

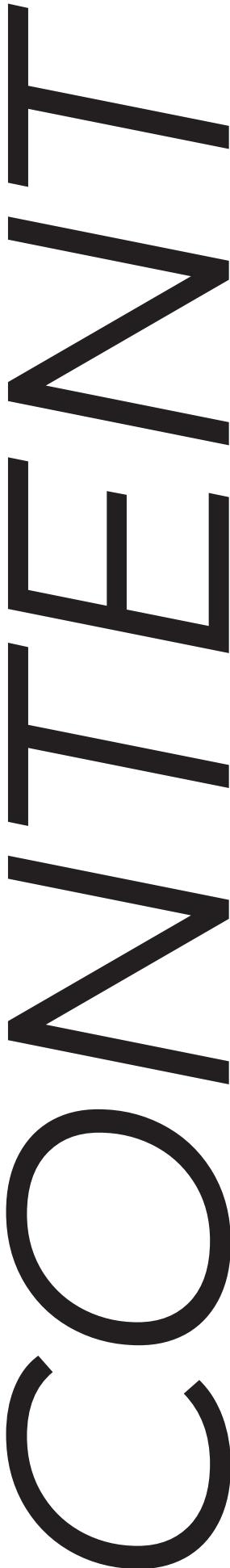
THADOMAL SHAHANI ENGINEERING COLLEGE

2025-26

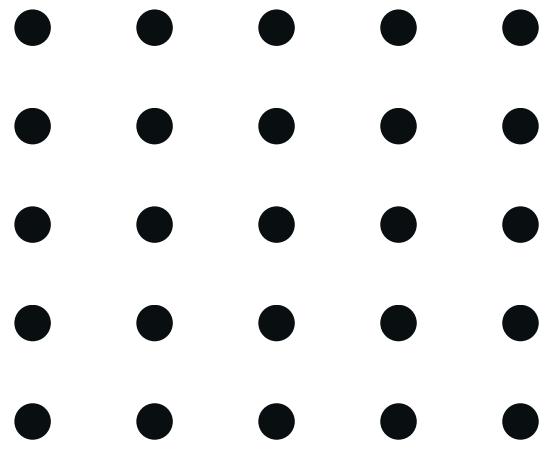
ADMISSION PROSPECTUS

For Admission to First Year of Engineering





- 01. PRINCIPAL'S FOREWORD**
- 02. OUR TRUSTEES**
- 03. GOVERNING BOARD MEMBERS**
- 04. INSTITUTE RANKINGS**
- 05. VISION AND MISSION OF
INSTITUTE**
- 06. LIFE AT TSEC**
- 07. PLACEMENT & INTERNSHIP**
- 08. DEPARTMENTS**
- 09. ALUMNI SPEAKS**
- 10. INSTITUTE DISTINCTIVENESS
& BEST PRACTICES**
- 11. EPITOME OF RESEARCH**
- 12. CONTINUING EDUCATION PROGRAM**
- 13. FEES FOR A.Y 2025-26**
- 14. ADMISSION DETAILS**





PRINCIPAL'S COMMENTARY

Empowering Tomorrow: Engineering Education That Shapes Wealth Creators , Value Creators and Nation Builders

A Gateway to Excellence for Parents and Aspiring Students

Choosing the right institute for your engineering education is a pivotal moment, and we understand that this decision goes beyond academics—it is about nurturing a young mind to grow intellectually, emotionally, and spiritually. At our institute, we have embraced a holistic approach to education that ensures our graduates are not only technically proficient but also emotionally resilient and spiritually aware, equipped to thrive in an ever-evolving global landscape.

A Culture of Collective Consciousness

Our institute stands as a beacon of collective consciousness, fostering intellectual rigor while instilling emotional intelligence and spiritual awareness. We believe that engineering education must not solely revolve around textbooks and algorithms but include the capacity for empathy, collaboration, and ethical decision-making. In today's interconnected world, engineers must possess a consideration for humanity, sustainability, and the greater good.

From the first day on campus, students are immersed in an environment that values innovative thinking and emotional well-being. Through mentorship programs, mindfulness workshops, and leadership seminars, we cultivate graduates who are not just problem-solvers but visionaries. We aim to develop individuals who understand the intersection of technology and humanity, taking measured steps to ensure their projects benefit society at large.

Commitment to Excellence in Career Outcomes

For aspiring engineers and their parents, future career success is an essential consideration. It is with pride that our institute offers robust pathways to placement in highly coveted roles. Our alumni have consistently secured positions in top-tier consultancies, investment banks, IT services industries, and other high-paying sectors that value technical expertise combined with strategic thinking.

Moreover, we recognize the opportunities in emerging fields such as Artificial Intelligence (AI), semiconductor manufacturing, and chemical process industries. These domains are shaping the global economy, and our graduates are well-prepared to be part of this transformation. We have forged partnerships with leading companies to ensure our students are exposed to cutting-edge technologies, real-world challenges, and internships that allow them to contribute meaningfully to the evolving supply chain of human capital.

Alignment with Emerging Market Needs

As the demand for highly specialized talent grows in new frontiers such as the AI marketplace, semiconductor industries, and advanced chemical processing plants, our institute is dedicated to aligning its curriculum with these market needs. Students are trained in relevant technical skills, including data analytics, machine learning, process optimization, and nanotechnology. Complementing these technical courses is an emphasis on industry engagement through seminars, guest lectures, and collaborative projects with market leaders.



PRINCIPAL'S COMMENTARY

Empowering Tomorrow: Engineering Education That Shapes Wealth Creators , Value Creators and Nation Builders

Our graduates are not just employees—they are innovators who drive change and elevate industries. Whether they are designing smarter algorithms, innovating semiconductor technologies, or enhancing chemical processes, our alumni are at the forefront, contributing to breakthroughs that shape the future.

Why Choose Us?

In a world where technical skills alone are insufficient, we stand apart by offering an education that balances intellectual depth, emotional intelligence, and spiritual insight. Parents can rest assured that their children are joining an institute where their growth is multidimensional, ensuring not only career success but also a fulfilling life.

For aspiring students, we offer unparalleled opportunities to explore cutting-edge technologies while building impactful careers in industries that matter. Our placement records stand testimony to our commitment, with graduates landing lucrative roles in influential organizations. Simultaneously, our holistic ethos ensures that they leave campus as not just engineers but as compassionate leaders and responsible global citizens.

Conclusion

Parents and students alike seek assurance of a bright and promising future. More than just an educational institution, we are a transformative space where minds are sharpened, hearts are nurtured, and spirits are elevated. Join us to experience a journey that leads not only to professional success but also to a profound understanding of the world—and your role in shaping it.

The future awaits. Let us build it together.

“

DR. G. T. THAMPI
PRINCIPAL, TSEC

OUR TRUSTEES



**Dr. Niranjan Hiranandani
President**



**Mr. Anil Harish
Immediate Past
President**



**Mr. Kishu Mansukhani
Past President**



**Mr. Lal Chellaram
Trustee**



**Dr. Maya Shahani
Trustee**



**Principal Dinesh
Panjwani
Secretary**

GOVERNING BOARD MEMBERS

01

Dr. Niranjan Hiranandani

Chairperson of Board of Governors - President HSNC BOARD

02

Mr. Anil Harish

Educationist/Industrialist - Immediate Past President HSNC BOARD

03

Mr. Kishu Mansukhani

Trustee Nominee - Past President HSNC BOARD

04

Dr. Maya Shahani

Educationist, Trustee HSNC BOARD

05

Mr. Lal Chellaram

Educationist/Industrialist, Trustee HSNC BOARD

06

Prin. Dinesh Panjwani

Educationist, Secretary HSNC BOARD

07

Prof. Anand Patwardhan

Nominee of the University

08

Nominee of State Government

09

Nominee of State Government

Industrialist/Technologist/ Educationist from the Region

10

Dr. Madhuri Rao

Professor

11

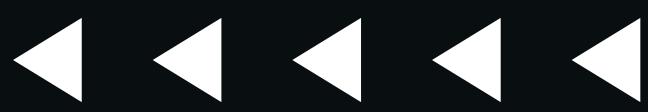
Dr. Monica G. Tolani

Assistant Professor

12

Dr. G. T. Thampi

Member Secretary of Board of Governors, Principal TSEC



INSTITUTE RANKINGS



All UG courses NBA accredited



B++ Grade in NAAC



Ranked 14th in Placement in all India by Times Engineering Survey 2025.



Ranked 41st Rank in all India Top Engineering Colleges by Times Engineering Survey 2025.



Ranked 02nd in Top Engineering Colleges In Mumbai by Times Engineering Survey 2024.



Recognized as Leading AI & Machine Learning Institutes for 2024 for our commitment to excellence in education, research, and innovation in the ever-evolving domains of AI and Machine Learning.



TSEC has secured All India Rank of 22nd among 2000+ colleges participating in Annual Rankings for the year 2024 of Internshala



Dr. G. T. Thampi, Principal, TSEC was presented with Best Principal Award at CSI-E-TechNext 2024



"Gold Band in The Outcome based Education Rankings 2024 and is positioned as "The Premier Institution for Academic Excellence", in India



TSEC is rated as a Sustainable Institutions of India within the Gold Band, in the Green Rankings 2024 by R. the World Institutional Ranking

VISION

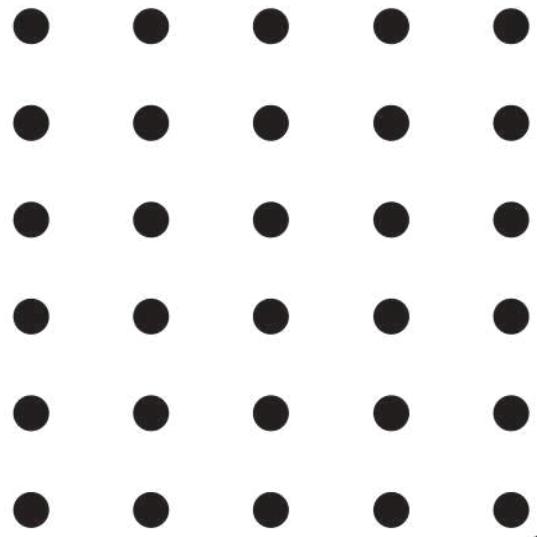
Perpetuating and transcending the process of

- 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



LIFE AT TSEC



SMART INDIA HACKATHON 2024 WINNERS



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



Ministry of
Education
Government of India



SMART INDIA
HACKATHON
2024

THADOMAL SHAHANI ENGINEERING COLLEGE

Congratulations to the Winners of Smart India Hackathon 2024



TEAM KNIGHTCODERS_27

Pooja Gawade (BE Comps) Dhruvil Tandel (BE Comps)
Jitesh Gogia (BE Comps) Mamta Gupta (BE IT)
Shruti Ghagare (BE Comps) Pranav Patil (TE Comps)

Nodal Center: Komarapalayam, Tamil Nadu



TEAM ACCESS DENIED

Shreyans Jain (BE Comps) Siddhima De (TE Comps)
Varun Jajoo (BE Comps) Anish Awasthi (TE Comps)
Ritojnan Mukherjee (TE Comps) Mayuresh Chavan (TE Comps)

Nodal Center: Lovely Professional University, Punjab



INDUSTRIAL VISIT



SPORTS



SPORTS



MARATHON



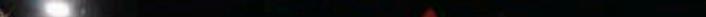
CULTURAL



MARATHON



CULTURAL



SOCIAL OUTREACH



Karjat, Maharashtra, India
27GX+438, Taluka, Dhas Wadi, Ambewadi, Karjat, Maharashtra 410101, India
Lat 19.025146°
Long 73.297391°
27/08/22 09:51 AM



Mumbai, MH, India
37th Road, Khar West, Mumbai, 400052,
MH, India
Lat 19.064166, Long 72.835643
01/21/2023 09:51 AM GMT+05:30



SOCIAL OUTREACH



COMMITTEES





Developer Student Clubs

Thadomal Shahani Engineering College



ELECTROVERSE.COMM



CODETANTRA



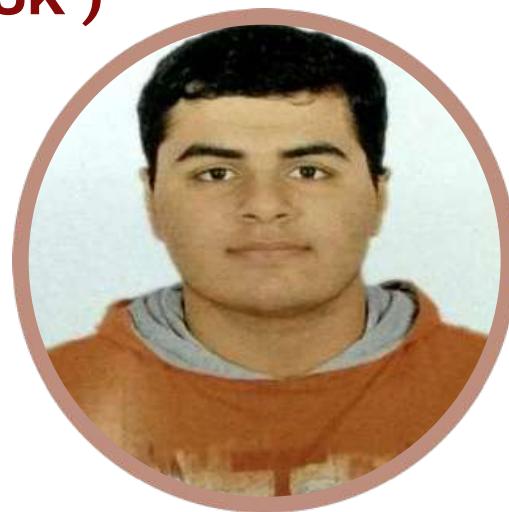
TOP PLACEMENTS IN LAST 4 YEARS



MR. ARYAN NAYAK

1 Crore 17 Lakh

(Amazon-UK)



MR. MIHIR PAGHDAL

55 Lakh

(Deutsche Bank Berlin)

MR. PRATIK KUNDNANI

45 Lakh

(Trilogy)

TOP PLACEMENTS IN LAST 4 YEARS



ANAS KHAN
41 LPA

SKM Air Conditioning LLC



AARYAMONVIKRAM SINGH
37 LPA

MOHAMED BIN ZAYED UNIVERSITY OF
ARTIFICIAL INTELLIGENCE

TOP PLACEMENTS IN LAST 4 YEARS



**MR. HRITIK SHARMA
35 LPA**



**MS. KASHITA TALREJA
32.25 LPA**

(PHONE-PE)

TOP PLACEMENTS IN LAST 4 YEARS

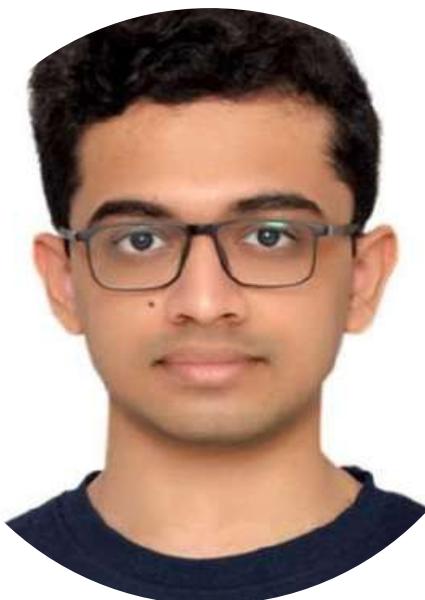
AMAZON INDIA SELECTS- 32 LPA



SHAGUN LAMBA



**POORNARTHA
SAWANT**



ARCHIT SHINDE

TOP PLACEMENTS IN LAST 4 YEARS

AMAZON INDIA SELECTS- 32 LPA



AHMED KHAN



ROHIT UDASI



VANSHIKA MATOO

TOP PLACEMENTS IN LAST 4 YEARS

MYNTRA INDIA SELECTS- 32 LPA



ANUSHKA BHAGCHANDANI



JAHNVI THAKKAR



SAILEE SALGAONKAR

TOP RECRUITERS

AkerSolutions



ICICI Securities

Interactive
Brokers



BillDesk

TATA POWER

VOLTAS

SUGAR
BOX

MAERSK
TANKERS

PerkinElmer

BNP PARIBAS

amazon.in

Deutsche Bank

ORACLE

TOP RECRUITERS

 L&T Financial Services

 • BASF
We create chemistry

 SAMSUNG

 | TATA
CONSULTANCY
SERVICES



 PRAXIS
GLOBAL ALLIANCE

 Deloitte.

 Reliance
RETAIL

 TRILOGY®

 a.
amdocs

 kotak
Kotak Mahindra Bank

 quantiphi

 MAQ
Software

 pwc

 BARCLAYS

TOP RECRUITERS

JPMORGAN CHASE & Co.



Let's Solve



BrowserStack



TATA POWER



TECHNIP
ENERGIES



ACIES



TOP RECRUITERS



TATA ADVANCED SYSTEMS

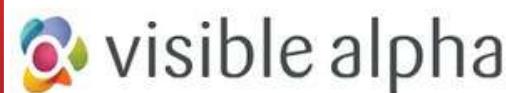


TOP RECRUITERS

SECLOSE



Ganit
data speaks



affinity
An ad tech company.



Myntra



TATA ELXSI



ARTIFICIAL INTELLIGENCE & DATA SCIENCE



SALIENT FEATURES OF THE DEPARTMENT

02

Promoting Participation in Intercollegiate Competitions/Festivals:

01

Faculty Student Ratio: 1:20

03

Early Mover Advantage with 120 Intake Seats:

04

Experienced Faculty with Advanced Degrees:

05

State-of-the-Art Infrastructure:

06

Focus on Nascent Technologies & Hackathons



FACULTY

LAB & INFRASTRUCTURE

INTELLIGENT ROBOTICS PROCESS
AUTOMATION LABORATORY



WEB PROGRAMMING(COMPUTER)
NETWORK LABORATORY

COMPUTER GRAPHICS/DATABASE
TECHNOLOGIES LABORATORY

JAVA/.PYTHON PROGRAMMING AND
DATA STRUCTURE LABORATORY

MINI PROJECT AND
HARDWARE LABORATORY



COMPUTER GRAPHICS & DATABASE TECHNOLOGIES LABORATORY



LAB & INFRASTRUCTURE



PYTHON / JAVA PROGRAMMING LABORATORY



DATA STRUCTURE LABORATORY



LAB & INFRASTRUCTURE



INTELLIGENT ROBOTICS PROCESS AUTOMATION LABORATORY



WEB COMPUTING / COMPUTER NETWORK LABORATORY



ACTIVITIES AT AI&DS DEPARTMENT



ACTIVITIES AT AI&DS DEPARTMENT



♠ ♥ ♦ ♣ DECKED OUT ♠ ♥ ♦ ♣



ACTIVITIES AT AI&DS DEPARTMENT



ACTIVITIES AT AI&DS DEPARTMENT



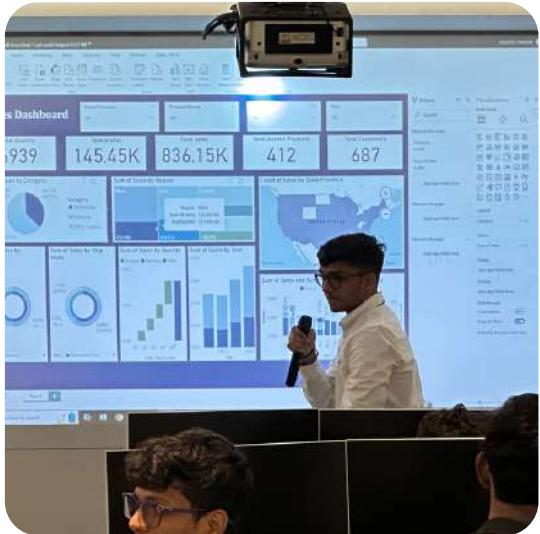
INTERACTIONS WITH INDUSTRY AND ACADEMIC EXPERTS



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



1. Pull Up Your Stocks Competition
 - Position: 1st Place
 - Prize Money: ₹2,500
 - Date: March 2025
 - Team Members: Siddhant Shetty

ACHIEVEMENTS



2. AI App Ideation Challenge (Internal Round at IESMCRC)
 - Position: 2nd Place
 - Date: February 2025
 - Team Members: Siddhant Shetty



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



3. AI Ideation Challenge

- Position: 2nd Place
- Date: September 2024
- Team Members: Siddhant Shetty and team

ACHIEVEMENTS



4. **Minithon2.0** organized by TSEC – 2nd Place – [September, 2024]

5. **IEEE Techithon** organized by Atharva College Of Engineering – 3rd Place – [September, 2024]

6. **HackNiche3.0** organized by DJSCE – 1st Place – [March, 2025]

Team Members: Raj Singh and team



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



7. Codeissance 2024

- Position: 2nd Place
- Date: Oct 2024
- Team Members: Shweta Sidhwani and team

ACHIEVEMENTS



8. Need For Code 3.0 / TSEC Hackathon 2024

- Position: 1st Place
- Date: Aug 2024
- Team Members: Shweta Sidhwani and team



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



9. Augenblick Hackathon

- Position: 1st Place
- Date: March 2025
- Team Members: Nidhi Mhatre, Saachi Kokate

ACHIEVEMENTS



10. Minithon 2.0

- Position: 2nd Place
- Date: Sept 2024
- Team Members: Taha Alotwala and team



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



11. Hack JKLU v4.0 hackathon
 - Position: 1st Place
 - Date: March 2025
 - Team Members: Krishna Mitra, Keerthik Shetty, Eshaa Nayak, Aryav Jain, Melissa Dsilva
(Team: The CodeFather)

ACHIEVEMENTS



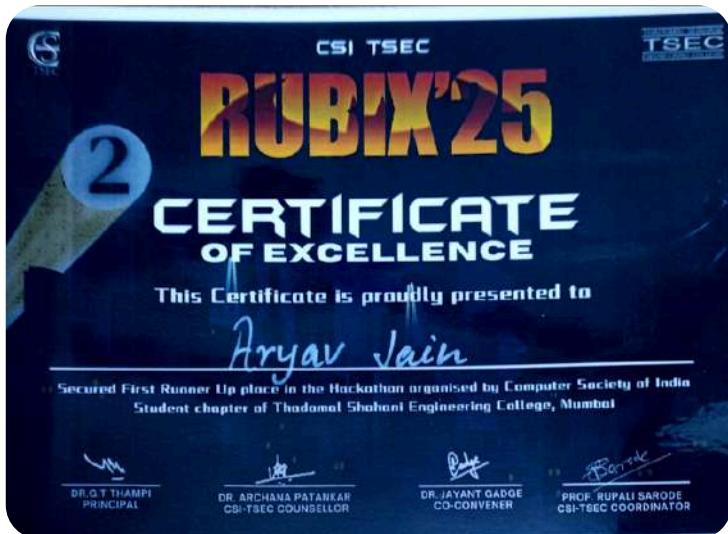
12. VCET Hackathon'24
 - Position: 2nd Place
 - Date: Oct 2024
 - Team Members: Aryav Jain, Prem Bhandugare, Meet Raut



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



13. RUBIX '25

- Position: 2nd Place
- Date: March 2025
- Team Members: Aryav Jain, Prem Bhandugare, Meet Kadam

ACHIEVEMENTS



14. IESMCRC Hackathon 1.0

- Position: 3rd Place
- Date: Sept 2024
- Team Members: Varun Putta and team



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



15. IESMCRC Hackathon 2.0
- Position: 2nd Place
 - Date: Feb 2025
 - Team Members: Varun Putta and team

ACHIEVEMENTS



16. AI Agent Hackathon, RGIT
- Position: 1st Place
 - Date: AY 2024-25
 - Team Members: Varun Putta and team



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



17. Codefolio, SPIT
- Position: 2nd Place
 - Date: March 2025
 - Team Members: Varun Putta

ACHIEVEMENTS



18. Ready Tensor Agentic AI Innovation Challenge 2025
- Outstanding Solution Implementation
 - Date: May 2025
 - Team Members: Akash Jana



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



19. Augenblick Hackathon

- Position: 1st Place
- Date: March 2025
- Team Members: Chetan Borkar, Mustafa Sarangpurwala, Aryan Borkar

ACHIEVEMENTS



20. Jamrang Hackathon, Vijaybhoomi University, Karjat – GenAI Track

- Position: 1st Place
- Date: Feb 2025
- Team Members: Vedant Modhave, Manas Patil, Jatin Gorana, Shravan More



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



21. Codeissance 2024

- Position: 1st Place
- Date: March 2025
- Team Members: Atharva Khewle and team

ACHIEVEMENTS



22. Hackcelestial 1.0

- Position: 3rd Place
- Date: Sept 2024
- Team Members: Atharva Khewle and team



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



23. Gajshield KJSSE Hacks

8.0

- Position: 1st Place
- Date: April 2025
- Team Members:
Mustafa Sarangpurwala
and team

ACHIEVEMENTS



24. Hackniche 3.0

- Position: Winner
Web/App Domain
- Date: March 2025
- Team Members:
Mustafa Sarangpurwala
and team



STUDENT AWARDS & RECOGNITION



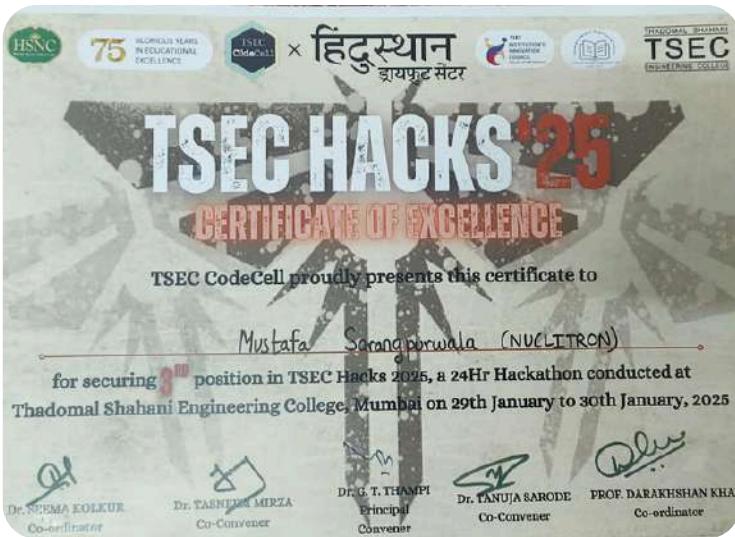
ACHIEVEMENTS



25. Code Odyssey 3.0, KJSIT

- Position: 3rd Place
- Date: Oct 2024
- Team Members:
Mustafa Sarangpurwala
and team

ACHIEVEMENTS



26. TSEC HACKS'25

- Position: 3rd Place
- Date: Jan 2025
- Team Members:
Mustafa Sarangpurwala
and team



STUDENT AWARDS & RECOGNITION



ACHIEVEMENTS



27. Coherence '25, VCET

- Position: 1st Place
- Date: March 2025
- Team Members: Junaid Shaikh and team

ACHIEVEMENTS



28. International Hackathon "Mindfulness Hacks"

- Position: Winner
- Date: Feb 2025
- Team Members: Anish Dharnidhar and team



OFFERED JOB ROLES

Data Scientist | AI Engineer | ML Engineer |
Business Intelligence Developer | AI Data
Analyst | NLP Engineer | Research Scientist |
Big Data Engineer/ Architect | AI Software
Engineers | Computer Vision Engineer |
Data Engineer | Cloud Data Scientist |
Software Engineer | Web & Mobile Developer

STARTUP BY OUR STUDENTS

Company Name: **DHWL Technologies PVT LTD**

Members(Students' Names):

Dhawal Chaudhari

Pragati Jakhotia

Kaustubh Mhatre

Manav Mangela



DHWL
TECHNOLOGIES

One more startup incorporation
(named - Vision X technologies) in process

Goyam Jain

TSEC has been a great contributor to the development of my personality. I have not just established my leadership, management, and collaborative skills but also have been able to advance these skills. Our department conducted various activities every month, which strongly built our skills and collected a lot of achievements. Being the president of the department with the huge support of professors and students let me achieve my milestones. The placement cell provides a lot of training and development to achieve a good job, the 4-year AI&DS degree college opens the door to success and the faculty holds it for us, we enter through the door and achieve the fruit of success.

As the department topper of second-year artificial intelligence and data science, I am grateful for my department's incredible support and guidance. Throughout my academic journey, my professors and peers challenged me to push my boundaries and strive for excellence. Furthermore, my teachers also motivated me to be a part of various committees which helped me get used to an environment of collaboration and gain confidence.

Beyond the Classroom

From Lectures to Labs: AI&DS Unveiled

Fahad Charolia

I am thrilled to write a testimonial for the Department of Artificial Intelligence and Data Science at Thadomal Shahani Engineering College (TSEC) for the exceptional support they provided during my academic journey. Thanks to the rigorous curriculum and practical exposure, I gained a solid foundation in core engineering subjects, such as DSA and DBMS, which helped me secure an internship at Deutsche Bank, one of the most prestigious organizations in the banking industry. Additionally, the Department went above and beyond to help me develop my extracurricular activities. The Department's committee provided numerous opportunities to network and gain valuable experiences

Manjiri Khodke

The Artificial Intelligence and Data Science Department provided me with an opportunity to enhance my skill and enriched my knowledge. The department gave me a platform to showcase my skills by including me in extra-curricular activities like arranging Techfest including workshops on tech and other AI-related games and quizzes, which was indeed a huge success. I have also been able to be the part of department coding committee 'CodeTantra' as a junior committee member and due to this I have established my leadership, time management, and team skills.

Dhruvi Rathod

Yash Tailor

I attribute my success as a topper in the third year semester 5 in Artificial Intelligence and Data Science department to the support, encouragement, and guidance provided by the faculty and staff of the department. The professors in AI & DS department are extremely knowledgeable and passionate about their fields. They create a positive learning environment that encourages students to ask questions, share ideas, and explore new topics. In addition to the faculty, the department offers a range of resources and opportunities to enhance students' learning experiences. I am proud to have been a part of this department, and I am grateful to the department for providing such an outstanding educational experience

The Artificial intelligence and Data Science Department in TSEC is an interesting career path to choose from, having helpful faculty and amazing staff for students who can reach them out for any problems to be solved. With a wide range of research and field projects, the department offers an exciting opportunity for students to explore the world of AI, Machine learning & Data Science.

Meet Khatri

The department is very good with great teachers, and every teacher gives individual attention to the children to clear their doubts.

Beyond the Classroom

From Lectures to Labs: AI&DS Unveiled

Manav Mangela

Ishika Manghwani

The AI&DS department has provided me with a number of opportunities to grow and explore my skills. I have always found a positive and healthy environment and the faculty members are highly supportive. Most of my doubts were cleared after the lecture got over.

The AI&DS department is one of the latest departments in TSEC, despite this, it has proven to be one of the best. All the labs which come within the department are well maintained with all equipment's working properly. The complete staff that is all the teachers and the support staff is incredibly cooperative and interactive. The syllabus was completed in time with in-depth, interactive, and practical explanations for each topic.

Varun Chavan

The faculties here in the AI&DS department are good. They teach every concept very well and in detailed explanation is been given. The department faculties encourage you to participate in extra activities. They organize events such as Tech fests consisting of workshops and many more activities related to the AI and Machine Learning.

The Artificial Intelligence and Data Science department has helped me excel in my academic and professional pursuits. The department faculty has been instrumental in providing me with a strong foundation in technical concepts, which has helped me become a topper in my class. The teachers are highly knowledgeable and go above and beyond to ensure that students receive the best education and support. Apart from academics, the department has provided me with several opportunities to showcase my skills and compete in hackathons. I'm proud to say that I've won several of these competitions, and I owe much of my success to the training and support provided by my department. Through the college placement cell, I secured an internship at JP Morgan Chase & Co., a leading multinational investment bank and financial services company. My department played a crucial role in preparing me for the internship by providing me with the necessary technical skills and professional guidance. This opportunity has been a game-changer for me, and it wouldn't have been possible without the support of my department. In conclusion, I am extremely grateful for the education and opportunities provided by the Artificial Intelligence and Data Science department at TSEC. Their dedication to their students' success is unparalleled, and I feel privileged to be a student of this outstanding department.

Beyond the Classroom

From Lectures to Labs: AI&DS Unveiled

Vedant Kadam

As a student of AI & DS engineering, I have been amazed by the depth and breadth of knowledge that I have gained through this 4-year AI&DS program. From machine learning and deep learning to natural language processing and computer network, the program has equipped me with the tools and techniques needed to tackle some of the most complex challenges facing our society today. In addition to technical skills, the program has also helped me improve my soft skills, particularly in the areas of presentation and communication. Through various assignments, group projects, and presentations, I have had the opportunity to hone my ability to articulate complex concepts clearly and concisely. I have also learned how to effectively collaborate with my peers, manage my time, and handle feedback and criticism. Overall, I can confidently say that my AI & DS engineering program has helped me become a more well-rounded, confident, and capable professional. I am excited to continue exploring the frontiers of AI and DS, and I know that the skills I have gained through this program will serve me well in my future endeavors

Tanvi Mehta

AI&DS department of TSEC consists of helpful teachers whose main aim is to impart knowledge to the students in an easy and understandable way.

Vrinda Bundelkhandi

TSEC- is a place where you can find an amalgamation of learning, fun, culture, literature, and many life preaching activities with utmost support from our department HOD, lecturers as well as Principal sir. Students experience academic excellence with world-class infrastructure, excellent faculty is exceptional and teaching methodologies backed by practical skills and professional interface have given me the confidence to pursue my career ahead. The department encouraged students to explore and experiment, which allowed each student to find his/her niche of interest. The AI&DS course brought clarity of thought, knowledge, confidence, courage, and conviction to me and my goals in the era of the information and technological world. The department provides a great opportunity to increase students' knowledge beyond their field of studies through a competitive multicultural environment. The friendly temperament of the professors and their readiness to always offer assistance has made me feel like a family. Their words, teachings, and incredible support augmented my values in my life.

Beyond the Classroom

From Lectures to Labs: **AI&DS** Unveiled

Mrinmai Kadu

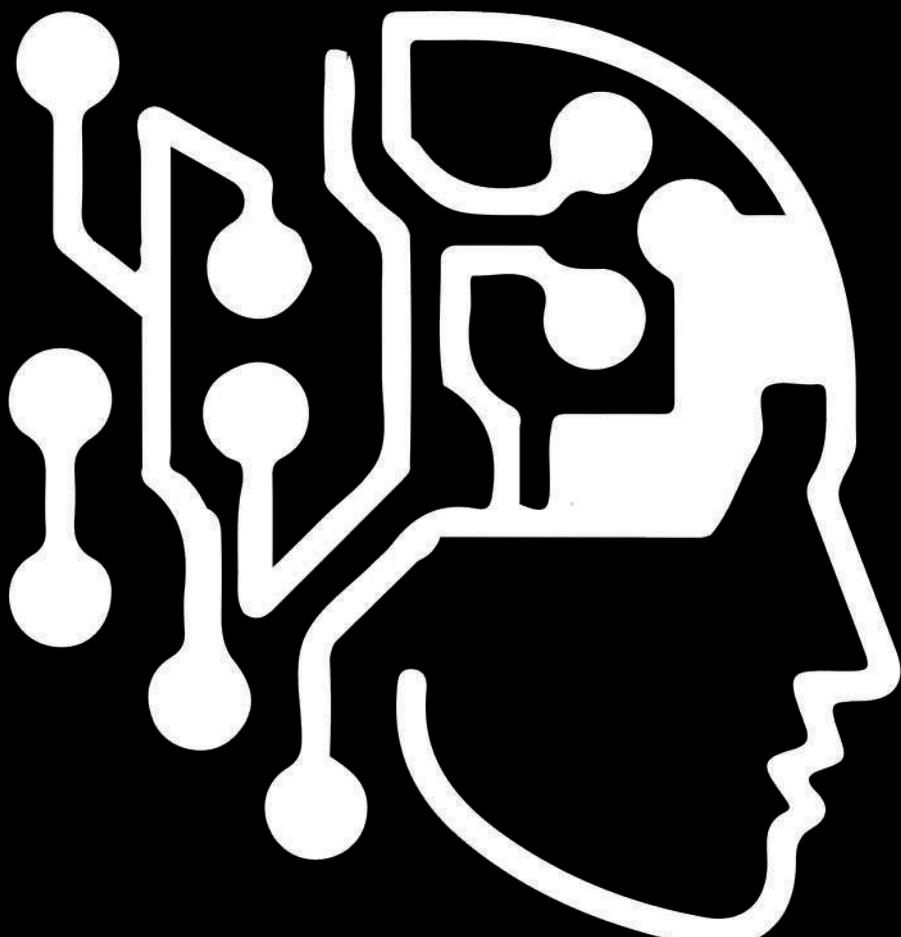
As a student in the Artificial Intelligence and Data Science department, I have had an exceptional learning experience. The professors in our department are experts in their respective fields, and their teaching style is highly engaging and thought-provoking. I never have to worry about my doubts as teachers are always available to offer guidance and support helping me achieve academic excellence. The facilities and resources provided by the College are top-notch. The labs are equipped with the latest software and hardware, allowing us to work on projects and gain practical experience in various areas through the means of Mini Projects. The unique thing I found in the department is how the strong network of industry partners provides us with valuable guidance in different fields including but not limited to cybersecurity, early start with ML, etc through weekly sessions. The department has not only helped me to develop my skills and knowledge but also provides me with many opportunities to grow overall.

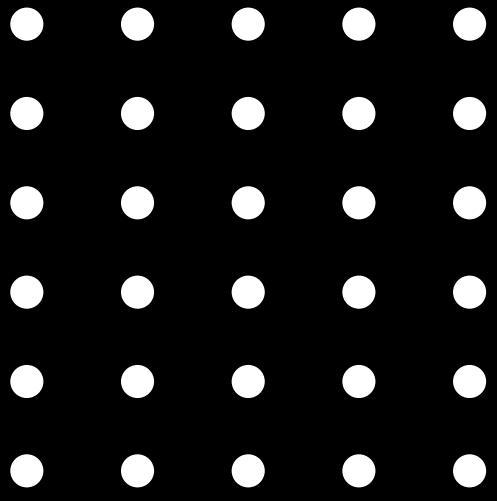
Dipesh Todi

AI&DS Department - TSEC helps us to understand and shape our actions in order to achieve our goals. The faculty is very helpful and guide us in every possible manner. The experience and expertise of the teaching faculty is a cherry on the cake for all the students.

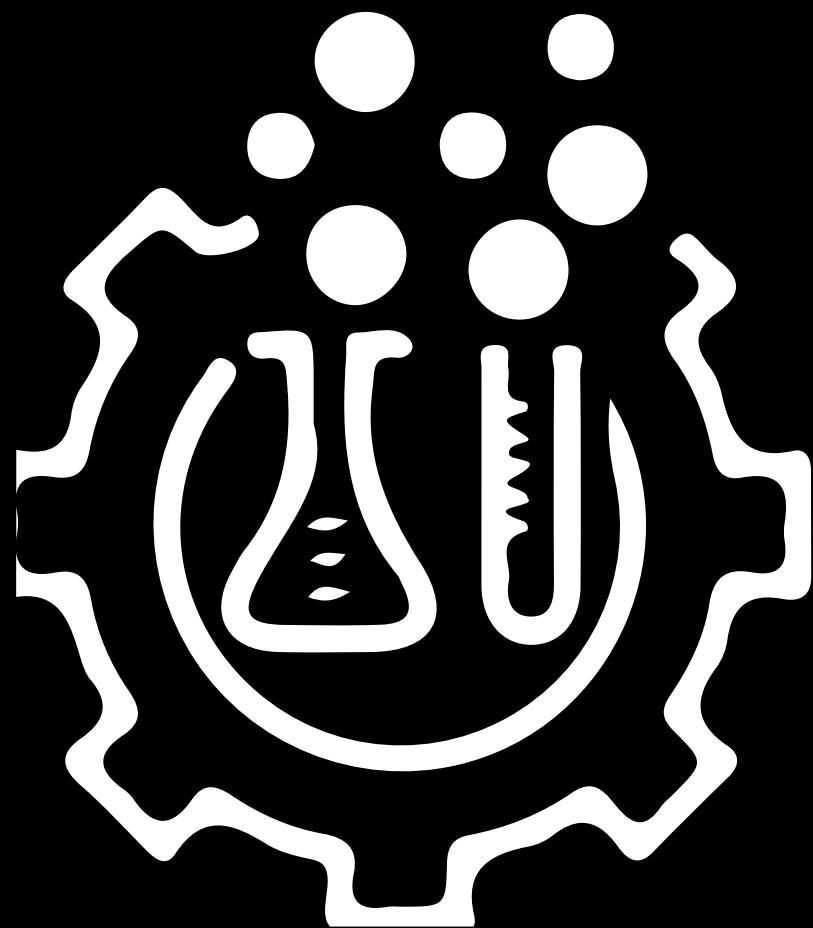
COMMITTEE AT THE DEPARTMENT

CODETANTRA





CHEMICAL ENGINEERING



SALIENT FEATURES OF THE DEPARTMENT

02

Most sought, after ICT for chemical engineering

01

NBA Accredited

04

Unique Internship, Certification courses

03

Regular Interaction with Alumni and Industries through Seminars, Webinars, Workshops,

06

Well-equipped laboratories and modern classrooms to facilitate hands-on learning and research.

07

Holistic Student Development

08

Strong Alumni Network providing mentorship, career opportunities, and industry insights.

09

Specialised certificate courses aligned with evolving industry trends & technological advancements.

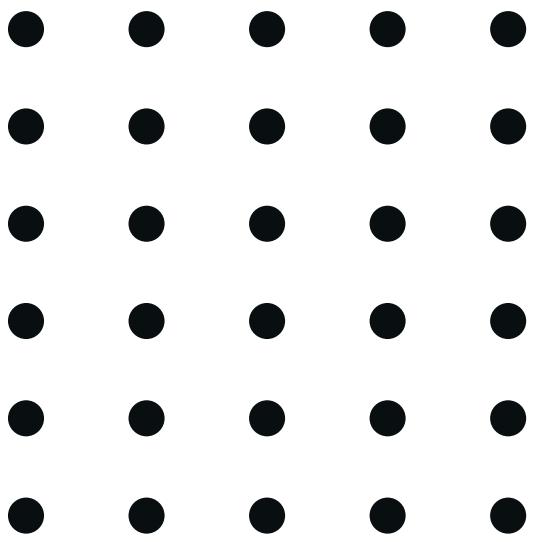
10

hands-on experience through internships at prestigious institutions such as IIT, BARC-BRIT, NFC, other government organisations, along with leading industries like Dow, Thyssenkrupp, NPCC, and more



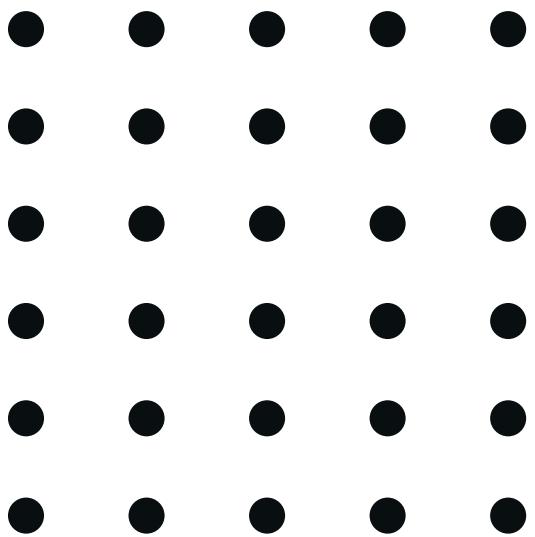
FACULTY

INDUSTRIAL VISIT



**ADANI THERMAL
POWER STATION**

INDUSTRIAL VISIT



**GVS CIBATECH
PVT LTD**

STUDENT OUTREACH EXPO



NSE COMPLEX
GOREGAON

LAB & INFRASTRUCTURE

CHEMICAL REACTION
ENGINEERING LAB (CRE)



MASS TRANSFER OPERATION
LAB (MTO)

PROCESS DYNAMICS & CONTROL
LAB, FLUID FLOW OPERATIONS

SOLID FLUID MECHANICAL
OPERATION & CHEMICAL TECHNOLOGY

BASIC CHEMICAL ENGINEERING &
COMPUTER LAB



CHEMICAL REACTION ENGINEERING
LAB (CRE)



LAB & INFRASTRUCTURE

CHEMICAL TECHNOLOGY LAB (CT)



MASS TRANSFER OPERATIONS LAB (MTO)



SOLID FLUID MECHANICAL OPERATION LAB (SFMO)



PROCESS DYNAMICS & CONTROL LAB (PDC)



FLUID FLOW OPERATIONS LAB (FFO)



BASIC CHEMICAL ENGINEERING LAB (BCE)



COMPUTER LABORATORY



HEAT TRANSFER OPERATIONS LAB (HTO)



INTERACTIONS WITH INDUSTRY AND ACADEMIC EXPERTS

Process Engineering Lecture Series
Session 3: Overview of Heat Exchangers
MR. PRATIK BHAGAT
TSEC 2011 ALUMNI

27TH JAN 2025
10:00 A.M - 12:00 P.M

Convener : Dr. G.T. Thampi Principal
Co-Convenor : Dr. Nita Mehta HoD (Chem)
Co-ordinator: Prof. Prasad Parulekar

Process Engineering Lecture Series
Session 2 : Overview of Process Engineering and Project Execution
MR. VINAY PARAB
TSEC 2003 ALUMNI

9TH OCT 2024
7:00 PM - 8:00 PM
Platform: MS TEAMS

Convener : Dr G.T. Thampi Principal
Co-Convenor : Dr Nita Mehta HoD (Chem)
Co-ordinator: Prof. Prasad Parulekar

Process Engineering Lecture Series
Session 1: Overview of Utility Systems
MR. SUSHIL I. KHITANI
Industry Expert
TSEC 2004 ALUMNI

27TH SEPT 2024
10:00 AM ONWARDS
Venue: Room No. 309 - OB

Convener : Dr G.T. Thampi Principal
Co-Convenor : Dr Nita Mehta HoD (Chem)
Co-ordinator: Prof. Prasad Parulekar

TSEC EXPERT LECTURE SERIES 2024-25: SESSION 1
CAREERS IN CONSULTING
MR. CHARANJEET AILSINGHANI
CEO & FOUNDER
GLOBAL MARKET INSIGHTS
ALUMNI - BATCH 2007

2ND AUGUST 2024
2:00P.M - 3:00P.M
Venue: OB Seminar Hall

Convener : Dr. G.T. Thampi Principal
Co-Convenor : Dr. Nita Mehta HoD (Chem)
Co-ordinator: Prof. Ravindra Joshi

SCILAB FOR CHEMICAL ENGINEERS
Online Certification Course
MR. ADITYA GANESH
Joint Ph.D. student
IITB-Monash Research Academy

1ST FEB 2025
2:30P.M - 6:30P.M
Duration: 5 weeks; Sat-Sun

Convener : Dr. G.T. Thampi Principal
Co-Convenor : Dr. Nita Mehta HoD (Chem)
Co-ordinator: Prof. Ravindra Joshi

RESEARCH METHODOLOGY
Online Certification Course
MR. GOUTAM NARAYAN
(PMRF), IIT BOMBAY

16TH DEC 2024 - 6TH JAN 2025
2:00P.M - 5:00P.M
DURATION: 30 HOURS

Convener : Dr. G.T. Thampi Principal
Co-Convenor : Dr. Nita Mehta HoD (Chem)
Co-ordinator: Prof. Ravindra Joshi

STUDENT AWARDS & RECOGNITION



N.R.KAMATH CHEMICAL QUIZ RUNNER UP



TSEC PROJECT EXPO

STUDENT AWARDS & RECOGNITION



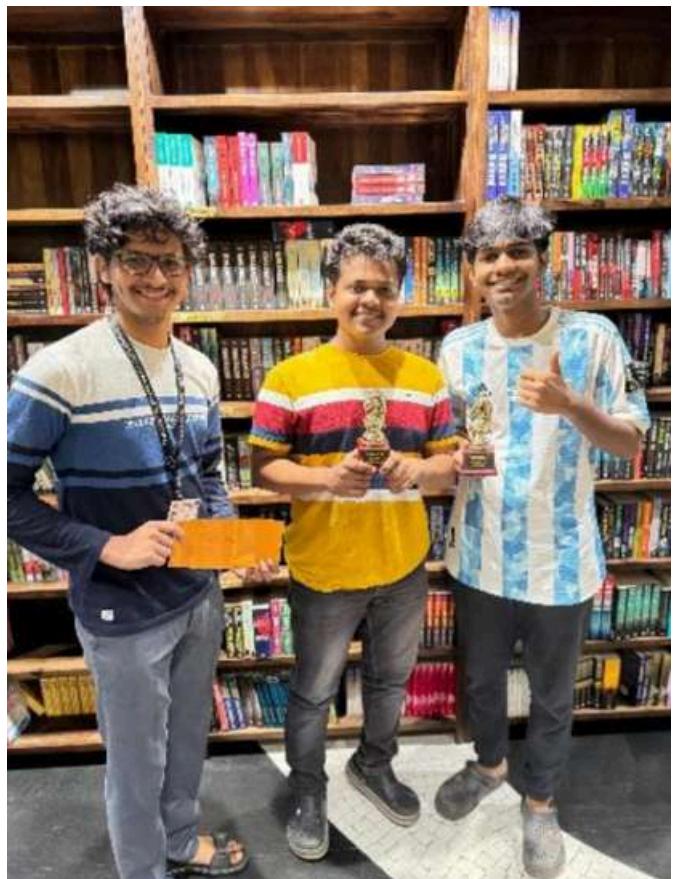
Quiz Competition @ Bhartiya Vidyapeeth,



Poster competition @ MIT, Pune

STUDENT AWARDS & RECOGNITION

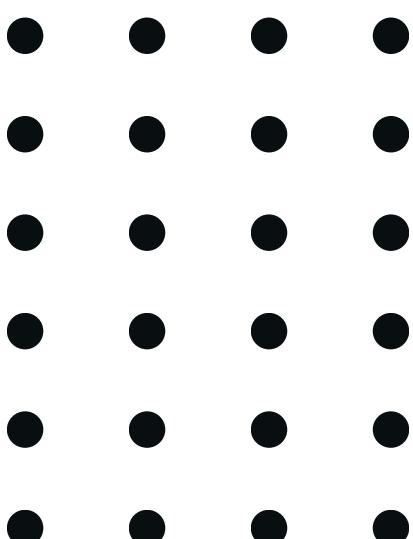
Sports prize winners



ACTIVITIES AT CHEMICAL DEPARTMENT



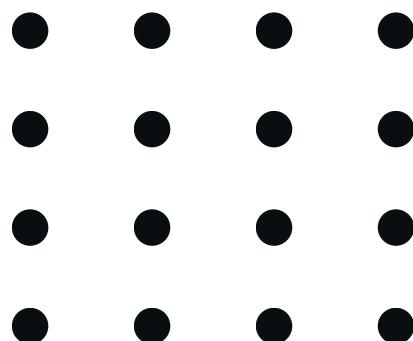
CheMystery



ACTIVITIES AT CHEMICAL DEPARTMENT



Prestigious N R
Kamath Quiz,
CHEQ 2025



ALUMNI TESTIMONIAL

"TSEC Chemical Engineering Department have a proactive faculty owing to the institution's Vision and Mission, which is aligned to develop students with the ongoing industry via interaction opportunities with industrial professionals (e.g. quiz, external evaluations, etc).

Not only are the students encouraged to develop academically during their coursework, but also, they are encouraged to improvise on their skills to communicate ideas and work towards solutions effectively."

“

Karthik Sathanur

Current Company: NPCC
Engineering Pvt. Ltd.

Designation: Process Safety
Engineer



ALUMNI TESTIMONIAL

Pursuing my degree in Chemical Engineering at Thadomal Shahani Engineering College was a defining chapter in my academic and professional journey. The program offered a robust curriculum, which was supported by a dedicated faculty who were always willing to guide and mentor us beyond the classroom. The department not only gave me a strong technical foundation but also encouraged me to think critically and explore beyond the textbook. My time at TSEC not only shaped my technical skills but also instilled a sense of discipline, teamwork, and resilience. I am proud to be an alumnus of an institution that laid such a strong foundation for my career. Today, as I navigate my professional journey, I carry the confidence and clarity that TSEC helped me build. I thank the faculty and the Chemical Engineering Department for being an integral part of my journey.

“

Bhargavi Lokapur

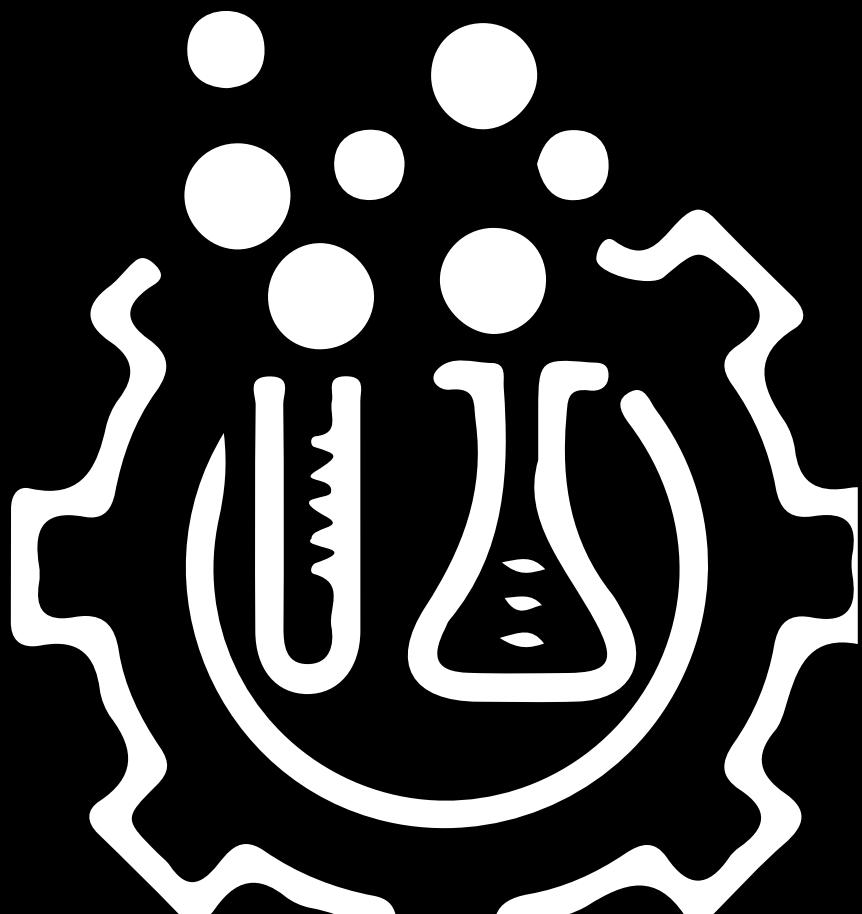
B.E. Chemical Engineering,
Class of 2022

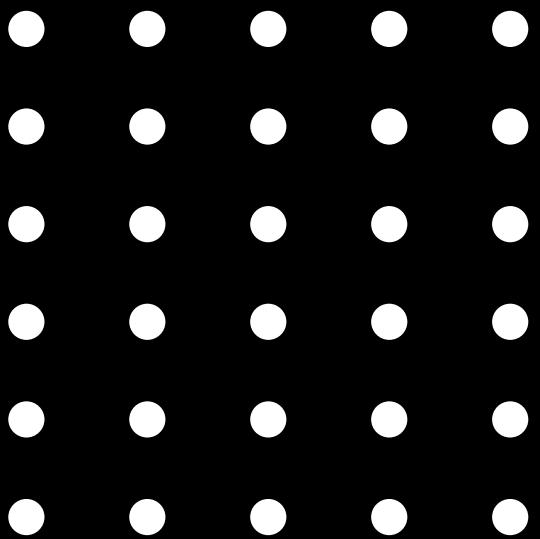
Process Engineer, Technip
Energies



COMMITTEE AT THE DEPARTMENT

IIChE





COMPUTER ENGINEERING



SALIENT FEATURES OF THE DEPARTMENT

02

Highest Salary is 1 crore 17 lakhs

01

Permanent Affiliation by University of Mumbai, NBA Accredited

03

Faculty with an average experience of 15+ years. More than 41% faculties with PhD. Degree; 41% pursuing

04

Promote participation in intercollegiate competitions/festivals
Centers of excellence

05

Ph.D. program with an enrolment capacity of 20

06

High ranking multiple times by various print media, Excellent social outreach programs



FACULTY

LAB & INFRASTRUCTURE

MODERNIZATION OF MACHINE LEARNING LABORATORY



DATA STRUCTURES AND ALGORITHMS LABORATORY



ADVANCED DATABASE LABORATORY



LAB & INFRASTRUCTURE

**SOFTWARE ENGINEERING
LABORATORY**



**ARTIFICIAL INTELLIGENCE AND
SOFT COMPUTING LABORATORY**



**COMPUTING AND SECURITY
LABORATORY**



LAB & INFRASTRUCTURE

HARDWARE LABORATORY



MICROPROCESSOR & COMPUTER ARCHITECTURE LABORATORY

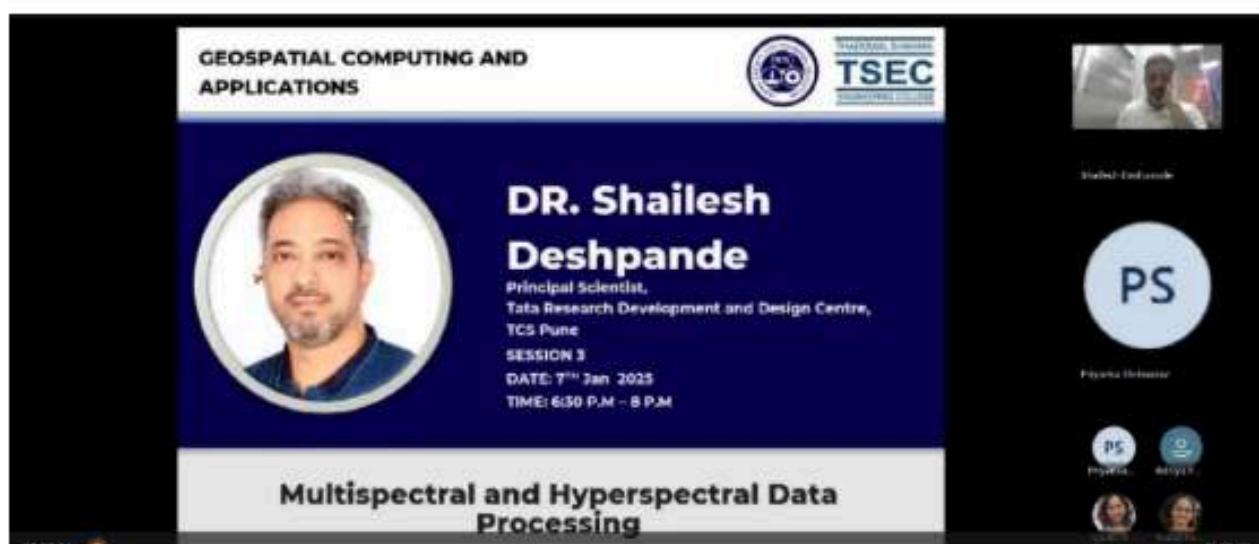
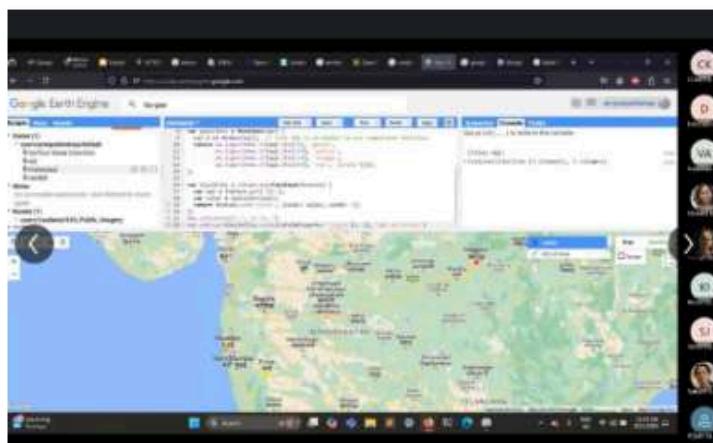
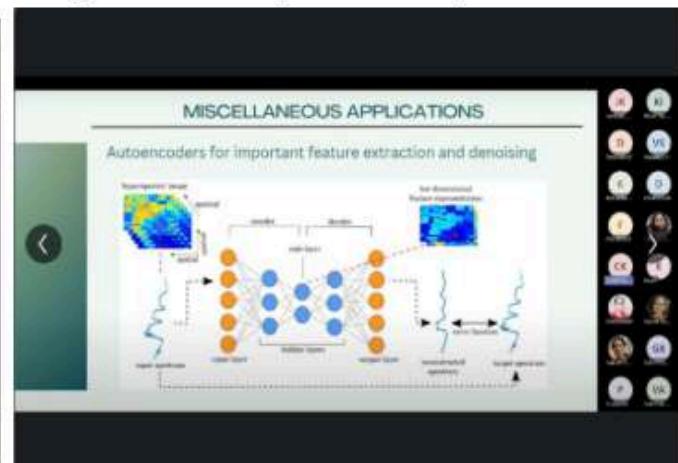
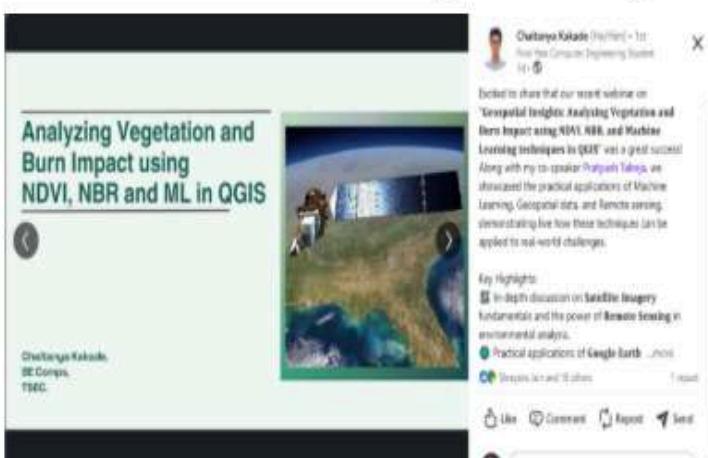


CLOUD COMPUTING AND OPEN SOURCE LABORATORY



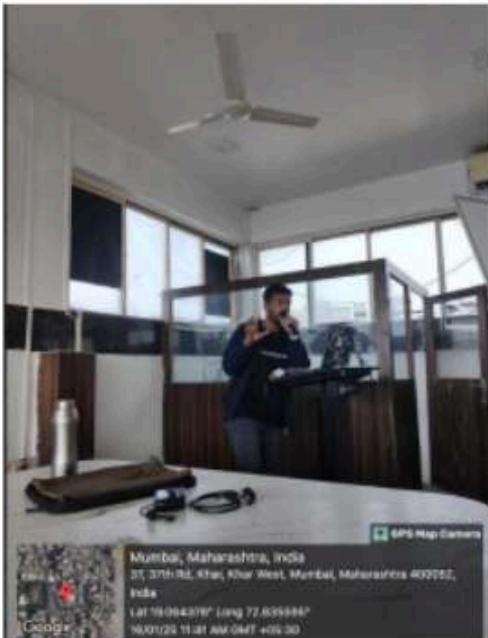
INTERACTIONS WITH INDUSTRY AND ACADEMIC EXPERTS

The Role of Google Earth Engine and QGIS in Geospatial Analysis



INTERACTIONS WITH INDUSTRY AND ACADEMIC EXPERTS

API Fundamentals using POSTMAN



ACTIVITIES AT COMPUTER DEPARTMENT



API 101 API Fundamentals using Postman

16th Jan, Thursday

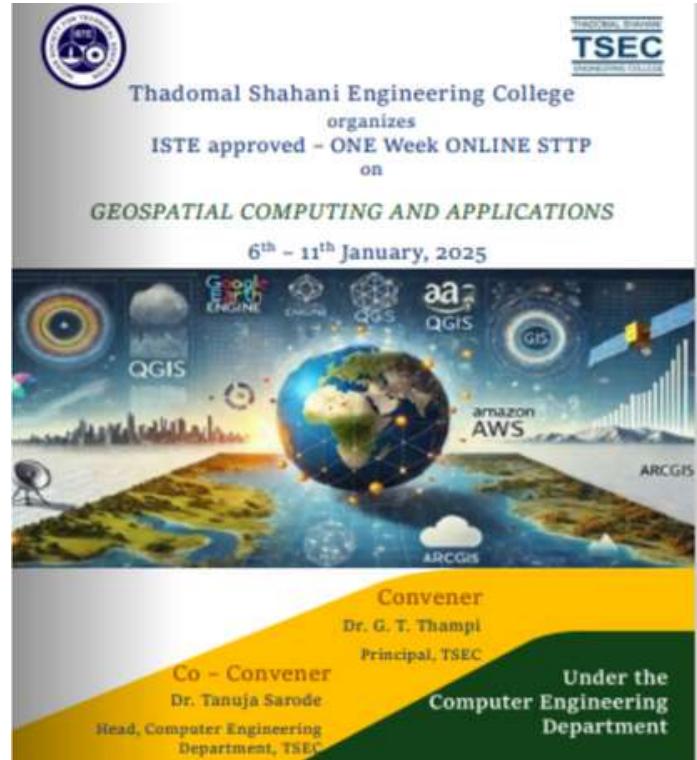
Seminar Hall, NB

11:00 am

Speaker:
Anas Khan
Frontend Engineer - PSL at postman

Register Now !

TSEC CodeCell x POSTMAN



Thadomal Shahani Engineering College organizes ISTE approved – ONE Week ONLINE STTP on **GEOSPATIAL COMPUTING AND APPLICATIONS** 6th – 11th January, 2025

Convener Dr. G. T. Thampi Principal, TSEC

Co – Convener Dr. Tanuja Sarode Head, Computer Engineering Department, TSEC

Under the Computer Engineering Department



COMPUTER ENGINEERING DEPARTMENT CALLING ALL INQUISITIVE ENGINEERS INTERESTED IN SPACE AND GEOSPATIAL TECHNOLOGIES

QGIS

Have you heard about

- ISRO
- Chandrayaan

If interested fill the form:

OUTCOMES

- ✓ Analyze Satellite Imagery
- ✓ Geospatial Data Insights
- ✓ Integrate GEE & QGIS
- ✓ Solve Real-World Problems

Apply Now

A Hands-On Workshop with Google Earth Engine and QGIS

PRESENTED BY AN EXPERT SPEAKER FROM IIT

Date: 21st September, 2024



TSEC 75 GLORIOUS YEARS IN EDUCATIONAL EXCELLENCE presents

TSEC HACKS 25 24 hours offline hackathon

Team 2-4 Members

Fee Free!

Date 29-30th Jan 2025

CONVENER Principal - Dr. G.T.Thampi

CO-ORDINATOR Prof. Darakhshan Khan

CO-CONVENER Dr. Tasneem Mirza

CO-CONVENER Dr. Tanuja Sarode

CO-ORDINATOR Dr. Seema Kolkur

Zeeshan: +91 98873 19647 tseccodecell Pooja: +91 98202 42949

ACTIVITIES AT COMPUTER DEPARTMENT



TSEC HACKS 25



STUDENT AWARDS & RECOGNITION

Category	No. of Students	Achievements
Intercollege Hackathons	4 students	1 st Place
	1 team (4 students)	1 st Place
	1 team (3 students)	1 st Place
	1 team (4 students)	1 st Place
	1 team (4 students)	1 st Place
	1 team (3 students)	1 st Place
	1 team (4 students)	1 st Place
Intercollege Football Tournament	6 student	1 st Place
Intercollege Cricket Tournament	7 student	1 st Place

Winner's of Smart India Hackathon 2024 at nodal centre Komarapalayam, Tamil Nadu

Team Members:

Pooja Gawade
Jitesh Gogia
Shruti Ghagare
Dhrumil Tandel
Pranav Patil



STUDENT AWARDS & RECOGNITION

Joint winner for Smart India Hackathon 2024- At Nodal centre Ludhiana

Team Name: Access Denied

Team Members :

Shreyans Jain
Varun Jajoo
Ritojnan Mukherjee
Siddhima De
Anish Awasthi
Mayuresh Chavan



Flipkart GRiD 6.0, National level hackathon in Bangalore

Position: Second

Om Avhad



Winner's at ACE 1.0 Hackathon at NMIMS MPSTME

Position: First

Kavya Chetwani, Karan Choudhary, Jivansh Chawla, Arnav Das



STUDENT AWARDS & RECOGNITION

TSEC HACKS 2025 WINNERS

First Position

Hypertext Assassins:

1. Fahed Khan - TSEC TE COMPS
2. Sushmit Sanyal - TSEC TE COMPS
3. Chinmay Tullu - TSEC TE COMPS
4. Tanmay Sarode - TSEC TE COMPS

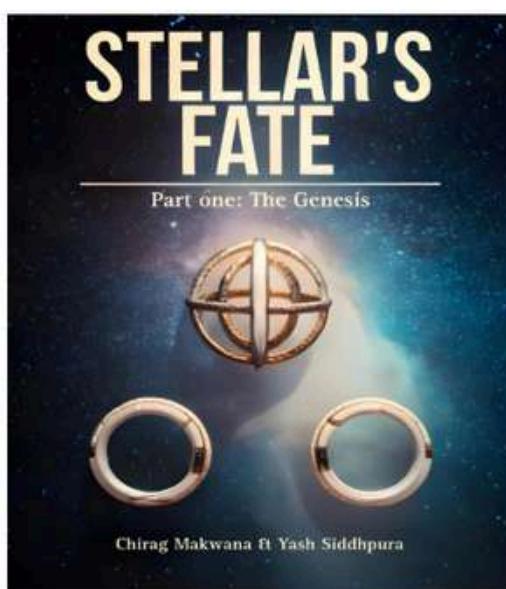
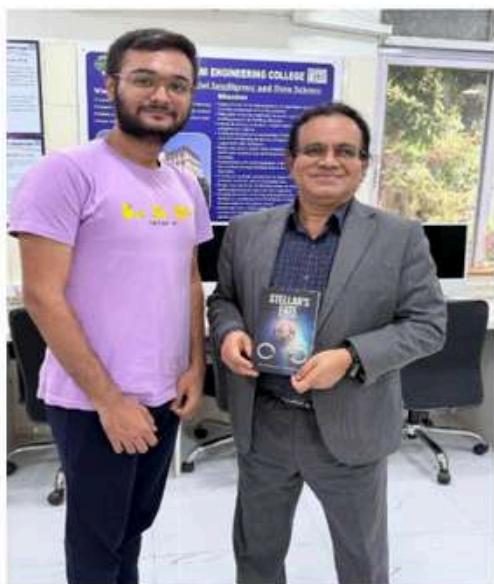
Winner at the National Level Hackathon – Quasar 3.0

Kavya Chetwani
Karan Choudhary
Jivansh Chawla



Novel

Stellar's Fate: Part 1 The Genesis



INTERNSHIP

Name of the Company	Stipend Offered
JP Morgan & Chase, Mumbai	1.5 Lakhs
Microsoft India (R&D) Pvt. Ltd	1.25 L/month
Deutsche Bank	1.47 Lakhs
Barclays	75K/month
Altonexus Info technologies, Mumbai	44K

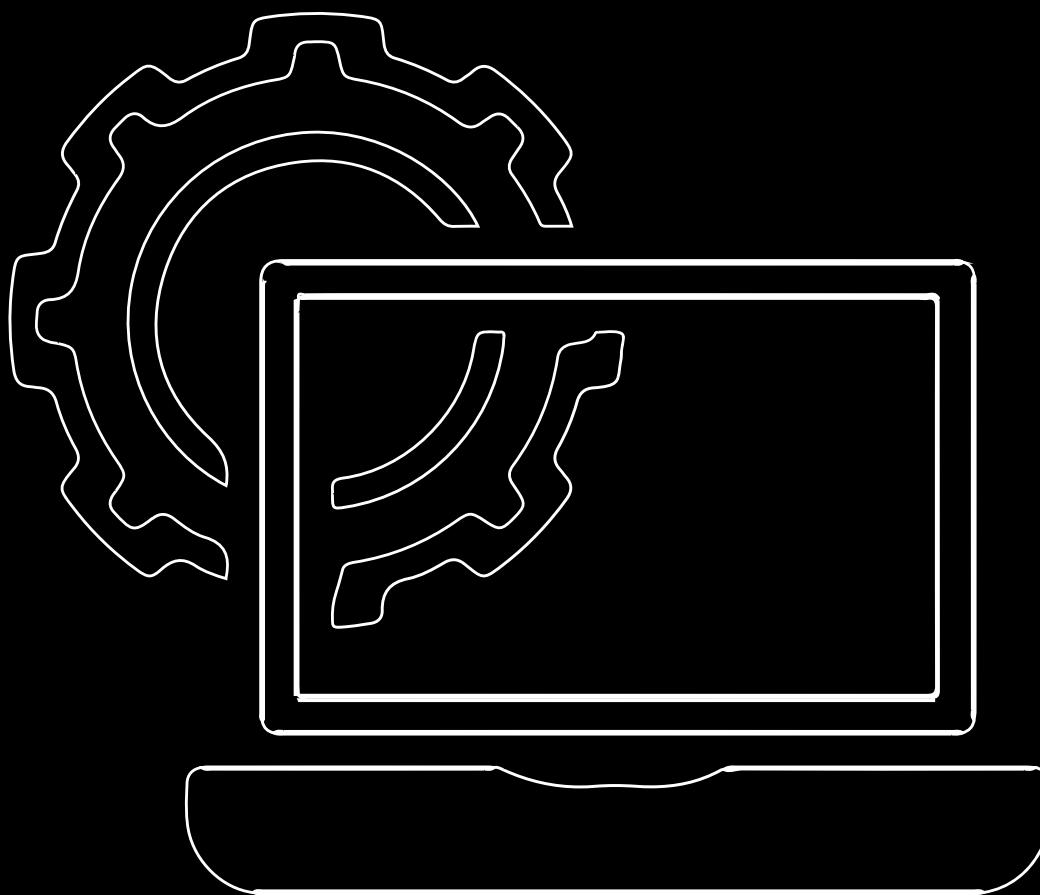
PLACEMENTS

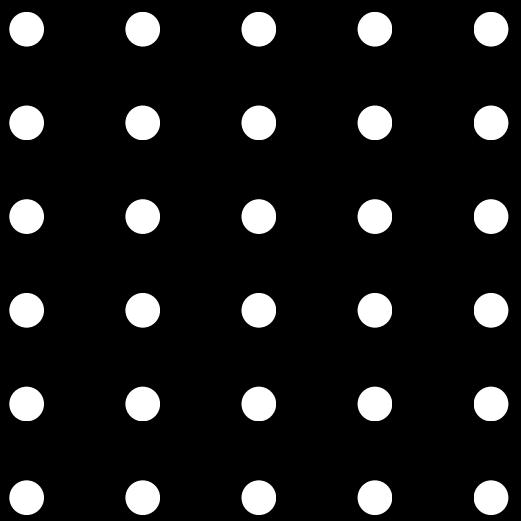
Some of the Good Placements

Name of the Company	No. of Students Placed	Package Offered
Deutsche Bank	13	20.20
Oracle	11	19.18
JP Morgan & Chase	3	19.75
Dolat Capital	1	17
Seclore	2	13
ICICI Lombard	6	8.29
Deloitte USI	14	7.6
Deloitte India	22	7.6

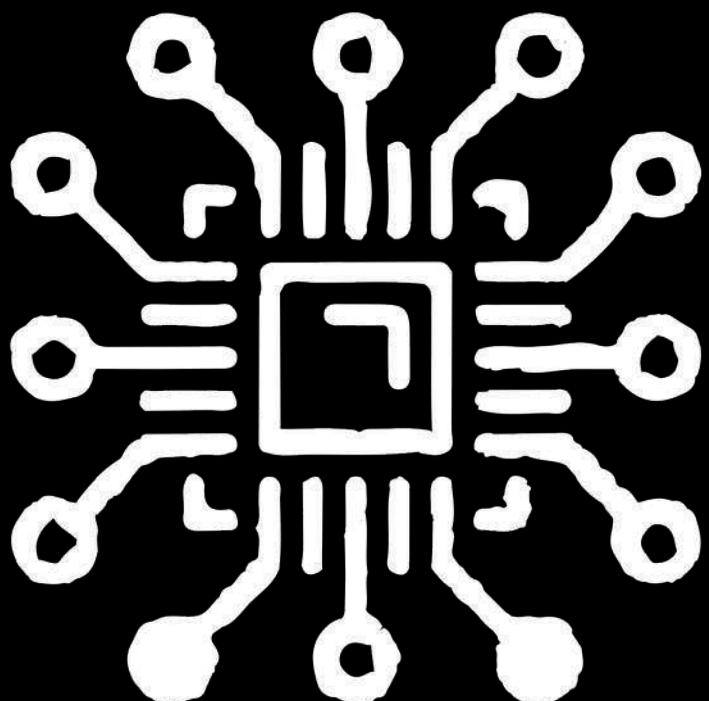
COMMITTEE AT THE DEPARTMENT

CODECELL





ELECTRONICS & TELECOMMUNICATION ENGINEERING



SALIENT FEATURES OF THE DEPARTMENT

02

IOT and machine learning certificate courses to in house/outhouse students.

01

Strong research potential with proven records of having good quality research and patent

03

Spacious laboratories with the equipment reflecting the state of the art technology with a dedicated PCB fabrication lab.

04

Collaboration with IIRS-ISRO for short term training programs

05

The open elective system gives handful of choices to students to develop expertise.

06

Many Entrepreneurs working in the Block chain , Web Design and various other s/w fields.



FACULTY

INDUSTRIAL VISIT

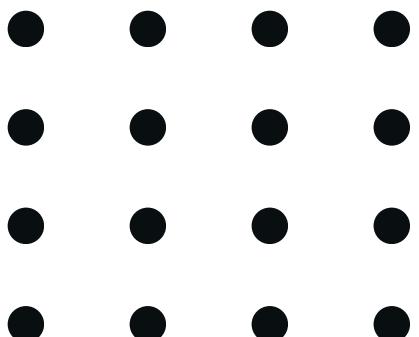


**ADANI THERMAL
POWER STATION**

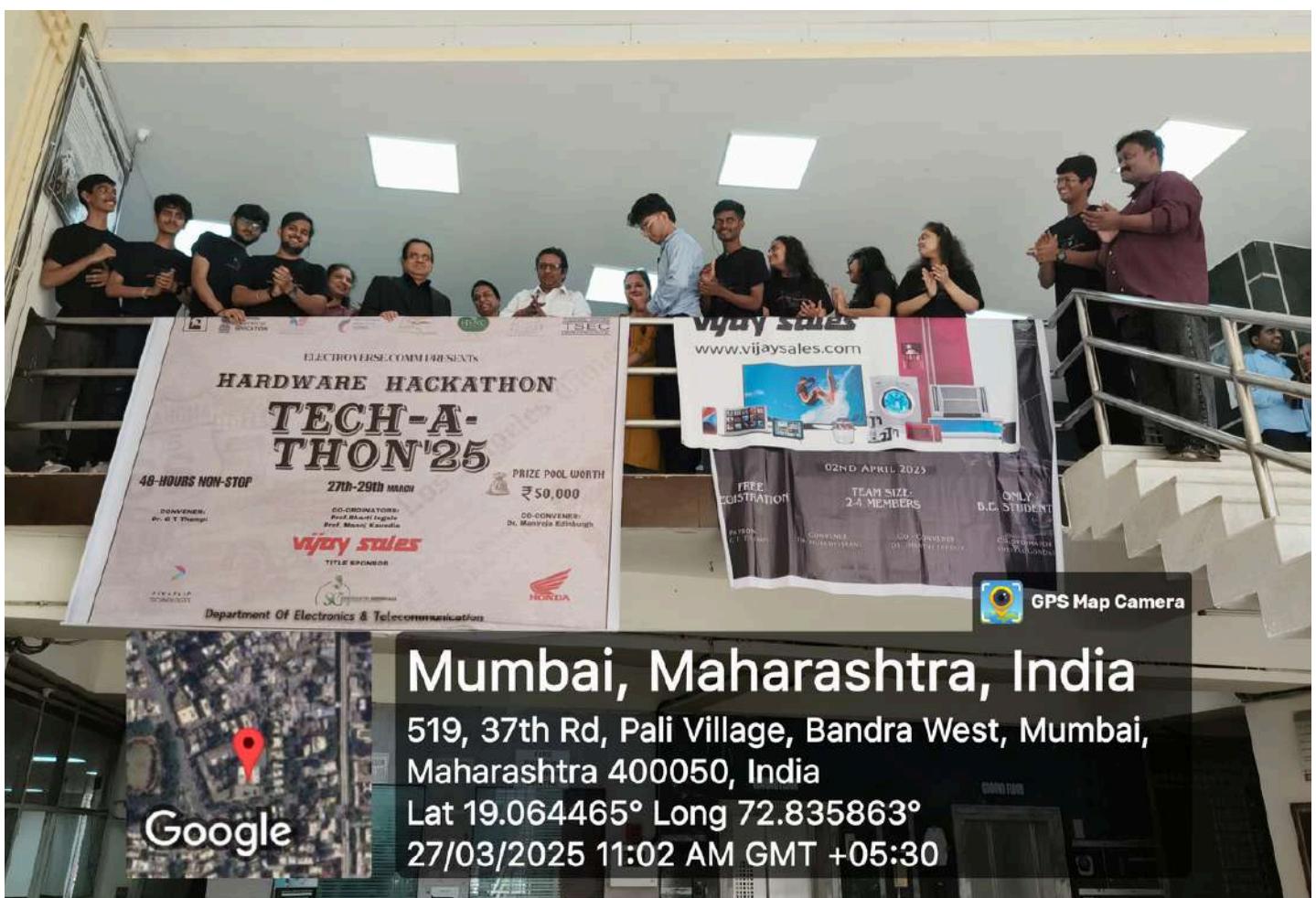
INTERACTIONS WITH INDUSTRY AND ACADEMIC EXPERTS



STUDENT AWARDS & RECOGNITION

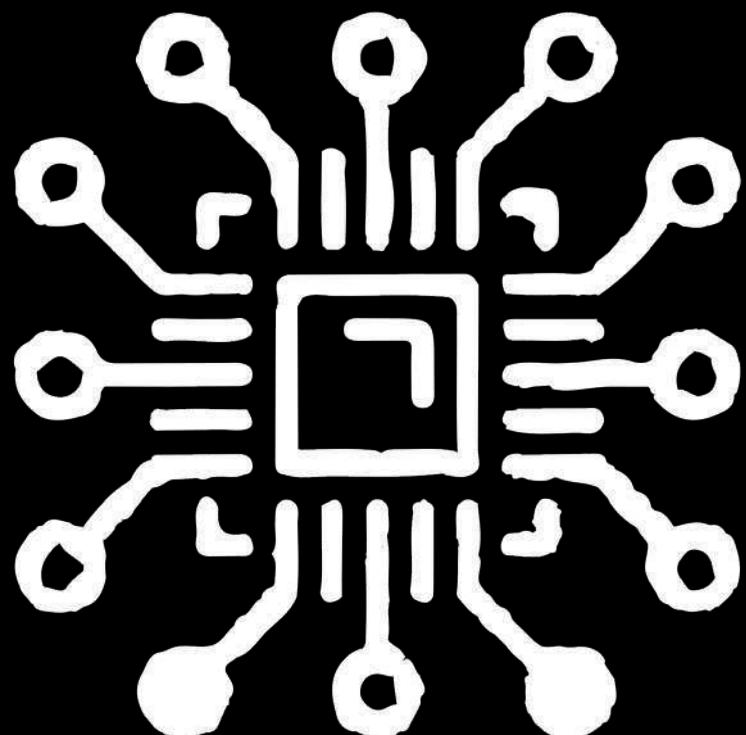


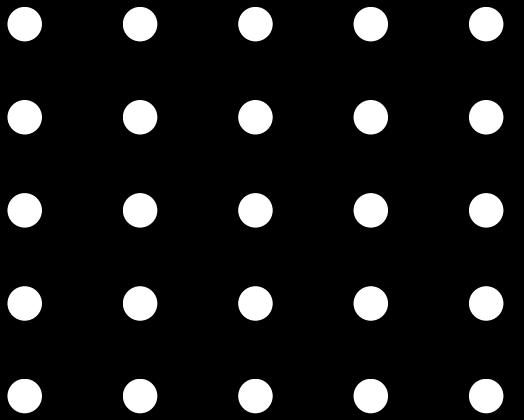
ACTIVITIES AT EXTC DEPARTMENT



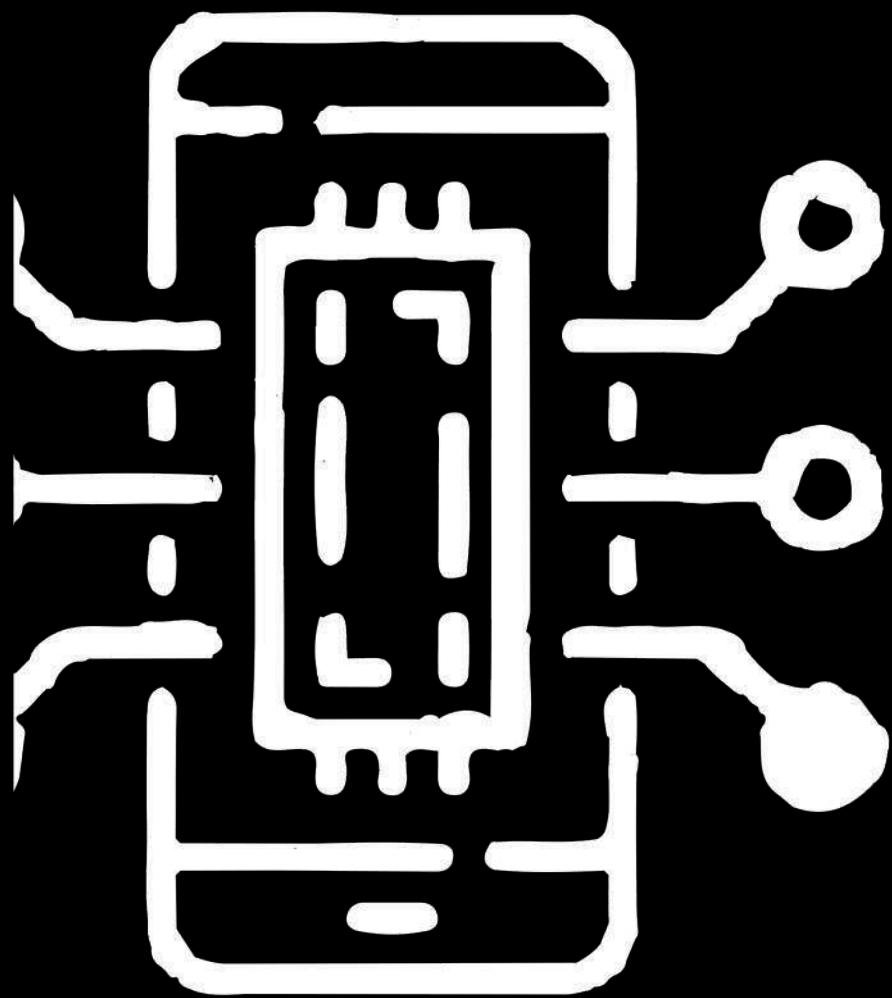
COMMITTEE AT THE DEPARTMENT

ELECTROVERSE





INFORMATION TECHNOLOGY



SALIENT FEATURES OF THE DEPARTMENT

01

Department of IT was started in 1998 to provide IT manpower to the ever growing demand for IT engineering

02

Intake doubled for 60 to 120 and PHD programme with intake of 20

03

NBA accreditation and currently in the fourth cycle

04

20 teaching staff, 10 are PHD and 6 are currently pursuing

05

Organizes project competitions for second and third year

06

Teachers play active role in university syllabus formation



FACULTY

INTERACTIONS WITH INDUSTRY AND ACADEMIC EXPERTS



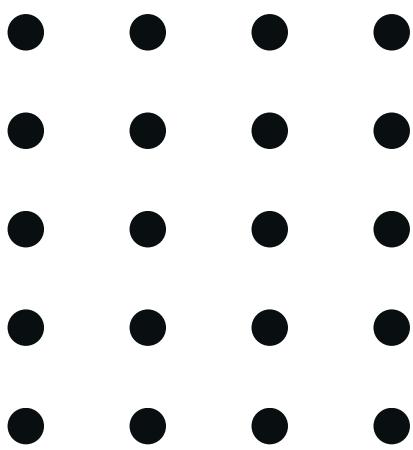
Guest lecture and industry expert interaction in DMBI



STUDENT AWARDS & RECOGNITION



HACKATHON WINNERS



ACTIVITIES AT DEPARTMENT OF I.T



ACTIVITIES AT DEPARTMENT OF I.T

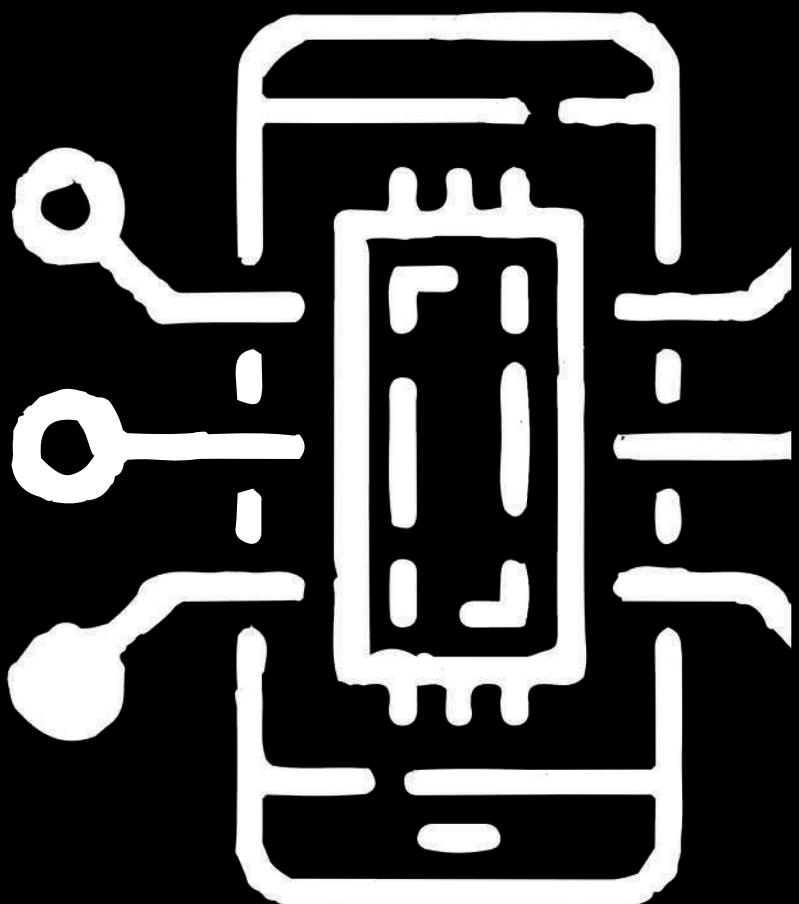


ACTIVITIES AT DEPARTMENT OF I.T



COMMITTEE AT THE DEPARTMENT

CODESTORM



ALUMNI SPEAKS



Vinay Israni

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

Rajeev Butani

Rajeev is based in the Bay area and is the Chief Executive Officer at Headspin. Prior to Headspin, he was a Senior Managing Director and Group Technology Officer for Accenture Communications Media and Technology Business. He was responsible for the group's technology strategy, partnerships and emerging technology adoption. He led Accenture's Software and Platforms P&L portfolio in the Silicon Valley and built the company's largest accounts from ground up.



Kiren Tanna

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



ALUMNI SPEAKS

Aman

Aman graduated from TSEC EXTC in 2012. He currently leads an R&D team of Alexa AI scientists at Amazon to find innovative ways to advance the field of Speaker Understanding, Recognition, and Personalization. Before Amazon, Aman spent 6 splendid years at Apple leading a team that was responsible for developing novel multimodal on-device AI models for a range of applications including speech ("Hey Siri" keyword spotting, speech-to-text ASR models), vision (iPhone's portrait mode), and NLP (Siri query understanding and intent recognition) to enable intelligent and seam-less experiences on future Apple devices



Ajit S. Bopardikar

Ajit S. Bopardikar graduated from Thadomal Shahani Engineering College with a B.E in Electronics Engineering in 1991. He obtained his M. Sc. in Electrical Communication Engineering from the Indian Institute of Science, Bangalore in 1995 and PhD from Center for Imaging Science, Rochester Institute of Technology in 2000. He was a postdoctoral researcher at the Norwegian University of Science and Technology from 2003-05 where he researched on image quality and video processing. He currently works at Samsung R&D Institute India-Bangalore (SRI-8) where he researches on Biomedical devices and handles University research collaborations



Girish Purswani

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



ALUMNI SPEAKS



Jayesh Tekachandaney

Back in the early 90's, when engineering colleges were mushrooming all around, TSEC stood tall and strong with established credentials in Electronics and Computer Science, and was amongst the handful of reputed institutions offering Chemical Engineering and Bio-Medical Engineering. I was fortunate to be a part of this prestigious institute then, personal and professional life. TSEC continues to produce outstanding engineers and professionals serving India and contributing to the world.

Mahesh Nair

Having completed my B.E in Computer Engineering from TSEC, I can assert that this institution prepares its students for a competitive corporate world. I feel lucky to have had the opportunity to learn under TSEC is one of the best college in Mumbai University with better career opportunities and improving placements year by year. TSEC not only grows technically but also socially and culturally owing to the activities conducted by various committees. This institution has always supported their students for doing something good. Some of the faculty members are a blessing for Students. the guidance of some of the finest professors one can ask for and be a part of group studies with my classmates who have been some of the smartest people in the room. Specific courses that have shaped my career, personality and outlook towards team setting include - B.E Final year Project where you work in a team setting for a year, Operating Systems, Communication Skills, Distributed Systems, Computer Programming, Data Structures and Algorithms etc.



INSTITUTE DISTINCTIVENESS & 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

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 dis- parities and marginalization. At TSEC, we engage students in meaningful carbon neutral initiatives instilling a sense of social obligations and responsibili- ties. 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/com- munities around of their place of inhabitancy.

INSTITUTE DISTINCTIVENESS & BEST PRACTICES

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 mas- sive 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.

INSTITUTE DISTINCTIVENESS & BEST PRACTICES

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/document 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.

INSTITUTE DISTINCTIVENESS & BEST PRACTICES

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.

INSTITUTE DISTINCTIVENESS & BEST PRACTICES

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 engineer- ing, 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 ad- mission 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.

INSTITUTE DISTINCTIVENESS & BEST PRACTICES

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 belief 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.

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 centres and encourage start-ups.
- 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.

EXCELLENCE OF RESEARCH

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

The institute's mission, in establishing research program is iconoclastic in approach and demonstrating the much hyped world of academic research in India that go beyond the paradigm of adding to the body of knowledge. Core competence of Dr. G.T. Thampi is in offering research problems of real time Tech- no-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
3. Investigating National productivity improvement by increased penetration of E-Commerce and Mobile Commerce, practices.
4. Content creation for Entrepreneurship training and education.
5. Transcending Technology Education to contribute to the cause of India to evolve as a Total Solution Provider.
6. Investigating preparedness of Indian Industry to integrate Big Data Analytics.
7. Building efficiency in enterprises by leveraging Big Data Analytics.
8. Mass customization in Automation industry using ICT.
9. Restructuring of enterprises to integrate Internet of things for offering cost arbitrage and quality arbitrage.
8. Image processing for agricultural / healthcare applications. Many faculties
9. have filed various patents in different domains.

Many faculties have filed various patents in different domains.

CONTINUING EDUCATION PROGRAM

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

Core Competencies

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

Other Competencies & Value Propositions

- Wi-fi 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.

CONTINUING EDUCATION PROGRAM

The Key Differentiator

- Treating and training students as evolving human capital
- Helping them to realize their potential
- Facilitating and modifying different learning styles and learning disabilities
- Perpetuating the effort to create and augment customized course content to help unleash the potential of different learners
- Our everyday discourse also focuses on creating and facilitating Game changers
- We are productively researching on the ways and means of transcending technology education to help the
- Nation Evolve as Total Solution provider to thrive in a carbon efficient world order
- Facilitating them to manage their emotions to thrive in their professional life
- Indian values driven institutional culture energizing from ancient Indus valley civilization.
- Holistic Personal Development for Global Marketplace
- Well laid out schema and curricula for all round personality development focusing on emotional integrity rooted on sound ethical practices
- Promotion of Extracurricular activities to appreciate collaborative effort and group dynamics. Sensitizing learners about the importance of Nation Building and value/ wealth creation for the mankind at large
- Initiating them to product and process innovation leveraging converging technologies to remain competitive in the global marketplace.

FEES FOR ACADEMIC YEAR 2025-26 (Approved by FRA)

	First Year	Open
Sr. No.	Particular	Amount
1	Tuition Fees	174782
2	College Development Fees	26218
3	University Enrolment Fee	200
4	Marksheet Verification Fee	500
5	University Other Fee	556
6	B.U. Exam Fees (Sem I & II)	2418
7	Insurance (one time for 4 years)	701
	Total	205375

Note: Students who have passed 12th Exam other than State Board

(e.g. CBSC Board, ICSC Board Etc) have to pay Rs 300 for Mumbai University Eligibility Fees at the time of admission

- Candidates other than H.S.C. board will have to pay Rs. 300/- towards Mumbai University Eligibility Fees in addition to the admission fees stated.
- The candidate who has been offered a seat in the college shall pay the prescribed fees in the form of Pay Order / D.D. of any Nationalised/schedule bank only, drawn in the favour 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 candidates during the process of admission as per the guidelines given.

COLLEGES MANAGED BY THE BOARD

- Rishi Dayaram National College of Arts & Science, Bandra(W), Mumbai 400 050.
- Kishinchand Chellaram College of Arts and Science, Churchgate, Mumbai 400020.
- Kishinchand Chellaram Law College, Churchgate, Mumbai 400 020.
- Hassaram Rijhumal College of Commerce and Economics, Churchgate, Mumbai 400 020.
- Smt. Mithibai Motiram Kundnani College of Commerce & Economics, Bandra (W), Mumbai 400 050.
- Smt. Chandibai Himathmal Mansukhani College of Arts, Science and Commerce, Ulhasnagar 421 003.
- Bombay Teachers' Training College, Colaba, Mumbai 400 005.
- Prin. K.M. Kundnani College of Pharmacy, Cuffe Parade, Mumbai 400 005.
- Gopaldas Jhamatmal Advani Law College, Bandra (W), Mumbai 400 050.
- Watumull Institute of Electronics Engineering and Computer Technology, Ulhasnagar 421 003.
- Thadomal Shahani Engineering College, Bandra (W), Mumbai 400 050.
- HSNCB's Dr. L.H. Hiranandani Pharmacy College, Ulhasnagar 421 003.
- HSNCB's H. & G. Himathmal Mansukhani Institute of Management, Ulhasnagar 421003.
- Nari Gursahani Law College, Ulhasnagar 421 003.
- Prin. K.M. Kundnani Pharmacy Polytechnic, Ulhasnagar 421 003.
- K.C. College of Management Studies, Churchgate, Mumbai 400 020.
- HSNC University, Mumbai – 400 018.

“Why Engineering is Still the Most Preferred Educational Program”

Total expenditure incurred for the course:	Less than 12 Lacs
Compensation from industry/ business on campus placement:	12 Lacs per annum
Time required to recover the investment of four year program:	Less than 15 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

*“Perfection is achieved, not when there is nothing more to add,
but when there is nothing left to take away.”*
- Antoine de Saint - Exupery

