of the department is Big Data Analytics and Cloud Computing. Collective consciousness of the department exhorts the pupil to remain focused to develop proficiency in "coding" (conversion of physical problem to logic).The department has good placement record and the students are placed in reputed software industries all over the world.

DEPARTMENT OF COMPUTER ENGINEERING

The Computer Engineering Department of TSEC was established in the year 1984 and has grown over the years into a competent department with state of the art computing facilities and a dedicated faculty. The goal of the department is to establish state of the art computing environment to develop competent computer engineers imbibed with the spirit of professionalism and responsible citizenship. The department emphasizes the vision of Thadomal Shahani Engineering College for excellence in education. Highly qualified, dedicated faculty and good infrastructure facilities make this dream realizable.

The Department has continuously upgraded the infrastructure to keep abreast with the technological advancement. The Department has a rich infrastructure with more than 300 branded machines of latest configuration. Internet browsing lease-line connectivity of 12 Mbps dedicated line for every laboratory and faculty room is provided. Good interaction with the industries is maintained so that the students also have better exposure to the professional environment and its needs. This also helps in bridging the gap between the academics and industry requirements so that our students have preference in industrial arena. In order to keep up with the cutting edge technologies, department has a digital library facility with reputed International and National Journals like Science Direct.

The students are focused with the use of conceptual understanding of core domain areas in computing as well as enhanced programming skills disseminating their analytical abilities. Our aim is to provide our students lifelong learning and leadership skills that enable them to grow in their professions and advance to the positions of responsibility by effective Industry-Institute interaction. The Department has an excellent placement record and the students are placed in prestigious software industries all over the world.

One of the recent achievements of the Department is the start of research program (Ph. D.).

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Department of Electronics and Telecommunication was established in year 2002 with a clear view of a forerunner in the field of Telecommunications, the department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized communication related fields. This Department earlier had nomenclature of Electronics Engineering from 1983 to 2001.

A highly qualified, experienced, dynamic and technologically sound faculty with this department, endows the professional cutting edge. The department has a good record of organizing seminars, workshops, and symposia in emerging technological areas.

The curriculum of the program has been designed to cater to the ever changing needs and demands of communication industry. The focus is on holistic learning and empowering students to make significant contributions at all levels. The open elective system gives a handful of choices for students to develop expertise in their area of interest such as Neural Networks, Radar engineering, VLSI, Data compression and Encryption, Satellite communication, Image processing etc. It has one of the best state-of-the-art hardware and software laboratories with special focus on telecommunication.

Our students take up 3rd and final year project in the field of embedded systems, Controls & Automations, Signal Processing, Image Processing, Antenna, Wireless Networks, Mobile Communications under the guidance of our highly qualified , experienced faculties to meet the emerging trends and challenges in the field of Electronics & Telecommunication Engineering and its allied areas on the global platform. The department also receives grant from the University of Mumbai for the same.

Our students have shown an all round performance in technical and non-technical competitive events at state and national level. The latest example is the 'Transform Maharashtra', initiative by the Government of Maharashtra where the project ideas /themes of our students have been accepted. Our graduates are well placed in reputed industries, academic and research organization in India and abroad. The Department also offers a research program (Ph. D.).

CONTINUING EDUCATION PROGRAM / LIFELONG LEARNING,
UNLEARNING, RELEARNING PROCESSES

We take proactive measures to organize training programs to faculties to update with the new development in different technology sectors and facilitate them to develop proficiencies in newly introduced courses. As a holistic strategy to practice lifelong learning, unlearning and relearning processes, we sponsor faculties to participate in short term courses, seminars, conferences and workshops getting organized in other institutions

Teachers have been publishing technical books on the subjects of Industrial Automation, Cloud Computing, E-Governance, Entrepreneurship, E-Commerce, Mobile Computing, Optical Fiber Communication, Digital Communication, Microcomputer System Design, Applied Chemistry, Object Oriented Programming, Material Science, Communication Engineering, Signal processing, Control Systems and so on. Collective contribution of the faculty in the realm of research and investigation to further the cause of society at large and for the Industrial progress of India, is sizeable and count more than 500 publications.

CORE COMPETENCIES

- Instructional content based on cognitive load theories and epistemological consistencies.
- Leveraging visual learning to maximize the efficacy of learning process.
- Student centered institutional structure and process layout.
- System in place for continuous value addition.
- Processes which help students unleash their potential.
- World class laboratories for experimental investigation.
- Contemporary pedagogical practices in teaching learning processes.
- Evolving competency in addressing different learning abilities and styles.
- Customized learning content for heterogeneous learners.

OTHER COMPETENCIES AND VALUE PROPOSITIONS

- Perpetuating interaction amongst learners of high caliber.
- Liberal democratic ethos in the campus.
- Calibrated promotion of sports activity.
- Student council expressing their evolving collective aspirations and perspectives on various issues.

OTHER FACILITIES

- Wi-fi and Leased line of 12 Mbps Internet enabled campus.
- Canteen facility for hygienic and cost effective food.
- Spacious student lounge and libraries.
- Courteous and caring auxiliary staff.
- Neighborhood medical facility.
- High degree of parental facilitation, continual information about wards performance, sensitization of their performance index.

THE KEY DIFFERENTIATOR

- Treating and training students as evolving human capital.
- Helping them to realize their potential.
- Facilitating and modifying different learning styles and learning disabilities.
- Perpetuating the effort to create and augment customized course content to help unleash the potential of different learners.
- Our every day discourse also focuses on creating and facilitating 'Game changers'.
- We are productively researching on the ways and means of transcending technology education to help the Nation Evolve as a 'Total Solution Provider' to thrive in a carbon efficient world order.
- Facilitating them to manage their emotions to thrive in their professional life.
- Indian values driven institutional culture energizing from ancient Indus valley civilization.

SEE YOUR VISION THROUGH.

HOLISTIC PERSONAL DEVELOPMENT FOR GLOBAL MARKET PLACE

- Well laid out schema and curricula for all round personality development focusing on emotional integrity rooted on sound ethical practices.
- Promotion of Extracurricular activities to appreciate collaborative effort and group dynamics.
- Sensitizing learners about the importance of Nation Building and value/ wealth creation for the mankind at large.
- Initiating them to product and process innovation leveraging converging technologies to remain competitive in the global market place.

CII ASSOCIATION

It's an honor for our institute to be associates with Confederation of Indian Industry (CII). On 18th August 2016, the institute was felicitated by CII for patterning in enhancement of Employee availability of engineering students and competency of faculty members during education summit 2016 at the hands of Honourable Minister for Higher and Technical Education Shri. Vinod Tawade.

CONTRIBUTING TO THE SOCIETY

We are the first engineering college in Mumbai University to start the National Service Scheme (NSS) program. Projects carried out by NSS are very useful to the society as a whole and also helps students to develop all round skills which are extremely useful in this extra competitive world. The highlights the program include Blood Donation Drive, Child Care Project and Residential camp in rural area. NSS has also taken up Energy Audit of the College.

ALUMNI ASSOCIATION

TSEC Alumni Association was formed in 1994 and since then there has been constant interaction with the Almamater through carrier guidance, incubation projects. To facilitate interaction will alumni, webinars are organized and also TSEC Alumni App has been developed.

Prof.Dr. Ashwini Kunte, Vice-Principal, TSEC receiving the award on behalf of institution from education minister Shri. Vinod Tawade.

STUDENT'S PERFORMANCE AND EXTRACURRICULAR ACTIVITIES

Our students consistently excel in their academics and are known to hold rank in the University. In addition to academic excellence students also demonstrate proficiency in sports and represent the College at several inter and intra college competition at State and National Levels. The students have represented the college in the National Team of Badminton, Swimming and Rifle Shooting. Since 1995, TSEC has been hosting the "Inter-Engineering Football tournament" which presents Rotating Trophies to Winner and Runner-up teams. TSEC has also been hosting "Inter-Engineering Cultural Festival" TRIFLES, since academic year 2000, which presents a platform for students from different colleges to interact with one another.

College is recognized by the Institution of Engineers (India) and also has student chapters of IEEE (USA), IETE, ISTE, IIChE and CSI. The College has its own Management Society (MS), which conducts literary activities and prepares students for various aspects of management. It organizes a National Level debate and quiz competition annually. The society contributes towards grooming the soft-skills of the students. All these societies are extremely active and are popular with the students.

The Institute of Electrical and Electronics Engineers (IEEE) USA, an International Professional Organization, has established a student's chapter in the college which has four Society chapters viz. Computer Society Chapter, Communications Society Chapter, Engineering in Medicine & Biology Society Chapter and Industrial Electronics Society Chapter.

PROJECTS UNDERTAKEN AND FINANCIAL AID FROM AICTE

We have successfully completed two research projects on "System Automation" and "Fiber Optics Communication System" assigned by All India Council for Technical Education (AICTE), New Delhi. The College had received research grants of Rs. 5 Lakhs and Rs.5.5 Lakhs respectively for the same.

During 2011-2013, IT, Biomedical, Chemical Department and Entrepreneurship cell received Rs. 25 lakhs worth aid for modernization of laboratories under MODROB scheme. The departments have periodically received grants from the University for undertaking projects.

SCHOLARSHIP TO STUDENTS FROM VARIOUS TRUSTS

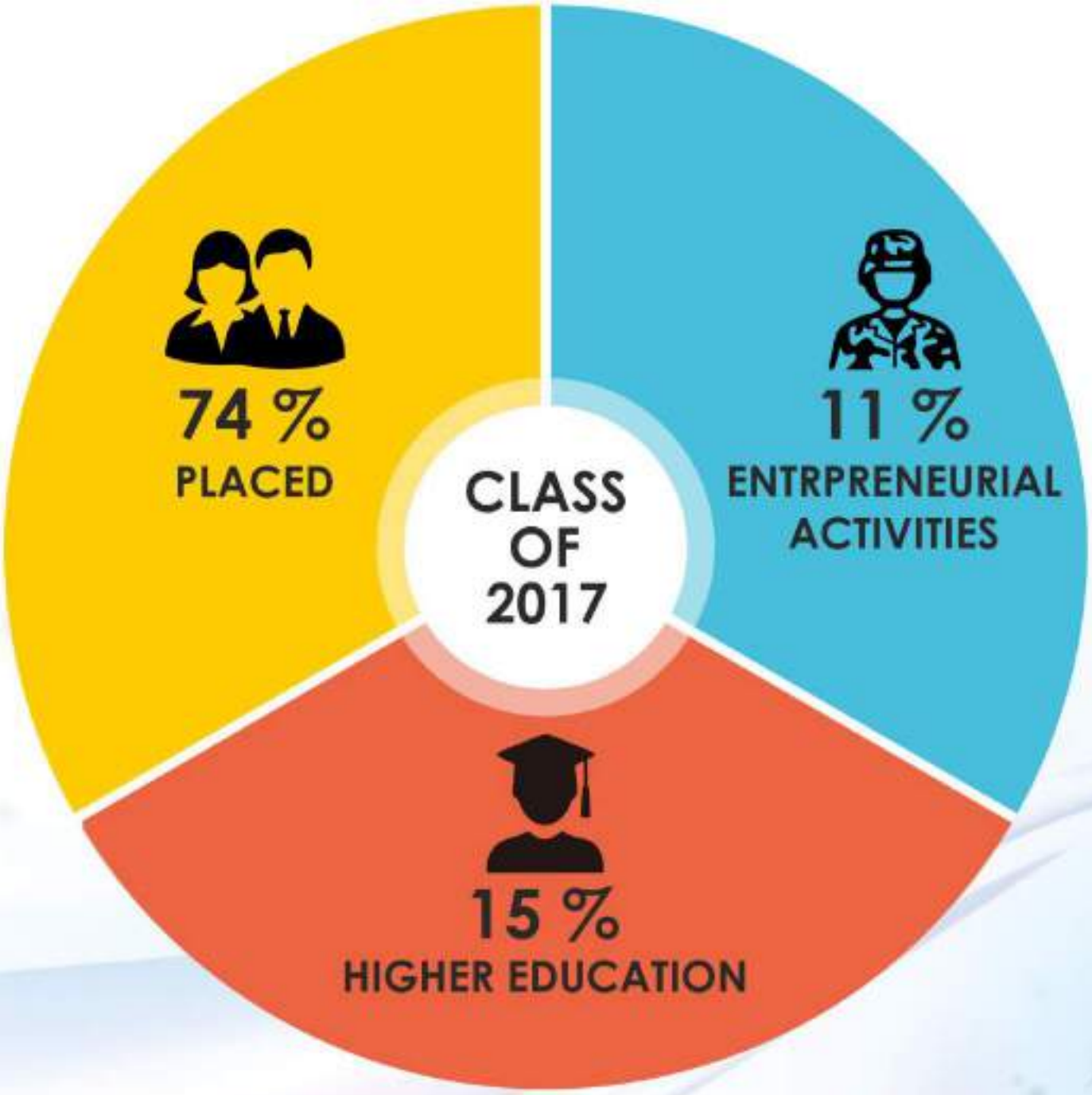
Sr. No	Academic Year 2016 -17		
	Name of Scholarship Donors	No. of Students Who Received Scholarship	Total Amount of Scholarship (in Rupees)
1	Rajashri Chatrapati Shahu Maharaj Scholarship for EBC students	99	61,40,353.00
2	Dr. Punjabrao Deshmukh, Hostel Maintenance Allowance scheme	1	30,000.00
3	Blue Star Foundation	4	2,56,328.00
4	Central Sector Scholarship	1	25,000.00
5	State Government Minority Scholarship (SGS)	68	17,00,000.00
6	Merit-Cum-Means Scholarship	9	2,25,000.00
7	Reserved Category Freeship / Scholarship	87	76,78,042.00
8	Bharat Ratna Dr. Babasaheb Ambedkar Swardha Yojna	3	1,80,000.00
9	Shree Nanikram Gulabsingh Scholarship	1	15,000.00
10	Brigadier Gulab H. Chablani Scholarship	2	79,000.00

Students Have Many Choices Of Jobs Through Multiple Offers.

CAMPUS PLACEMENTS

AND HIGHER STUDIES IN POST GRADUATES PROGRAM

TSEC enjoys high credentials amongst the top business enterprises seeking intellectual capital with high level of productivity and work culture. We succeeded in perpetuating placement / admission to post graduate programs in Engineering / Management in highly reputed national and international institutes.



TSEC is ranked one of the best Engineering College in Maharashtra

EPITOME OF RESEARCH IN TSEC

Aspiration to go up in the academic value chain provoked us to leverage the dormant academic research abilities to play a creative role in starting the PhD program in our institute.

PhD program in Information Technology was started in the institute during the academic year 2012 – 13 with an intake capacity of 10 students. Institute has also started PhD programs in Electronics and Telecommunication and Computer Engineering from academic year 2015 – 16.

The institute's mission in establishing research program is iconoclastic in approach and demonstrating the much hyped world of academic research in India that go beyond the paradigm of adding to the body of knowledge.
Core competence of Dr. G.T. Thampi is in offering research problems of real time Techno-commercial-management domains and the same gets exemplified and listed as under

1. Forecasting product life cycle of Cloud Computing.
2. Ways and means of re-energizing E-governance practices by integrating Mobile communication and allied.converging technologies.
3. Investigating National productivity improvement by increased penetration of E-commerce and mobile commerce.practices.
4. Content creation for Enterpreneurship training and education.
5. Transcending Technology Education to contribute to the cause of India to evolve as a "Total Solution Provider".
6. Investigating preparedness of Indian Industry to integrate Big Data Analytics.
7. Building efficiency in enterprises by leveraging Big Data Analytics.
8. Mass customization in Automation industry using ICT
9. Re-structuring of enterprises to integrate internet of things for offering cost arbitrage and quality arbitrage.
10. Image processing for agricultural / healthcare applications.

The TSEC entrepreneurship cell blossomed this year, with the vision of establishing an environment where new ideas can be cultivated, where innovative minds can realize their potential and are not just staring into the dark.

The TSEC E-Cell organized the TSEC Project Expo 2017- an Exhibition showcasing around 80 projects collectively from all the departments of TSEC. The projects were evaluated by industrial experts from as many as 12 different companies including Reliance Industries Ltd., L&T, Cape Gemini, Avalon among several others. Dignitaries like Mr. Krishnakumar Dernally, Director, M-Power Solutions; notable alumni like Mr. Tushar Zaveri, CEO, Vasu Chemicals & Ms. Anchal Gupta, Director, Yogi Kripa Medi Chem. participated in the event. The enthusiastic participation from the student body contributed in making this event a massive success, with students also receiving funding opportunities from the investors to further develop their projects and ideas. The TSEC E-Cell also initiated Ennovare- a compilation of all projects and the dignitaries' feedback and comments which were evaluated during the Project Expo.

1. NUMBER OF SEATS

The college offers Bachelor of Engineering (B.E.) degree course affiliated to University of Mumbai for the duration of four years in following Branches:

BRANCH	TOTAL INTAKE	INSTITUTE QUOTA (20 %)
BIOMEDICAL ENGINEERING	30	06
BIOTECHNOLOGY	30	06
CHEMICAL ENGINEERING	60	12
COMPUTER ENGINEERING	120	24
INFORMATION TECHNOLOGY	120	24
ELECTRONICS AND TELECOMMUNICATION	60	12
TOTAL SEATS	**420**	**84**

2. TYPE OF CANDIDATURE

2.1. Maharashtra State Candidature:- A candidate can claim only one type of Maharashtra State Candidature Type i.e. from A to E.

Sr. No.	Type of candidature for Maharashtra State Candidates	Eligibility requirement	Home University
1	Type - A	i. Candidates Passing SSC and also HSC or Diploma in Engineering Or Bachelor of Science Examination from a recognized institution in Maharashtra State. ii. Candidate who is either **Domicile of Maharashtra and / or is Born** in Maharashtra State.	Place of passing of Qualifying Examination falling within the Jurisdiction of the respective University area.
2	Type - B	A candidate who does not fall in type - A above, but who or whose father or mother is domiciled in the state of Maharashtra and possess Domicile Certificate.	Place of Domicile Certificate issuing authority falling within the Jurisdiction of the respective University area.
3	Type - C	A candidate who does not fall in either Type - A or Type - B but whose Father or Mother is an employee of the Government of India or Government of India Undertaking and who has been posted and reported to duty in Maharashtra state before the last date for submitting the application Form for CAP.	Place of Posting of Father or Mother of candidate falling within the jurisdiction of the respective University area.
4	Type - D	A candidate who does not fall in Type - A, Type - B and Type - C, but whose Father or Mother is an employee or retired employee of the Government of Maharashtra or Government of Maharashtra Undertaking.	Place of posting of Father or Mother of candidate or the place of settlement of the father or Mother if retired or the place of last posting if deputed outside Maharashtra falling within the jurisdiction of the respective University area.
4	Type - E	Candidates passing SSC and / or HSC examination from a recognized institution located in a disputed Maharashtra Karnataka Border Area and whose Mother tongue is Marathi.	Candidate shall be considered for the Outside Home University or state level seats.

2.2 All India Candidature

The candidates having Indian Nationality are eligible under this category.

3. ELIGIBILITY CRITERIA

3.1 Maharashtra State Candidature Candidates (2.1)

i. The Candidate should be an Indian National;

ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together; and obtained score in CET conducted by the Competent Authority.

or

ii. Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

or

ii. Passed B.Sc. Degree from a Recognized University as defined by UGC and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only); and passed XII Std. with mathematics as a subject.

3.2 All India Candidature Candidates (2.2)

I. The Candidate should be an Indian National;

ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharastra state only) in the above subjects taken together; and obtained score in JEE Main Paper I or in CET conducted by the Competent Authority.

or

ii. Passed Diploma in Engineering and Technology and obtained at least 50 % marks (at least 45 %marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharastra state only).

or

ii. Passed B.Sc. Degree from a Recognized University as defined by University Grants Commission and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State) only and passed XII Std. with Mathematics as a subject.

For further details, visit http://fe2017.dtemaharashtra.gov.in/ for complete information of Admission Rules to First Year Degree Course in Engineering / Technology.

4.ALLOTMENT OF SEATS

The allotment of the seats will be done on the basis of the score of MHT-CET 2017 as follows:

4.1 Maharashtra State Candidature Candidate (2.1)

I. All the Maharashtra state candidature candidates will be considered for allotment of seats as per their Inter-Se Merit.

ii. After completion of all the above candidates, if the seats remain vacant then such seats will be considered for allotment to the Diploma candidates based on Inter-Se Merit of MHT- CET 2017 and further, if the seats remain vacant, such seats will be considered for allotment to the Bachelor of Science candidates based on Inter-Se Merit of MHT- CET 2017.

4.2 All India Candidature Candidate (2.2)

Further if the seats still remain vacant, such seats will be considered for allotment to the All India Candidature candidates based on inter-Se Merit of MHT- CET 2017 and then if the seats remain vacant on the basis of JEE (Main) 2017 – Paper I.

5. PREPARATION OF MERIT LIST

5.1 Assignment of Merit Number

a. For Maharashtra State Candidate, All India Candidate

The merit list for the Candidates as per rule 2(1) and 2(2) of these rules, shall be prepared on the basis of marks or score secured by the Candidate in the MHT-CET 2017 conducted by the Competent Authority.

Provided that, in case of tie, the relative merit of Candidates shall be resolved in the following order of preference and the methodology as specified below —

(a) higher marks in Mathematics at CET;
(b) higher marks in Physics at CET;
(c) higher percentage of marks in Board or qualifying examination for Physics, Mathematics and Chemistry taken together;
(d) higher percentage of marks in the subject Mathematics at HSC;
(e) higher percentage of marks in the subject Physics at HSC;
(f) higher percentage of marks in Aggregate at HSC.

b. For Diploma and Bachelor of Science Candidates.

The merit list of Diploma and Bachelor of Science Candidates shall be prepared on the basis of percentage of marks obtained by the Candidate, on the basis of which Diploma/ Degree is awarded by the examining authority:

Provided that, in case of tie, the relative merit of different candidates shall be resolved in the following order of preference and the methodology as specified below—

(a) higher percentage of marks in SSC;
(b) higher percentage of marks in Mathematics at SSC
(c) higher percentage of marks in Science at SSC;
(d) higher percentage of marks in English at SSC.

5.2 Change of Marks due to verification

If the marks in the qualifying examination are modified due to verification and the same is duly certified by the concerned Competent Authority or Board, the same shall be reported to the Principal immediately. However, the effect of such change in marks will be taken into consideration only for the subsequent rounds of admission.

5.3 Method of calculating marks at qualifying examination for deciding eligibility

While deciding the eligibility of the Candidates following procedure shall be adopted:—

i. The percentage of marks shall be calculated by rounding off to nearest integer i.e. if the percentage of marks comes out to be 44.50% to 44.99% then it shall be rounded to 45% and if the percentage of marks comes out to be 44.01% to 44.49% shall be rounded to 44% for deciding the eligibility.
ii. In case the maximum marks in an individual subject is other than 100, convert the marks out of 100 for individual subject without rounding, if sum of the converted marks of individual subjects without rounding off works out to be a figure with fraction then fraction up to two decimal places shall only be considered for calculation of percentage of marks considering maximum marks as 300 and, if the percentage comes in fraction, then rounding off shall be done as above to decide the eligibility.
iii. If letter grades are assigned at SSC, HSC, Diploma, Bachelor of Science or its equivalent examination, the Candidate must submit the certificate of conversion of letter grades into equivalent marks from the concerned Competent Authority or Board at the time of submission of Application Form. The eligibility shall be decided on the basis of equivalent marks.
iv. If the Candidate reappears for the qualifying examination with all subjects then the marks obtained in the latest examination shall only be considered.

6. ADMISSION PROCESS

In accordance with the advertised date on the website and the advertisement in the newspapers, candidate has to follow the following steps for obtaining a seat in the interested degree program.

i. The eligible candidates shall obtain Application Kit from TSEC Office after payment of the application processing fees.
ii. The Application Kit includes the following:
   - A data sheet for admission details.
   - An application form.
   - A brochure detailing the information required for securing admission in TSEC.
iii. The Application Kit is Non-Transferable and amount is Non-Refundable.
iv. The eligible candidate needs to submit the completely filled data sheet along with a set of self-attested photocopy of all relevant documents and a photocopy of the duly filled data sheet to the college on or before the date of final submission as mentioned in advertisement and college website.
v. Candidate can claim only one type of candidature while submitting the application form.
vi. After submission of the Application Data Sheet, information cannot be changed by the candidate.
vii. Any falsification found in data submitted by the candidate for seeking admission shall result in cancellation of the candidature from the admission process.
viii. The Provisional Merit List of the eligible candidates will be displayed on the College website and notice board.
ix. In case of any discrepancy found in the Provisional Merit List, the candidate can submit the grievances in written along with the required documents within the specified grievance period given in the schedule.
x. Final Merit List will be displayed on the College website and notice board.
xi. On the day of admission round, the candidates should submit the following:

   - Duly filled application form.
   - DD of College fees mentioned in the brochure.
   - Three sets of un-attested photocopy of all relevant documents (delayed submissions shall be allowed sparingly on prior approval by college authority).
   - Originals of all relevant documents.
   - A passport-size recent photograph.

7. DOCUMENTS REQUIRED

Following are the mandatory documents that needs to be submitted by each candidate seeking admission to first year engineering course in TSEC through the institute rounds.

- DTE Registration Form acknowledged by the Facilitation Centre
- Score Card of MHT-CET 2017 / JEE (Main) 2017
- Statement of Marks obtained at S.S.C./X or its equivalent qualifying examination.
- Passing certificate at S.S.C./X or its equivalent qualifying examination.
- College Leaving Certificate or Transfer Certificate.
- Aadhaar Card of the candidate.
- Birth Certificate of the candidate.
- Domicile Certificate of the Candidate or Parents, whichever is applicable.
- Nationality Certificate (If Nationality is not mentioned in the College Leaving Certificate)
- Eligibility Certificate from Mumbai University(If passed Qualifying Examination from any board other than Maharashtra Board)
- Physical Disability Certificate (if applicable)

For H.S.C. candidates

- Statement of Marks obtained at H.S.C. / XII or its equivalent qualifying examination.
- Passing certificate at H.S.C./XII or its equivalent qualifying examination.

For Diploma Candidates

- Statement of Marks obtained at Diploma or its equivalent qualifying examination.
- Passing certificate at Diploma or its equivalent qualifying examination.

For B.Sc. Candidates

- Statement of Marks obtained at Bachelor of Science or its equivalent qualifying examination.
- Passing certificate at Bachelor of Science or its equivalent qualifying examination.

8.VACANCY ROUND

Unfilled seats if any, from CAP/Institute rounds made by the Directorate of Technical Education and College will be notified through a leading newspaper and the details for the same will be displayed on the college notice board and website of the college and the Competent Authority.

9. RETENTION OF ORIGINAL CERTIFICATES

If the candidate is offered admission, his or her original College Leaving Certificate (post qualifying examination) and Statement of Marks at the qualifying examination will be retained by the College. Against which retention certificate will be issued to the candidates willing to apply elsewhere. These two original certificates will not be returned to any candidate once admitted to a course unless the candidate cancels his or her admission or completes the entire course.

10.FEES, CANCELLATION AND REFUND

The Interim Fee structure for the academic year 2017-18 shall be as follows:

Sr. No.	Particular	Amount (Rs.)
1	Tuition Fees *	129545
2	College Development Fees	12955
3	Mumbai University Enrolment/ Eligibility Fees	220
4	Marksheet Verification Fees	100
5	Mumbai University Other Fees	536
6	B. U. Exam Fee (Sem I & II)	2000
7	Insurance	701
	Total	146057

*Interim Fees for the academic year 2016 – 17 shall be subject to change as per the decision of the Fee Regulation Authority. The Final Fee approved and published by the Fee Regulating Authority for that year shall be the fee payable by the candidate for the course for that academic Year.

MODE OF PAYMENT OF FEES

- The candidate who has been offered a seat in the college shall pay the prescribed fees in the form of Demand Draft (D.D.) / Pay Order of any schedule bank only, drawn in favor of **"THADOMAL SHAHANI ENGINEERING COLLEGE"** payable at **MUMBAI.**
- No other mode of payment shall be permitted.
- The fees shall be paid by the admitted candidate during the process of admission as per the guidelines given.

CANCELLATION OF ADMISSION AND REFUND OF FEES

The candidate should have taken admission by paying necessary tuition fee and should have submitted original certificates before he/she applied for cancellation. In case candidate fails to submit any of the original documents within the allowed time limit i.e. 4 working days after the date of admission, the admission shall be treated as cancelled. Refund of fees shall not be applicable to such candidates. Delayed submissions of the original documents shall be allowed sparingly on prior approval by college authority.

If the candidate desires to cancel his or her admission for any reason whatsoever during the Admission Process, he or she shall be allowed to do so and it shall be presumed that admission is cancelled at that stage.

The candidate desirous of canceling admission after the admission rounds shall apply for cancellation in writing and shall also give the reason for cancellation of admission.

The candidate cancelling admission shall forfeit the candidature and no longer be considered for the admission offered by the Competent Authority during the current year and fees shall be refunded to the candidate after deducting an amount as prescribed by the guidelines of the appropriate authorities or the state government as the case may be.
The refund of fees before the cut-off date of admission shall be made within two days after deduction of the processing charges of Rs.1000/- (Rupees One Thousand Only).

If the admission is cancelled after the cut-off date of the admission declared by the Competent Authority, there shall be no refund.

11.MISCELLANEOUS

- The medium of instruction for degree course in Engineering and Technology is English.
- Admission of candidate (other than those passed HSC from Maharashtra Board) who has been admitted will be treated as finally confirmed only on production of the Eligibility Certificate from the University of Mumbai.
- Physical fitness : Head of the institution at his or her discretion may refer any candidate to the appropriate medical authority for ascertaining the physical fitness of the candidate to undergo the requirements of the course. The report of medical authority shall be submitted to the Regional Head of Technical Education for further necessary action. It is to be noted that physically handicapped candidates are not provided with any additional facilities as far as academic activities pertaining to the course are concerned.
- Head of the institute may verify the antecedents of any candidate through the appropriate police authority. The report received from police authority shall be submitted to the Regional Head of Technical Education for further necessary action.
- Any issue not dealt herein above will be dealt with, when arising, fully and finally by the Principal.

12.HOSTEL ACCOMMODATION

Hostel facility is not available in the campus. However assistance shall be extended to the students seeking accommodation in Mumbai suburbs.

13.CONDUCT AND DISCIPLINE

- Failure of the candidate in making full and correct statements in the application form and/or suppression of any information and/or submission of false documents shall lead to disqualification of the candidate from the entire admission procedure. Such candidate will be debarred from the examination as well as the entire selection process. Therefore the candidate is required to make only such claims which could be substantiated by relevant original documents.
- Notwithstanding anything contained in these guidelines, if the Government takes any policy decision pertaining to F.E. admissions, then the same shall be brought into effect at that point of time as per the directives from the Government from time to time.
- The students while studying in college, if found indulging **in anti-national activities** contrary to the provisions of Acts and Laws enforced by Government or in any activity contrary to rules of discipline, will be liable to be expelled from the College without any notice by the Principal of the College.

- **Action Against Ragging**

a. Ragging within or outside of any educational institution is prohibited.

b. Who-so-ever directly or indirectly commits, participates in, abets, or propagates ragging with in or outside any educational institution shall, on conviction, be punished with imprisonment for a term up to 2 years and / or penalty which may extent to ten thousand rupees.

c. Any student convicted of an offense of ragging shall be **dismissed** from the educational institution and such student shall not be admitted in any other education institution for period of five years from the date of order of such dismissal.

d. Whenever any student or, as the case may be, the parent or guardian or a teacher of an education institution complains, in writing, of ragging to the head of the educational institution, the head of the institution shall, without prejudice to the foregoing provisions, within seven days of the receipt of the complaint, enquire into matter mentioned in the complaint and if, prima facie, it is found true, suspend student who is accused of the offence, and shall, immediately forward the complaint to the police station having jurisdiction over the area in which the educational institution is situated, for further action. Where on enquiry by the head of the education institution, it is found that there is no substance, prima facie, in the complaint received; he/she shall intimate the fact in writing to the complainant. The decision of the head of the institution shall be final.

e. If the head of educational institution fails or neglects to act in the manner specified in section "d" above when a complaint of ragging is made, such person shall be deemed to have abetted the offence and shall, on conviction, be punished as provided for in section "b" above.

14. UNDERTAKING

All candidates who have applied for admission shall be deemed to have submitted the following undertaking:

I have read all the Rules of Admission and after understanding these rules thoroughly, I have filled-in the application form for admission for the current year.

The information given by me in my application is true to the best of my knowledge and belief. I understand that if any of the statements made by me in the application form or any information supplied by me in connection with my admission is later on at any time, found to be false or incorrect, my application will be cancelled, fees forfeited and I may be expelled from the College by the Principal.

a) I have not been debarred from appearing at any examination held by the Government Constituted or Statutory Examination Authority in India.

b) I fully understand that the offer of a course will be made to me depending on my inter se merit and availability of a seat at the time of scrutiny of my application, when I will actually report to the admission authority according to the schedule of admission.

c) I understand that no document after the last date of submission will be entertained for the purpose of claims or concessions etc. in connection with my admission unless otherwise mentioned in the rules.

d) I am fully aware that the Competent Authority or its representative will not make any correspondence. with me regarding admission. I am also aware that it is entirely my responsibility to see the notice board and Web-site of concerned Admission Centre.

e) I am aware that any rule imposed by the University such as "imposing limits on the number of attempts permission to pass any examination" shall be binding on me.

f) I hereby agree to confirm to any Rules, Acts, and Laws enforced by Government and I hereby undertake that I will do nothing either inside or outside the College which may result in disciplinary action against me under these Rules, Acts, Laws referred to.

g) I fully understand that the Principal of College, has right to expel me from the College for any infringement of the rules of the conduct and discipline prescribed by the College or University or Government and the Undertaking given above.

h) Condition of minimum attendance: I am fully aware that my Academic Term shall not be granted and I will not be allowed to appear for examination if I do not attend minimum 75 percent classes of theory, practical, drawing etc. (100% attendance will be appreciated). I am also aware that I will not be allowed to appear for the examination, if I fail to submit satisfactorily all the assignments, jobs, journals, drawings, reports as specified by the University within the stipulated time limit.

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

New Delhi

NOTIFICATION

Dated 01-07-2009

Sub: Prevention and prohibition of Ragging in technical

Institutions, Universities including deemed to be Universities imparting technical education.

F.No.37-3/Legal/AICTE/2009 – In exercise of the powers conferred under Section 23 read with Section 10 (b), (g), (p) and (q) of AICTE Act, 1987, the All India Council for Technical Education, hereby makes the following Regulations:-

1. Short title and commencement:-

These Regulations may be called the All India Council for Technical Education (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009.

They shall come into force on the date of the notification.

2.Objectives:-

In view of the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009 to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or.. showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the All India Council for Technical Education,(AICTE) brings forth these Regulations.

3.Definitions:-

"Act" means the All India Council for Technical Education Act 1987 (52 of 1987);

"Technical Institution" means an institution of Government, Government Aided and Private (self financing) conducting the courses/programmes in the field of technical education, training and research in Engineering, Technology including MCA, Architecture, Town Planning, Management, Pharmacy, Hotel Management & Catering Technology, Applied Arts & Crafts and such other programmes and areas as notified by the Council from time to time;

"University" means a University defined under clause (f) of section 2 of the University Grants Commission Act, 1956 and includes an institution deemed to be a University under section 3 of that Act.

"Academic year" means the period from the commencement of admission of students in any course of study in the institution up to the completion of academic requirements for that particular year.

"Head of the institution" means the Vice-Chancellor in case of a university or a deemed to be university, the Principal or the Director or such other designation as the executive head of the institution or the college is referred.

"Fresher" means a student who has been admitted to an institution and who is undergoing his/her first year of study in such institution.

Words and expressions used and not defined herein but defined in the Act or in the General Clauses Act, 1887, shall have the meanings respectively assigned to them in the Act or in the General Clauses Act, 1887, as the case may be. And

All other words and expressions used herein and not defined but defined in the All India Council for Technical Education Act, 1987 (52 of 1987), shall have the meanings respectively assigned to them in the said Act;

4. What constitutes Ragging: -

Ragging constitutes one or more of any of the following acts:

any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;

indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;

asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;

any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.

any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;

any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

any act or abuse by spoken words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;

any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

5. Measures for prevention of ragging:-

It shall be mandatory for every technical Institution, University, deemed to be University imparting technical education to take following measures for prevention of ragging at such institutions.

1. The advertisement issued for admission by a technical institution, University including Deemed to be University concerned and/or the admission authority/ affiliating University/State Govt./UT/Central Govt. as the case may be, shall clearly mention that ragging is totally banned and anyone found guilty of ragging and/or abetting ragging is liable to be punished.
2. The 'Prospectus' and other admission related documents shall contain directions of the Supreme Court Affiliating University/admission Authority/State Govt/Central Govt. shall make it mandatory for the institutions under their jurisdiction to compulsorily incorporate such information in their 'Prospectus'. These Regulations shall be printed in the brochure of admission/instruction booklet for candidates.

3. The application form for admission/enrolment shall have a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages. The affidavit should be filled up and signed by the candidate to the effect that he/she is aware of the law regarding prohibition of ragging as well as the punishments, and that he/she, if found guilty of the offence of ragging and/or abetting ragging, is liable to be punished appropriately.

4. The application form shall also contain a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages and the affidavit should be signed by the parent/guardian of the applicant to the effect that he/she is also aware of the law in this regard and agrees to abide by the punishment meted out to his/her ward in case the latter is found guilty of ragging and/or abetting ragging.

5. The application for admission shall be accompanied by a document along with the School Leaving Certificate/Character Certificate which shall include a report on the behavioral patter of the applicant, so that the institution can thereafter keep intense watch upon the student who has a negative entry in this regard.

6. A student seeking admission to the hostel shall have

to submit another affidavit along with his/her application for hostel accommodation that he/she is also aware of the law in this regard and agrees to abide by the punishments meted out if he/she is found guilty of ragging and/or abetting ragging.

7. Every technical institution, University including Deemed to be University imparting technical education shall maintain a proper record of the affidavits obtained to ensure its safe up keep thereof, including digital copies of the affidavits and such digital copy should be made available to the AICTE or to an Agency identified/nominated by AICTE.

8. The AICTE or an Agency identified/nominated for the purpose and affiliating Universities and Directorate of Technical Education of the concerned State Govt./UT shall maintain an appropriate data base of the affidavits in the digital form obtained from every student at the time of admission to the technical institutions, Universities including Deemed to be Universities imparting technical education.

9. Each batch of freshers should be divided into small groups and each such group shall be assigned to a member of staff. Such staff member should interact individually with each member of the group on daily basis to ascertain the problems/difficulties, if any faced by the freshers in the Institution and extend necessary help.

10. In case of freshers admitted to a Hostel it shall be the responsibility of the teacher in charge of the group to co-ordinate with the warden of the Hostel and to make surprise visits to the rooms in the hostel where the members of the group are lodged. Fresherss hould be lodged in a separate hostel block wherever possible and where such facilities are not available, the college/institution shall ensure that seniors' access to fresher's accommodation is strictly monitored by wardens, Security Guards and Staff.

11. Every institution should engage or seek the assistance of professional counselors at the time of admissions to counsel 'fresher' in order to prepare them for the life ahead, particularly for adjusting to the life in hostels. At the commencement of the academic session the Head of the technical Institution, University including Deemed to be University imparting technical education shall convene and address a meeting of various functionaries/agencies, like Wardens, representatives of students, parents/guardians, faculty, district administration including police, to discuss the measures to be taken to prevent ragging and steps to be taken to identify the offenders and punish them suitably.

INSTITUTIONS MANAGED BY THE BOARD

1.Rishi Dayaram National College of Arts and Science, Bandra (W), Mumbai – 400 050.

2.Kishinchand Chellaram College of Arts and Science, Churchgate, Mumbai – 400 020.

3.Kishinchand Chellaram Law College, Churchgate, Mumbai-400020.

4.Hassaram Rijhumal College of Commerce and Economics, Churchgate, Mumbai-400020.

5.Smt. Mithibai Motiram Kundnani College of Commerce & Economics, Bandra (W), Mumbai-400050.

6.Smt. Chandibai Himathmal Mansukhani College of Arts, Science and Commerce, Ulhasnagar-421003.

7.Bombay Teachers' Training College, Colaba, Mumbai-400005.

8.Prin. K.M. Kundnani College of Pharmacy, Cuffe Parade, Mumbai-400005.

9.Gopaldas Jhamatmal Advani Law College, Bandra (W), Mumbai-400050.

10.Watumull Institute of Electronics Engineering and Computer Technology, Worli, Mumbai-400018.

11.Thadomal Shahani Engineering College, Bandra (W), Mumbai-400050.

12.HSNCB's Dr. L.H. Hiranandani Pharmacy College, Ulhasnagar-421003.

13.HSNCB's H. & G. Himatmal Mansukhani Institute of Management, Ulhasnagar-421003.

14.Nari Gursahani Law College, Ulhasnagar-421003.

15.Prin. K.M. Kundnani Pharmacy Polytechnic, Ulhasnagar-421003.

16.Institute of Technology, Ulhasnagar-421003.

17.K.C. College of Management Studies, Churchgate, Mumbai-400020.

HSNC

WHERE IDEAS COME TO LIFE

HYDERABAD (SIND)
NATIONAL COLLEGIATE BOARD

Nari Gurshahani Marg,TPS III (37 Road),
Off. Linking Road, Bandra (W), Mumbai - 400050. INDIA
Phone : (022) 26495808 / 26488830
Email : tsec@tsec.edu, gtthampi@yahoo.com
www.tsec.edu, www.tsecadmission.org, www.gtthampi.in

Admission Brochure for the academic year

2016 - 17

VISION

Perpetuating and transcending the process of

- Contributing to evolving supply chain of human capital for National Economy.
- Creating entrepreneurs and game changers' to support heightened level of economic activities underpinning ever increasing human aspiration.
- Helping the nation evolve as a total solution provider.
- Value and wealth creation for the mankind.

MISSION

Focusing and practicing

- Product and processes innovation.
- Leveraging human cognitive and behavioural science for creating instructional content.
- Pervasive and ubiquitous information Communication Technologies for customized content for learning.
- Acknowledge and facilitate various learning styles and learning abilities.
- Migrating from teaching paradigm to learning paradigm.
- Every day discourse shall inculcate research culture and further the cause of societal advancement.
- Understand various markets and cultures.
- Collaborative learning and emotional integrity.
- Sensitizing about opportunities in energy Education Environment and Health care sectors.
- Extensively promoting computer aided design, analysis and manufacturing procedures.
- Theoretical rigor to develop conceptual clarity.
- Modelling and design of experiments to include culture of investigation.
- Creating foot print on project management and collaborative human endeavour.
- Interdisciplinary studies and exposure to functional areas.

From the Principals Desk

My heart goes to all the aspiring students, the graduate students and I am jotting down the following.

You are in the cusp of entering a world of infinite possibilities; your capacity to remain focus and stay the course shall take you to a different productive orbit. The current level of higher education doesn't acknowledge the pervasive internet and resources available with it. Going forward we are expected to bridge this gaps. We as education and training institutes are expected to create a supply chain of given capital with high degree of emotional integrity.

The very technologies that improve the lives of millions have the side effects of bringing unprecedented fragility into the system. Never before the world been so inter connected, with the consequences that a small disturbance in one place can leave vary rapidly to large effects in another or generalized cascades.

You are expected to have psychological sensitivity to succeed in the vast, hugely heterogeneous inter connected world. Participate in entrepreneurial ventures and subjected to training and experiment with the process of wealth creation underpinning the culture of risk taking. The internet has the greatest single disruption in the way we organize, access, process and re circulate knowledge. The idea that knowledge, could be accumulated, assimilated, stored permanently and meant accessible free of cost for the most part, at the click of button anywhere in the world, is a truly radical one.

My heartfelt congratulations and best wishes go to all the aspiring and the graduate students.

Dr. G.T. Thampi
Principal, TSEC

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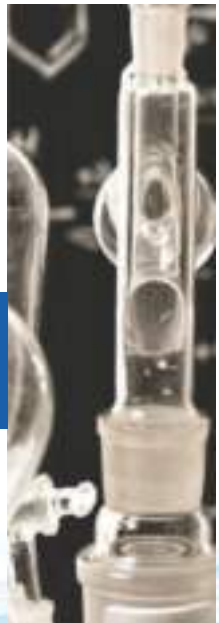


THE GENESIS

The Hyderabad (Sind) National Collegiate Board well known as HSNC board is a charitable trust established by Sindhi Community in 1949. The HSNC Board has roots going back over 60 years. The board was managing the National College in Hyderabad (Sind) long before partition of India, In true spirit of their times the members of the Board worked to ensure the nations integrity and honour during the National Movement of Indian Independence. After the Partition of the country in 1947, the members of Sindhi Hindu Community migrated to India. Principal K.M. Kundnani, with the vision and mission to promote participation in education and initiated the efforts for starting a college in Mumbai. With active support and encouragement from Late Barrister Hotchand G. Advani the Hyderabad (Sind) National Collegiate Board came into existence in 1949 at Mumbai. Late Barrister H.G. Advani was the Founder President and Late Principal K.M. Kundnani was the Founder Secretary and Founder Principal of the first college started by the board and known as the Rishi Dayaram National College, Bandra, Mumbai.

Since then the Board has been offering unique pre-degree study, undergraduate and post graduate degrees in a wide range of programmes. It has produced professionals' par excellence in the fields of Arts, Science, Commerce, Management, Education, Law, Engineering, Technology and Para-Medical.

Barrister Hotchand
Gopaldas Advani

Padmabhushan
Dr. L.H. Hiranandani

Principal Khushiram
Motiram Kundnani

TSEC PROFILE

Established in 1983, Thadomal Shahani Engineering College is founded by the Hyderabad (Sind) National Collegiate Board. Thadomal Shahani Engineering College (TSEC) is recognized by the Government of Maharashtra. This college is approved by the All India Council for Technical Education (AICTE), affiliated to the University of Mumbai.

- Of these branches, Electronics & Telecommunication Engineering, Biomedical Engineering and Information Technology are accredited at the degree level by the National Board of Accreditation (NBA) of the AICTE. We have applied for Re-Accreditation of all existing branches.
- Ever since its inception in 1983, the Institute has established itself as a premier institution engaged in imparting quality technological education.

Four-year Bachelor of Engineering (B.E.) Degree program.

- Biomedical Engineering
- Biotechnology
- Chemical Engineering
- Computer Engineering
- Information Technology
- Electronics & Telecommunication Engineering

Doctor of Philosophy (Ph.D.) program.

- Computer Engineering
- Information Technology
- Electronics & Telecommunication Engineering

TSEC DEPARTMENT PROFILE

Excellence in Biomedical Engineering for better Health tomorrow

The Department of Biomedical Engineering at TSEC was established in 1983 under the University of Mumbai. The Department aims to impart not only fine technical knowledge but also social education to mould students to become well rounded citizens, thus producing high quality, distinguished engineers and successful practitioners of Biomedical Engineering.

Biomedical Engineering (BME) program integrates engineering and medical principles to improve healthcare diagnosis and treatment. Biomedical Engineering focuses on theoretical and practical aspects of medical technology, instrumentation design and application of engineering methods into hospital design, patient care and healthcare information system. The students also gain the understanding of advanced technologies like Embedded Systems, VLSI, Biomedical Microsystems, Robotics in Medicine, Rehabilitation Engineering etc.

The department has been blessed with a venerated and dexterous faculty that has enlightened the students with sound technical knowledge. The faculty is highly qualified and is carrying out research activities in upcoming fields of Biomedical Engineering. They have presented research papers in international and national conferences, delivered guest lectures and organized national seminars and workshops. They also participate in advanced training and development activities, to update their knowledge. Under their guidance students have not only participated in international conferences all over the world but also have written technical papers in reputed journals.

The strength of our department is well equipped laboratories and sophisticated biomedical equipments, demonstration equipments, trainer kits which help in simplifying the basic working and design principles. The department has also received AICTE -MODROB grant and University Grants for modernization of the laboratory and for implementation of state-of-art projects respectively.

Graduates of the department are placed in reputed industries, hospitals, academic and research organizations. Most of the students pursue higher education in India and abroad. The alumni hold esteemed positions in reputed companies, hospitals and research organizations in India and abroad. With the futuristic vision of the requirements of Healthcare industry, some of them have become successful entrepreneurs thereby contributing to the biomedical domain in India.

DEPARTMENT OF BIOTECHNOLOGY

TSEC took an early note of importance of biotechnology in future industrial development and hence was first college in Mumbai to start with B.E Biotechnology degree course in year 2004 approved by AICTE, India.

Biotechnology Engineering is an amalgam of pure biological sciences and chemical engineering principles applied to improve the quality of human life. Biotechnology Engineering involves scientific manipulation of biological systems at genetic and molecular level to manufacture useful products and to provide services under controlled conditions.

Department of Biotechnology, TSEC focuses on various areas of study like Applied Microbiology, Biochemical Engineering, Bioprocess and Enzyme Technology, Unit operations, Plant Tissue Culture, Immunotechnology, Genetic Engineering , Bio informatics, Fermentation Technology, Downstream Processing, Bioseperation techniques, Food Biotechnology, Environmental Biotechnology, Protein Engineering.

Students mainly find job in the fields like drug and pharmaceutical research, environment control, waste management, food processing & bio-processing industries.
The collaboration with the various reputed organizations and institutes like GlaxoSmithkline pharmaceuticals ltd, IIT-Bombay, Tata Institute of Fundamental Research, Haffkine, BARC, NIRRH, RCF, BPCL, HPCL, Bharat serums and many more have resulted in live final year projects.

DEPARTMENT OF CHEMICAL ENGINEERING

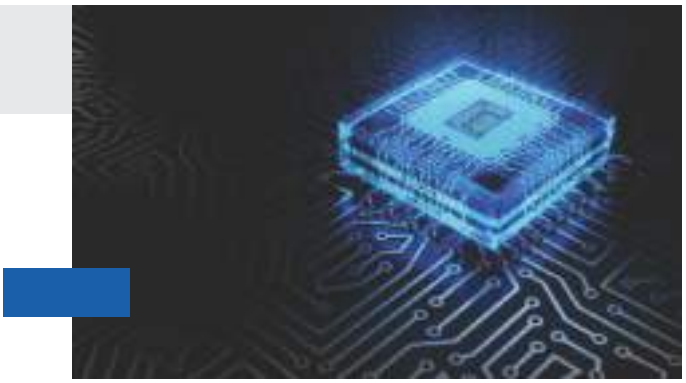
Department of Chemical Engineering, TSEC was established in 1983. It has a long and distinguished history of successfully educating leaders for a wide variety of industries. The department strives to impart high quality technical education with a delicately struck balance of fundamental knowledge, practical exposure and novel concepts.

We believe in providing our students with education that combines conceptual learning and the excitement of discovery with the support and intellectual stimulation of a diverse campus community. The department is committed to achieve excellence and evaluates the success and leadership of its programs using the highest standards of quality and innovation.

The department is well-equipped with state-of-the-art infrastructure and laboratories as per Mumbai University Syllabi. The department has highly qualified core faculty with an incredible professional profile to meet the emerging trends and challenges in the field of chemical engineering and allied areas on a global platform. The students undertake projects in final year under the guidance of a staff member. The topics are usually in subjects like modeling and simulation, unit operations, polymers, pollution control, and design of process industries. Many of the projects have led to publication. The department has also received AICTE - MODROB grant for two consecutive years 2012-13 and 2013-14.

The department had produced university toppers with regular consistency. The department emphasizes on all round development of its students; proof of which are the numerous instances where the students have made the college proud by winning laurels in various technical and nontechnical competitive events in the face of tough competition. Today our alumni work in many revered organizations like Reliance, Aker Power Gas, Toyo Engineers, Tata Consulting Engineers ,SNC Lavalin to name a few, at responsible positions.

DEPARTMENT OF COMPUTER ENGINEERING



The Computer Engineering Department of TSEC was established in the year 1984 and has grown over the years into a competent department with state of the art computing facilities and a dedicated faculty. The goal of the department is to establish state of the art computing environment to develop competent computer engineers imbibed with the spirit of professionalism and responsible citizenship. The department emphasizes the vision of Thadomal Shahani Engineering College for excellence in education. Highly qualified, dedicated faculty and good infrastructure facilities make this dream realizable.

The Department has continuously upgraded the infrastructure according to the changing needs of technological environment. The Department has a rich infrastructure with more than 300 branded machines of latest configuration. Internet browsing facility with lease-line connectivity of 4 Mbps is provided and is made accessible to the students around the clock for 24 hours. All the laboratories in the department have internet browsing facility. Good Interaction with the Industries is maintained so that the students also have better exposure to the professional environment and its needs. This also helps in bridging the gap between the academics and Industry requirements so that our students have preference in Industrial arena. In order to keep up with the cutting edge technologies, department has a digital library facility with reputed International and National Journals like science direct.

The students are focused with the use of conceptual understanding of core domain areas in computing as well as enhanced programming skills disseminating their analytical abilities. Our aim is to provide our students the lifelong learning and leadership skills that enable them to grow in their professions and advance to the positions of responsibility by effective Industry-Institute Interaction. The Department has an excellent placement record and the students are placed in prestigious software industries all over the world.
One of the recent achievements of the Department is the start of research program (Ph. D.).

DEPARTMENT OF INFORMATION TECHNOLOGY

Department of Information Technology was established in the year 1998 with a clear view of a forerunner in the field of Information Technology. The Department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized fields.

At the desktop of achievements of the department, lies the award of accreditation given by the National Board of Accreditation and also the starting of Ph.D. program in the department by the University of Mumbai. The Department has a highly qualified, dynamic and technologically sound faculty. The department is always keen in organizing seminars, workshops, and symposia in emerging technological areas.

IT program focuses on preparing graduates who are concerned with issues related to users and meeting their needs within an organizational and social context through the selection, creation, application and integration of computing technologies. This course includes topics such as fundamental concepts of computing and IT, network and security, design of web pages, big data analytics, cloud computing and management of technology lifecycle.

The curriculum of program has been designed to cater to the ever changing needs and demands of IT industry. It has one of the best state-of-the-art computing infrastructures including domain-specific laboratories associated with the above technical divisions. The department provides a comfortable atmosphere in invoking the students to develop them to meet real life challenges.

Core competency of the department is Big Data Analytics and Cloud Computing. Collective consciousness of the department exhorts the pupil to remain focused to develop proficiency in “coding” (conversion of physical problem to logic).

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Department of Electronics and Telecommunication was established in year 2002 with a clear view of a forerunner in the field of Telecommunications, the Department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized communication related fields. This Department earlier had nomenclature of Electronics Engineering from 1983 to 2001.

A highly qualified, experienced, dynamic and technologically sound faculty with this Department, endows the professional cutting edge. The department has a good record of organizing seminars, workshops, and symposia in emerging technological areas.

The curriculum of the program has been designed to cater to the ever changing needs and demands of communication industry. The focus is on holistic learning and empowering students to make significant contributions at all levels. The open elective system gives a handful of choices for students to develop expertise in their area of interest such as Neural Networks, Radar engineering, microelectronics, data compression and encryption, Satellite communication and image processing etc. It has one of the best state-of-the-art hardware and software laboratories with special focus on telecommunication.

The Department also offers a research program (Ph. D.).

CONTINUING EDUCATION PROGRAM / LIFELONG LEARNING, UNLEARNING, RELEARNING PROCESSES

We take proactive measures to organize training programs to faculties to update with the new development in different technology sectors and facilitate them to develop proficiencies in newly introduced courses. As a holistic strategy to practice Lifelong Learning, unlearning, relearning processes, we sponsor faculties to participate in short term courses, seminars, conferences and workshops getting organized in other institutions

Teachers have been publishing technical books on the subjects of Industrial Automation, Cloud Computing, EGovernance, Entrepreneurship, E-Commerce, Mobile Computing, Optical Fiber Communication, Digital Communication, Microcomputer System Design, Applied Chemistry, Object Oriented Programming, Material Science, Communication Engineering, Signal processing, Control Systems, and so on. Collective contribution of the faculty in the realm of research and investigation to further the cause of society at large and for the Industrial progress of India is sizeable and count more than 500 publications.

STUDENT'S PERFORMANCE AND EXTRACURRICULAR ACTIVITIES

Our students consistently excel in their academics and are known to hold rank in the University. In addition to academic excellence students also demonstrate proficiency in sports, and represent the College at several inter and intra College competition at State and National Levels. The students have represented the college in the National Team of Badminton, Swimming and Rifle Shooting. Since 1995, TSEC has been hosting the "Inter-Engineering Football tournament" which presents Rotating Trophies to Winner and Runner-up teams. TSEC has also been hosting "Inter-Engineering Cultural Festival" TRIFLES, since academic year 2000, which presents a platform for students from different colleges to interact with one another.

College is recognized by the Institution of Engineers (India) and also has Students chapters of IEEE (USA), IETE, ISTE, IIChE, and CSI. The College has its own Management Society (MS), which conducts literary activities and prepares them for various aspects of management. It organizes a National Level debate and quiz competition annually. The society contributes towards grooming the soft-skills of the students. All these societies are extremely active and are popular with the students.

The Institute of Electrical and Electronics Engineers (IEEE) USA, an International Professional Organization, has established a student's chapter in the college which has four Society chapters viz. Computer Society Chapter, Communications Society Chapter, Engineering in Medicine & Biology Society Chapter and Industrial Electronics Society Chapter.

CONTRIBUTING TO THE SOCIETY

We are the first engineering college in Mumbai University to start the National Service Scheme (NSS) program. Projects carried out by NSS are very useful to the society as a whole and also helps students to develop all round skills which are extremely useful in this extra competitive world. The highlights the program include Blood Donation Drive, Child Care Project and Residential camp in Rural Area. NSS has also taken up Energy Audit of the College.

ALUMNI ASSOCIATION

TSEC Alumni Association was formed in 1994 and since then it has been organizing the "Alumni Day" every year. The Alumni Association felicitates members of the "Decade Completing Batch" who have completed 10 years after passing from the college. It has also instituted a "Distinguished Alumnus Award" which is presented every year to one alumnus of the college. The association contributes towards organizing internship programs for second year and third year students, to give those hands on experience on live projects.

PROJECTS UNDERTAKEN AND FINANCIAL AID FROM AICTE

We have successfully completed two research projects on "System Automation" and "Fiber Optics Communication System," assigned by All India Council for Technical Education (AICTE), New Delhi. The College had received research grants of Rs. 5 Lakhs and Rs.5.5 Lakhs respectively, for the same. During 2011-2013, the IT and Biomedical, Chemical Dept & Entrepreneurship cell received Rs. 25 lakhs worth aid for modernization of laboratories under MODROB scheme. The departments have periodically received grants from the University for undertaking projects.

SCHOLARSHIP TO STUDENTS FROM VARIOUS TRUSTS

Sr. No	Academic Year 2015-16		
	Name of Scholarship Donors	No. of Students Who Received Scholarship	Total Amount of Scholarship (in Rupees)
1	Sir Ratan Tata Trust	15	16,84,000.00
2	Priyadarshani Academy	4	40,000.00
3	Social Welfare Office Reserved CategorySC/SBC/VJNT/OBC	49	33,90,203.00
4	All India Council for Technical Education (AICTE)	5	4,90,000.00
5	Economical Backward Class (EBC)	58	34,17,138.00
6	Merit Cum Means (Central Govt.)	15	3,75,000.00
7	State Government Minority	60	15,00,000.00
8	Dorabjee Tata Trust	37	40,00,000.00
9	Central Sector Scholarship	11	2,00,000.00
10	Needy and E.B.C. Scholarship U. O. M.	1	2,000.00
11	Scholarship through HSNCB Board	1	55,000.00

TSEC is ranked as the best Engineering College in Maharashtra

WORKS APPLICATION (JAPAN)
INFOSYS
ACCENTURE
AMDOCS
CAPGEMINI
DIRECTI
JACOBS
CAMEROON TECH
IGATE
LTIT
MORGAN STANLEY
ERNST & YOUNG
NSE TECH

TATA ELEXSI
BARCLAYS
BNPPARIBAS
CACTUS
CRIMSON
CRISIL
CONVONIX
IKSULAJPMC
MEDITAB
QUINNOX
RELIANCE
PRICE WATERHOUSE COOPER
MAJESCO

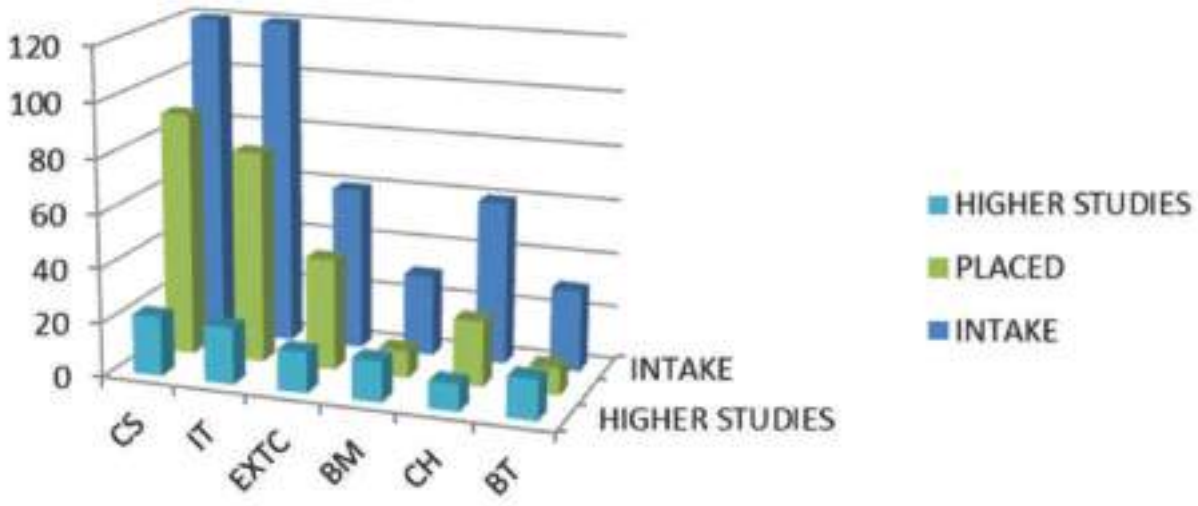
SECLORE
TEACHFOR INDIA
VISTAAR
VISTEX
AVANTI
DELOITTE
DIEBOLD
RELIANCE RETAILS
TOYO
ALPHA PLUS
ARISTON CAPITAL
JUST DIAL

CAMPUS PLACEMENTS

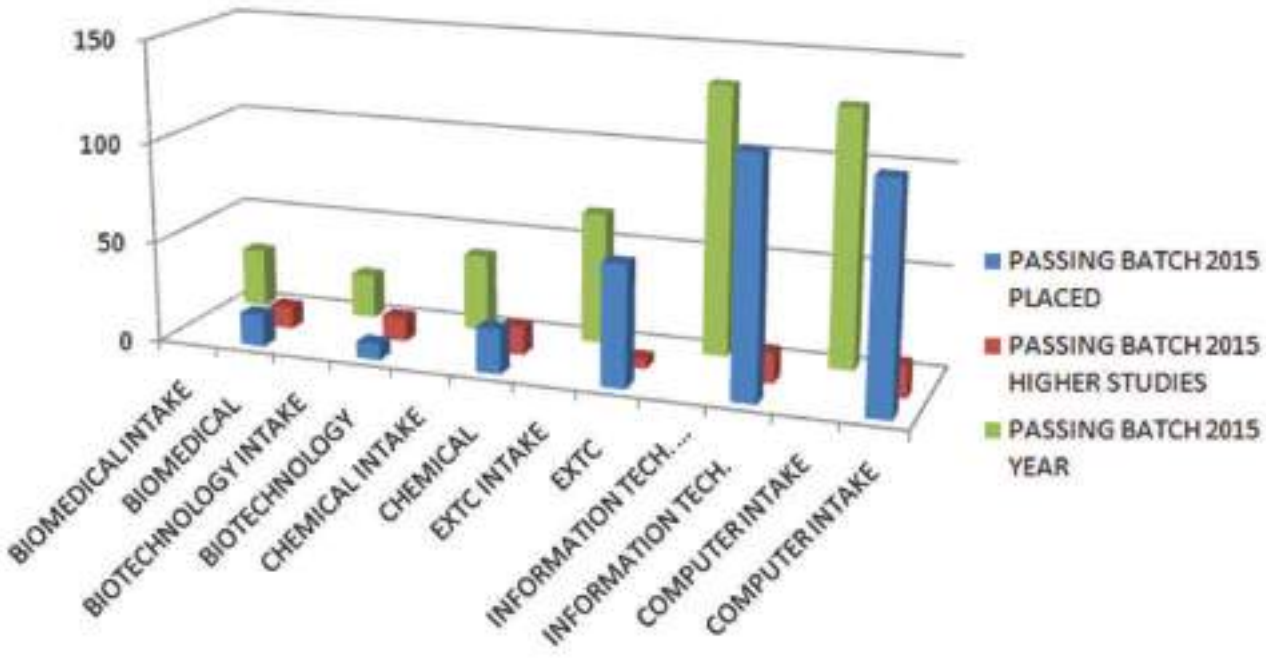
AND HIGHER STUDIES IN POST GRADUATES PROGRAM

TSEC enjoys high credentials amongst the top business enterprises seeking intellectual capital with high level of productivity and work culture. We succeeded in perpetuating 90 - 95% placement / admission to post graduate programs in Engineering / Management in highly reputed national and international institutes. The total number of offers rolled out to 420 students (Registered for placement) is 495. Many students have multiple offers. The compensation ranges from 3 lacs to 35 lacs on annualized basis.

PLACEMENT AND HIGHER STUDIES DATA FOR BATCH 2015



PLACEMENT AND HIGHER STUDIES DATA FOR BATCH 2016



Core Competencies

- Instructional content based on cognitive load theories and epistemological consistencies
- Leveraging visual learning to maximize the efficacy of learning process
- Student centered institutional structure and process layout
- System in place for continuous value addition
- Processes which help students unleash their potential
- World class laboratories for experimental investigation
- Contemporary pedagogical practices in teaching learning processes
- Evolving competency in addressing different learning abilities and styles
- Customized learning content for heterogeneous learners

Other Competencies and Value Propositions

- Perpetuating interaction amongst learners of high caliber
- Liberal democratic ethos in the campus
- Calibrated promotion of sports activity
- Student council expressing their evolving collective aspirations and perspectives on various issues.

Other Facilities

- Wi-fi and Leased line of 15 Mbps Internet enabled campus
- Canteen facility for hygienic and cost effective food
- Spacious student lounge and libraries
- Courteous and caring auxiliary staff
- Neighborhood medical facility
- High degree of parental facilitation, continual information about wards performance, sensitization of their performance index.

The Key Differentiator

- Treating and training students as evolving human capital
- Helping them to realize their potential
- Facilitating and modifying different learning styles and learning disabilities
- Perpetuating the effort to create and augment customized course content to help unleash the potential of different learners
- Our every day discourse also focuses on creating and facilitating 'Game changers'
- We are productively researching on the ways and means of transcending technology education to help the Nation Evolve as a 'Total Solution provider' to thrive in a carbon efficient world order
- Facilitating them to manage their emotions to thrive in their professional life
- Indian values driven institutional culture energizing from ancient Indus valley civilization

Holistic Personal Development for Global Market Place

- Well laid out schema and curricula for all round personality development focusing on emotional integrity rooted on sound ethical practices.
- Promotion of Extracurricular activities to appreciate collaborative effort and group dynamics.
- Sensitizing learners about the importance of Nation Building and value/ wealth creation for the mankind at large.
- Initiating them to product and process innovation leveraging converging technologies to remain competitive in the global market place.

EPITOME OF RESEARCH IN TSEC

Aspiration to go up in the academic value chain provoked us to leverage the dormant academic research abilities to play a creative role in starting the PhD program in our institute.

PhD program in Information Technology was started in the institute during the academic year 2012 – 13 with an intake capacity of 10 students. Institute has also started PhD programs in Electronics and Telecommunication and Computer Engineering from academic year 2015 – 16.

The institute's mission in establishing research program is iconoclastic in approach and demonstrating the much hyped world of academic research in India that go beyond the paradigm of adding to the body of knowledge.
Core competence of Dr. G.T. Thampi is in offering research problems of real time Techno-commercial-management domains and the same gets exemplified and listed as under

1. Forecasting product life cycle of Cloud Computing.
2. Ways and means of re-energizing E-governance practices by integrating Mobile communication and allied converging technologies.
3. Investigating National productivity improvement by increased penetration of E-commerce and mobile commerce practices.
4. Content creation for Enterpreneurship training and education.
5. Transcending Technology Education to contribute to the cause of India to evolve as a 'Total Solution Provider'.
6. Investigating preparedness of Indian Industry to integrate Big Data Analytics.
7. Building efficiency in enterprises by leveraging Big Data Analytics.
8. Mass customization in Automation industry using ICT
9. Re-structuring of enterprises to integrate internet of things for offering cost arbitrage and quality arbitrage.
10. Image processing for agricultural / healthcare applications.

ADMISSION GUIDELINES FOR INSTITUTE / NRI QUOTA

NUMBER OF SEATS

The college offers Bachelor of Engineering (B.E.) degree course affiliated to University of Mumbai for the duration of four years in following Branches:

BRANCH	TOTAL INTAKE	INSTITUTE QUOTA (15 %)	NRI QUOTA (5 %)
BIOMEDICAL ENGINEERING *	30	05	01
BIOTECHNOLOGY *	30	04	02
CHEMICAL ENGINEERING	60	09	03
COMPUTER ENGINEERING	120	18	06
INFORMATION TECHNOLOGY	120	18	06
ELECTRONICS AND TELECOMMUNICATION	60	09	03
TOTAL SEATS	**420**	**63**	**21**

*** The number of seats in Biomedical Engineering and Biotechnology is taken together as 09 seats under institute Quota and 03 seats under NRI Quota.**

TYPE OF CANDIDATURE

1. Maharashtra State Candidature:- A candidate can claim only one type of Maharashtra State Candidature Type i.e. from A to E.

Sr. No.	Type of candidature for Maharashtra State Candidates	Eligibility requirement	Home University
1	Type - A	Candidates Passing SSC and also HSC or Diploma in Engineering Or Bachelor of Science Examination from a recognized institution in Maharashtra State. and Cadidate is **Domicile or Born** In the State of Maharashtra	Place of Passing of Qualifying Examination Falling within the Jurisdiction of the respective University area.
2	Type - B	A candidate who does not fall in type - A above A above, but who or whose father or mother is domiciled in the state of maharashtra and possess Domicile Certificate .	Place of Domicile Certificate issuing authority falling with in Jurisdiction of the respective University area.
3	Type - C	A candidate who does not fall in Type - A or Type - B but whose Father or Mother is an employee of the Government of India Undertaking and who has been posted and reported tow in Maharashtra state before the last date for submission of application Form for CAP.	Place of Posting of Father or Mother of candidate falling within the jurisdiction of the respective University area.
4	Type - D	A candidate who does not fall in Type - A, Type - B and Type - C, but whose Father or Mother is an employee or retired employee of the Government of Maharashtra or Government of Maharashtra Undertaking	Place of posting of Father or Mother of candidate or the place of settlement of the father or Mother if retired or the place of last posting if deputed outside Maharashtra falling with in the jurisdiction of the respective University area.
4	Type - E	For First Year candidates passing SSC and / or HSC examination from a recognized institution located in a disputed Maharashtra Karnataka Border Area and whose Mother tongue is Marathi.	Candidate shall be considered for the Outside Home University or state level seats.

2.2 All India Candidature

The candidates having Indian Nationality are eligible under this category.

2.3 NRI Candidature

The Candidate who fulfills the conditions as defined in clause (n) of section 2 of the Act is eligible under this category.

Clause (n) of section 2 of the Maharashtra Unaided Private Professional Educational Institutions (regulation of Admissions and fees) Act, 2015:"Non-Resident Indian (NRI)" means a person who is "not ordinarily resident" under sub-section (6) of section 6 of Income Tax Act, 1961, and includes a person resident outside India under clause (w) of section 2 of the Foreign Exchange Management Act, 1999, and also includes his child or ward.

2.4 Jammu and Kashmir Migrant Candidature

i. The children of citizens, who are displaced from Jammu and Kashmir to any part of India or from unsafe border area of Jammu and Kashmir to a relatively safe r place in Jammu and Kashmir from 1990 onwards due to terrorist activities; or

ii. The children of officers belonging to Indian Administrative Services(IAS) or Indian Police Services (IPS) or Indian Foreign Services (IFS) and children of staff belonging to military and paramilitary forces transferred to Jammu and Kashmir to combat terrorist activities and joined the post on or before the last date for submission of application for admission; or

iii. The children of staff and officers of Jammu and Kashmir Police engaged in combating terrorism are eligible under this category

3. ELIGIBILITY CRITERIA

3.1 Maharashtra State Candidature Candidate (2.1)

I The Candidate should be an Indian National;

ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks (at least 45% marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together;

or

Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

or

Passed B.Sc. Degree from a Recognized University as defined by UGC and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

iii. Obtained score in MHT-CET 2016 conducted by the Competent Authority.

3.1 Maharashtra State Candidature Candidate (2.1)

I The Candidate should be an Indian National;

ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks(at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together;

Or

Passed Diploma in Engineering and Technology and obtained at least 50 % marks (at least 45 %marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

Or

Passed B.Sc. Degree from a Recognized University as defined by University Grants Commission and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

iii.Obtained score in MHT-CET 2016 or JEE Main PaperI.

3.3 Children of NRI (2.3)

The candidate should have passed the HSC or itsequivalent examination with Physics andMathematics ascompulsory subjects along with one of the Chemistry orBiotechnology or Biology or Technical or Vocationalsubjects, and obtained at least 50 % marks;

For further details, visit http://fe2016.dtemaharashtra.gov.in/ for complete information of Admission Rules to First Year Degree Course in Engineering / Technology.

4.ALLOTMENT OF SEATS

The allotment of the seats will be done on the basis of the score of MHT-CET 2016 as follows:

4.1 Maharashtra State Candidature Candidate (2.1)

I All the Maharashtra state candidature candidates will be considered for allotment of seats as per their Inter-Se Merit.

ii. After completion of all the above candidates, if the seats remain vacant then such seats will be considered for allotment to the Diploma candidates based on Inter-Se Merit of MHT- CET 2016 and further, if the seats remain vacant, such seats will be considered for allotment to the Bachelor of Science candidates based on Inter-Se Merit of MHT- CET 2016.

4.2 All India Candidature Candidate (2.2)

Further if the seats still remain vacant, such seats will be considered for allotment to the All India Candidature candidates based on inter-Se Merit of MHT- CET 2016 and then if the seats remain vacant on the basis of JEE (Main) 2016 – Paper I.

4.3 Jammu and Kashmir Migrant Candidature Candidate (2.4)

Further if the seats still remain vacant, such seats will be considered for allotment to the Jammu and Kashmir Candidature candidates based on inter-Se Merit of MHT-CET 2016 and then if the seats remain vacant on the basis of JEE (Main) 2016 – Paper I.

The allotment of the seats for NRI candidature candidate will be done on the basis of the score of HSC or it sequivalent examination.

5. PREPARATION OF MERIT LIST

5.1 Assignment of Merit Number

A. For Maharashtra State Candidate, All India Candidate and Jammu and Kashmir Migrant Candidate

All the eligible Maharashtra State Candidate who have appeared for MHT-CET 2016 and submitted ApplicationForm on or before the last date specified for thesubmission of Application Form for Admission through Institute Quota will be assigned a merit number.

The merit list for the Candidates as per rule 2.1, 2.2 and2.4 of these rules, will be prepared on the basis of marks or score secured by the Candidate in the MHT-CET 2016 conducted by the Competent Authority or marks or score secured in any other examination conducted by the concerned appropriate authority for the purpose of admission to the engineering course.

In case of tie, the relative merit of Candidates will be resolved in the following order of preference and the methodology as specified below:

i. A candidate securing higher marks in Mathematics at MHT- CET 2016;
ii. A candidate securing higher marks in Physics at MHT- CET 2016;
iii. A candidate securing higher percentage of marks in Board or qualifying examination for Physics, Mathematics and Chemistry taken together;
iv. A candidate securing higher percentage of marks in the subject of Mathematics at HSC;
v. A candidate securing higher percentage of marks in the subject of Physics at HSC;
vi. A candidate securing higher percentage of marks in Aggregate at HSC;
vii. Candidate's Date of Birth (Elder Candidate will be given preference).

b. For NRI Candidates:

The merit list for the NRI Candidates stated at rule 2.3 shall be prepared on the basis of thepercentage of marks in the subjects Physics, Chemistryand Mathematics added together at Qualifying examination:

In case of tie, the relative merit of Candidates shall be resolved in the followingorder of preference and the methodology as specified below:—

I A candidate securing higher percentage of marks in Board or qualifying examination for Physics, Mathematics and Chemistry taken together;
ii. A candidate securing higher percentage of marks in the subject of Mathematics at HSC;
iii. A candidate securing higher percentage of marks in the subject of Physics at HSC;
iv. A candidate securing higher percentage of marks in Aggregate at HSC;
v. Candidate's Date of Birth (Elder Candidate will be given preference).

5.2 Change of Marks due to verification

If the marks in the qualifying examination are modified due to verification and the same is duly certified by the concerned Competent Authority or Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent, the same shall be reported to the Principal immediately. However, the effect of such change in marks will be taken in to consideration only for the subsequent rounds of admission.

5.3 Method of calculating marks at qualifying examination for deciding eligibility

While deciding the eligibility of the Candidates following procedure will be adopted:—

i. The percentage of marks shall be calculated by rounding off to two places after decimal and if the percentage of marks comes out to be 44.50% to 44.90% then it shall be rounded to 45% and if the percentage of marks comes out to be 44.01% to 44.49% shall be rounded to 44% for deciding the eligibility.

ii. In case the maximum marks in an individual subject is other than 100, convert the marks out of 100 for individual subject without rounding, if sum of the converted marks of individual subjects without rounding off works out to be a figure with fraction then fraction up to two decimal places shall only be considered for calculation of percentage of marks considering maximum marks as 300 and, if the percentage comes in fraction, then rounding off shall be done as above to decide the eligibility.

iii. If letter grades are assigned at SSC, HSC, Diploma, Bachelor of Science or its equivalent examination, the Candidate must submit the certificate of conversion of letter grades into equivalent marks from the concerned Competent Authority or Board at the timeof submission of Application Form. The eligibility will be decided on the basis of equivalent marks.

iv. If the Candidate reappears for the qualifying examination with all subjects then themarks obtained in the latest examination will only be considered.

6. ADMISSION PROCESS

In accordance with the advertised date on the website and the advertisement in the newspapers, candidate has to follow the following steps for obtaining a seat in the interested degree program.

i. The eligible candidates are required to purchase the Application Kit from college by making a payment of Rs. 2000/- (Rupees Two Thousand Only) in **CASH towards the application processing fees**.

ii. The Application Kit includes the following:
   - § A data sheet for admission details.
   - § A brochure detailing the information required forsecuring admission in TSEC.

iii. The Application Kit is Non-Transferable and amount is Non-Refundable.

iv. The eligible candidate needs to submit the completely filled data sheet along with a set of self-attested photocopy ofall relevant documents and a photocopy of the duly filled data sheet to the college on or before the date of final submission as mentioned in advertisement and college website.

v. Candidate can claim only one type of candidature while submitting the application form.

vi. After submission of the Application Data Sheet information cannot be changed by the candidate.

vii. Any falsification found in data submitted by the candidate for seeking admission shall result in cancellation of the candidature from the admission process.

viii. The Provisional Merit List of the eligible candidates will be displayed on the College website and notice board.

ix. In case of any discrepancy found in the Provisional Merit List, the candidate can submit the grievances in written along with the required documents within the specified grievance period given in the schedule.

x. Final Merit List will be displayed on the College website and notice board.

xi. On the day of admission round, the admitted candidates should submit the following:
   - § DD of College fees mentioned in the brochure
   - § Five sets of un-attestedphotocopy of all relevant documents (delayed submissions shall be allowed sparingly on prior approval by college authority)
   - § Originals of all relevant documents
   - § A passport-sizerecent photograph.

7. DOCUMENTS REQUIRED

The candidates are required to carry ALL Original Certificates / Documents in support of their claim at the time of submitting duly filled Application Form and also during the Admission Rounds.

Documents required to be submitted by all the candidates:

i. DTE Registration Form acknowledged by Facilitation Centre.
ii. Score Card of MHT-CET 2016 / JEE (Main) 2016 Paper 1.
iii. Aadhaar Card
iv. Statement of Marks obtained at S.S.C./X or its equivalent qualifying examination.*
v. Statement of Marks obtained at H.S.C./XII or its equivalent qualifying examination.*
vi. Statement of Marks obtained at Diploma or its equivalent qualifying examination for diploma candidates.
vii. Statement of Marks obtained at Bachelor of Science or its equivalent qualifying examination for B.Sc. candidates.
viii. College Leaving Certificate (H.S.C.) or Transfer Certificate.
ix. The certificate of Indian Nationality wherein the candidate ordinarily resides. In lieu of the "Certificate of Indian Nationality" any one of the following certificates/documents will also be acceptable.
   - § Indian Passport in the name of the candidate, issued by appropriate authorities.
   - § The College Leaving Certificate indicating the Nationality of the candidate as 'Indian'.
   - § Birth certificate of the candidate indicating the place of birth in India.

In addition to the above documents candidates are required to produce the following additional documents depending on the category to which they belong.

A. For Type-A candidates

Domicile / Birth / College Leaving Certificate of candidate indicating place of birth the State of Maharashtra.

B. For Type-B candidates

Domicile certificate of candidate or father or mother of candidate indicating that he or she is domiciled in the State of Maharashtra.

C. For Type-C candidates

Certificate from the employer stating that father or mother of candidate who is a Central Government or Government of India undertaking employee is presently posted in or outside Maharashtra.

D. For Type-D candidates

Certificate from the employer, stating that, father or mother of candidate who is a Maharashtra State Government or Maharashtra State Government undertaking employee.

or

Undertaking along with documentary evidences from the retired employee stating the place of settlement.

E. For Type-E candidates

Certificate stating that the candidate belongs to the disputed border area and the mother tongue is Marathi.

F. Backward Class candidates

Caste Certificate and Caste /Tribe validity certificate.

G. All India Candidature candidates

Eligibility certificate from concerned University.

H. NRI candidates

- § Eligibility certificate from concerned University.
- § Certificate or Proof of NRI Status

I. Jammu and Kashmir Migrant candidates

- § Certificate of posting in case of defence and Government servants in proforma – J **
- § Certificate of stay in refugee camp for those staying in camp in proforma – K **
- § Certificate stating that the candidate belongs to displaced family in proforma – L **

J. Persons with Disability candidates

- § Certificate in the proforma - F / F-1 **

Note:

* - If letter grades are assigned at SSC, HSC, Diploma, Bachelor of Science or its equivalent examination, the Candidate must submit the certificate of conversion of letter grades into equivalent marks from the concerned Competent Authority or Board at the time of submission of Application Form. The eligibility will be decided on the basis of equivalent marks.

** - The Proforma of various documents are to be taken from the DTE Information Brochure.

8. RETENTION OF ORIGINAL CERTIFICATES

If the candidate is offered admission, his or her original College Leaving Certificate (post qualifying examination) and Statement of Marks at the qualifying examination will be retained by the College. Against which retention certificate will be issued to the candidates willing to apply elsewhere. These two original certificates will not be returned to any candidate once admitted to a course unless the candidate can celshis or her admission or completes the entire course.

9.FEES, CANCELLATION AND REFUND

The Interim Fee structure for the academic year 2016-17 shall be as follows:

Sr. No.	Particular	Amount (Rs.)
1	Tuition Fees *	**120909**
2	College Development Fees	**12091**
3	Mumbai University Enrolment/Eligibility Fees	**220**
4	Marksheet Verification Fees	**100**
5	Mumbai University Other Fees	**536**
6	Insurance	**681**
	Total	**134540**

*Interim Fees for the academic year 2016 – 17 shall be subject to change as per the decision of the Fee Regulation Authority. The Final Fee approved and published by the Fee Regulating Authority for that year shall be the fee payable by the candidate for the course for that academic Year.

10.MODE OF PAYMENT OF FEES

§ The candidate who has been offered a seat in the college shall pay the prescribed fees in the form of D.D.(Demand Draft) / Pay Order / Bankers Cheque of any schedule bank only, drawn in favor of "**THADOMAL SHAHANI ENGINEERING COLLEGE, MUMBAI**"

§ No other mode of payment shall be permitted.

§ The fees shall be paid by the admitted candidate during the process of admission as per the guidelines given.

11. CANCELLATION OF ADMISSION AND REFUND OF FEES

The candidate should have taken admission by paying necessary tuition fee and should have submitted original certificates before he/she applied for cancellation. Incase candidate fails to submit any of the original documents within the allowed time limit i.e. 4 working days after the date of admission, the admission shall be treated as cancelled. Refund of fees shall not be applicable to such candidates. Delayed submissions of the original documents shall be allowed sparingly on prior approval by college authority.

If the candidate desires to cancel his or her admission for any reason whatsoever during the Admission Process, he or she shall be allowed to do so and it shall be presumed that admission is cancelled at that stage.

The candidate desirous of canceling admission after the admission rounds shall apply for cancellation in writing and shall also give the reason for cancellation of admission.

The candidate cancelling admission shall forfeit the candidature and no longer be considered for the admission offered by the Competent Authority during the current year and fees shall be refunded to the candidate after deducting an amount as prescribed by State Common Entrance Cell, Directorate of Technical Education.
The refund of fees before the cut-off date of admission shall be made within two days after deduction of the processingcharges of Rs.1000/- (Rupees One Thousand Only).

If the admission is cancelled after the cut-off date of admission, there shall no refund.

12.VACANCY ROUND

Unfilled seats if any, from CAP/Institute rounds made by the Directorate of Technical Education and College will be notified through a leading new paper and the details for the same will be displayed on the college notice board and website.

13.MISCELLANEOUS

§ The medium of instruction for degree course in Engineering and Technology is English.

§ Admission of candidate (other than those passed H.S.C. from Maharashtra Board) who has been admitted will be treated as finally confirmed only on production of the Eligibility Certificate from the University of Mumbai.

§ Physical fitness: Head of the institution at his or her discretion may refer any candidate to the appropriate medical authority for ascertaining the physical fitness of the candidate to undergo the requirements of the course. The report of medical authority shall be submitted to the Regional Head of Technical Education for further necessary action. It is to be noted that physically handicapped candidates are not provided with any additional facilities as far as academic activities pertaining to the course are concerned.

§ Head of the institute may verify the an tecedents of any candidate through the appropriate police authority. The report received from police authority shall be submitted to the Regional Head of Technical Education for further necessary action.

§ Any issue not dealt herein above will be dealt with, when arising, fully and finally by the Principal.

14.HOTEL ACCOMMODATION

Hostel facility is not available in the campus. However assistance shall be extended to the students seeking accommodation in Mumbai suburbs.

15.CONDUCT AND DISCIPLINE

§ Failure of the candidate in making full and correct Statements in the application form and/or suppression of any information and/or submission of false documents shall lead to disqualification of the candidate from the entire admission procedure. Such a candidate will be debarred from the examination as well as the entire selection process. Therefore the candidate is required to make only such claims which could be substantiated by relevant original documents.

§ Notwithstanding anything contained in these guidelines, if the Government takes any policy decision pertaining to F.E. admissions, then the same shall be brought into effect at that point of time as per the directives from the Government from time to time.

§ The students while studying in college, if found indulging in anti-national activities contrary to the provisions of Acts and Laws enforced by Government or in any activity contrary to rules of discipline, will be liable to be expelled from the College without any notice by the Principal of the College.

§ **Action Against Ragging**

a. **Ragging within or outside of any educational institution is prohibited.**

b. Who-so-ever directly or indirectly commits, participates in, abets, or propagates ragging with in or outside any educational institution shall, on conviction, be punished with imprisonment for a term up to 2 years and / or penalty which may extent to ten thousand rupees.

c. Any student convicted of an offense of ragging shall be **dismissed** from the educational institution and such student shall not be admitted in any other education institution for period of five years from the date of order of such dismissal.

d. Whenever any student or, as the case may be, the parent or guardian or a teacher of an education institution complains, in writing, of ragging to the head of the educational institution, the head of the institution shall, without prejudice to the for ego ing provisions, within seven days of the receipt of the complaint, enquire into matter mentioned in the complaint and if, prima facie, it is found true, suspend student who is accused of the offence, and shall, immediately forward the complaint to the police station having jurisdiction over the area in which the educational institution is situated, for further action. Where on enquiry by the head of the education institution, it is found that there is no substance, prima facie, in the complaint received; he/she shall intimate the fact in writing to the complainant. The decision of the head of the institution shall be final.

e. If the head of educational institution fails or neglects to act in the manner specified in section "d" above when a complaint of ragging is made, such person shall be deemed to have abetted the offence and shall, on conviction, be punished as provided for in section "b" above.

UNDERTAKING:

All candidates who have applied for admission shall be deemed to have submitted the following undertaking:

I have read all the Rules of Admission and after understanding these rules thoroughly, I have filled-in the application form for admission for the current year.

The information given by me in my application is true to the best of my knowledge and belief. I understand that if any of the statements made by me in the application form or any information supplied by me in connection with my admission is later on at any time, found to be false or incorrect, my application will be cancelled, fees forfeited and I may be expelled from the College by the Principal.

a) I have not been debarred from appearing at any examination held by the Government Constituted or Statutory Examination Authority in India.

b) I fully understand that the offer of a course will be made to me depending on my inter se merit and availability of a seat at the time of scrutiny of my application, when I will actually report to the admission authority according to the schedule of admission.

c) I understand that no document after the last date of submission will be entertained for the purpose of claims or concessions etc. in connection with my admission unless otherwise mentioned in the rules.

d) I am fully aware that the Competent Authority or its representative will not make any correspondence with me regarding admission. I am also aware that it is entirely my responsibility to see the notice board and Web-site of concerned Admission Centre.

e) I am aware that any rule imposed by the University such as "imposing limits on the number of attempts permission to pass any examination" shall be binding on me.

f) I hereby agree to confirm to any Rules, Acts, and Laws enforced by Government and I hereby undertake that I will do nothing either inside or outside the College which may result in disciplinary action against me under these Rules, Acts, Laws referred to.

g) I fully understand that the Principal of College, has right to expel me from the College for any infringement of the rules of the conduct and discipline prescribed by the College or University or Government and the Undertaking given above.

h) Condition of minimum attendance: I am fully aware that my Academic Term shall not be granted and I will not be allowed to appear for examination if I do not attend minimum 75 percent classes of theory, practical, drawing etc. (100% attendance will be appreciated). I am also aware that I will not be allowed to appear for the examination, if I fail to submit satisfactorily all the assignments, jobs, journals, drawings, reports as specified by the University within the stipulated time limit.

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

New Delhi

NOTIFICATION

Dated 01-07-2009

Sub: Prevention and prohibition of Ragging in technical Institutions, Universities including deemed to be Universities imparting technical education.

F.No.37-3/Legal/AICTE/2009 – In exercise of the powers conferred under Section 23 read with Section 10 (b), (g), (p) and (q) of AICTE Act, 1987, the All India Council for Technical Education, hereby makes the following Regulations:-

1. Short title and commencement:-

These Regulations may be called the All India Council for Technical Education (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009.

They shall come into force on the date of the notification.

2.Objectives:-

In view of the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009 to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the All India Council for Technical Education,(AICTE) brings forth these Regulations.

3.Definitions:-

"Act" means the All India Council for Technical Education Act 1987 (52 of 1987);

"**Technical Institution**" means an institution of Government, Government Aided and Private (self financing) conducting the courses/programmes in the field of technical education, training and research in Engineering, Technology including MCA, Architecture, Town Planning, Management, Pharmacy, Hotel Management & Catering Technology, Applied Arts & Crafts and such other programmes and areas as notified by the Council from time to time;

'**University**" means a University defined under clause (f) of section 2 of the University Grants Commission Act, 1956 and includes an institution deemed to be a University under section 3 of that Act.

"**Academic year**" means the period from the commencement of admission of students in any course of study in the institution up to the completion of academic requirements for that particular year.

"**Head of the institution**" means the Vice-Chancellor in case of a university or a deemed to be university, the Principal or the Director or such other designation as the executive head of the institution or the college is referred.

"**Fresher**" means a student who has been admitted to an institution and who is undergoing his/her first year of study in such institution.

Words and expressions used and not defined herein but defined in the Act or in the General Clauses Act, 1887, shall have the meanings respectively assigned to them in the Act or in the General Clauses Act, 1887, as the case may be. And

All other words and expressions used herein and not defined but defined in the All India Council for Technical Education Act, 1987 (52 of 1987), shall have the meanings respectively assigned to them in the said Act;

4. What constitutes Ragging: - Ragging constitutes one or more of any of the following acts:

any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;

indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;

asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;

any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.

any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;

any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

any act or abuse by spoken words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;

any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

5. Measures for prevention of ragging:-

It shall be mandatory for every technical Institution, University, deemed to be University imparting technical education to take following measures for prevention of ragging at such institutions.

1. The advertisement issued for admission by a technical institution, University including Deemed to be University concerned and/or the admission authority/ affiliating University/State Govt./UT/Central Govt. as the case may be, shall clearly mention that ragging is totally banned and anyone found guilty of ragging and/or abetting ragging is liable to be punished.

2. The 'Prospectus' and other admission related documents shall contain directions of the Supreme Court Affiliating University/admission Authority/State Govt/Central Govt. shall make it mandatory for the institutions under their jurisdiction to compulsorily incorporate such information in their 'Prospectus'. These Regulations shall be printed in the brochure of admission/instruction booklet for candidates.

3. The application form for admission/enrolment shall have a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages. The affidavit should be filled up and signed by the candidate to the effect that he/she is aware of the law regarding prohibition of ragging as well as the punishments, and that he/she, if found guilty of the offence of ragging and/or abetting ragging, is liable to be punished appropriately.

4. The application form shall also contain a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages and the affidavit should be signed by the parent/guardian of the applicant to the effect that he/she is also aware of the law in this regard and agrees to abide by the punishment meted out to his/her ward in case the latter is found guilty of ragging and/or abetting ragging.

5. The application for admission shall be accompanied by a document along with the School Leaving Certificate/Character Certificate which shall include a report on the behavioral patter of the applicant, so that the institution can thereafter keep intense watch upon the student who has a negative entry in this regard.

6. A student seeking admission to the hostel shall have to submit another affidavit along with his/her application for hostel accommodation that he/she is also aware of the law in this regard and agrees to abide by the punishments meted out if he/she is found guilty of ragging and/or abetting ragging.

7. Every technical institution, University including Deemed to be University imparting technical education shall maintain a proper record of the affidavits obtained to ensure its safe up keep thereof, including digital copies of the affidavits and such digital copy should be made available to the AICTE or to an Agency identified/nominated by AICTE.

8. The AICTE or an Agency identified/nominated for the purpose and affiliating Universities and Directorate of Technical Education of the concerned State Govt./UT shall maintain an appropriate data base of the affidavits in the digital form obtained from every student at the time of admission to the technical institutions, Universities including Deemed to be Universities imparting technical education.

9. Each batch of freshers should be divided into small groups and each such group shall be assigned to a member of staff. Such staff member should interact individually with each member of the group on daily basis to ascertain the problems/difficulties, if any faced by the freshers in the Institution and extend necessary help.

10. In case of freshers admitted to a Hostel it shall be the responsibility of the teacher in charge of the group to co-ordinate with the warden of the Hostel and to make surprise visits to the rooms in the hostel where the members of the group are lodged. Fresherss hould be lodged in a separate hostel block wherever possible and where such facilities are not available, the college/institution shall ensure that seniors' access to fresher's accommodation is strictly monitored by wardens, Security Guards and Staff.

11. Every institution should engage or seek the assistance of professional counselors at the time of admissions to counsel 'fresher' in order to prepare them for the life ahead, particularly for adjusting to the life in hostels. At the commencement of the academic session the Head of the technical Institution, University including Deemed to be University imparting technical education shall convene and address a meeting of various functionaries/agencies, like Wardens, representatives of students, parents/guardians, faculty, district administration including police, to discuss the measures to be taken to prevent ragging and steps to be taken to identify the offenders and punish them suitably.

12. Every fresher admitted to the technical Institution, University including Deemed to be University imparting technical education shall be given a printed information booklet detailing when and whom he/she has to turn to for help and guidance for various purposes (including Wardens, Head of the institution, members of the anti-ragging committee, relevant district and police authorities), addresses and telephone numbers of such persons/authorities, etc.

13. The technical institutions, University including Deemed to be University imparting technical education through the information booklet mentioned above shall explain to the new entrants the arrangements for their induction and orientation which promote efficient and effective means of integrating them fully as students.

14. The information booklet mentioned above shall also tell the freshers about their rights as bona fide students and clearly instructing them that they should desist from doing anything against their will even if ordered by the seniors, and that they have nothing to fear as the institution cares for them and shall not tolerate any atrocities against them.

15. The information booklet mentioned above shall contain a calendar of events and activities laid down by the institution to facilitate and complement familiarization of juniors with the academic environment of the institution.

16. To make the community at large and the students in particular aware of the dehumanizing effect of ragging, and the approach of the institution towards those indulging in ragging, big posters (preferably with different colors for the provisions of law, punishments, etc.) shall be prominently displayed on all Notice Boards of all departments, hostels and other buildings as well as at vulnerable places Some of such posters shall be of permanent nature in certain vulnerable places.

17. The technical Institution, University including Deemed to be University imparting technical education shall request the media to give adequate publicity to the law prohibiting ragging and the negative aspects of ragging and the institutions 's resolve to ban ragging and punish those found guilty without fear or favor.

18. The technical Institution, University including Deemed to be University imparting technical education shall identify, properly illuminate and man all vulnerable locations.

19. The technical Institution, University including Deemed to be University imparting technical education shall tighten security in its premises, especially at the vulnerable places. If necessary, intense policing shall be resorted to at such points at odd hours during the early months of the academic session.

20. The technical Institution, University including Deemed to be University imparting technical education shall utilize the vacation period before the start of the new academic year to launch wide publicity campaign against ragging through posters, information booklets, seminars, street plays, etc.

21. The faculties/departments/units of the technical Institution, University including Deemed to be University imparting technical education shall have induction arrangements (including those which anticipate, identify and plan to meet any special needs of any specific section of students) in place well in advance of the beginning of the academic year with a clear sense of the main aims and objectives of the induction process.

22. Mobile Phones and other communication devices may be permitted in residential areas including hostels to provide access to the students particularly freshers, to reach out for help from teachers, parents and Institution authorities.