About TSEC - Thadomal Shahani Engineering College, Mumbai

Governing Council & Trust

The Hyderabad (Sind) National Collegiate Board, also known as the HSNC board, is a charitable trust established by the Sindhi Community in 1949. The board has a rich history spanning over 60 years and was involved in managing the National College in Hyderabad (Sind) before the partition of India. After the partition, members of the Sindhi Hindu Community migrated to India, where Principal K.M. Kundnani initiated efforts to start a college in Mumbai. With support from Barrister Hotchand G. Advani, the Hyderabad (Sind) National Collegiate Board was founded in 1949 in Mumbai.

Institutions Managed by the Board

The institutions managed by the HSNC Board and affiliated with the University of Mumbai include:

- Rishi Dayaram National College of Arts and Science

- Kishinchand Chellaram College of Arts and Science

- Kishinchand Chellaram Law College

- Hassaram Rijhumal College of Commerce and Economics

- Smt. Mithibai Motiram Kundnani College of Commerce & Economics

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

- Bombay Teachers' Training College

- Prin. K.M. Kundnani College of Pharmacy

- Gopaldas Jhamatmal Advani Law College

- Watumull Institute of Electronics Engineering and Computer Technology

- Thadomal Shahani Engineering College

- HSNCB's Dr. L.H. Hiranandani Pharmacy College

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

- Nari Gursahani Law College

- Prin. K.M. Kundnani Pharmacy Polytechnic

- Institute of Technology

- K.C. College of Management Studies

College Profile

Established in 1983, Thadomal Shahani Engineering College (TSEC) is recognized by the Government of Maharashtra, approved by the All India Council for Technical Education (AICTE), and affiliated with the University of Mumbai. TSEC offers a 4-year Bachelor of Engineering (B.E.) Degree program in various disciplines such as Artificial Intelligence and Data Science, Information Technology, Computer

Engineering, Electronics & Telecommunication, and Chemical Engineering. The college also offers Ph.D. programs in Information Technology, Computer Engineering, and Electronics & Telecommunication.

Academic Success

TSEC has a track record of successfully placing graduating students in leading enterprises, with more than 90 companies offering campus placements to graduates. The college also facilitates higher studies for students in India and abroad.

Accreditation and Quality Assurance

The college has established quality systems and procedures, leading to the accreditation of its programs by the National Board of Accreditation. It identifies emerging areas in engineering and integrates them into the course curriculum, such as Artificial Intelligence, Machine Learning, Deep Learning, and Blockchain Technology.

Leadership

The Principal of TSEC is Dr. G.T. Thampi, who holds a B.Sc. (Engg.) Degree in Mechanical Engineering, an M.E. in Mechanical Engineering with Machine Design specialization, and a Ph.D. in Technology from Mumbai University. Dr. Thampi received the Shikshak Ratan Award in 2011.

Vision

The college aims to contribute to the evolving supply chain of human capital for the national economy, create entrepreneurs, and support societal advancement while emphasizing value and wealth creation for mankind.

Mission

TSEC focuses on product and process innovation, leveraging cognitive and behavioral science for instructional content creation, utilizing Information Communication Technologies for customized learning, acknowledging various learning styles, promoting research culture, and understanding different markets and cultures.

Competency in Coding

The college emphasizes coding competency to enhance logical and analytical abilities, entrepreneurial skills, and problem-solving abilities among students. Various initiatives, including the TSEC Code Cell and TSEC Code Storm societies, aim to nurture students' interest in programming and enhance their coding skills.

Campus Placement

TSEC has a robust placement cell, with over 90 companies offering campus placements. Top companies like Amazon, Ernst and Young, JP Morgan, and others recruit students from the college, reflecting the college's strong industry connections and market-driven approach to placements.

Social Outreach

The college engages in various social outreach programs to foster social responsibility among students, sensitize them to social issues, and contribute to the betterment of society. Initiatives like the National Service Scheme (NSS) and Rotaract club aim to engage students in meaningful community service activities.

Core Competencies

TSEC's core competencies include leveraging visual learning, maintaining a student-centered institutional structure, employing highly qualified faculty, implementing contemporary pedagogical practices, providing an engineered academic ambience, and offering effective placement services. Additionally, the college has a significant number of Ph.D. scholars and focuses on emerging areas like Blockchain Technologies, Data Analytics, and Artificial Intelligence.

Facilities

The college's facilities include a well-stocked library with digital resources, a central computing facility with internet connectivity, modern laboratories equipped with cutting-edge instruments and licensed software, seminar rooms with audio-visual technology, and additional amenities like ladies' common rooms, students' lounges, and a canteen.

Committees

TSEC has various committees, including the Governing Body, College Development Committee, Placement Advisory Committee, Student Grievance Redressal Committee (GRC), and Internal Complaints Committee, to ensure effective governance and address various issues concerning students and staff.

Social Initiatives

TSEC's social initiatives aim to promote vegetarianism, address climate change, and contribute to carbon-neutral practices through seminars, ground visits, and lifestyle changes. The college has undertaken projects to reduce energy consumption, promote digitalization, and participate in tree plantation drives.

Challenges and Resources

The college faces challenges such as limited funding and time constraints between academic sessions and project activities. To address these challenges, it aims to design, market, organize, and build a culture of Software and Hardware Hackathons to promote experiential learning and bridge the gap between theoretical studies and practical applications.

Department of Computer Engineering

The Computer Engineering department was established in 1984 and has grown into a competent department with state-of-the-art facilities and dedicated faculty. It offers undergraduate and postgraduate programs, emphasizing professionalism, industry relevance, and research. The department has excellent infrastructure, including a digital library, internet browsing facilities, and industry interactions, leading to successful placements in prestigious software industries worldwide.

Vision of the Computer Engineering Department

The department aims to be a center of excellence in higher education and enterprise computing, nurturing learners with leadership skills and a commitment to professionalism and responsible citizenship.

Placement Details

In the academic year 2022-23, TSEC witnessed successful placements, with 210 students placed out of a total of 144 candidates, reflecting the college's strong commitment to academic and career success for its students.

Faculty Profile

1. Dr. Arti Deshpande

   - Qualification: Ph.D. in Engineering

   - Areas of Expertise: Machine Learning, Data Warehousing, Computer Science

   - Position: Associate Professor

   - Date of Joining: January 15, 2008

   - Employment Status: Regular

2. Ms. Urvi Kore

   - Qualification: M.E. in Computer Engineering

   - Areas of Expertise: Image Processing, Computer Graphics, Machine Learning, TCS, Algorithms

   - Position: Assistant Professor

   - Date of Joining: August 10, 2009

   - Employment Status: Regular

3. Mr. Aejazul Khan

   - Qualification: M.S. in Computers

   - Areas of Expertise: Project Management, Management Information Systems, Database Management Systems, Software Engineering

   - Position: Assistant Professor

   - Date of Joining: August 17, 2009

   - Employment Status: Regular

4. Dr. Gauri Shukla

   - Qualification: Ph.D. in Engineering

   - Areas of Expertise: Data Link Control Algorithms, Microprocessors

- Position: Associate Professor
- Date of Joining: August 1, 2001
- Employment Status: Regular

5. Mr. Rithesh Kini

   - Qualification: M.TECH in Data Link Control Algorithms
   - Areas of Expertise: Data Link Control Algorithms
   - Position: Assistant Professor
   - Date of Joining: January 10, 2003
   - Employment Status: Regular

6. Mr. Vaibhav Ambhire

   - Qualification: M.E. in Computer Engineering
   - Areas of Expertise: Distributed Learning, TCS, SPCC
   - Position: Assistant Professor
   - Date of Joining: June 10, 2017
   - Employment Status: Regular

7. Ms. Nabanita Mandal

   - Qualification: M.E. in Computer Engineering
   - Areas of Expertise: Distributed Learning, Machine Learning, Computer Networks, Database Management Systems, Cyber Security
   - Position: Assistant Professor
   - Date of Joining: July 12, 2013
   - Employment Status: Regular

8. Ms. Darakhshan Khan

   - Qualification: M.E. in Computer Engineering
   - Areas of Expertise: Distributed Learning, Machine Learning, Algorithms, Data Structures, Web Technologies
   - Position: Assistant Professor
   - Date of Joining: January 5, 2015
   - Employment Status: Regular

9. Ms. Juhi Ganwani

   - Qualification: M.E. in Computer Engineering

   - Areas of Expertise: Distributed Learning, Machine Learning, Database Management Systems

   - Position: Assistant Professor

   - Date of Joining: December 2, 2016

   - Employment Status: Regular

10. Ms. Shilpa Ingoley

    - Qualification: M.E. in Computer Engineering

    - Areas of Expertise: Distributed Learning, Machine Learning, Computer Networks, Database Management Systems, Cloud Computing

    - Position: Assistant Professor

    - Date of Joining: July 1, 2017

    - Employment Status: Regular

11. Ms. Parul Jain

    - Qualification: M.E. in Computer Engineering

    - Areas of Expertise: Digital Signal Processing, Software Engineering

    - Position: Assistant Professor

    - Date of Joining: February 15, 2021

    - Employment Status: Regular

12. Ms. Sonali Jadhav

    - Qualification: M.E. in Computer Engineering

    - Areas of Expertise: Cloud Computing, Cyber Security, Computer Networks, Database Management Systems, Web Technologies

    - Position: Assistant Professor

    - Date of Joining: August 2, 2021

    - Employment Status: Regular

13. Mr. Khalid Ansari

    - Qualification: M.E. in Computer Engineering

- Areas of Expertise: Blockchain, Data Science, Database Management Systems, Operating Systems

- Position: Assistant Professor

- Date of Joining: December 15, 2021

- Employment Status: Regular

14. Mr. Adil Shaikh

- Qualification: M.E. in Computer Engineering

- Areas of Expertise: Artificial Intelligence, Machine Learning, Data Science, Data Management and Business Intelligence

- Position: Assistant Professor

- Date of Joining: July 18, 2022

- Employment Status: Contract

Placement Details

In the academic year 2022-23, a total of 210 students were placed out of 144 candidates, reflecting the college's strong commitment to academic and career success for its students.