About TSEC

Thadomal Shahani Engineering College - MUMBAI > Governing Council & Trust

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 – 400 050.

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. The Institutions managed by the Board and affiliated to the University of Mumbai are as follows:

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

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

Kishinchand Chellaram Law College, Churchgate, Mumbai-400020

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

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

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

Bombay Teachers' Training College, Colaba, Mumbai-400005

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

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

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

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

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

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

Nari Gursahani Law College, Ulhasnagar-421003

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

Institute of Technology, Ulhasnagar-421003

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

*In addition, there are several Higher Secondary and Secondary Schools.

College Profile - Established in 1983, Thadomal Shahani Engineering College (TSEC), founded by Hyderabad (Sind) National Collegiate Board, is recognized by Government of Maharashtra, approved by All India Council for Technical Education (AICTE) and Affiliated to University of Mumbai. It offers a 4-year Bachelor of Engineering (B.E.) Degree program in Artificial Intelligence and data Science, Information Technology, Computer Engineering, Electronics & Telecommunication and Chemical Engineering. The College offers Ph.D. program in the subject of Information Technology, Computer Engineering, and Electronics & Telecommunication. At present we are enrolled with 40 research Scholars.

TSEC is hugely successful in creating an academic ambience where learners increasingly succeed in unleashing their potential. The college hugely succeeds in placing graduating students in leading enterprises (more than 90 enterprises offer campus placement to our graduates) and facilitating them for higher studies in the Post Graduate program of choice, in India and abroad. The college historically performed to its fullest potential with best of class practises and emerged as the most sought-after engineering college in the city of Mumbai. It has emerged as a single point solution for the students and parents who are seeking professional education in the realm of engineering and our professionalism gets accentuated by enterprises in queue to roll out "offer appointments" to our graduating students.

We were keen on establishing quality systems and procedures in academic setting and eventually that led to accreditation of our programs by National Board of Accreditation in multiple cycles. We are having a system in place (Training and Placement Cell) to identify emerging / thrust areas in engineering and integrate in the course curriculum. We introduced courses like Artificial Intelligence, Machine Learning, Deep Learning and Blockchain Technology in tandem with the University to be abreast with nascent technologies. TSEC follows a gender agnostic and all-inclusive academic ambience and practises where pupils thrive and emerge as productive entities over a period of four years of engagement.

Principle- Dr. G.T. Thampi

Position: Principal

Academic Qualification:B.Sc. (Engg.) Degree in Mechanical Engineering, College of Engineering, Trivandrum, University of Kerala (1984)M.E. (Mechanical) with Machine Design subjects. V J T I, Mumbai

University (1997)Ph.D. (Technology), Mumbai University, (2004) Award Won: Received SHIKSHAK RATAN AWARD on 12TH October 2011, DELHI

Vission - 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

Helping foot print on Project management and collaborative human endeavor

Interdisciplinary studies and exposure to functional areas.

Oue Competency - Coding Competency

Coding promotes logical and analytical abilities, enhances entrepreneurial and problem-solving skills. It helps in preparing young learners to become future entrepreneurs. We, as an institute are an early mover in initiating students to processes to help build competency in coding. We expose them to coding through class room engagement, practice sessions and nudge them to develop an interest in coding through online portals meant for training and evaluating students on their ability to remain focused for long time for a set goal, problem solving ability, competency in codifying problem definitions, developing computer codes with minimal time complexity, respect for extreme boundary conditions of problem definitions.

To motivate and inculcate coding proficiency in students of TSEC, "TSEC Code Cell" & "TSEC Code Storm" societies are formed. These societies are student bodies that aim to nurture a keen interest in programming within the students of TSEC and enhance their coding skills. Besides, students are encouraged to participate in various coding competitions conducted at state and national level by government agencies like Smart India Hackathon and IT/consulting companies.

Being the national level winner of AICTE conducted Smart India Hackathons (SIH), Ernst and Young (E & Y), JP Morgan Chase, Myntra (27 lakhs pay package Pre-placement offers given to the participating students) are clear evidences of our successful practices in this regard.

Campus Placement

TSEC has been the pioneer in setting up a placement cell right since the inception even when it was perceived as a superfluous department by most of the other peer colleges. TSEC has a strong association with industries around Mumbai – multinational and transnational enterprises. More than 90 enterprises offer campus placement for our graduates.

Top companies such as Amazon, Ernst and Young, JP Morgan, Deloitte, Deutsche Bank, Quantiphi, TCS, Infosys, Accenture, LTI, BNP Paribas, Capgemini and many more visit the campus to recruit students. The placement being a function of market driven forces it is directly connected to the world economy & the economy of the country.

The reflection of the variation in the world economies and the economy of the country is clearly visible in the placement statistics.

Social Outreach

The Practice aims to foster the spirit of social responsibility in our students and sensitize them to the world of deprivation, social disparities and marginalization. At TSEC, via student bodies like Unnat Bharat Abhiyaan, Ek Bharat Shreshtha Bharat, NSS and Rotaract club, we engage students in meaningful

community service, instilling a sense of social obligation and responsibility. We are convinced of the fact that education without social commitment is incomplete and TSEC is committed to work for the betterment of underprivileged section of the society and to help them through various outreach programmes.

The college creates a synergy between its community work and outreach through National Service Scheme (NSS), thereby creating a multi-valued and mutually rewarding forum for meaningful dialogues, actions, and interactions. We are one of the first colleges in Mumbai University to start the NSS program for engineering students. Projects carried out by NSS, like Blood Donation Drives, Residential camps in Rural Areas, Child Care Project etc., engage students in a meaningful service to the society.

Core Competencies

Leveraging visual learning to maximize the efficacy of learning process.

Student-centred institutional structure and process layout.

Teaching faculty with missionary zeal and a high degree of competency.

Contemporary pedagogical practices in teaching learning processes.

Engineered academic ambience to help learners realize their true potential.

Highly effective Placement cell.

More than 25 Ph.D. scholars enrolled at TSEC awarded with Ph.D. degree by University of Mumbai.

Almost 90% students get placed through campus placement and rest of the population undertakes higher education, predominantly in American universities.We have invested time and resources to develop competency in emerging areas like Blockchain Technologies, Data Analytics, Artificial Intelligence (Natural language processing, Machine learning, Deep Learning) etc.

Facilities- Library

The TSEC Library has 42,745 volumes with a total of 10,287 titles.

The institution considers the library to be a vital learning resource and updates it regularly to include the most recent books and periodicals. The institute library functions under the Open Access System having a total collection of 39,077 volumes of books with 15 titles covering all the branches of Engineering, Management, Sciences and Humanities and general books. The library has the subscription of several online and offline national and international Journals, Periodicals, Newspapers, books on competitive exams etc.

We have a vast amount of digital content that is accessible through a strong digital library infrastructure. The digital library has an impressive collection of around 1000 CDs, e-resources like e-books, e-journals.

In addition to this, the library is also equipped with an internet browsing centre with 25 systems with access to various academic resources available on the internet.

Central Computing Facility

To cater to the needs of aspiring graduates, the central computing facility is equipped with robust instrumentation, control panels, intelligent board with high end internet connectivity. Many seminars, workshops, hackathon and technical events have been successfully executed in this lab. There are about 130 client nodes with excellent internet connectivity.

Laboratories

To provide a complete Learning Management System, TSEC has maintained well-equipped laboratories with up-to-date and cutting-edge instruments and systems to support syllabus-driven experimentation and academic research. The laboratories have various licensed software and simulation tools to make students industry ready. Some of the laboratories are transformed into Centres of Excellence to facilitate research and studies in emerging areas. Modernization of some of the laboratories have been funded by AICTE.

Seminar Rooms

Students and staff can host seminars, conferences, guest lectures, and workshops in two seminar halls equipped with audio-visual technology and seating for 125 people each. The seminar rooms are equipped with LCD projectors, whiteboards, raised platforms, and an audio-video system with internet connectivity.

Other Facilities

Ladies Common Room

Students' Lounge

Visitors' Lounge

Wi-fi and 4G communication enabled campus

Principal Residence

Canteen

Gymkhana

Auditorium (shared with the campus colleges)

Workshop

Drawing Hall

125KVA Diesel Generator

Refuge area

4 Elevators (2 building)

Book stall

Multiple eateries across the road

Medical Facility in close vicinity of the College

Close proximity to the Railway and Bus station

24 – hours transportation facilities

The Governing Body (GB) of Thadomal Shahani Engineering College is the Institute's highest decisionmaking body, and it is constituted as per AICTE guidelines. The governing body of the college constituted of authorities from various statutory bodies and professional organizations in addition to the members of the trust. This GB is acting as a policy maker keeping the doctrine of aligning with various norms and guide lines promulgated by various entities of the country. It is essentially eliminating all activities and practices which is going beyond the brief of higher education and amounting to ombudsman of its kind. It ensures proper direction of the institutional activities to be fair and in alignment with all the existing rules and regulations of various statutory bodies.
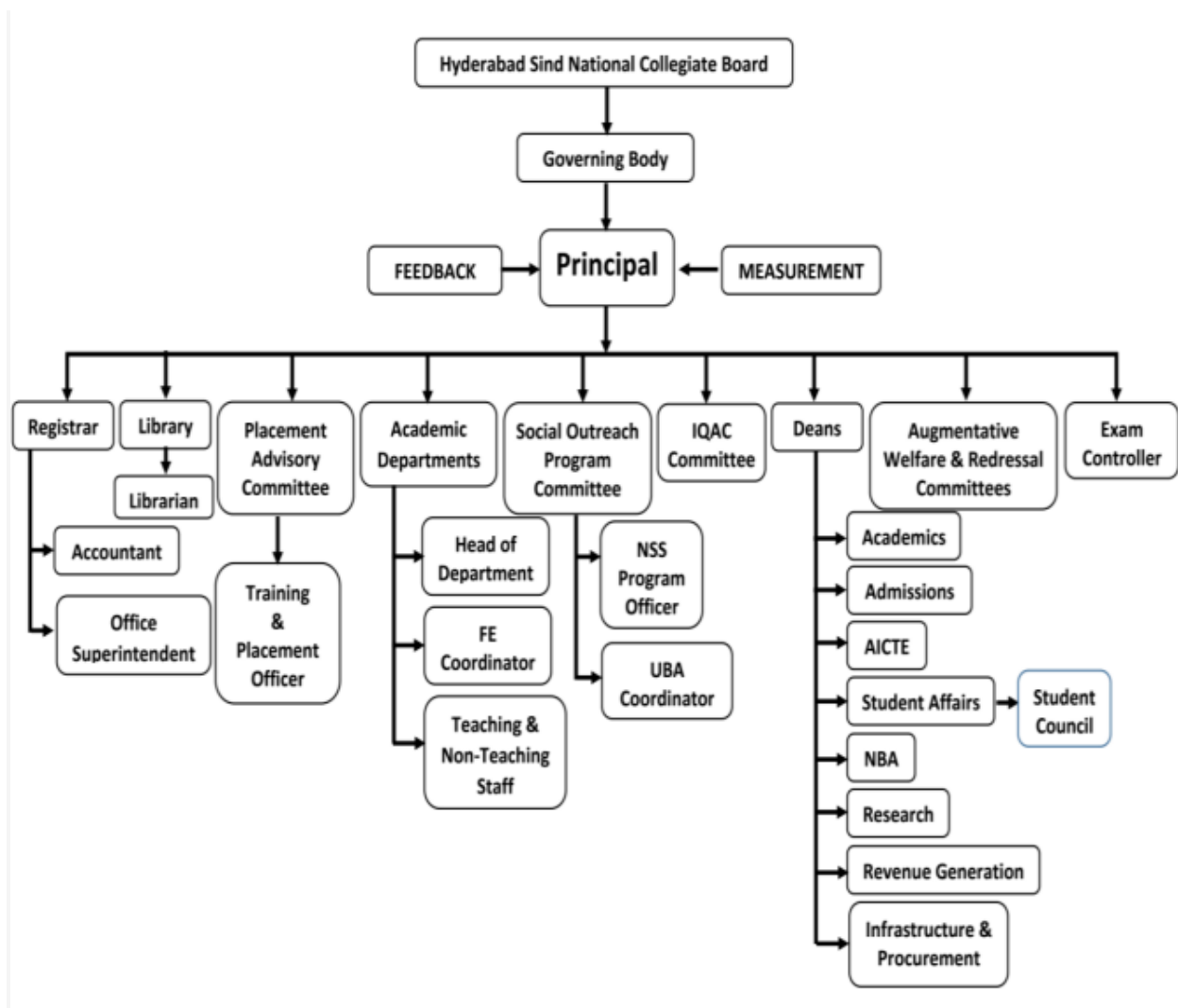
Sr. No.	Name of Board/Committee
1	Governing Body
2	College Development Committee
3	Placement Advisory Committee
4	Student Grievance Redressal Committee (GRC)
5	Internal Complaints Committee

6	SC/ST prevention of atrocities	
7	Anti-Ragging Committee	
8	Anti-Ragging Squad	
9	Academic Advisory Body	
10	Staff Co-ordination Committee	
11	IIPC (Industry Institute Partnership Cell)	
12	Women Development Cell	
13	Internal Quality Assurance Cell (IQAC)	
14	Website Management Committee	
15	Induction/Refresher Course/Workshop organizing Committee	
16	Internal Grievance Committee	

Best Practices

The two best practices implemented by the institution are :

1. *Aligning with emerging carbon neutral protocols and initiatives to reduce ecological footprints through measures of replacing existing devices with energy efficient devices and perpetuating campaign to sensitise all concerned and society at large.*

2. *Design, market, organise and build culture of Software and Hardware Hackathon based on nascent technologies in tandem with evolving technology marketplace as institutional core competency.*

A. Aligning with emerging carbon neutral protocols and initiatives to reduce ecological footprints through measures of replacing existing devices with energy efficient devices and perpetuating campaign to sensitise all concerned and society at large.

Objectives of the Practice :

We as a higher educational enterprise committed to contribute to the evolving carbon neutral practices and protocols to avert the environmental catastrophe in time to come. We are keeping track of intergovernmental agreement on climate change starting from Kyoto to Glasgow We are enamoured by the fact that changing climate conditions driven national calamities and its cascading effects especially on poorer nations/ third world countries. We as a part of global south is coming together to fight this global distortional practices as a small part of the bigger whole. We believe that we can kind of standalone small higher educational institutes can create a chain reaction in our geography by fostering practices in our daily institutional life. We are extending this practice to contribute to the factors which create positive ecological footprints which in turn shall foster the spirit of social responsibilities in our students and sensitize them towards the world of deprivation, social disparities and marginalization. At TSEC, we engage students in meaningful carbon neutral initiatives instilling a sense of social obligations and responsibilities. We impress upon all the actors of the institute to restrain the consumption of natural resources & exhort them to disseminate the same in the families/communities around of their place of inhabitancy.

The Context :

The consumption pattern of the society has been exploded in exponential form which creates massive ecological footprints resulting in excessive carbon & methane emissions, deforestations and increased dissertation by excessive cattle grazing. We are witnessing radically different climate change patterns resulting in massive human miseries &
irreversible climatic patterns which drives social turbulence deprivation of basic amenities and perpetual; depletion of natural resources.

The Practice :

We as an institute of higher & professional education committed to reverse the process of accumulation of entropy through various means listed as under.

We understand the desirability of sustainability & impressing upon pupils & other associated above the necessity of carbon neutral practices. We also take initiative to educate young minds about systems trap especially 'tragedy of commons'.

So, we also use different platform & communication channels to influence policy decision by various authorities & strive hard to work the systems towards achieving the goal of zero emission protocols. We also undertake to initiate research scholars to carry out energy efficiency processes specifically design & implementation of semiconductor chips and new architecture solution for energy efficient blockchain & quantum computing.

Our social outreach program also designed to sensitize people around the virtue to vegetarian food habits to reduce the population of grazing animals and excessive exploitation of seas for human consumption. We are also organizing seminars in the topic of climate change and ways & means of contributing to the cause of carbon neutral practices through carbon credits and other change of consumption pattern of human beings.

Evidence of Success :

We succeeded in organizing seminars and ground visit to educate students and staff. We encourage online meeting & expert lectures getting organised by chemical engineering department about sustainability issues and sustainable growth, alternative fuels and renewable energy sources.

We initiated academic research in ESG protocols and technological solutions for the attainment of the same by industrial behemoths.

Our NSS teams adopts villages & initiate them to sustainable practices even affecting life style changes. We as an institute replaced almost 80% of candescent lights with LED lights essentially to reduce the consumption of power. Our energy report is the testimonial for the same, so we carry out environmental audit periodically and also participating in tree plantation projects to contribute to the cause of forestation of land parcels which are being misuses by human greed. We as an institute migrated to digital systems & digitization and 80% of paper consumption got reduced from past year as all student submission and teachers file are stored/documented with Microsoft Teams cloud. We also completed fall ceiling work in all classrooms and some of the laboratories, 30% of laboratories to reduce the heat load for AC.

Problems Encountered and Resources required :

Limitation of funding from the University/ College /Other Umbrella bodies is significantly affecting our envisioned activities and programs. Other major constraint is identified as the time available between highly rigorous academic sessions and project activities.

B. Design, market, organise and build culture of Software and Hardware Hackathon based on nascent technologies in tandem with evolving technology marketplace as institutional core competency.

Objectives of the Practice :

We observed that Indian University system thrive on theoretical rigor at the cost experiential learning. Our new curriculum is taking initiative to bridge the gap. AICTE & Ministry of Education, erstwhile Ministry of Human Resource Development (MHRD) initiated the concept & construct of hackathon which are designed essentially to offer focused effort by professional college students to offer digital solutions.

We as an institute grab the opportunity to popularize hackathon amongst undergraduate students starting from second year to initiate them to understand the process of solution building for a functional area which are real time in nature. The skewed curriculum orienting towards theoretical studies gets normalized by improving the participation in hackathon by majority of student community. The

objective of helping the students to develop a temperament for understanding physical problem domain & functional area shall be massively improved by this initiative. The hackathons also contribute to further the cause of small & medium scale industries & government/municipal agencies which are starved of cash/funding.

The Context :

India as a nation is blessed with highly rigorous school education system which makes majority of the students coming out of schools (10+2) equipped with high level of mathematical and analytical integrities. Process designed to help pupils develop proficiencies in developing software and hardware solutions for digital systems makes them sought after in marketplace which is searching for talents who can create new age solutions, leveraging converging computational communication technologies. We are witnessing massive project funding in western economies in search of breakthrough technologies and technology driven practices. These advanced economies are limited by availability of techno savvy human capitals and are promoting international agreements for easy transfer of men and material across the borders. India as an Information Technology behemoth exports IT product and services whose value can be compared with revenue earned by Saudi Arabia in exporting their petroleum products. So, we are determined to create a supply chain of Human capital for National economy and to cater to this ever growing demand for digital technology savvy manpower to contribute to our wealth creation process. Hackathon is a tool to drive sustained innovation and crowdsource solutions to address challenges related to hardware or software and figure out a workable solution in a stipulated time. A hackathon is typically a time-bound competitive event where participants collaborate to build proofs of concept and minimum viable products for a specific pre-defined problem or to innovate.

Hackathon conceived by the political establishment at the PMO level and disseminated by AICTE and Innovation cell of Ministry of Education has been the single most important co-curricular activity. We remain focused in a state of "No stone Unturned" to embrace the culture of Hackathon amongst our learners, and results in creating a culture solution building. These competency building exercises of ours is also the biggest key differentiator.

We encourage maximum participation in Hackathons (software/hardware) getting organized at institute level , Govt. Of India, AICTE and multinational corporate essentially meant for developing solutions for public enterprises and succeeded in getting awards and cash prizes

The Practice :

We as an institute organise multiple Hackathons internally after carrying out a multitude of preprocessing. Teachers and students organise themselves to design problems which are socially relevant and also identify bottlenecks getting experienced by various business sectors , which encompasses agriculture , supply chain management, heath care , traffic management , digital commerce etc.

At the beginning of academic year and during admission to first year engineering, we explicitly high lights the massive efforts of the institute in investing heavily in terms of time and other resources as a key differentiator. This institutional culture and competencies catapult us in higher orbits of

performance resulting in brilliant and productive outcomes of massive success in placements and admission to higher education.

We, as an institute are an early mover in initiating students to processes to help build competency in coding. Coding is essentially "Conversion of problem to logic", which prompt/ nudges learners to relate theoretical moorings to real time applications and learner undergo metamorphic changes in their perspective of the real-world problems to be addressed.

We expose them to coding through class room engagement, practice sessions and nudge them to develop an interest in coding through online portals meant for training and evaluating students on their ability to remain focused for long time for a set goal, problem solving ability, competency in codifying problem definitions, developing computer codes with minimal time complexity, respect for extreme boundary conditions of problem definitions.

To motivate and inculcate students develop proficiency in coding and capable of offering solutions in Hackathons, we at the institute multiple events of hackathon namely "TSEC CodeTantra", "TSEC Codecell" & "TSEC Code Storm" etc. Multiple societies are formed to actualise this process organising, marketing, and conducting hackathons. These societies are student bodies that aim to nurture a keen interest in building solutions algorithmically or architectural solution building amongst the students of TSEC and enhance their coding skills. Essentially a community of solution builders who wish to develop industry-relevant skills beyond academics, the societies were started in 2017. These societies populated with young and passionate teachers and pupils succeeds in bringing a self believe and competencies in nascent technologies, practices and tools. The institutes organise 4 software and 1 hardware national level Hackathons throughout the year.

Besides, students are encouraged to participate in various Hackathons and coding competitions conducted at state and national level by government agencies and IT/consulting companies like JPMC, Myntra, Ernst and Young, TCS, WIPRO.

Evidence of Success :

Campus placement drastically improved as our graduating students are performing well in "Coding Test", which is single most important criteria for selection processes. Our effort to make "Hackathon " as our core competency is bringing laurels and rewards in Hackathons getting organised by AICTE and other private entities. We are committed to take this process in the next orbit of performance in building competencies in newer coding techniques for autonomous vehicles and devices. Being the national level winner of AICTE conducted Smart India Hackathons (SIH), Ernst and Young (E & Y), JP Morgan Chase, TIAA are clear evidences of our successful practices in this regard.

Problems Encountered and Resources Required :

It is observed that the curriculum in practice prescribed by the university is not envisaging real time practices which can be learnt experientially and internalised by the students. Lack of case studies/success stories which can initiate them to real time problems and ways and means of addressing the same. Lack of industrial training/internship of higher duration is also affecting expected rate of penetration of these new age competency amongst the students.

Institute Distinctiveness

The institute was established in 1983, by the Hyderabad (Sind) National Collegiate Board and is recognized by Government of Maharashtra, approved by All India Council for Technical Education (AICTE) and Affiliated to University of Mumbai. Right from its inception, the institute has ceaselessly metamorphosed to meet to the industry demands. The institute has the following core competencies:

a. **Leveraging visual learning to maximize the efficacy of learning process:**
Instructional content based on cognitive load theories and epistemological consistencies in creating learning content in published work of students & teachers. Our empirical study results in devising new ways in engaging students inside classroom & it is observed that visual learning in addition to synchronised audio having a high level of effectiveness.

b. **Student centred institutional structure an d process layout:**
As an education institute we created an organizational structure which is flat & devoid of extreme centralization and effectively keeping learners at the centre of all process happening at the institute.

c. **System in place for continuous value addition:**
Our professionalism perpetually provoke us to devise new strategies & procedures to effect strengthening of productive mental faculties through various initiations/outreach programs, MOOC's, facilitating inter collegiate competitions in addition to classroom engagement.

d. **Processes which help students unleash their potential:**
We focus on issues and events happening in the world around the learners and incorporate those trends into their learning experiences. The mentors continuously keep an eye on feedback, performance and areas of growth of students and notify them which make them feel confident and self-assertive.

e. **Strengthening experiential learning and developing research culture:**
We created Centres of Excellence to develop competencies in the e merging areas and organized appropriate laboratory facilities. All students and instructors treat experiential learning as a non-negotiable part of their academic activities and at times create new experiment setup from the scratch based on the nascent literature on emerging technologies.

f. **Contemporary pedagogical practices in teaching learning processes:**
The institute thinks aloud about effective instructional delivery underpinning various learners and their rate of learning ability. We are extensively using digital technologies like initiating learners to MOOC's and mobile application in addition to projector enabled classroom teaching.

g. **Evolving competency in addressing different learning abilities and styles:**
The institute is aware of pupils with different learning abilities and learning styles and is in the process of developing instructional content leveraging pervasive / ubiquitous digital technologies and aspiring to create customised learning content for every in dividual. We thrive on problem based teaching and also promote experiential learning and project based learning.

The institute kingpins on learning experiences based on outcomes which help learners master knowledge and skills.

h. **Customized learning content for heterogeneous learners:**
The institute succeeded in filling patents for designing a framework for customized learning. We strongly believe customized learning content catering to different pupil with different learning ability and learning style is the way forward. We envisage taking initiative in creating customized digital content leveraging ubiquitous Information Communication Digital Technology product and process (virtual reality & augmented reality techniques).

The Key Differentiators

a. The institute treats students as evolving human capital. A major chunk of the institute's alumni students are contributing to the global market places in addition to nation building process since its inception.

b. There is a process in place to help the learners unleash their innate abilities to be more productive in marketplace. The democratic process prevailing in the institute also helps in celebrating diversity which brings long term structural stability of the institute to thrive in the professional educational marketplace.

c. The institute aims at facilitating and modifying varied learning styles and learning disabilities.

d. The institute perpetuates the effort to create and augment customized course content to help unleash the potential of different learners.

e. Our everyday discourse also focuses on creating and facilitating Game changers.

f. 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.

g. The institute sensitize students about the value of emotional intelligence and developed spiritual quotients and inter-personal and intra-personal intelligence.

Nurturing learners as human capital for reducing the lead time for transition from academia to industry/business

a. Well laid out schema and curricula for developing academic integrity in pursuit of new knowledge and all round personality development focusing on emotional integrity rooted on sound ethical practices.

b. 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.

c. Initiating them to product and process innovation leveraging converging technologies to remain competitive in the global marketplace.

The performance of the Institution in one area distinctive to its priority and thrust

o **System in place for continuous value addition**

To perpetuate continuous value addition to the learners we organised training programs and help in turn to organise hackathons which enable them to develop temperament and competency to decode the complexity of functional areas & use cases to be integrated with digital technologies.

We impressed the learners about the desirability of ESG practices and sustainability issues to contribute to the evolving consciousness of the global marketplace.

- Contact us - Advocate Nari Gursahani Marg, 37th Road,(Off Linking Road),
  TPS III, Bandra (west), Mumbai-400050

- ADMISSIONS:+91– 9987111590

- Contact Number: 9967729590

- gtthampi@gmail.com

Directtion-
BY ROAD

Best Bus service is available to travel by road and reach to Thadomal Shahani Engineering college. The Bus stop closest to the college campus is National College Bus stop (Via S.V. Road and Via Linking Road).

BY TRAIN

Thadomal Shahani Engineering college is located at a distance of about 850 m from Khar station (w) and at a distance of about 1.4 km from Bandra station (w). Both of these stations belong to Western Railway Line. Sharing Auto rickshaws are available outside Bandra station which gives a drop at the College gate.

If you are planning to come from a station that belongs to central railway line , you have to change a local train at Dadar station. If you intend to come from a station at Harbour line, the trains have a halt at Bandra station.

BY AIR

Chhatrapati Shivaji Airport has 2 terminals. Terminal 1 or Domestic Terminal and Terminal 2 or International Terminal. Three directions to reach from Airport (Domestic / International Airport) to Thadomal Shahani Engineering College, Bandra(w)

a. Via Western Express Highway : Distance of About 9.7 km

b. Via Western Express Highway and S.V. Road : Distance of About 6 km

c. Via S.V.Road : Distance of About 5.5 km

Departments –   1. Computer Engineering

2. Aritificial Intelligence and data science

3. Information technology

4. Chemical Engineering

5. Electronic and Telecommunications

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.

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 labs 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 the cutting edge technologies, department has a digital library facility with reputed International and National Journals like IEEE, 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 over the world.

The Department has been pioneered as the first Post Graduate Department in Computer Engineering in the unaided Engineering Colleges in University of Mumbai. There was no facility for post graduation for Computer Engineering graduates in the non-aided sector till 2001. This void was filled by our M.E course after persistent efforts in that direction by our Computer Engineering Department. The first batch of M.E. was inducted in August 2001 with an intake capacity of 25. The department has also started PhD. with an intake of 10 students from the academic year 2014-15.

Vision:

Metamorphosis into a center of excellence in higher education and enterprise computing to nurture and facilitate the learners who ought to be the creams of society in terms of their irresistible ambition to be

part of entities inventing breakthrough technologies to further the cause of mankind through emerging technologies.

Mission: Focusing and Practicing

- o Building state of art laboratories with the help of internal accruals / government funding / industry funding.

- o Collaborative research initiative with premier research organizations in the country.

- o Subjecting and initiating learners to entrepreneurship training program and nascent technologies which shall be beyond curriculum.

- o Developing instructional content leveraging new findings of cognitive load theories and visual learning.

- o Initiating public-private partnership to setup startup ventures to help learners evolve as entrepreneurs in ICT.

- o Extensively promote participation in application building competition organized externally and internally to enable learner to apply theoretical understanding in real time functional area.

Program Education Objectives (PEO)

1. To provide successful carrier utilizing technical and professional skills while complying with ethical standards

2. To provide techno-social solutions through communication, entrepreneurial, collaborative and continuously upgrading engineering skills.

3. To help learners to develop competency in specialized areas like deep learning, data science, business intelligence, block chain technologies, etc.

4. To inculcate to comprehend, analyze, design and build software/hardware solutions for real time problems.

5. To encourage graduates for higher studies & research.

Programme Outcomes(PO)

Engineering Graduates will be able to:

- o **PO**1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

- o **PO**2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

- o **PO**3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

- o **PO**4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

- o **PO**5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

- o **PO**6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- o **PO**7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

- o **PO**8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- o **PO**9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- o **PO**10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- o **PO**11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

- o **PO12. Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcome (PSO) of Computer Engineering Department

Computer Engineering graduates will be able to:

- o **PSO1:** To exhibit competency in emerging technologies like Block chain, Artificial Intelligence and Data Science, Data analytics and Cloud services driven computational procedures.

- o **PSO2:** To acquire the ability to work in multidisciplinary environment while demonstrating leadership skills with effective communication and adapt to nascent technologies for self and lifelong learning.

Faculty Information

SR. NO.	NAME	QUALIFICATION	AREA OF SPECIALIZATION	DESIGNATION	DATE OF JOINING	NATURE OF ASSOCIATION (REGULAR CONTRACT/ADJUNCT)
1	Dr. Tanuja Sarode	Ph.D. (Engg.)	IP, AI, NN, CG, DBMS	Professor	1 - 1 - 2000	Regular
2	Dr. Archana Patankar	Ph.D. (Engg.)	IP, HMI, CG	Professor	3 - 1 - 2000	Regular
3	Dr. Jayant Gadge	Ph.D. (Engg.)	NLP, IR, Web mining, DWM	Professor	16-08-2001	Regular
4	Dr. Shilpa Verma	Ph.D. (Engg.)	AI,NN, SE	Associate Professor	13-01-2003	Regular
5	Dr. Anil Chhangani	Ph.D. (Engg.)	IP,ML	Associate Professor	30-07-2017	Regular
6	Dr. Seema Kolkur	Ph.D. (Engg.)	DBMS,DWM,AI	Associate Professor	01-02-2000	Regular
7	Ms. Tasneem Mirza	ME (Comp Engg)	SE, DS, CSS	Associate Professor	03-05-1999	Regular
8	Ms. Sakshi Surve	ME (Comp Engg)	OOPM, TCS	Assistant Professor	11-08-2001	Regular
9	Dr. Ujawala Bharambe	Ph.D (Engg.)	AI, ML, NLP, Web Mining	Assistant Professor	01-01-2005	Regular
10	Ms. Anagha Durugkar	ME (Comp Engg)	BDA,ML,DBMS,D WM,SPCC,DS,AOA	Assistant Professor	11-11-1997	Regular
11	Ms. Sonal Shroff	ME (Comp Engg)	DC, IP, CSS	Assistant Professor	1-1-2000	Regular
12	Ms. Vaishali Suryawanshi	ME (Comp Engg)	DL, ML, AOA	Assistant Professor	09-01-2003	Regular
13	Ms. Ruhi Bajaj	M.E. (Comp)	MCC, IOT, WT	Assistant Professor	01-01-2005	Regular (On Leave from March 2019)
14	Ms. Manisha Dumbre	ME (Comp Engg)	IP, ML, CCL	Assistant Professor	09-11-2006	Regular
15	Ms. Rupali Sarode	ME (Comp Engg)	IP,ML,DL,AR	Assistant Professor	22-05-2007	Regular
16	Ms. Vijaya Padmadas	ME (Comp Engg)	ML, DWM, BDA	Assistant Professor	14-01-2008	Regular

No	Name	Qualification	Subjects	Designation	Date	Type
17	Dr. Arti Deshpande	Ph.D. (Engg.)	ML, DWM, CSS	Associate Professor	15-01-2008	Regular
18	Ms. Urvi Kore	ME (Comp Engg).	IP, CG, ML, TCS, AOA	Assistant Professor	10-08-2009	Regular
19	Mr. Aejazul Khan	M.S. (Computers)	PM, MIS, DBMS, SE	Assistant Professor	17-08-2009	Regular
20	Dr. Gauri Shukla	Ph.D. (Engg.)	DLCA, MP	Associate Professor	01-08-2001	Regular
21	Mr. Rithesh Kini	M.TECH	DLCA	Assistant Professor	10-01-2003	Regular
22	Mr. Vaibhav Ambhire	ME (Comp Engg)	DL, TCS, SPCC	Assistant Professor	10-06-2017	Regular
23	Ms. Nabanita Mandal	ME (Comp Engg)	DL, ML, CN, CSS	Assistant Professor	12 -07-2013	Regular
24	Ms. Darakhshan Khan	ME (Comp Engg)	DL, ML, AOA, DS, WT	Assistant Professor	05-01-2015	Regular
25	Ms. Juhi Ganwani	ME (Comp Engg)	DL, ML, DBMS	Assistant Professor	02-12-2016	Regular
26	Ms. Shilpa Ingoley	ME (Comp Engg)	DL, ML, CN, DBMS, CCL	Assistant Professor	1 - 07 - 2017	Regular
27	Ms. Parul Jain	ME (Comp Engg)	DSP, SE	Assistant Professor	15 -02- 2021	Regular
28	Ms. Sonali Jadhav	ME (Comp Engg)	CCL, CN, CSS	Assistant Professor	2-08-2021	Regular
29	Mr. Khalid Ansari	ME (Comp Engg)	Blockchain, DS, DBMS, OS	Assistant Professor	15-12-2021	Regular
30	Mr. Adil Shaikh	ME (Comp Engg)	AI, ML, DS, DMBI	Assistant Professor	18-07-2022	Contract

Placement Details

Year

2022-23

210

Total

144

Interested

137

Offers

132

Placed

Year

2021-22

140

Total

92

Interested

87

Offers

86

Placed

Year

2020-21

151

Total

115

Interested

140

Offers

104

Placed

Year

2019-20

145

Total

119

Interested

95

Offers

91

Placed

About Department

Vision and Mission

PEO and PSO

Faculty Profile

Placement Details

Result Analysis

Curriculum

Facilities

Time-Table

Computer Magazine

Academic Calendar

Year

2018-19

147

Total

141

Interested

95

Offers

89

Placed

Year

2017-18

143

Total

132

Eligible

137

offers

116

Jobs

Year

2016-17

144

Total

98

Eligible

127

offers

86

Jobs

Year

2015-16

139

Total

87

Eligible

143

Offers

88

Jobs

Result Analysis

Year 2022 - 2023

Year 2021 - 2022

Year 2020 - 2021

Year 2019-2020

Year 2018-2019

Class	SE
	212
Student Appeared	186
Students Passed	98
Distinction	56
First Class	29
Second Class	3
Pass Class	

Class	TE
	207
Student Appeared	198
Students Passed	117
Distinction	73

First Class

8

Second Class

0

Pass Class

Class

BE

197

Student Appeared

191

Students Passed

118

Distinction

14

First Class

0

Second Class

0

Pass Class

Formula

POINTER   PERCENTAGE

> 8.3   > 70% (Distinction)

> 6.9   > 60% (First Class)

> 5.4   > 50% (Second Class)

> 4   > 40% (Pass Class)

Second Year Engineering

SEMESTER III

CSC301-Engineering Mathematics III

CSC302-Discrete Structures and Graph Theory

CSC303-Data Structure

CSC304-Digital Logic & Computer Architecture

CSC305-Computer Graphics

CSL301-Data Structure Lab

CSL302- Digital Logic & Computer Architecture Lab

CSL303- Computer Graphics Lab

CSL304- Skill base Lab course: Object Oriented Programming with Java

CSM301- Mini Project – 1 A

SEMESTER IV

CSC401- Engineering Mathematics IV

CSC402- Analysis of Algorithm

CSC403- Database Management System

CSC404- Operating System

CSC405- Microprocessor

CSL401- Analysis of Algorithm Lab

CSL402- Database Management System Lab

CSL403- Operating System Lab

CCSL404- Microprocessor Lab

CSL405- Skill Base Lab Course: Python Programming

CSM401- Mini Project 1-B

Third Year Engineering

SEMESTER V

CSC501-Theoretical Computer Science

CSC502-Software Engineering

CSC503-Computer Networks

CSC504-Data Warehousing & Mining

CSDLO 501X-Departmental Level Optional Course – I

CSDLO5011:Probabilistic Graphical Models

CSDLO5012:Internet Programming

CSDLO5013:Advance Database Management System

CSL501-Software Engineering Lab

CSL502-Computer Network Lab

CSL503-Data Warehousing & Mining Lab

CSL504-Professional Comm. & Ethics II

CSL505-Mini Project – 2A

SEMESTER VI

CSC601-System Programming & Compiler Construction

CSC602-Cryptography & System Security

CSC603-Mobile Computing

CSC604-Artificial Intelligence

CSDLO601X-Departmental Level Optional Course – 2

CSDLO6011: Internet of Things

CSDLO6012: Digital Signal & Image Processing

CSDLO6013: Quantitative Analysis

CSL601-System Programming & Compiler Construction Lab

CSL602-Cryptography & System Security Lab

CSL603-Mobile Computing Lab

CSL604-Artificial Intelligence Lab

CSP605-Skill base Lab Course: Cloud Computing

CSM601-Mini Project – 2B

BE

SEMESTER VII

CSC701-Machine Learning

CSC702-Big Data Analytics

CSDC701X-Department Level Optional Course-3

CSDC7011: Machine Vision

CSDC7012: Quantum Computing

CSDC7013: Natural Language Processing

CSDC702X-Department Level Optional Course-4

CSDC7021 : Augmented and Virtual Reality

CSDC7022 : Block Chain

CSDC7023 : Information Retrieval

CSIO701 Institute Level Optional Course-1

ILO7011. Product Lifecycle Management

ILO7012. Reliability Engineering

ILO7013. Management Information System

ILO7014. Design of Experiments

ILO7015. Operation Research

ILO7016. Cyber Security and Laws

ILO7017. Disaster Management & Mitigation Measures

ILO7018. Energy Audit and Management

ILO7019. Development Engineering

CSDL701X Department Level Optional Course-3 Lab

CSDL7011: Machine Vision Lab

CSDL7012: Quantum Computing Lab

CSDL7013: Natural Language Processing Lab

CSDL702X Department Level Optional Course-4 Lab

CSDL7021 : Augmented and Virtual Reality Lab

CSDL7022 : Block Chain Lab

CSDL7023 : Information Retrieval Lab

CSP701 Major Project 1

SEMESTER VIII

CSC801- Distributed Computing

CSDC801X-Department Level Optional Course -5

CSDC8011 : Deep Learning

CSDC8012 : Digital Forensic

CSDC8013 : Applied Data Science

CSDC 802X-Department Level Optional Course -6

CSDC8021 : Optimization in Machine Learning

CSDC8022: High Performance Computing

CSDC8023: Social Media Analytics

ILO 801X- Institute Level Optional Course -2

ILO8021. Project Management

ILO8022. Finance Management

ILO8023. Entrepreneurship Development and Management

ILO8024. Human Resource Management

ILO8025. Professional Ethics and CSR

ILO8026. Research Methodology

ILO8027. IPR and Patenting

ILO8028. Digital Business Management

ILO8029. Environmental Management

CSDL8011 : Deep Learning Lab

CSDL8012 : Digital Forensic Lab

CSDL8013 : Applied Data Science Lab

CSL801- Distributed Computing Lab

CSDL801X- Department Level Optional Course -5 Lab

CSDL8011 : Deep Learning Lab

CSDL8012 : Digital Forensic Lab

CSDL8013 : Applied Data Science Lab

CSDL802X- Department Level Optional Course -6 Lab

CSDL8021 : Optimization in Machine Learning Lab

CSDL8022: High Performance Computing Lab

CSDL8023: Social Media Analytics Lab

CSP801- Major Project- 2

Facilities

PARTICULAR	COUNT
Air-conditioned Class room with LCD projector	03
Air-conditioned Class room with LCD projector and speaker	02
Air-conditioned Class room with LCD projector, smart board	02
Air-conditioned Seminar Hall with dual LCD projectors	01
Internet speed	Lease line of 500 Mbps
Air-conditioned Laboratory	08
Stabilizers for Laboratory	03
Department Library	1150
Personal Computers	280

NOTICE: 75% ATTENDANCE IS COMPULSORY

PLACEMENT OF 2023-24 BATCH 1. Placement Activities for A.Y 2022-23 started from June 2023 2. Fischer Jordan conducted the process starting from 27th June 2023. Pay package offered for role of SWE is 24.13 LPA and total number of selects-01 student 3. Deutsche Bank conducted test on 18h July and interview on 24 th July. Pay package offered for role of Graduate Analyst is 19.63 LPA and total number of selects-18 students. 20 students' of 2024 batch were offered two months summer internship with stipend of Rs.75 thousand per month 4. Oracle Financial Software Services Ltd. With package of INR 1,918,300 + Applicable Gratuity conducted the test on 26th July 2023, interview process on 01st August

2023 and total number of selects-22 students. 02 students were offered PPO of INR 9,34,740 + Applicable Gratuity for the role of Associate Consultant 5. JP Morgan Chase & Co. offered PPO to 28 students with package of 19.75 LPA 6. Dolat Capital Pvt Ltd conducted the process on 19th June 2023. Pay package offered for role of Software Developer C++ is 17 LPA and total number of selects-01 student 7. TIAA India offered 02 students with PPO(Pre Placement Offer) for position of Trainee with compensation 10.48 LPA 8. Zycus conducted the process on 03rd August. Pay package offered for role of Business Development Associate is 6.5 LPA and total number of selects-02 students 9. Deloitte USI & India conducted the process on 09th August. Pay package offered is 7.6 LPA and total number of selects-25 students 10.Upcoming Placement Companies Schedule: • Seclore package of 12 LPA • Marwardi Shares of 10 LPA • Quicksell of 12 LPA • CarWale • Many more….. Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 2 Selected Student List of 2023-24 Batch Sr No Student Name Branch Company Name Package Offered (in LPA) 1 Azeem Ghazi Artificial Intelligence & Data Science JP Morgan Chase & Co 19.75 2 Deepti Gurnani Artificial Intelligence & Data Science JP Morgan Chase & Co 19.75 3 Aakriti Sharma Artificial Intelligence & Data Science JP Morgan Chase & Co 19.75 4 Khushi Ruparel Artificial Intelligence & Data Science JP Morgan Chase & Co 19.75 5 Fahad Charolia Artificial Intelligence & Data Science Deutsche Bank 19.63 6 Vashesh Jogani Artificial Intelligence & Data Science Deutsche Bank 19.63 7 Harsh Shukla Artificial Intelligence & Data Science Oracle Financial Services Software ltd.(OFSS) 19.18 8 Dharmesh Mishra Artificial Intelligence & Data Science TIAA India 10.48 9 Goyam Jain Artificial Intelligence & Data Science TIAA India 10.48 10 Ruchit Bhandari Artificial Intelligence & Data Science Oracle Financial Services Software ltd.(OFSS) 9.34 11 Riz Lala Artificial Intelligence & Data Science Oracle Financial Services Software ltd.(OFSS) 9.34 12 Aaryamonvikram Singh Artificial Intelligence & Data Science Deloitte USI 7.6 13 Amogh Patil Artificial Intelligence & Data Science Deloitte USI 7.6 14 Omkar Pathare Artificial Intelligence & Data Science Deloitte USI 7.6 Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 3 15 Vanshika Chaurasia Artificial Intelligence & Data Science Deloitte USI 7.6 16 Ayaan Gani Artificial Intelligence & Data Science Deloitte India 7.6 17 Daksh Sanghvi Artificial Intelligence & Data Science Deloitte India 7.6 18 Vaibhav Mourya Artificial Intelligence & Data Science Deloitte India 7.6 19 Riz Lala Artificial Intelligence & Data Science Deloitte India 7.6 20 Piush Paul Computer Engineering Deutsche Bank 19.63 21 Hritik Sharma Computer Engineering Deutsche Bank 19.63 22 Puneet Shetty Computer Engineering Deutsche Bank 19.63 23 Omkar Bhosale Computer Engineering Deutsche Bank 19.63 24 Tejeshwani Rathore Electronics & Telecommunication Deutsche Bank 19.63 25 Shreyans Jain Information Technology Deutsche Bank 19.63 26 Zeel Mody Computer Engineering Deutsche Bank 19.63 27 Kundan Baniya Electronics & Telecommunication Deutsche Bank 19.63 28 Siddhi Save Information Technology Deutsche Bank 19.63 29 Namrata Vaswani Computer Engineering Deutsche Bank 19.63 30 Mahek Karia Information Technology Deutsche Bank 19.63 31 Mounika Jindam Information Technology Deutsche Bank 19.63 32 Megha Narang Computer Engineering Deutsche Bank 19.63 Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 4 33 Devesh Ahuja Computer Engineering Dolat Capital Pvt Ltd 17 34 Khushi Bhatia Computer Engineering Fischer Jordan 24.13 35 Adhiraj Soparkar Information Technology Deutsche Bank 19.63 36 Darshan Tailor Computer Engineering Deutsche Bank 19.63 37 Sneha Singh Electronics & Telecommunication Deutsche Bank 19.63 38 Riya Bajaj Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 39 Sachin Jangid Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 40 Umang Singh Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 41 Sahil Samel Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 42 Siddharth Maurya Computer Engineering Oracle Financial Services

Software ltd.(OFSS) 19.18 43 Sidharth Mankani Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 44 Suraj Chavan Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 45 Yash Dalvi Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 46 Zaid Shaikh Electronics & Telecommunication Oracle Financial Services Software ltd.(OFSS) 19.18 47 Gaurav Bhatia Information Technology Oracle Financial Services Software ltd.(OFSS) 19.18 Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 5 48 Mohammed Umar Information Technology Oracle Financial Services Software ltd.(OFSS) 19.18 49 Siddesh Shetty Information Technology Oracle Financial Services Software ltd.(OFSS) 19.18 50 Tanish Suvarna Information Technology Oracle Financial Services Software ltd.(OFSS) 19.18 51 Veer Pariawala Information Technology Oracle Financial Services Software ltd.(OFSS) 19.18 52 Aaryash Nayak Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 53 Atharva Kadam Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 54 Dipesh Gangwani Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 55 Jeet Rane Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 56 Kushal Tejwani Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 57 Nikhil Khatri Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 58 Om Mandiyan Computer Engineering Oracle Financial Services Software ltd.(OFSS) 19.18 59 Nikita Saha Information Technology Zycus 6.5 60 Roshni Sarda Computer Engineering Zycus 6.5 61 Amogh Shanbhag Computer Engineering Nvent 10.56 62 Aniruddh Singh Computer Engineering Nvent 10.56 Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 6 63 Vidita Shetty Information Technology Nvent 10.56 64 Prajwal Dhule Computer Engineering Nvent 10.56 65 Ved Thakur Information Technology Nvent 10.56 66 Gaurav Panjabi Computer Engineering Deloitte USI 7.6 67 Sahil Khatri Computer Engineering Deloitte USI 7.6 68 Aditya Sarpotdar Computer Engineering Deloitte USI 7.6 69 Varun Nagdev Computer Engineering Deloitte USI 7.6 70 Arihant Tonage Computer Engineering Deloitte USI 7.6 71 Harshita Ramrakhiyani Computer Engineering Deloitte USI 7.6 72 Shubham Mandal Computer Engineering Deloitte USI 7.6 73 Girish Tanna Computer Engineering Deloitte India 7.6 74 Harsh Makhija Computer Engineering Deloitte India 7.6 75 Pratham Motwaney Computer Engineering Deloitte India 7.6 76 Abhishek Choudhary Electronics & Telecommunication Deloitte USI 7.6 77 Soham Chavan Electronics & Telecommunication Deloitte USI 7.6 78 Swaroop Surve Electronics & Telecommunication Deloitte India 7.6 79 Mangalam Mall Electronics & Telecommunication Deloitte India 7.6 80 Akshita Sakaria Electronics & Telecommunication Deloitte India 7.6 81 Jason D'souza Information Technology Deloitte USI 7.6 Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 7 82 Aaditya Chinchkhedkar Information Technology Deloitte India 7.6 83 Rajkamal Rajarshi Computer Engineering JP Morgan Chase & Co 19.75 84 Aryan Jangam Computer Engineering JP Morgan Chase & Co 19.75 85 Muskaan Rangani Computer Engineering JP Morgan Chase & Co 19.75 86 Purvi Gujar Computer Engineering JP Morgan Chase & Co 19.75 87 Raunak Raikisani Computer Engineering JP Morgan Chase & Co 19.75 88 Dheeraj Chhatani Computer Engineering JP Morgan Chase & Co 19.75 89 Viren Keswani Computer Engineering JP Morgan Chase & Co 19.75 90 Devesh Ahuja Computer Engineering JP Morgan Chase & Co 19.75 91 Kaustubh Bhirud Computer Engineering JP Morgan Chase & Co 19.75 92 Gaurav Nenwani Computer Engineering JP Morgan Chase & Co 19.75 93 Etash Dorwani Computer Engineering JP Morgan Chase & Co 19.75 94 Parth Shah Computer Engineering JP Morgan Chase & Co 19.75 95 Jay Aslaliya Computer Engineering JP Morgan Chase & Co 19.75 96 Krishana Dave Computer Engineering JP Morgan Chase & Co 19.75 97 Ria Thakker Computer Engineering JP Morgan Chase & Co 19.75 98 Riya Jain Computer Engineering JP Morgan Chase & Co 19.75 99 Vaibhavi Pore Computer Engineering JP Morgan Chase & Co 19.75 100 Soham Chavan

Electronics & Telecommunication JP Morgan Chase & Co 19.75 Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 8 101 Rukshar Khan Information Technology JP Morgan Chase & Co 19.75 102 Priyal Jain Information Technology JP Morgan Chase & Co 19.75 103 Harsh Nagpal Information Technology JP Morgan Chase & Co 19.75 104 Aadi Vora Information Technology JP Morgan Chase & Co 19.75 105 Gayatri Joshi Information Technology JP Morgan Chase & Co 19.75 106 Gargi Sathe Information Technology JP Morgan Chase & Co 19.75 Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 9 Selected Student List of 2023-24 Batch for Summer Internship-2023 (Awaiting the PPO confirmation) Sr No Name of the candidate Branch Company Name Stipend 1 Megha Narang Computer Engineering Barclays 75K/month 2 Mahek Karia Information Technology Barclays 75K/month 3 Daksha Aeer Computer Engineering Barclays 75K/month 4 Aahana Ganjewar Information Technology Barclays 75K/month 5 Komalika Acharya Computer Engineering Barclays 75K/month 6 Vaibhav Gawad Information Technology Barclays 75K/month 7 Sumanta Jena Information Technology Barclays 75K/month 8 Ronak Lala Information Technology Barclays 75K/month 9 Hiten Gerella Computer Engineering Barclays 75K/month Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 10 Selected Student List- 2025 Batch for Summer Internship-2024 Sr No Name of the candidate Branch Company Name Stipend 1 Umangi Gore Artificial Intelligence & Data Science Deutsche Bank 75K/month 2 Shagun Gupta Information Technology Deutsche Bank 75K/month 3 Uditi Tharanee Computer Engineering Deutsche Bank 75K/month 4 Shruti Kataria Computer Engineering Deutsche Bank 75K/month 5 Simran Totlani Computer Engineering Deutsche Bank 75K/month 6 Maithili Shinde Computer Engineering Deutsche Bank 75K/month 7 Nikshita Karkera Computer Engineering Deutsche Bank 75K/month 8 Abhishek Upadhyay Computer Engineering Deutsche Bank 75K/month 9 Somya Barwa Computer Engineering Deutsche Bank 75K/month 10 Sai Kaushik Sadu Computer Engineering Deutsche Bank 75K/month 11 Sagar Singh Computer Engineering Deutsche Bank 75K/month 12 Om Avhad Computer Engineering Deutsche Bank 75K/month 13 Atharva Honrao Information Technology Deutsche Bank 75K/month Thadomal Shahani Engineering College www.tsec.edu / www.tsecadmission.org 11 14 Gaurav Parshuram Ghade Information Technology Deutsche Bank 75K/month 15 Jagjeet singh Sappal Computer Engineering Deutsche Bank 75K/month 16 Krish Manghani Computer Engineering Deutsche Bank 75K/month 17 Vinesh Choithramani Computer Engineering Deutsche Bank 75K/month 18 Disha Bajaj Computer Engineering Deutsche Bank 75K/month 19 Shruti Punjabi Computer Engineering Deutsche Bank 75K/month 20 Ayesha Nagdawala Information Technology Deutsche Bank 75K/month

Training and Placement

PLACEMENT ADVISORY COMMITTEE MEMBERS

Dr. G. T. Thampi

Dr. Jayant Gadge

Prof. Mudita Dixit

Dr. Mukesh Israni

Dr. Maniroja Edingburgh

Dr. Madhuri Rao

Prof. Sunil Gidwani

Prof. Nita Mehta

Prof. Monica G. Tolani

For Placement related enquiry all are requested to send mail to

EMAIL ID: tsec.placement@gmail.com / gtthampi @yahoo.com

Contact Number: +91-8329288015

MANDATORY DISCLOSURE Website: www.tsec.edu UPDATED ON 07th June 2023 TSEC – MANDATORY DISCLOSURE 2023 – 2024 2 I. AICTE File No. 1-38689039645 AICTE Permanent ID 1-8657401 Date & Period oflast approval 15th May 2023 (2023– 24) 1. Name ofthe Institution Thadomal Shahani EngineeringCollege Address ofthe Institution Advocate Nari Gursahani Marg, 37th Road, (Off. Linking Road), TPS III, Bandra (West) City &Pin Code Mumbai - 400 050 State / UT Maharashtra Longitude& Latitude Longitude: 19.0645° N, Latitude: 72.8358° E Phone number withSTD code +91- 9967729590 Fax Number withSTD code 91-22-26053590 Email gtthampi@yahoo.com Website www.tsec.edu Nearest Railway Station (Dist.in Km) Bandra Railway Station (Approx. 2 km) Nearest Airport (Distancein Km) Chhatrapati Shivaji International Airport (Approx. 8.1 km) Type of Institution Private-Self Financed Category (1) of the Institution Minority (Sindhi) Category (2) of the Institution Co-Ed 2. Name of the organization running the Institution Hyderabad (Sind) National CollegiateBoard Type of the Organization Trust Address of the Organization 1st Floor, Mistry Bhavan, 124, Vidyasagar Principal K. M. Kundnani Chowk, Dinsha Wachha Road, Churchgate, Mumbai – 400020 Phone number with STD code +91-22-22024361/22880845 Fax Number with STD code -- Email hsncboard@gmail.com Website of the Organization www.hsncb.com 3. Name of the Principal Dr. G. T. Thampi Exact Designation Principal Phone Number with STD code +91- 9967729590 Email gtthampi@yahoo.com TSEC – MANDATORY DISCLOSURE 2023 – 2024 3 Sr. No. Name of the Member Designation 1 Mr. Anil Harish President, Hyderabad (Sind) National Collegiate Board. 2 Mr. Kishu Mansukhani Immediate Past President & Trustee, Hyderabad (Sind) National Collegiate Board. 3 Dr. Niranjan Hiranandani Past-President & Trustee, Hyderabad (Sind) National Collegiate Board 4 Mrs. Maya Shahani Trustee, Hyderabad (Sind) National Collegiate Board 5 Mr. Lal Chellaram Trustee, Hyderabad (Sind) National Collegiate Board 6 Prin. Dinesh Panjwani Secretary, Hyderabad (Sind) National Collegiate Board 7 Prof. Anand Patwardhan Nominee of University of Mumbai 8 Secretary, Higher &Technical Education, Mantralaya, Mumbai Secretary, Higher & Technical Education, Mantralaya, Mumbai 9 Directorate of Technical Education, Mumbai Nominee of State Government Industrialist/Technologist/Educationist from the Region 10 Dr. Madhuri Rao Professor, TSEC 11 Ms. Monica G. Tolani Assistant Professor, TSEC 12 Dr. G. T. Thampi Member Secretary & Principal Highest Degree Ph.D. (Technology) Field of Specialization - Business ProcessRe-engineering 4. Name of the affiliating University / Board University of Mumbai Address M.G. Road, Fort, Mumbai-400032. Website www.mu.ac.in 5. Governing Board Members Frequency of meetings & date of last meeting 01 in year Last meeting held in April 2023 TSEC – MANDATORY DISCLOSURE 2023 – 2024 4 AcademicAdvisoryBody It is in place to look into various matter of Institute related to academics. Frequency of meetings & date of last meeting As needed. Last meeting held on

February 2023 5. Organizational Chart & processes

5. Grievance Redressal mechanism for Faculty, staff and students Every student is assigned a mentor. Grievances related to academic and nonacademic matters are conveyed to them. Head of Institute oversees both the above processes. TSEC has formed all statutory committees like Anti Ragging Committee, Internal Complaint Committee Cell, and Grievance Committee to help students and staff.

Establishment of Anti Ragging Committee Anti Ragging Committee has been formed as per directives of All India Council of Technical Education, New Delhi and University of Mumbai Establishment of Online Grievance Redressal Mechanism The link is available on college website to accept grievance application Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University Grievance Committee has been formed as per directives of All India Council of Technical Education, New Delhi and University of Mumbai. Establishment of Internal Complaints Committee (IC) Institute has constituted ICC Committee as per AICTE norms Establishment of Committee for SC/ST SC/ST Committee has been formed as per Scheduled Tribe and Scheduled Caste ACT, 1989 Internal Quality Assurance Cell Institute has constituted IQAC cell as per the guidelines of UGC and its major functions are to monitor various aspects of Institute related to Quality.

6. Programmes I. Name of Programmes Approved by AICTE Course Level 1. Artificial Intelligence and Data Science Undergraduate Programs 2. Chemical Engineering 3. Computer Engineering 4. Electronics and Telecommunications Engineering 5. Information Technology II. Name of Programmes Accredited by NBA 1. Chemical Engineering (UG) Accredited 2. Computer Engineering (UG) 3. Electronics and Telecommunications Engineering (UG) 4. Information Technology (UG)

III. Status of Accreditation of the Courses Total number of Courses No. of Courses for which applied for Accreditation Status of Accreditation 5 NA Five UG programs Accredited: Computer Engg, Chemical Engg, Electronics & Telecommunication Engg, Information Technology accreditation for 3 years has been awarded by National Board of Accreditation with effect from 01.07.2022 to 30.06.2025.

IV. For each Programme the following details are to be given Name of the Course Number of Seats Level Duration Cut off Marks/ Ranks of admission during the last year (OPEN) Fee (2022- 23) Placement Facilities Campus Placement in last years with minimum salary, maximum salary and average salary Artificial Intelligence and Data Science 120 UG 4 years 96.44%ile Rs. 176312/- Yes -- Chemical Engineering 60 UG 4 years 76.48%ile Rs. 176312/- Yes https://tsec.edu /placementstatistics-2/ Computer Engineering 180 UG 4 years 97.63%ile Rs. 176312/- Yes Electronics and Telecommu nications Engineering 60 UG 4 years 92.61%ile Rs. 176312/- Yes Information Technology 120 UG 4 years 96.88%ile Rs. 176312/- Yes

7. Faculty Faculty Details is available on Individual department sections of our Website www.tsec.edu Permanent Faculty: Student Ratio 1:19.26

8. Profile of Principal https://tsec.edu/principal/ https://gtthampi.pro/

9. Fee Details of Fee, as approved by state Fee Committee, for the Institution Fees in rupees 2023-24 2022-23 2021-22 Rs. 195265/- Rs. 176312/- Rs. 189103/-

No. of Fee waivers granted with amount and name of students (2022-23) 26 Number of scholarship offered by the Institution, duration and amount NIL

10. Admission I. Number of seats sanctioned with the year of approval Name of the Course Level Sanctioned Intake Year of Approval Artificial Intelligence and Data Science UG 120 2020 Chemical Engineering UG 60 1983 Computer Engineering UG 180 1991 Electronics and Telecommunications Engineering UG 60 2002 Information Technology UG 120 1998

II. Number of students admitted under various categories each year in the last three years Name of the Course Level Year wise Actual Admissions 2022-23 2021-22 2020-21 Artificial Intelligence and Data Science UG 126 125 63 Chemical Engineering UG 45 49 45 Computer Engineering UG 192 192 192 Electronics and Telecommunications Engineering UG 64 34 54 Information Technology UG 127 127 127 III. Number of

applications received during last two years for admission under Mgt. Quota and number admitted No Mgt. Quota 11. Admission Procedure: Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website) State Common Entrance Test Cell, Maharashtra State URL: http://cetcell.mahacet.org/ Number of seats allotted to different Test Qualified candidate separately (AIEEE//JEE/ CET (State conducted As per directives of CET CELL TSEC – MANDATORY DISCLOSURE 2023 – 2024 8 test/ University tests/ CMAT)/ Association conducted test etc.) Calendar for admission against Management quota seats: No Mgt. Quota 12. Criteria and Weightages for Admission: Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc As per directives of CET CELL Mention the minimum Level of acceptance, if any As per directives of CET CELL Mention the cut-off levels of percentage and percentile score of the candidates in the admission test for the last three years No Mgt. Quota Display marks scored in Test etc. and in aggregate for all candidates who were admitted No Mgt. Quota 13. List of Applicants: List of candidate whose applications have been received along with percentile/ percentage score for each of the qualifying examination in separate categories for open seats. https://drive.google.com/file/d/1v_G9BSNwKtsS6Vc 0DqwbVh-tpVxEz_S6/view?usp=drive_link List of candidate who have applied along with percentage and percentile score for Management quota seats No Mgt. Quota 14. Results of Admission Under Management seats/Vacant seats: Composition of selection team for admission under Management Quota No Mgt. Quota List of candidate who have been offered admission Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate 15. Information of Infrastructure and Other Resources Available: Number of Class Rooms and size of each Total No. of Class Rooms is 23 and Total size is 1522.00 sq.ft TSEC – MANDATORY DISCLOSURE 2023 – 2024 9 Number of Tutorial rooms and size of each No. of Tutorial – 7, Total capacity 436 sq.ft Number of Laboratories and size of each No. of laboratory -44, Total capacity 2943 sq.ft Number of Drawing Halls with capacity of each Drawing Hall – 1 with capacity -132 sq.ft Number of Computer Centres with capacity of each Computer Centre -1 with capacity -150 sq.ft each Central Examination Facility, Number of rooms and capacity of each Total Rooms 02 and with capacity -50 sq.ft Online examination facility (Number of Nodes, Internet band width, etc.) Yes, 500 Nodes, Bandwidth:700 MBPS Barrier Free Built Environment for disabled and elderly persons Yes Fire and Safety Certificate Yes Hostel Facilities Not Applicable Library Number of Library books/Titles/Journals available (Programme-wise) Number of Titles : 8465 Number of Volumes: 41956 Number of Journals: 40 Number of eBook 1890 List of online National/International Journals subscribed 200 (IEEE APP Subscription) E-Library facilities Yes National Digital Library (NDL) subscription details Affiliated to University Laboratory and Workshop List of Major Equipment/Facilities in each Laboratory/ Workshop Available under each department List of Experimental Setup in each Laboratory/ Workshop Available under each department Computing Facilities Internet Bandwidth 700 MBPS Total number of system connected by LAN Innovation Cell Available Social Media Cell Available Compliance of the National Academic NA TSEC – MANDATORY DISCLOSURE 2023 – 2024 10 Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments List of facilities available: Students Activity Body TSEC Students' Council is a student body of the college which overhauls the workingof cultural events in and out of thecollege Cultural activities TSEC Students' Council is a student body of the college which overhauls the workingof cultural events in and out of thecollege Sports activities TSEC Sports Committee is the sole body responsible for encouraging various athletes, sports persons and enthusiasts by conducting sport activities Magazine / Newsletter TSEC Digital Diary committee is responsible for the Annual College Magazine Technical activities / Tech fest Various technical committees such as CSI, IETE,

ISTE, IIche, CodeTantra, Electroverse, Codecell, Codestorm conduct multiple technical events throughout the year Teaching Learning Process: Academic Time Table with the name of the Faculty members handling the Course Available under each department 16. Enrolment and placement details of students in the last 3 years: Available on Institute site under : https://tsec.edu/placement-statistics-2/ 17. List of Research Projects/Consultancy Works: MoUs with Industries : 05 MOU's 18. LoA and subsequent EoA till the current Academic Year: Available on institute website 19. Accounted audited statement for the last three years: https://

Library Staff

Mrs. Shubhada Shedge

Ms. Renu Punwani

Mr. Manvendra Dhimate

Mr. Raghvendra Prasad Shukla

Mr. Suryanarayan Singh

Mr. Deviprasad Verma

Library Location

TSEC Library is located on the 4th floor of the old building with an area of 465 sq. m. The reading room is well lighted with air-condition with a seating capacity of around 120.

Library Collection

Library houses more than 40,000 books including 2000 e-books which cover more than 10,000 titles. It subscribes to 48 National journals & 14 National Magazines along with online subscription of Science Direct.

Library Timings

- Monday to Saturday – 9:00 a.m. to 5:00 p.m.

Library Facilities

- Book Bank
- Fiction
- E-Resources
- Digital Library
- Reference Services
- Photocopying