



THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE



2021-2022
ADMISSION PROSPECTUS

www.tsecadmission.org

BRIEF HISTORY OF TSEC

TSEC

(SINCE 1983)



About TSEC

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

It offers a 4-year Bachelor of Engineering (B.E.) Degree program in Information Technology, Computer Engineering, Electronics & Telecommunication, Artificial Intelligence & Data Science, and Chemical Engineering. The College offers a Ph.D. program in the subject of Information Technology, Computer Engineering, Electronics & Telecommunication. At present we are enrolled with 40 research Scholars.





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9. Nominee of State Government

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10. Dr. Ashwini Kunte

(Professor)

11. Mr. Chetan Agarwal

(Assistant Professor)

12. Dr. G. T. Thampi

(Member Secretary of Board of
Governors, Principal TSEC.)

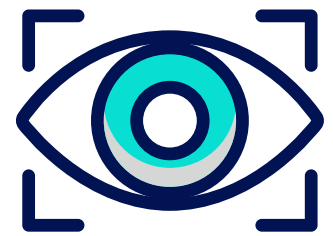
Principal's Note



Dr.G.T.Thampi
Principal, TSEC

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 impending 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 prizes all over the country and our wholehearted congratulations.

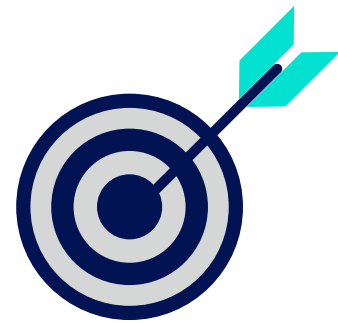
VISION



Perpetuating and transcending the process of

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

CONTENTS

➤ Departments	01
➤ Placement Statistics	15
➤ Our Recruiters	16
➤ Social Responsibility	17
➤ Life at TSEC	19
➤ TSEC Initiatives	21
➤ The expectation of Industry from higher educational institutes	22
➤ TSEC Alumni Association	23
➤ Excellence of Research	27
➤ Continuing Education Program	28
➤ All India Council for technical education	30
➤ Colleges managed by the board	34
➤ Why Engineering Is still the most preferred educational program	35
➤ Reach out to us	36

Department



Artificial Intelligence & Data Science

In the early '80s, scientists successfully conceived the idea of building intelligence to machines and software tools. They conceptualized self-configuring systems but failed to take off to build enterprise software artifacts in large-scale engineering practices eco-system was not matured enough to apply this knowledge in a judicious and profitable way.

Engineering institutes are expected to provide a supply chain of graduates with competencies in artificial intelligence and data science which is underpinning the knowledge of computer science. The curriculum is expected to discard peripheral subjects and incorporate subjects related to Artificial Intelligence and Data Science (AI & DS). Hence this process of building intelligence to existing systems is projected to last for few decades and the cream of youngsters shall seize the evolving opportunities by building competencies in AI technology.



Highlights

- ▶ Core competency in emerging areas of Artificial Intelligence, Machine learning, Data Analytics and Block Chain Technologies.
- ▶ Advanced laboratory facilities
- ▶ Structured course curriculum
- ▶ Well experienced, passionate, and highly qualified faculty
- ▶ Hand holding of learners to help unleash their innate potential and help them in career guidance Higher Education in US Universities

Infrastructure

- ▶ Good computing environment
- ▶ Excellent laboratories
Centre of Excellence in Cloud computing, Block Chain Technologies, Artificial Intelligence, Data Science, and analytics

Strengths

- ▶ Global market place experiences massive shortage of Human capital for manning projects worth multibillion dollars and We are the first movers in the country to offer Degree program in Artificial Intelligence & Data Science
- ▶ We could see what is coming in the computational technology space and we started training our faculties in these emerging technologies much in advance / much before the big splash of these new age and compelling technologies
- ▶ We are having the template for initiating the students to project based / problem-based learning and orienting all learners to wards building intelligence to all existing software systems and into futuristic solutions especially through collaborative projects / and hackathons



Department

Computer Engineering

The computer engineering department of Thadomal Shahani Engineering College was established in the year 1984 and has grown over the years to emerge as an academic entity of excellence in computational technologies. We developed newer competency brick by brick to assimilate and internalize nascent technologies to make our graduate abreast with technologies of the time to be relevant and productive in the marketplace.

The Department had been pioneering in starting the first Post Graduate program in Computer Engineering in self-financing affiliating Engineering College of University of Mumbai. The department has also started Ph.D. program with an intake of 10 students from the academic year 2014-15.



Highlights

- ▶ Classrooms are air-conditioned and embedded with facilities for blended learning
- ▶ Centre of Excellence in Artificial Engineering and Cyber Security
Core competency in AI-enabled Image Processing, Project management and IOT drove Supply chain management.
- ▶ Managing and augmenting the Computer Society of India (CSI) activities and leveraging the same as the gateway to the outside world of Engineering practices in the realm of digital technologies.

Infrastructure

- ▶ Cloud Computing Lab
- ▶ Artificial Intelligence Lab
- ▶ Advanced Database Lab
- ▶ Software Engineering Lab
- ▶ Networking and cyber-Security Lab
- ▶ Data Structures & Algorithms Lab
- ▶ Communication & IOT Lab
- ▶ Image Processing & Soft Computing Lab
- ▶ Project Lab





Strengths

- ▶ Market savvy Faculties with high level of exposure to industries and businesses
- ▶ Long years to experience for the Department as a whole and learning during these years are documented and approximating to a knowledge management practices
- ▶ Core competency in hand holding pupils for successful and valued campus placements
- ▶ Channelizing learners' curiosity and creative abilities to reach high echelons to human endeavor to unravel the mysteries of the Technology Driven world at large
- ▶ Faculties are trained to be resilient in unlearning old paradigms and relearn newly evolving practices / nascent technologies
- ▶ Department remain focused to be a destination of center of excellence and offering all-encompassing solutions to a course in Computer engineering in the city of Mumbai



Department

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.



Highlights

- ▶ NBA accredited
- ▶ Good computing environment
- ▶ Smart board facilities to improve teaching learning process.
- ▶ Core competency in emerging areas of Artificial Intelligence, Machine learning, Data Analytics and Block Chain Technologies.
- ▶ Advanced laboratory facilities
- ▶ Structured course curriculum
- ▶ Well experienced, passionate, and highly qualified faculty

- ▶ Hand holding of learners to help unleash their innate potential and help them in career guidance / Higher Education in US Universities

Infrastructure

- ▶ Programming Lab
- ▶ Project Lab
- ▶ Software Engineering Lab
- ▶ IoT and Embedded Programming Lab
- ▶ Database and Big Data Analytics Lab
- ▶ Cloud computing and DevOps Lab
- ▶ Network and Infrastructure Lab
- ▶ Artificial Intelligence and Data Science Lab





Strenghts

- ▶ Faculties with competency in nascent technologies of Artificial Intelligence, Block chain and quantum computing and continues to succeed in research publication on these areas
- ▶ 35% faculties with Ph.D. qualifications, another 35 % verge of completing their Ph.D. programs
- ▶ Senior faculties with an average experience of 15 years with high level of empathy for productive learner engagement
- ▶ Ph.D. program with an intake of 20 students and 16 research scholars are conferred with Ph.D. degree in Information Technology
- ▶ 100% internships getting offered to students
- ▶ 100% Placement of students who opt for campus placement
- ▶ Undertake consultancy in Network Management
- ▶ Strong research culture and succeeds in initiating senior students to research and publication



Department

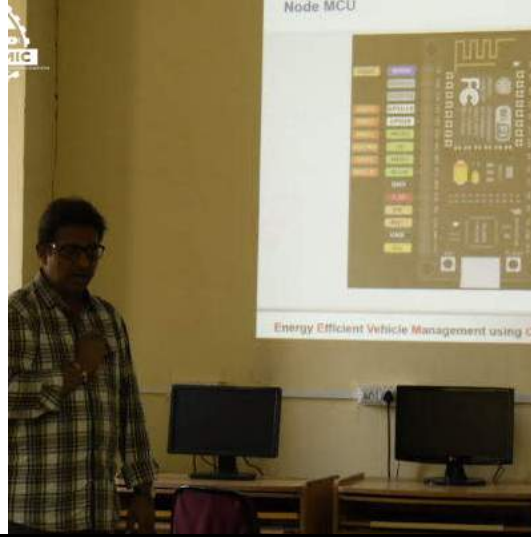


Electronics & Telecommunication

Department of Electronics and Telecommunication was established in the 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 with the student intake of 120. From 2002 Student intake is 60.

The curriculum of the program has been designed to cater to the ever-changing needs and demands of the communication industry. The focus is on holistic learning and empowering students to make significant contributions at all levels.

The department aims to provide a program of high quality to develop outstanding managers and technocrats who will make a valuable contribution to the global business and society to suit their ever-changing needs by fostering technology worldwide.

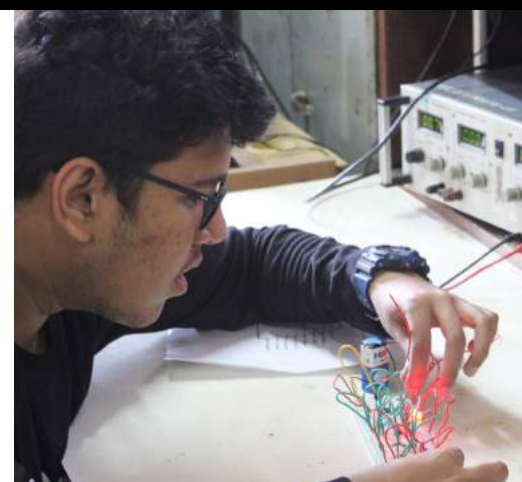
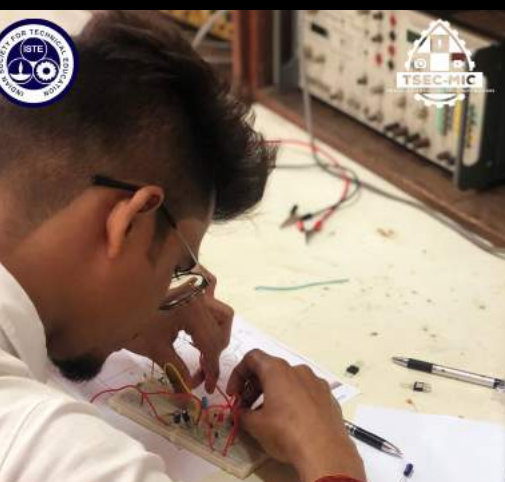


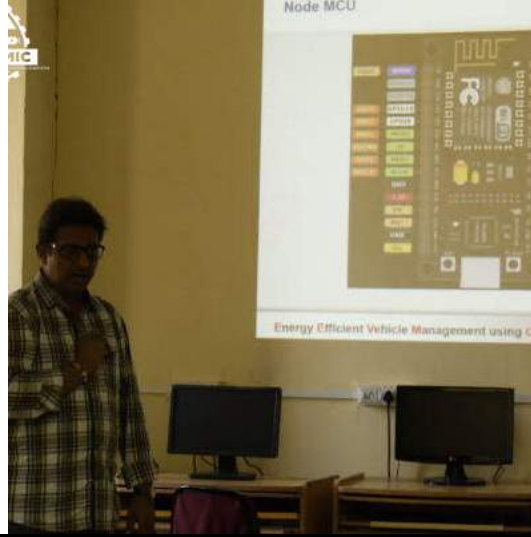
Highlights

- ▶ NBA accredited
- ▶ Good electronics and telecommunication oriented environment
- ▶ Adequate lab facilities

Infrastructure

- ▶ Software Simulation Lab
- ▶ Embedded System Lab
- ▶ Project Lab
- ▶ Analog Electronics Lab
- ▶ Communication Lab I
- ▶ Communication Lab II
- ▶ Communication Lab IV
- ▶ BEE Lab



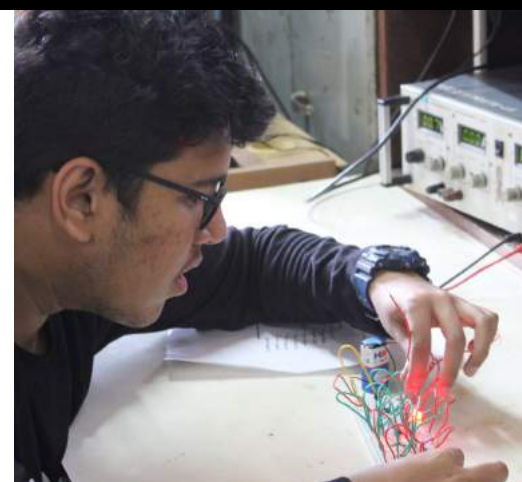
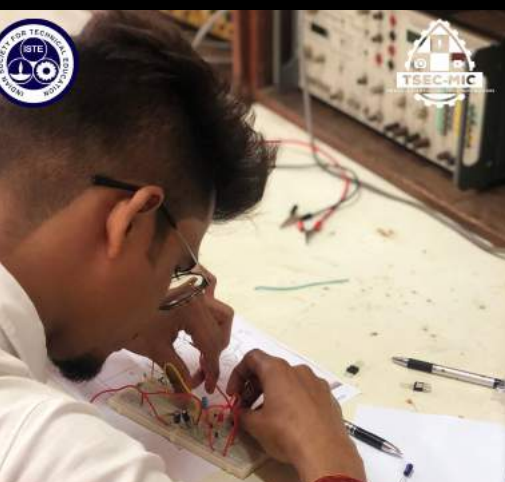


Strengths

- ▶ Highly qualified faculty having expertise in a broad range of modern EXTC fields.
- ▶ Strong research potential with proven records of high-quality research, relatively good faculty members in research; active faculty publication activities.
- ▶ PhD program with an intake of 10 students
- ▶ Excellent administrative support
- ▶ Students forums like IETE (Institution of Electronics and Telecommunication Engineering) and ISTE (Indian Society

for Technical Education) to help students learn various technical skills beyond the syllabus.

- ▶ More number of student participation in internships
- ▶ Department is active in research funding from the university in terms of a minority research grant

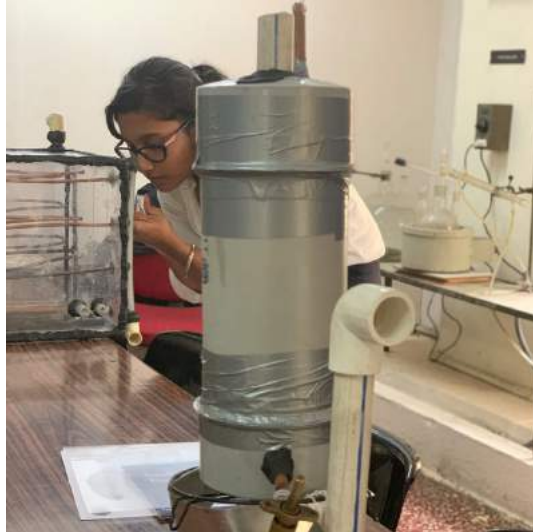


Department



Chemical Engineering

The journey of the Chemical Engineering Department in TSEC was started right from the inception of TSEC itself in 1983. Since then the department has grown by leaps and bounds and at present has a well-developed infrastructure that is up to the mark. The department is accredited by the National Board of Accreditation up to 30-06-2022. The department is now being run by a team of highly experienced faculty including 6 doctorates and 5 Masters, almost everybody graduated from reputed institutions like IITs, ICT, LIT, and who are supported by a 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 a suitable environment for the teaching learning process.



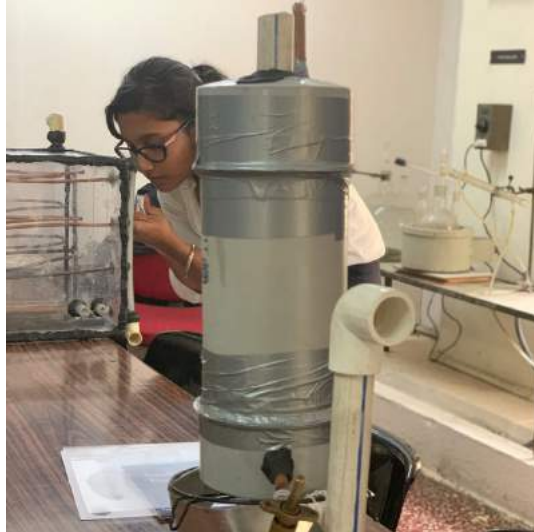
Highlights

- ▶ NBA accredited
- ▶ Highly qualified staff
- ▶ Regular webinar series
- ▶ Mandatory internship
- ▶ Satisfied alumni
- ▶ Mentoring by industry experts

Infrastructure

- ▶ Chemical reaction engineering lab
- ▶ Chemical technology lab
- ▶ Computer lab
- ▶ Environmental engineering lab
- ▶ Fluid flow operation lab
- ▶ Heat transfer operation lab
- ▶ Instrumentation Process Dynamics and Control Lab
- ▶ Mass transfer operations lab
- ▶ Solid fluid mechanical operation lab



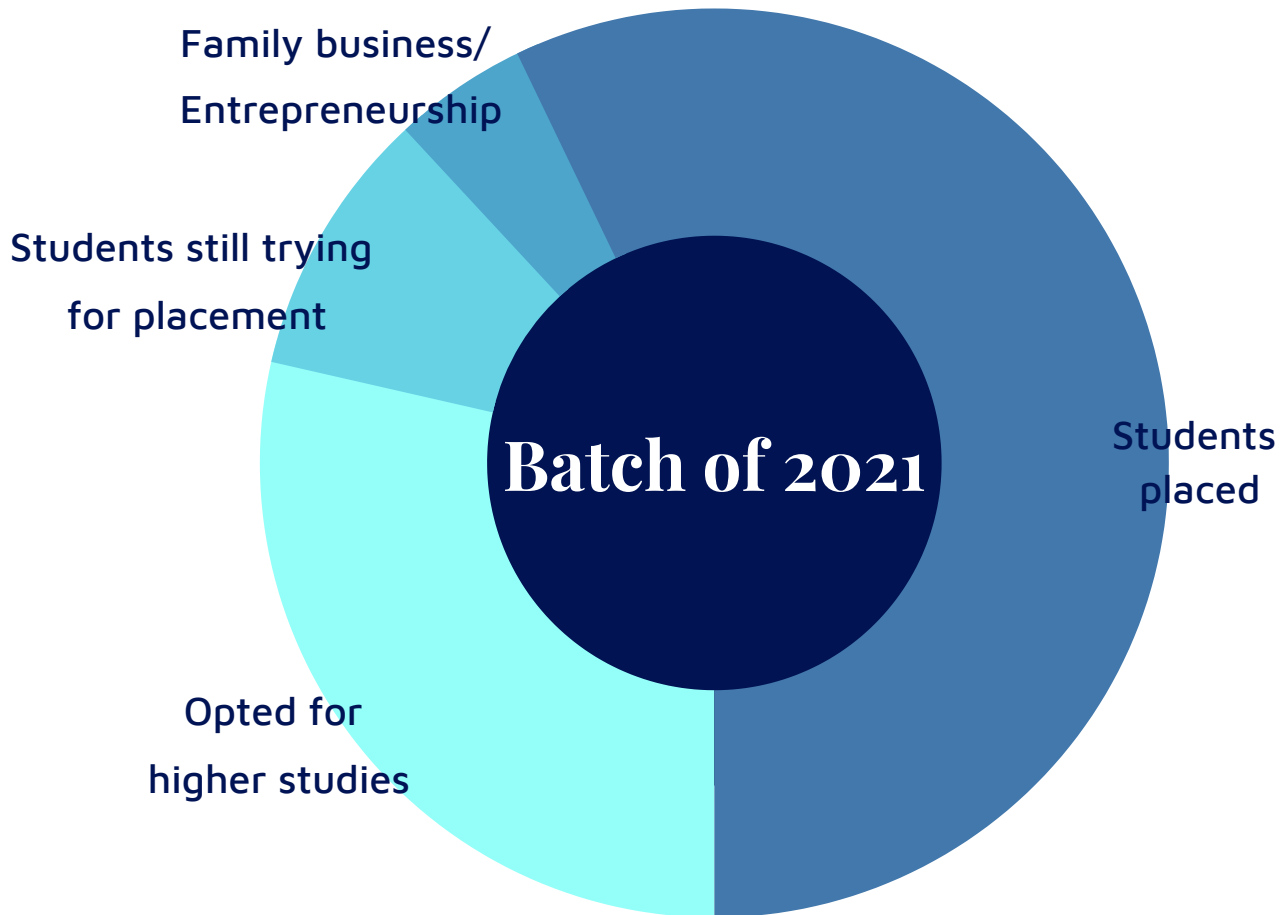


Strengths

- ▶ Full-fledged laboratories
- ▶ Highly qualified and experienced faculty
- ▶ Active student-faculty publication activities
- ▶ Department active in research funding from University in terms of minor research grant



Placement Statistics



Placement Summary for the year 2020-21

1. 90+ Companies carried out campus process hiring till date
2. Highest Package received on campus for 2021 batch till date: 19.63 LPA
3. Average package till date: 6.36 LPA
4. Many companies visited twice for the Campus placement process: Ernst & Young, LTI (infinity coding competition), Accenture (conducted off-campus process, C2LBIZ, Media.net, Quantiphi
5. New Companies to participate:- ICICI Securities, RBL Bank, Piramal Group, NSDL, Tata Advanced Systems, Expensing
6. Placement process is still ongoing for the 2021 batch

OUR CURRENT RECRUITERS

Morgan Stanley

 visible alpha

JPMORGAN
CHASE & CO.




TATA
TATA ADVANCED SYSTEMS

 BARCLAYS

 DOLAT CAPITAL

tcs



UBS


amd docs

TATA
CONSULTANCY
SERVICES



Deutsche Bank



Interactive
Brokers



Piramal


quantiphi
Solving What Matters

SECLORE
Securing Information Wherever It Goes

 accenture

 BillDesk

Capgemini



EY


Cogno AI

Deloitte.

Infosys®


SWAN
Solutions & Services

ANAND RATHI
INVESTMENT SERVICES



ICICI Securities




RBL BANK
apno ka bank

SOCIAL RESPONSIBILITY



Nukkad Nataak



Blood Donation Drive



Railway Station Painting: Bandra



Beach Cleaning



Nukkad Nataak

SOCIAL RESPONSIBILITY



Eco-Tourism



Tree Plantation



Weekly Coaching



Gram Utsav



Gram Utsav

LIFE AT TSEC



Talent Show



Trifles

Life at T.S.E.C. is not just limited to academic pursuits. T.S.E.C. provides an opportunity for the holistic development of students by promoting and facilitating activities from all spheres of life. Our students make us proud by winning national, state and district level sporting events. Some even win internationally acclaimed coding and hackathon competitions. Students often have published research papers before they graduate. Apart from all this, achievements in cultural activities and performances are common and very much appreciated by the institution. Students also participate in various social activities for giving back to society. Life at T.S.E.C. can guarantee Success, Professionalism, Intelligence and be Trendy.



Trifles



B.E. Dance

LIFE AT TSEC



Futsal



Futsal



Fashion Show



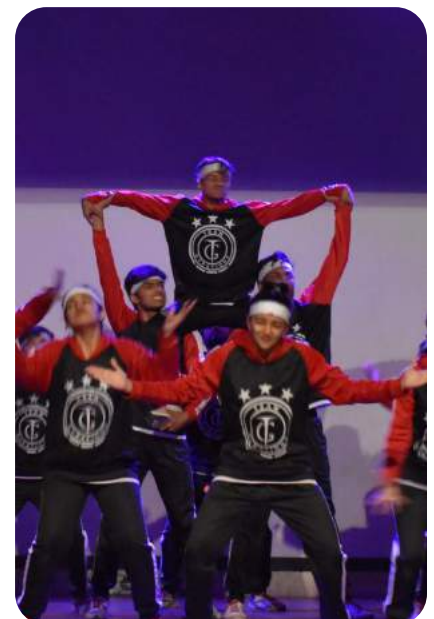
Tug Of War



Talent Show



Hackathon and Coding Competition



**National level
Dance Competition**

TSEC INITIATIVES

TSEC CODESTORM and TSEC CODECELL

TSEC engineered to create a student platform to keep the coding culture on a pedestal and coinciding with our efforts to reorient the academic ambience AICTE/ Ministry of Education / PMO initiated an activity to provoke graduating students to offer technology solutions to various governmental and quasi-governmental agencies in the same constrained manner. CodeStorm and Codecell have been entrusted with the mission of contributing to the cause of society at large through sustained learning and experiment emerging and converging technologies in a time-bounded by limits which in turn nudges the teams involved to push the envelope of acquiring new knowledge and competencies.



provides a proficient platform for coders and programmers of the future. TSEC CodeStorm / Codecell has been organizing the Hackathon since 2018, where programmers collaboratively code in an extremely time-bound manner to create working prototypes for solution seekers. These programs are celebrated across the nation and unleash massive creative energies to contribute to a fellow human being with a high degree of empathy and technological rigour. We as a professional education institute developed core competencies in various functional domains like Blockchain, Data Analytics, User Interface Design, Machine Learning, Artificial Intelligence, Web Development and Mobile App Development these proficiencies and expertise shall be on display during these hackathons events gets organized by CodeStorm and CodeCell.

EXPECTATION OF INDUSTRY FROM HIGHER EDUCATIONAL INSTITUTES

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

- Self-learning and capacity to remain focused for a set target
 - Emotional and intellectual integrity
 - Capacity to be a leader or as a follower in a group working to further the cause of enterprises.
 - Spiritual quotient, multiprocessing abilities, commitment to organisation growth
 - Frugal engineering
 - Capacity to work the system, loyalty, ICT savvy
 - Work culture, proficiency in sales, marketing acumen, understanding of digital technology, social media
 - 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 centres 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 breakthrough technologies and predict life cycles of products and processes
 8. Carry out actionable and low-cost research which can result in product and processes innovation
 9. Create a low-cost workforce that also can offer quality arbitrage
 10. Design a supply chain of undergraduates to work as interns to reduce the cost of production or service or offer cost arbitrage to the 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



““

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.

Vinay Israni
Information Technology (2007)



““

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.

Rajeev Butani
Electronics & Telecommunication (1993)



““

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.

Kiren Tanna
Information Technology (1999)



““

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.

Lavesh D. Manuja
Computer Engineering (2014)

““

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.

Sudhir Shenoy
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 IICChE during college days and today the youngest honorary regional secretary of IICChE Mumbai. Chemical Engineering Department is popular for organizing Chemergence, which promotes student to present their ideas and case studies.

Pratik Bhagat
Chemical Engineering (1994)



“”



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.

Girish Purswani
Information Technology (2013)

“”



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.

Mahesh Nair
Computer Engineering (2010)

“”



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.

Chandni Gidwani
Information Technology (2017)

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 the academic year 2015 -16.
- The institute's mission, in establishing a research program is iconoclastic in approach and demonstrating the much-hyped world of academic research in India that goes beyond the paradigm of adding to the body of knowledge.
- The 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 the Automation industry using ICT.
 - 9.Restructuring of enterprises to integrate the Internet of things for offering cost arbitrage and quality arbitrage.
 - 10.Image processing for agricultural / healthcare applications.

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-centred institutional structure and process layout
- System in place for continuous value addition
- Processes that 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
- Neighbourhood medical facility
- The high degree of parental facilitation, continual information about wards performance,
- Sensitization of their performance index.

CONTINUING EDUCATION PROGRAM

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 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 are 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 in sound ethical practices
- Promotion of Extracurricular activities to appreciate the collaborative effort and group dynamics. Sensitizing learners about the importance of Nation Building and value/ wealth creation for mankind at large
- Initiating them to product and process innovation leveraging converging technologies to remain competitive in the global marketplace.

All India Council For Technical Education

New Delhi,

Notification regarding ragging

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 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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.
- 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 year getting engaged in a classroom/college: | 4 Years |
| ▶ Expenditure incurred: | 2.5 Lacs per annum |
| ▶ Total expenditure incurred for the course: | Less than 10 Lacs |
| ▶ Compensation from industry/business on campus placement: | 10 Lacs per annum |
| ▶ Time required to recover the investment of four year program: | Less than 18 months |

Additional Benefits

- ▶ Productive 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



Reach out to Us!

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