

A Meeting Place  
for Innovative Minds

www.tistcochin.edu.in

Institution Code / TOC

 Toc H Institute of Science & Technology

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**TIST Excellence Scholarship / B.Tech.**

Name	Scholarship	Eligibility	Nos	Quota
TIST Income-Cum-Merit Scholarship (TIFERS)	Full Tuition Fee Waiver	Family Income less than Rs. 1,50,000	16	Mgt. Govt.
	Half Tuition Fee Waiver	Family Income between Rs.1.5 Lac and Rs. 3 Lac	24	Mgt. Govt.
TIST Excellence Scholarship	Full Tuition Fee Waiver for Toppers	1-5000 Rank Holders in KEAM 2017	5	Govt.
	Half Tuition Fee Waiver for Toppers	5001-10000 Rank Holders in KEAM 2017	5	Govt.
	Govt. College Fee (Rs. 25,000/-p.a) for XII Exam Toppers	More than 90% Marks in CBSE or 95% Marks in State, each in PCM	10	Mgt. Govt.
	Special Fee (50,000/-p.a) for XII Exam Toppers	More than 85% Marks in CBSE or 90% Marks in State, each in PCM	10	Mgt. Govt.
TIST Arts & Sports Scholarship	Full Tuition Fee Waiver - Arts	State/National Level Achievers in Arts event	1	Mgt. Govt.
	Full Tuition Fee Waiver - Sports	State/National Level Achievers in Sports	1	Mgt. Govt.
AICTE Scholarship	AICTE Full Tuition Waiver Scholarship	Family Income less than Rs. 2,50,000	27	Govt.
Puthuyugam	District Collector's Scholarship for Economically Backward Students.			

**TIST Excellence Scholarship / M.Tech.**

Category	Marks	Fees(Rs)
GATE Qualified	70% & Above	20,000/- + other fees Full special fee waiving
GATE Qualified	60% - 70%	25,000/- + other fees Full special fee waiving
Without GATE Score	70% & Above	30,000/- + other fees Full special fee waiving
Without GATE Score	60% - 70%	35,000/- + other fees Half special fee waiving
Non GATE	70% & Above	35,000/- + other fees Half special fee waiving
Non GATE	60% - 70%	40,000/- + other fees including special fees
TIST	TISTians can avail an additional waiver of Rs. 5,000 for GATE and Rs. 10,000 for Non GATE.	

**ADMISSION**

**B.Tech. & M.Tech.**  
As per the Govt. of Kerala & KTU guidelines.  
**Fees:**  
As per the norms of the Govt. of Kerala.  
**For Application Forms and more details about Scholarships**  
Visit our website : [www.tistcochin.edu.in](http://www.tistcochin.edu.in)



**TIST Admission Flyer 2017-18 / B.Tech. | M.Tech. | MBA**

For Admissions, Admission Officer: Dr. Sreeja Subash, Dr. Sanjay Gopinath - 9995043464, TIST- 0484 2748388

Entries from our Visitors Log  
I am inspired by the vision and commitment of this college to students and industry in the local area. Your leaders and teachers are visionaries.  
Prof. Edmund Lai,  
Head of IT and Software Engineering  
Auckland University of Technology, New Zealand

I am quite impressed by the facilities offered to the students in the college and the very good ambience of the Institutions. I congratulate the Management, the Principal and the Staff, for the way in which this college is being run as a center of excellence. I wish the Institution all success.  
Dr. J Alexander, IAS  
Former Chief Secretary & Cabinet Minister for Tourism,  
Govt. of Karnataka.

Good attempt by Toc H on bringing the latest Technology to the benefit of students.  
Bhadran V K  
Associate Director at CDAC,  
Thiruvananthapuram



**Toc H**  
**INSTITUTE OF SCIENCE & TECHNOLOGY**  
Approved by AICTE, New Delhi & Affiliated to A P J Abul Kalam Technological University (KTU)








- ☐ Offcube Technologies
- ☐ Flip Technologies
- ☐ nextEIN
- ☐ Rectfy Technologies
- ☐ Naina Glass
- ☐ MindHelix
- ☐ Immneos Technologies India
- ☐ AppIncubator ... and many more


### TISTian Startups

### ALUMNI SPEAKS...



**Jeyaram Raveendran**  
Senior Manager QuintilesIMS  
United States of America  
2002-06 Batch, Information Technology

The 4 years that I spent at Toc H were golden. It equipped me with the great technical knowledge, leadership and analytical skills. Toc H provided me the great platform to discover myself. I was lucky to be the first batch of the college. It provided us the opportunity to explore and lay the path for others to follow. Toc H has undoubtedly the best infrastructure and teaching staff among its peers. My mind is still afresh with the memories of the 4 years I spent there, be it the Classrooms, Labs, Sports & Arts festivals, Friendships, Hostel life or Placements it always brings back a smile on my face. Those 4 years were indeed the best days of my life.




**K Narayanan Nampoothiry**  
Business Analyst  
MindTree Ltd., Bangalore  
2002-06 Batch, Computer Science and Engineering

Toc H is one of the few colleges that has kept the students to stand immune to the political disturbances prevalent in the state. Being a student of the first batch, I have seen the humble yet committed beginnings of Toc H and we students feel proud today to have graduated from Toc H. College is where you make friends and memories for a life time. After more than 10 years of graduation, the batch is still well connected, although we are geographically distributed. It is good to hear that the Institution offers post graduate education too, which in itself affirms to its high education quality and adherence to standards.




**Sajith SS**  
Area Manager  
ITC Ltd  
2003-07 Batch, Electronics & Communications Engineering

Toc H has been a breeding ground for budding talents. It has provided the best of infrastructure to develop and enhance our curricular and co-curricular activities. The four years at Toc H were an exciting and transformation time, in my life. As a student I was given many opportunities to prove myself academically and personally. I thank the excellent, hard working and dedicated team of faculty members. They have inspired me to dream big and take larger visions in life and taught me countless invaluable lessons, that went far beyond the mere content of the syllabus. Toc H is dedicated to the academic, intellectual and personal development of every student of the Institute.




**Jithin Arakkatt Shaji**  
Sr. Planning Engineer  
KMC Holding, Bahrain  
2006-10 Batch, Civil Engineering

The past convictions of our lives merely offshoot the epilogues of the future, that is the feeling which holds me back, being a student in the first batch of the Department. It was like planting a sapling in a ploughed-out land; to grow as a tall fruit-bearing tree, requires a fertile soil which was provided by the considerate, college Management and the periodic watering which was done by the significant teachers, with their incredible helping hands, shading us to grow tall and fruitful, to meet the needs of the Industry. As I recall, those were the days we learnt, that Civil Engineering was not just a branch of Science but it was almost the solution to many problems that we have in society.




**Parvathy Krishnaswamy**  
Lead Data Engineer and Architect,  
Saltside Technologies Pvt. Ltd., Bangalore  
2002-06 Batch, Information Technology

Knowledge when gained through education begets the ability to develop new ideas. It gives you the strength to test yourself and dream beyond the impossible. With the guidance of the awesome faculty of Toc H (some of whom I am still in touch with), I became who I am today. I learn to push myself constantly and never stop learning. The confidence these teachers gave me from time to time, even beyond the 4 years in college, has been a driving factor for me, to strive, to get better and better in my career.



**Anoop K Nayak**  
Site Reliability Engineer. LinkedIn  
California, United States  
2010-14 Batch, Computer Science and Engineering

At present my work is to make sure that the LinkedIn search, works all the time without a glitch. If you see something wrong there, I would be the one springing up in action to solve it. I'm a Computer Science graduate from TIST, who is very passionate about learning the latest tools and technologies and TIST gave me a platform to grow. Very differently, while being in college itself, I got opportunities and support to participate and excel in International competitions by NASA and Blackberry. The college provided an excellent platform to share my knowledge with my fellow students and I could earn National level recognition as an active CSI member.



**Amal M R**  
Plant Engineer (Electrical), KMML, Kollam  
2007-11 Batch, Electrical and Electronics Engineering  
2012-14 Batch, Power Electronics

One of the most interesting stages in life that gives you an opportunity to explore is the college phase. Choosing a college is imperative in that it can potentially affect the level of preparation for a professional career. The 6 years at Toc H enriched my life in many ways. I thank all the faculty members of TIST who have helped me to achieve a better career.

### Entrepreneurial Awards

- ☑ Smart Riser by Flip Technologies, ranked among the top five startups in India, in The Next Big Idea contest organized jointly by the Govt. of Ontario, BSE, IBM Global and Ryerson Futures Inc.
- ☑ VCENS by Immneos Technologies India, bags the Best Entrepreneur Award at the Start-up Conclave conducted by the Department of Industries & Commerce, Government of Kerala and Technolodge.

### COURSES OFFERED

- #### B.Tech.
- Civil Engineering (60 Seats)
  - Computer Science & Engineering (60 Seats)
  - Electronics & Communication Engineering (90 Seats)
  - Electrical & Electronics Engineering (60 Seats)
  - Information Technology (30 Seats)
  - Mechanical Engineering (120 Seats)
  - Safety & Fire Engineering (60 Seats)

- #### M.Tech.
- VLSI & Embedded Systems (ECE, 18 Seats)
  - Wireless Technology (ECE, 18 Seats)
  - Data Security (CSE, 24Seats)
  - Network Computing (CSE, 24 Seats)
  - Power Electronics (EEE, 24 Seats)
  - Thermal Engineering (ME, 24 Seats)
  - Construction Engineering and Management (CE, 24 Seats)

- #### MBA
- Two Year fully residential programme (60 Seats)

### MoU Partners

- ☐ Infosys, for Infosys Campus connect program.
- ☐ Oracle Academy, for Oracle training and certification.
- ☐ ICT Academy of Kerala, for familiarizing the latest technology trends right from the industry experts, facilitating ideal placements.
- ☐ VSB Technical University of Ostrava, Czech Republic, for Academic and Research Collaboration.
- ☐ CADD Centre for training services.
- ☐ CAFET INNOVA Technical Society (CITS).
- ☐ BASHA Research Corporation (BR Corp).
- ☐ University of Technology, Malaysia.
- ☐ INTI International University, Malaysia.
- ☐ Daikin Air conditioning India Pvt Ltd.
- ☐ CDAC Trivandrum.
- ☐ Fire & Safety Association of India (FSAI).
- ☐ Arbrit Safety & Engineering Solution, for NEBOSH certified courses.
- ☐ Nansen Environmental & Remote Sensing Center Bergen Norway.
- ☐ University of Kelaniya, Sri Lanka for Students Exchange and Research collaboration.
- ☐ Technolodge, the first Rural IT Park in Kerala.

### IIT Bombay - Remote Center

- ☐ IIT Bombay selects reputed Engineering Colleges exhibiting high academic standards, excellent infrastructure and good Faculty, endowed with expertise of experience as their remote centers. We are one among the privileged few, selected for supporting the IIT courses and workshops conducted via the A-View platform.

### TIST IN NUMBERS



**23100** Sq.m.  
Built up area (Academics)

**6720** Sq.m.  
Built up area (Support)

**26.6** Acres of Land

### TIST STATISTICS



**1804** UG STUDENTS

**163** PG STUDENTS

### FACULTY MEMBERS



**174** FACULTY MEMBERS

### AMENITIES

- WiFi Campus & Hostels
- Health Center
- ATM
- Canteen & Cafeteria
- Co-operative Society Store
- 3 Indoor Auditoriums
- 1200 Seats Indoor Stadium
- Cricket & Football Ground
- Volleyball Courts
- Basketball Courts
- Badminton & Tennis Courts

### LIBRARY



**34,220+** BOOKS

**175+** JOURNALS

E-JOURNALS & E-BOOKS - IEEE, ELSEVIER, EMERALD MANAGEMENT, DELNET & NDL

VIVEKANANDA CENTRAL LIBRARY  
SARABHAI DIGITAL LIBRARY  
C.K PRAHALAD MBA LIBRARY  
DEPARTMENT LIBRARIES

### TRANSPORTATION



**19 Buses**

**2 Cars**

**1 Ambulance**

**1 Truck**

**1 Water Bowser**

### LAB HIGHLIGHTS



- ABB Robot
- IoT Project Lab
- 500+ Computers
- Power Electronics Lab
- Electrical Machines Lab
- PCB Design & Fabrication
- Laser Instrumentation Lab
- Engine Exhaust Gas Analyzer
- Optoelectronics and Laser Lab
- VLSI & Embedded Systems Lab
- Agilent Advanced Communication
- High Precision High Speed Lathe Center
- Variable Compression Ratio Research Engine and more...

### HOSTELS



**350** Boys

**350** Girls

## DEPARTMENTS



### Professional Societies



- ◆ Indian Concrete Institute (ICI)
- ◆ Indian Green Building Council (IGBC)
- ◆ Computer Society of India (CSI)
- ◆ The Institution of Electronics and Telecommunication Engineers (IETE)
- ◆ Indian Society for Technical Education (ISTE)
- ◆ Institute of Electrical & Electronics Engineers (IEEE)
- ◆ Institution of Engineers (IE India)
- ◆ Confederation of Indian Industry (CII)



### CIVIL ENGINEERING

Estd. in 2006

- ◆ The Department is committed to create engineers of global standards to serve the society collaboratively, competently and ethically. Has been producing excellent results and employable graduates since the year of its establishment.
- ◆ M.Tech. students get grant-in-aid for their approved projects from recognized research institutions like the Institution of Engineers.
- ◆ Our active student chapters of Civil Engineering Association RACHANA, ICI and IGBC organise technical talks, seminars, site visits etc.
- ◆ Has a strong consultancy division taking up work for clients including KITCO, Kochi METRO, Southern Railway, KWA, FACT, PWD, etc.
- ◆ Our social outreach programme includes technical experts for masons and technical partners for PMAY Scheme of Mulanthuruthy Block Panchayat.
- ◆ Focuses on emerging as a Centre of Excellence in the field of cost effective green building materials.

### COMPUTER SCIENCE & ENGINEERING

Estd. in 2002

- ◆ Well-equipped laboratories with high speed Internet connectivity, meeting the requirements of the undergraduate and postgraduate courses as well as research.
- ◆ Promotes development of skills through memberships in professional societies like CSI and in CSAT Department association, giving opportunities to organize, participate and excel in technical and managerial events.
- ◆ Encourages student participation in International and National level events like CANSAT and URC (NASA), Silicon Valley initiatives, JamHack (Blackberry), RoboTryst (IIT Delhi), Technopreneur (IEDC), Hackathons & Techathlons, Maker Mela, Make In India - Paper presentations etc.
- ◆ Provides excellent opportunities for placement and nurtures entrepreneurship, producing many young entrepreneurs who have unthinkable success stories.

### ELECTRONICS & COMMUNICATION

Estd. in 2002

- ◆ The branch is powered by industry experienced faculty members who bring the right blend of academic and research expertise and industrial experience from national and international organizations like DRDO, AT&T etc.
- ◆ The Department works closely with Digital Core Technologies, Kochi, and Digital Shark Technology Pvt. Ltd., Bangalore, for academic interactions as well as exposure to the current trends in technology used in industries for both students and faculty.
- ◆ The Department regularly promotes student participation in National & International Events like CanSat Competition conducted by NASA, USA, Rover Challenge Competition by Mars Society, USA, Techathlon etc.
- ◆ The facilities in the Department include, testing of Analysis with Agilent Advanced Communication Lab, Research Lab in Optoelectronics & Laser Instrumentation, IOT enabled Project Lab etc.

### ELECTRICAL & ELECTRONICS ENGINEERING

Estd. in 2004

- ◆ Excellent infrastructure for extra academic activities in the area of power electronics, renewable energy and energy management.
- ◆ The Department has established a centre of excellence in energy conservation and management. An Energy Efficiency Evaluation Lab in the Department focuses on the various power quality issues and their mitigation techniques.
- ◆ Extra labs also include a separate Project Lab and L&T Switch Gear Lab.
- ◆ The Students are encouraged to undergo Internships at various industries. Periodic industrial visits from the college and regular talks by experts from the industry are organised to reduce the Industry Institute gap.
- ◆ The students stand to gain practical knowledge from the Institute also, since the Electrical maintenance wing of the college is under the EEE department.
- ◆ The EEE students are well placed in well reputed companies such as Infosys, Robert Bosch etc. to name a few.

### INFORMATION TECHNOLOGY

Estd. in 2002

- ◆ Securing the highest academic results in CUSAT, including two University first ranks and several other ranks.
- ◆ Generating the highest number of young IT entrepreneurs, including innovative contributions like Naina glass, TukTuk meter (by MindHelix), VCENS (by Immeos Technologies India), the Best Entrepreneur Award at Start-up Conclave conducted by the Department of Industries & Commerce Government of Kerala and Technolodge, and a NASSCOM listed startup, ApplIncubator, etc.
- ◆ Promoting in-house project developments and hands on experience in live projects in association with BSNL Bangalore.
- ◆ Regular technical talks, seminars, workshops etc. conducted by experts from Industries, to keep the students up-to-date with current technologies.
- ◆ Engaging empowerment programmes on computer education, promoting the overall development of the society.

### MECHANICAL ENGINEERING

Estd. in 2006

- ◆ Consistently securing top ranks in B.Tech & M.Tech Examination.
- ◆ Sophisticated & most modern facilities such as CNC Turning center, ABB Robot, High Precision High Speed Center Lathe, Variable Compression Ratio Research Engine, Engine Exhaust Gas Analyzer etc.
- ◆ Effective Industry Institute interaction with major industries – HMT, CIFNET, FACT, KAMCO, HNL, ISRO, FAR Bangalore etc.
- ◆ Serving the industry and academics through consultancy in fields of Production & Engine research.
- ◆ Undergraduate students get training in modern tools such as AUTOCAD, Modelling & Analysis softwares, HVAC (Heating Ventillation & Air Conditioning) & GATE Coaching.
- ◆ Atleast 10% of the students, from every batch, pursue higher studies in India and Abroad.

## TIST HIGHLIGHTS

- TIST follows an outcome based Teaching Learning Pedagogical Model using Revised Bloom's Taxonomy and Creative Learning Process Model.
- ICT enabled smart classrooms (with LCD Projectors, TV, Wi-Fi Internet connectivity, and Laptop)
- Full fledged library with more than 500 books in each Department, in addition to the Central library facilities.
- The TIST Consultancy Services provide an exposure to the real world engineering problems.
- TIST IEDC (Industrial Entrepreneurship Development Cell) generates the highest number of young entrepreneurs, representing the College, in the Startup village, contributing positively to the goodwill of the TIST student community.
- Proceedings of the International Conferences conducted in TIST are published in Internationally acclaimed publishers like 'Springer'.
- In-house student counseling by highly qualified experts of the Department of Psychology, TIST.
- In-plant training and internship at preferred Industries including Cochin Shipyard, Keltron, ITI Ltd., OEN India Ltd., BSNL, TATA Communications, Digital Core Technology, Delphi Connections etc.
- Each Department of TIST organizes International & National Conferences, Workshops, Seminars, FDPs etc. at regular intervals to maintain the momentum of lifelong learning and improve the teaching-learning process with active participation from Industries & Research.
- Students are encouraged to participate in curricular and extra-curricular activities at the collegiate as well as the inter-collegiate level.

## PLACEMENT

- The Department of Training & Placement organizes placement training programmes in coordination with various agencies like TIME, SB Global, Prometis etc.
- It is a matter of great pride that many of our students are placed with top notch MNCs like Infosys, TCS, HCL, Wipro, Accenture, IBM, Oracle Financials etc.
- 239 students of the 2012-16 Batch achieved Campus placements, and this constitutes more than 85% of our total eligible students.



### SAFETY & FIRE ENGINEERING

Estd. in 2011

- ◆ This unique programme provides students with the prowess to create an atmosphere of Safety against Fire.
- ◆ The Department has developed its infra structural platforms over the years with the addition of standard laboratory facilities. It succeeds in conducting training programme at par with Industry standards.
- ◆ Conducting mock drills in association with the Government of Kerala Fire and Rescue Services.
- ◆ The Department offers multiple electives to meet the student aspirations and encourages technical development through smart class room discussions, on beyond the syllabus topics.
- ◆ Fully functional miniature fire tender with water and foam dispensing facility available for students to get hands-on experience.
- ◆ Conducting NEBOSH certified course to equip our students for safety based jobs in UK in association with the Arbrit Safety & Engineering Solution.

