

THADOMAL SHAHANI ENGINEERING COLLEGE

ADMISSION PROSPECTUS
2019-20



THADOMAL SHAHANI ENGINEERING COLLEGE

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Chairperson of Board of Governors - President H(S)NCB
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8. **Nominee of State Government**
9. **Nominee of State Government**
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Educationist from the Region
10. **Dr. Ashwini Kunte**
Professor
11. **Mr. Chetan Agarwal**
Assistant Professor
12. **Dr. G.T. Thampi**
Member Secretary of Board of Governors
& Principal, TSEC





GENESIS

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

Hotchand G. Advani the Hyderabad (Sind) National Collegiate Board came into existence in 1949 at Mumbai. Late Barrister H.G. Advani was the Founder President and Late Principal K.M. Kundnani was the Founder Secretary and Founder Principal of the first college started by the board and known as the Rishi Dayaram National College, Bandra, Mumbai.

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



Principal Khushiram
Motiram Kundnani



Barrister Hotchand
Gopaldas Advani



Padmabhushan
Dr. L.H. Hiranandani

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

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FROM THE PRINCIPAL'S DESK

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

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

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

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

Dr. G.T.Thampi
Principal, TSEC





VISION

Perpetuating and transcending the process of

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

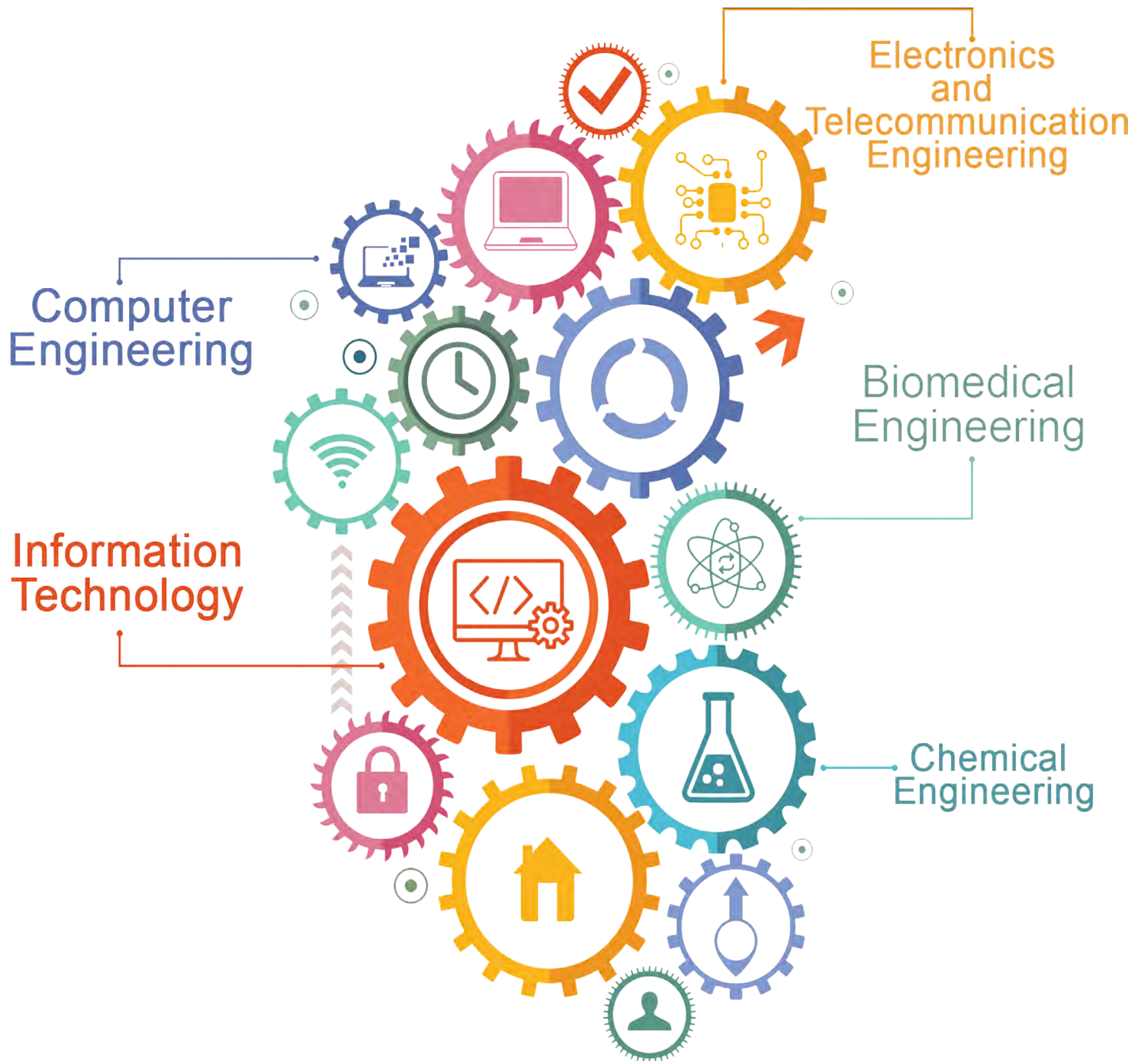
MISSION



Focusing and practicing

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

DEPARTMENTS



DEPARTMENT OF COMPUTER ENGINEERING

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

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

gies, department has a digital library facility with reputed International and National Journals like Science Direct etc.

The students are focused with the use of conceptual understanding of core domain areas in computing as well as enhanced programming skills disseminating their analytical abilities. Our aim is to provide our students the lifelong learning and leadership skills that enable them to grow in their professions and advance to positions of responsibility by effective Industry-Institute Interaction. The Department has an excellent placement record and the students are placed in prestigious software industries all across the globe. Along with Degree program in Computer Engineering, Department has also started Research Program (Ph.D.) in the academic year 2014 – 2015.



Dr. Tanuja Sarode
Head of Department

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

DEPARTMENT OF INFORMATION TECHNOLOGY

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

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

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

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

Many of our alumni hold esteemed positions in many reputed companies in India and abroad. Many of our students have passed

various competitive examinations like GATE, GRE, TOEFL, CAT etc with good scores and secured their admissions in premier educational Institutions in India and Universities abroad.

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

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

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



Dr. Madhuri Rao
Head of Department

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

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Department of Electronics and Telecommunication was established in year 2002 with a clear view of a forerunner in the field of Telecommunications, the Department seeks to evolve towards excellence and adapt itself to the rapid advancements in specialized communication related fields. This Department earlier had nomenclature of Electronics Engineering from 1983 to 2001. Department is accredited by National Board of Accreditation (NBA) for the period 2019 to 2022. The Department also offers a Doctoral research program in Electronics Engineering (Ph D). A highly qualified, experienced, dynamic and technologically updated faculty with this department, endows the professional cutting edge. The department has a good record of organizing seminars, workshops, and symposia in emerging technological areas. Department faculty and students together have published 50 papers in peer reviewed journals and also filed patents in the areas of miniaturization of antennas and Energy Harvesting.

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

Our students take up final year project in the field of embedded systems, Controls & Automations, Signal Processing, Image Pro-

cessing, Antenna, Wireless Networks, Mobile Communications under the guidance of our highly qualified, experienced faculties to meet the emerging trends and challenges in the field of Electronics & Telecommunication Engineering and its allied areas on the global platform. The department also receives the grant from the University of Mumbai for the same.

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



Dr. Ashwini Kunte
Head of Department

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

DEPARTMENT OF CHEMICAL ENGINEERING

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

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

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

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

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

Rayons, ONGC, BPCL, HPCL, Godrej, Reliance, BARC, Mahindra and Mahindra, Deepak Fertilizers, Lupin, etc.

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

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



Dr. Anita Kumari
Head of Department

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

DEPARTMENT OF BIOMEDICAL ENGINEERING

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

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

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

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

of deep learning and artificial intelligence.

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

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



Dr. Mita Bhowmick
Head of Department

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

ALUMNI SPEAKS



Pratik Bhagat

Senior Process Engineer GS Engineering & Construction



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



Lekha Nirmal

Executive Director, P-Mech Consultant Pvt. Ltd.



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



Vinayak Deshpande

Business Head, Maestros Electronics & Telecommunications Systems Ltd



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



Rohan Patil

IES Officer – Government of India



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



Shirish Dhar

Senior Data Scientist Boston Consulting Group



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



Ajit S. Bopardikar

Sr. Chief Engineer Samsung R&D Institute-Bangalore



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



Sanket Purandare

Microsoft Research



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



Nikhil Nawathe

Manager, Research at Facebook



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



Prachi Darshetkar

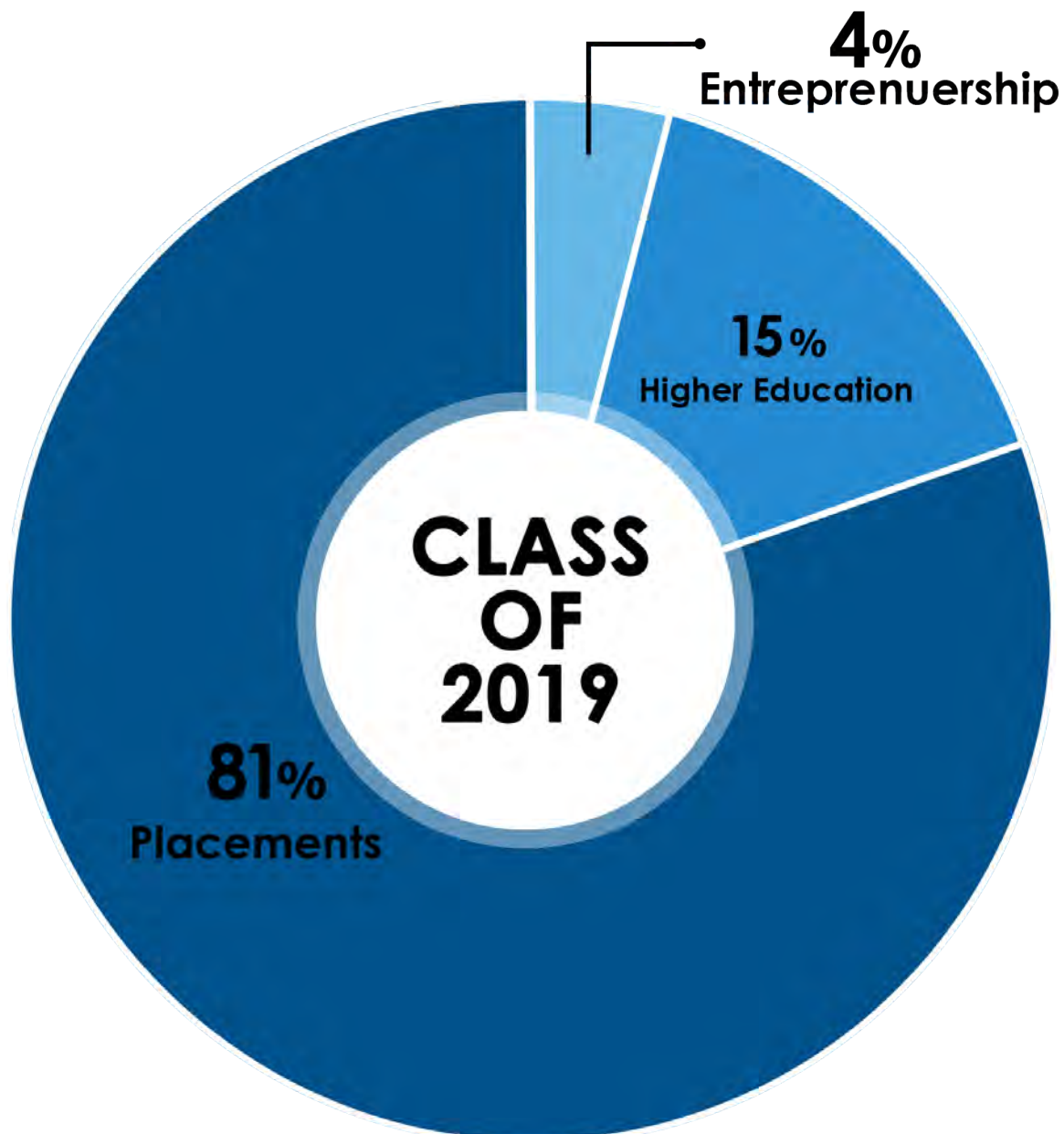
Chief Manager - Clinical Engg. Dept Kokilaben Ambani Hospital

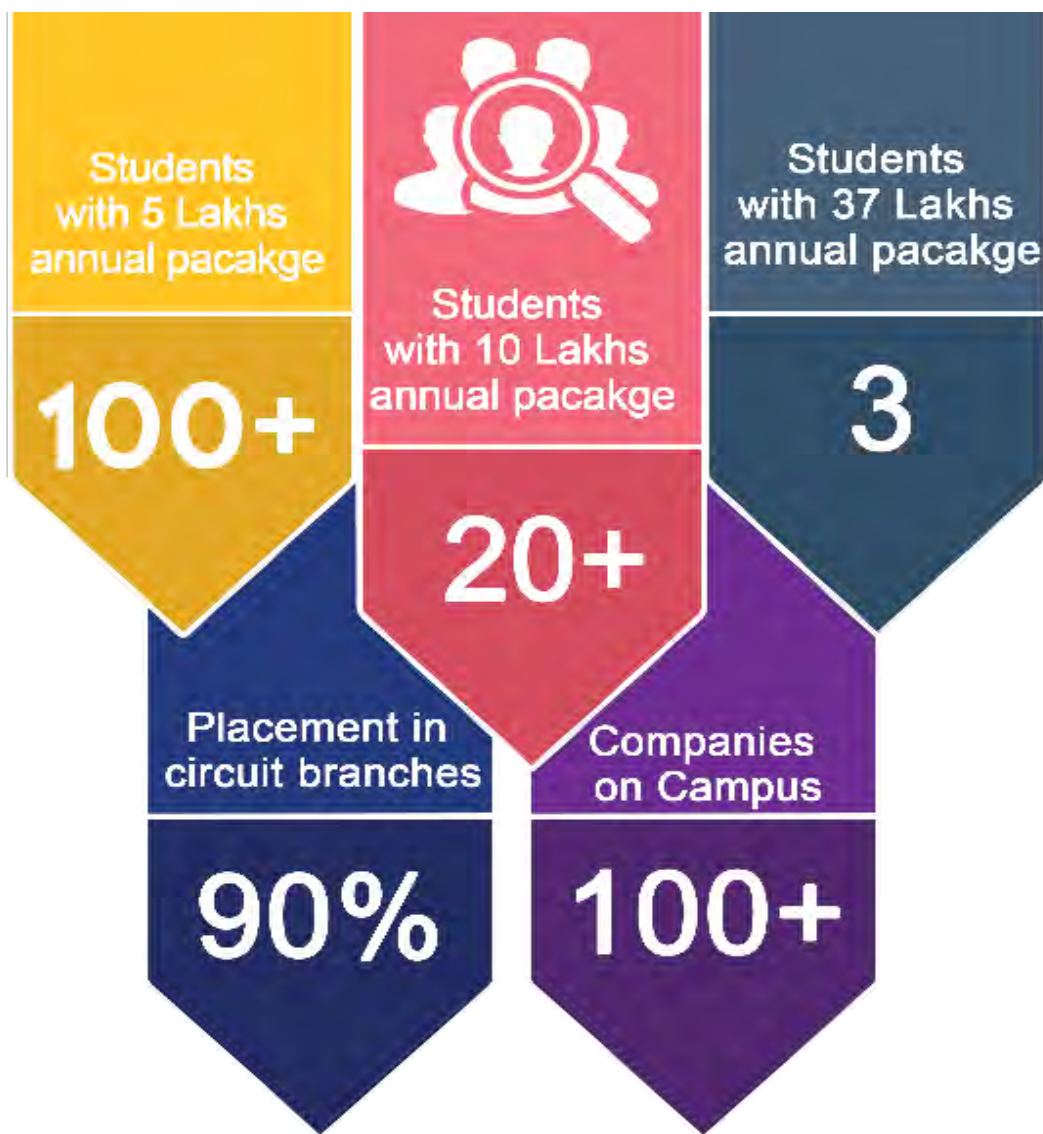


Prachi is Biomedical Engineer from TSEC. She manages the Biomedical Engineering department in Kokilaben Ambani Hospital having more than 3500 Medical Equipments of Latest Technology. She also has the responsibility of management of Gas Plant room, Liquid oxygen tank & medical gases.

PLACEMENT AND INTERNSHIP

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





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

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



OUR RECRUITERS

BURNS & MCDONNELL

Infosys®

 **Tecnimont**
Tecnimont Private Limited

DUFF & PHELPS

 **GEP**®

 **FAST RETAILING**

 **NSEIT**

 **BillDesk**
All your payments. Single location.

JACOBS™ jaro

 **Clarivate**
Analytics

 **quantiphi**

 **Sapient**

 **VISTAAR**

 **Jio**

MSCI 

 **Deutsche Bank**

 **Reliance**
RETAIL

 **accenture**

 **CitiusTech**  **BNP PARIBAS**

TRANSASIA®  **ElasticRun** **TEACHFORINDIA**

 **J.P.Morgan**

 **BrowserStack**

 **Technip**

Atos

 **TATA**

 **BYJU'S**
The Learning App

Tech
Mahindra

TATA CONSULTANCY SERVICES

 **media.net**

 **ITIVITI**

 **LARSEN & TOUBRO**

amazon  **GEP**®
Insight Drives Innovation

 **EY**

EXPECTATION OF INDUSTRY FROM HIGHER EDUCATIONAL INSTITUTES

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

Different economy demands and requires graduates with different attributes-

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

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

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

EPITOME OF RESEARCH

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

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

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

Many faculties have filed various patents in different domains.

SCHOLARSHIP DATA FOR THE ACADEMIC YEAR 2018-19

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

Note:

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

CONTINUING EDUCATION PROGRAM, LIFELONG LEARNING, UNLEARNING, RELEARNING PROCESSES

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

Core Competencies

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

Other Competencies and Value Propositions

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

Other Facilities

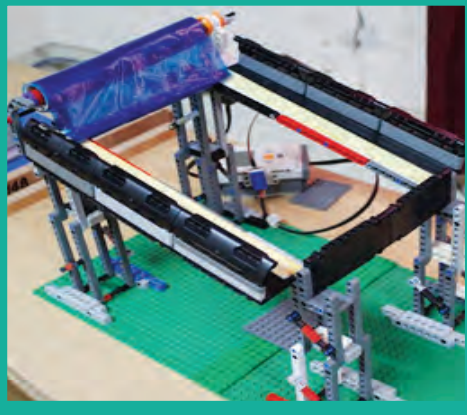
- Wi-fi and Leased line of 15 Mbps Internet enabled campus
- Canteen facility for hygienic and cost effective food
- Spacious student lounge and libraries
- Courteous and caring auxiliary staff
- Neighborhood medical facility
- High degree of parental facilitation, continual information about wards performance,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

The Key Differentiator

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

Holistic Personal Development for Global Market Place

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



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



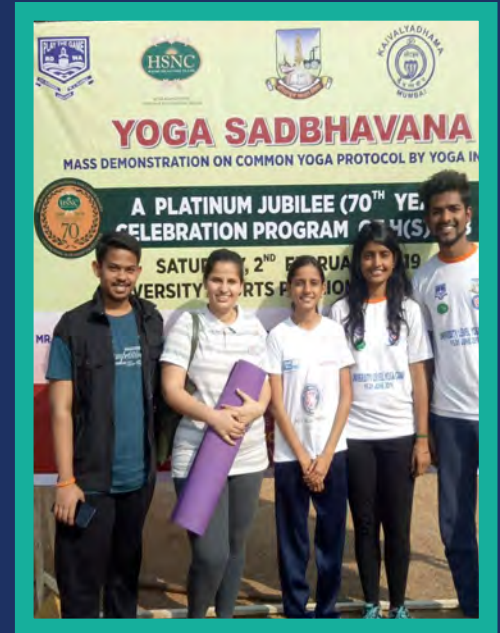
**SEMINARS
GUEST LECTURES
HACKATHONS
WORKSHOPS
PROJECT EXPO
TECHNICAL PAPER
PRESENTATION**





HOLISTIC DEVELOPMENT OF STUDENTS THROUGH COMPREHENSIVE PAR- TICIPATION IN SPORTS AND EXTRACURRICULAR ACTIVITIES





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



CAMPUS LIFE





COLLEGE COMMITTEES



ELIGIBILITY CRITERIA AND ADMISSION PROCESS

1. Number of Seats

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

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

2. Eligibility Criteria

2.1 Maharashtra State Candidature Candidate

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

or

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

2.2 All India Candidature Candidates

- i. The Candidate should be an Indian National;

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

or

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

For further details, visit

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

3. Allotment of Seats

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

3.1 Maharashtra State Candidature Candidates

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

3.2 All India Candidature Candidates

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

4. Preparation of Merit List

4.1 Assignment of Merit Number

a. For Maharashtra State Candidate, All India Candidate

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

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

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

b. For Diploma Candidates

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

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

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

4.2 Change of Marks due to verification

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

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

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

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

5. Admission Process

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

Obtaining the admission kit.

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

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

Submission of Data Sheet

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

Verifying Institute Merit Number

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

Attending Admission Rounds

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

Candidate should produce the following during the time of admission round

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

Important Note :

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

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

6. Documents Required

Candidates seeking admission through institute rounds

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

Candidates seeking admission through Centralized Admission Process

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

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

7. Retention of Original Certificates

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

8. Fees, Cancellation and Refund

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

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

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

Mode of Payment of Fees

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

Cancellation of Admission and Refund of Fees

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

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

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

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

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

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

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

9. MISCELLANEOUS

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

10. Hostel Accommodation

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

11. Conduct and Discipline

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

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

Action Against Ragging

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

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

12. UNDERTAKING

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

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

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

- a) I have not been debarred from appearing at any examination held by the government constituted or Statutory Examination Authority in India.
- b) I fully understand that the offer of a course will be made to me depending on my inter se merit and availability of a seat at the time of scrutiny of my application, when I will actually report to the admission authority according to the schedule of admission.
- c) I understand that no document after the last date of submission will be entertained for the purpose of claims or concessions etc. in connection with my admission unless otherwise mentioned in the rules.
- d) I am fully aware that the Competent Authority or its representative will not make any correspondence with me regarding admission. I am also aware that it is entirely my responsibility to see the notice board and website of concerned Admission Centre.
- e) I am aware that any rule imposed by the university such as imposing limits on the number of attempts permission to pass any examination” shall be binding on me.
- f) I hereby agree to confirm to any Rules, Acts and Laws enforced by government and I hereby undertake that I will do nothing either inside or outside the College which may result in disciplinary action against me under these Rules, Acts, Laws referred to.
- g) I fully understand that the Principal of College, has right to expel me from the College for any infringement of the rules of the conduct and discipline prescribed by the College or University or Government and the Undertaking given above.

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

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

New Delhi

NOTIFICATION

Dated 01-07-2009

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

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

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

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

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

1. Definitions:-

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

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

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

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

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

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

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

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

2. What constitutes Ragging: -

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

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

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

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

3. Measures for prevention of ragging:-

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

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

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

3. The application form for admission/enrolment shall have a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages. The affidavit should be filled up and signed by the candidate to the effect that he/she is aware of the law regarding prohibition of ragging as well as the punishments, and that he/she, if found guilty of the offence of ragging and/or abetting ragging, is liable to be punished appropriately.
4. The application form shall also contain a printed affidavit, preferably both in English and Hindi and/or in one of the regional languages and the affidavit should be signed by the parent/guardian of the applicant to the effect that he/she is also aware of the law in this regard and agrees to abide by the punishment meted out to his/her ward in case the latter is found guilty of ragging and/or abetting ragging.
5. The application for admission shall be accompanied by a document along with the School Leaving Certificate/Character Certificate which shall include a report on the behavioural pattern of the applicant, so that the institution can thereafter keep intense watch upon the student who has a negative entry in this regard.
6. A student seeking admission to the hostel shall have to submit another affidavit along with his/her application for hostel accommodation that he/she is also aware of the law in this regard and agrees to abide by the punishments meted out if he/she is found guilty of ragging and/or abetting ragging.
7. Every technical institution, University including Deemed to be University imparting technical education shall maintain a proper record of the affidavits obtained to ensure its safe up keep thereof, including digital copies of the affidavits and such digital copy should be made available to the AI(TE or to an Agency identified/nominated by AICTE.
8. The AICTE or an Agency identified/nominated for the purpose and affiliating Universities and Directorate of Technical Education of the concerned State Govt./UT shall maintain an appropriate data base of the affidavits in the digital form obtained from every student at the time of admission to the technical institutions. Universities including Deemed to be Universities imparting technical education.

9. Each batch of freshers should be divided into small groups and each such group shall be assigned to a member of staff. Such staff member should interact individually with each member of the group on daily basis to ascertain the problems/difficulties, If any faced by the freshers in the Institution and extend necessary help.
10. In case of freshers admitted to a Hostel it shall be the responsibility of the teacher in charge of the group to co-ordinate with the warden of the Hostel and to make surprise visits to the rooms in the hostel where the members of the group are lodged. Freshers should be lodged in a separate hostel block wherever possible and where such facilities are not available, the college/institution shall ensure that seniors' access to fresher's accommodation is strictly monitored by wardens, Security Guards and Staff.
11. Every institution should engage or seek the assistance of professional counselors at the time of admissions to counsel 'fresher' in order to prepare them for the life ahead, particularly for adjusting to the life in hostels. At the commencement of the academic session, the Head of the technical Institution, University including Deemed to be University imparting technical education shall convene and address a meeting of various functionaries/agencies, like Wardens, representatives of students, parents/guardians, faculty, district administration including police, to discuss the measures to be taken to prevent ragging and steps to be taken to identify the offenders and punish them suitably.

Colleges Managed By The Board

1. Rishi Dayaram National College of Arts and Science, Bandra (W), Mumbai 400 050.
2. Kishinchand Chellaram College of Arts and Science, Churchgate, Mumbai 400 020.
3. Kishinchand Chellaram Law College, Churchgate, Mumbai 400 020.
4. Hassaram Rijhumal College of Commerce and Economics, Churchgate, Mumbai 400 020.
5. Smt. Mithibai Motiram Kundnani College of Commerce & Economics, Bandra (W), Mumbai 400 050.
6. Smt. Chandibai Himathmal Mansukhani College of Arts, Science and Commerce, Ulhasnagar 421 003.
7. Bombay Teachers' Training College, Colaba, Mumbai 400 005.
8. Prin. K.M. Kundnani College of Pharmacy, Cuffe Parade, Mumbai 400 005.
9. Gopaldas Hamatmal Advani Law College, Bandra (W), Mumbai 400 050.
10. Watumull Institute of Electronics Engineering and Computer Technology, Ulhasnagar 421 003.
11. Thadomal Shahani Engineering College, Bandra (W), Mumbai 400 050.
12. HSNCB's Dr. L.H. Hiranandani Pharmacy College, Ulhasnagar 421 003.
13. HSNCB's H. & G. Himatmal Mansukhani Institute of Management, Ulhasnagar 421 003.
14. Nari Gursahani Law College, Ulhasnagar 421 003.
15. Prin. K.M. Kundnani Pharmacy Polytechnic, Ulhasnagar 421 003.
16. K.C. College of Management Studies, Churchgate, Mumbai 400 020.



“WHY ENGINEERING IS STILL THE MOST PREFERRED EDUCATIONAL PROGRAM”

No. of years getting engaged
in classroom/college: **4 Years**

Expenditure incurred: **2 Lacs per annum**

Total expenditure incurred
for the course: **Less than 8 Lacs**

Compensation from industry/business
on campus placement: **6 Lacs per annum**

Time required to recover the
investment of four year program: **Less than 18 months**

ADDITIONAL BENEFITS:

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



HYDERABAD (SIND)
NATIONAL COLLEGIATE BOARD

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