

Toc H Institute of Science and Technology

MINUTES

12th GOVERNING BODY MEETING

DATE: 18th August 2025

Time: 11.30 am.

Venue: Asoka Hall

12th GOVERNING BODY MEETING HELD ON 18th AUGUST 2025

VENUE: ASOKA HALL

MEMBERS PRESENT

Sl. No.	Governing Body Members
1.	Er. C. S Varghese (President, Toc H Public School Society).
2.	Mr. Kurian Thomas (Manager, Toc H Public School Society).
3.	Mr. Madhu Cherian (Secretary, Toc H Public School Society).
4.	Mr. N. J. Johnson (Treasurer, Toc H Public School Society).
5	Mr. George Thomas (Chairman of the Governing Body). General Manager (PR & Admin), BPCL - Kochi Refinery
6.	Prof. (Dr.) P.G. Sankaran, VC CUSAT
7.	Dr. A. Unnikrishnan (Associate Director at NPOL, DRDO, Retd.).
8.	Mr. Ramesh Nair, CMD, APTIV Connection Systems, India
9.	Prof. (Dr.) Preethi Thekkath, (Principal, TIST). (Governing Body Secretary).
10	AICTE Nominee
11	Syndicate Nominee
12	Dr. Deepa Elizabeth George Vice Principal, TIST HOD, Dept. of Electronics, TIST
13	Dr. S PerumalSankar, PG Dean Professor, Department of Electronics, TIST
14	Dr. Georgina Binoy Joseph, UG Dean Asso.Prof, Dept. of RA, TIST

Leave of Absence:

1. Prof. (Dr.) P. G Sankaran, VC,CUSAT

General Address

Commencement of the meeting was by invoking the blessings of Almighty God. A self-introduction of all the members present was made in the meeting. Welcome speech was delivered by Er. C S Varghese (President, Toc H Public School Society). Special Address was made by Mr. George Thomas (Chariman of the Governing Body) (General Manager (Pr&Admin), BPCL, Kochi Refinery).

The agenda items were taken up for discussion.

Item No GB 12 (01) Confirmation of the minutes of the previous meeting held on 22nd Aug 2024

The copies of the minutes had been circulated to all members of the Governing Body and the Governing Body resolved to approve the minutes.

Item No GB 12 (02) Brief Report of the Principal of all academic and non-academic activities of the college for 2024-2025

Prof. (Dr.) Preethi Thekkath (Principal, TIST) presented the report of all the academic and non-academic activities of the college for 2024-2025.

Institute Level Achievements

The main highlights of the Report is as follows. TIST is an institute with NBA-accredited UG programmes. TIST is an ISO certified institution with NAAC “A” Grade Accreditation for 5 years since 2024 and UGC 2 (f) status. TIST secured 19th position for KIRF (Kerala Institutional Ranking Framework) Ranking. Toc H Institute of Science and Technology received DIC research fundings worth Rs. 28 lakhs from AICTE, ACARR-CUSAT, K-DISC, KTU-CERD, PALS, Freston Analytics etc. during 2024-2025.

NAAC HIGHLIGHTS

The SWOC Analysis of TIST is as follows: -

Strengths

- Ranked among the first 20 colleges in aggregate results published by KTU achieving University Ranks
- Good placement statistics
- ASAP (Advanced Skill Development Centre) offering futuristic courses. Active Student Community Learning Groups in Campus. Scholarships, Fee Waivers and Book Bank Scheme Ensuring Gender Equity.
- Well placed Alumni
- Strong PTA Support

Weakness

- Remote location of the institute
- TIST is offering programs in engineering and management streams only. Lack of freedom to frame the syllabus and customize it according to the immediate requirements of the industry

OPPORTUNITY

- Autonomy status for the Institution.
- Research/Industry/Institute Collaborations
- Proximity to Industries/premier Institutes
- Ecosystem for Innovative Hub
- Large acreage of land available can be utilized effectively for infrastructure required for diversification in our education portfolio

CHALLENGES

- Congestion of Engineering Institutes Quality of Admission
- Attrition
- Increase in the rate of migrations to foreign countries before/after the UG course.
- Procuring Government Funds Increase Core Placements NE

Existing MOUs with various departments

Moreover, TIST has MOUs with SiteXpert C/o Viya Builders Pvt. Ltd, Rebuilding Kerala Initiative ,LSGD, Govt. of Kerala, Matter lab, Calicut, Habilete Learning Solutions Pvt. Ltd, Universidad Catolica de Temuco, Chile, Odessa State Academy of Civil Engineering and Architecture ,Odessa, Ukraine, ELEATION, ELEATION Singidunum University, Sinergija University, Logix Space Technologies, KBAIC (Kerala Blockchain Academy Innovation Club, Freston Analytics Pvt. Ltd., Kozhikode, GitHub, Federal Academy for Cyber Education (FACE), Additional Skill Acquisition Programme Kerala (ASAP), Techno lodge, Kakkoor P.O, Piravom (1st Rural IT park in Kerala, Oracle Academy, International Centre for Free and Opensource Solutions (ICFOSS) - Foss Cell, RedHat Academy, Lauritz Knudsen Electrical & Automation (Switchgear Training Centre, Coonoor), Leela Electric Pampakuda, IPCS Global Solutions Pvt. Ltd. Ernakulam, Elkanio Research Labs, Comptivia Technology, NexoSpark Pvt Ltd, Fuselage Innovations, Bhavan's Kochi Kendra, Daikin, BMITS, Malabar Extrusions, Graceland Foundations , National Safety Council Kerala Chapter.

Projects ongoing (2024-2025) Funded Projects

The major projects ongoing are as follows: -

1. Traffic Incident Detection and Evidence Management from CCTV surveillance footage using Deep Learning and Blockchain
2. Design and Testing of Active Magnetic Regenerative Refrigeration System
3. Innovation of action plan, ODOI Plywood Cluster, MSME
4. ODOI Cluster Management program , Edakkatuvayal GramaPanchayat
5. Real Time Soil Moisture Monitoring System
6. Integration of MEMS Accelerometer and GNSS for Landslide Prediction
7. Waste oil derived greases: A comparative Tribological Investigation
8. First Aid Pro

9. Automatic Smart Fish Tank Cleaner
10. Confined Space Multi-Surveillance Crawler
11. BOT Arm
12. ROS Agricultural Robot with Machine learning and Custom User Interfacek
13. ROS Agricultural Robot with Machine learning and Custom User Interface
14. Eco-sentinel
15. Funding –Land Slide Project in collaboration with NSIL, ISRO.

FUNDED FACULTY DEVELOPMENT PROGRAMMES

- 2024 AICTE VAANI Fund (Rs. 187000) received for conducting Technical Training in Local Language. Topic: Smart Manufacturing and Industry 4.0
- 2025 AICTE VAANI Fund (Rs. 2 Lakhs) received for conducting Technical Training in Local Language. Topic: Gen AI and Data Science
- 2025 ATAL FDP Fund received (Rs. 2 Lakhs) for the conducting training in the area Next Gen Intelligence: HPC, Applied AI and Data Science.
- Rs. 75000/- Fund received for the Project First Aid Pro in Spark Venture Ignite Innovation Challenge.
- Developed In house Project-Activity Tracker to systematically monitor events and activities organized and participated in by students and faculty members.

IDEA PITCHING AND ENTREPRENEURSHIP DEVELOPMENT ACTIVITIES

TIST IEDC has been elevated to the TBI (TECHNOLOGY BUSINESS INCUBATOR). TIST has organised BluePrints 2025: Business Canvas and IP Expo for S2 students, organised SpartVenture Ignite Innovation Contest in association with Freson Analytics, U K & India. TIST has organised Tinker Hub Use less Projects Make-a-thon, Nov 2024, Sponsored by FACE Technologies and Tinker Hack Event (Hackathon) by Tinker Hub, January 24-25, 2025.

TIST Staff and Students participated in Three-day residential workshop at IIT Madras- THINK CREATE ENGINEER program at IIT Madras. TIST organised Pitch Deck Competition Conducted in Association with IEEE and IIC on august 2nd, 2025 for S3 students.

Value Added Courses

The Value-Added Courses offered are as follows: -

- One-month Industrial training on Artificial Intelligence and Gen AI in association with AII Lab
- One-month Industrial training on Full Stack Development in association with Lifosys, Calicut.
- Mandatory NPTEL MOOC Course for B.Tech second years 2025 in Object Oriented Programming.
- Infosys Springboard Certification in various specializations
 - Cloud Computing,
 - Block chain Technologies,
 - Web Development
 - Database Management
- Google Cloud Career Launchpad Program for students in the following Specializations
 - Associate Cloud Engineering Certificate (ACE)
 - Data Analytics Certificate (DA)
 - Cyber Security Certificate (Cyber)
 - Generative AI Courses (AI)
 - MS Excel Expert Certification from Microsoft (MBA)
 - POWER BI(MBA)

- Building Information Modelling
- NEBOSH (S&F)
- IOSH (S&F)
- Safety Training for Industrial Personals (S&F)
- Fusion 360 (ME)
- NDT (ME)

University Results

The aggregate UG results was 66.13% and aggregate PG results was 98.3% for the academic year (24-25).

Placement Statistics

B. Tech Placements (2024-25)

The highest salary offered was Rs.11, 00,000. The highest salary secured was Rs 9, 00,000. The average salary offered was Rs 3, 00,000. A total of 172 students were placed for the academic year 24-25.

MBA Placements (2024-25)

The highest salary offered was Rs.15, 00,000. The highest salary secured was Rs.6, 00,000. The average salary offered was Rs. 4, 26,000. A total of 67% of the students were placed for the academic year 24-25.

Item No. GB 12 (03) Additional Activities to be planned to align with Sustainable Development Goals

Toc H Institute of Science and Technology (TIST) recognizes the **17 United Nations Sustainable Development Goals (SDGs)** as a comprehensive framework for achieving sustainable development through balanced economic growth, social inclusion, and environmental protection.

These goals include **SDG 1: No Poverty, SDG 2: Zero Hunger, SDG 3: Good Health and Well-being, SDG 4: Quality Education, SDG 5: Gender Equality, SDG 6: Clean Water and Sanitation, SDG 7: Affordable and Clean Energy, SDG 8: Decent Work and Economic Growth, SDG 9: Industry, Innovation and Infrastructure, SDG 10: Reduced Inequalities, SDG 11: Sustainable Cities and Communities, SDG 12: Responsible Consumption and Production, SDG 13: Climate Action, SDG 14: Life Below Water, SDG 15: Life on Land, SDG 16: Peace, Justice and Strong Institutions, and SDG 17: Partnerships for the Goals.**

At the institutional level, TIST has strategically aligned its major sustainability initiatives with **SDG 4: Quality Education, SDG 6: Clean Water and Sanitation, SDG 7: Affordable and Clean Energy, and SDG 12: Responsible Consumption and Production.** The institution should promote quality education through experiential learning, multidisciplinary projects, and inclusive academic support systems. TIST should encourage advances in sustainable water management through rainwater harvesting, water conservation, and wastewater treatment practices.

Also, Toc H may encourage the adoption of clean and renewable energy through solar power generation and energy-efficient technologies. Initiatives are to be made in Toc H to promote responsible consumption through waste management, recycling, green innovations, and sustainable resource utilization. These integrated initiatives will demonstrate TIST's commitment in contributing meaningfully to the achievement of the SDGs. Separate allocations for SDGs on the budget is advised.

Item No. GB 12 (04) Change in NBA Norms

Each department should show a continuous improvement over the years and can figure out a mechanism to do it. More importance to be given for faculty contribution and improvement. Faculty members are to be encouraged to do Faculty Development programmes, MOOC Courses, write research papers, pursuing research, patents publishing etc.

The new sections added in the Revised SAR are as follows: -

Faculty Information and Contributions

- Memberships in Profession Societies at National/International levels (05)
- Faculty as Resource Persons in STTPs/FDPs (05)
- Faculty Certification of MOOCs through SWAYAM, etc (10)
- FDP/STTP organised by the department (10)
- Faculty Support in Student Innovative Projects (10)
- Faculty Internships/ Training/Collaboration with Industry (10)
- Institution Seed Money or Internal Research Grant to its Faculty for Research work (05)

With the revised marking scheme, the total marks have been increased to 220, and 55 marks are introduced under new sections.

Sustainable Development Goals (SDGs)

A total of 30 marks has been introduced for SDG related activities in the new SAR.

Laboratories and Technical Manpower

Marks has been increased from 30 to 50 for Laboratories and technical manpower related activities.

Success rate and placements

In the revised SAR, the denominator for calculating the success rate and placement rate is the sanctioned intake.

Item No. GB 12 (05) Actions for improving Research and Consultancy

Research is central to the mission of colleges and universities. It deepens faculty expertise and contributes to the advancement of knowledge across disciplines, which enriches learning and teaching. All the initiatives are to be made by TIST to get funded projects. Approaches for procuring good internships with companies are to be made and projects from NPOL could be taken up to improve the research. It is advised that TIST should promote start-ups and develop projects for NPOL ((Naval Physical and Oceanographic Laboratory), DRDO (The Defence Research and Development Organisation), Cochin Shipyard etc. It is proposed that

TIST could collaborate for joint projects and consultancy with Aptive Connection Systems Pvt Ltd.

Item No. GB 12 (06) Steps to increase Innovations and Start-Ups

Colleges are fertile grounds for innovation and entrepreneurship. TocH should support students and make them industry ready. Initiatives are to be made to convert every project/product into a saleable product. TocH can conduct BMS (Battery Management System). Training could be provided to students on developing their coding skills and Generative AI skills. Innovative papers and projects are to be encouraged by TIST. It was proposed to form a tie up between Toc H and IIT Hyderabad in Battery Management area.

Item No. GB 12 (07) Suggestions for setting up Industry Sponsored Lab

Labs transform theory into tangible experience and prepare students for the real-world challenges they'll face as professionals. One of the labs at Toc H should be sponsored by Bharat Petroleum Corporation Limited (BPCL). Initiatives are to be made regarding this. Moreover, Toc H should aim towards getting the CSR amount from various companies to set up the TBIs. Corporate Social Responsibility funds of companies can support a wide range of initiatives across education, health, skill development, environment sustainability, and community development

Automation is prominent in factories. Henceforth, the scope of automation is very high and Toc H must focus more funds into making the students technology ready. It is advisable to appoint a "Professor in Practice" in Toc H wherein, he/she should take all the liaisoning activities with industry and research organisations. He/she should be an MTech with industry exposure, who is able to manage different levels of industry and will act as a bridge between departments and other companies. This "Professor in Practice" should have enough experience of industry and possess good communication skills. It is proposed to set up an Industry supported lab for Safety and Fire Engineering Department in collaboration with BPCL.

Item No. GB 12 (08) Any other matter of concern by the Chairman

Placements play a vital role in colleges and significantly contribute to students' academic and professional journeys. Placements are to be focussed and the median salary is to be monitored rather than the average salary secured by the candidates.

The meeting ended with Dr. Preethi Thekkath, Principal summing up the points of the meeting and encouraged respective HODs to take up the initiatives proposed in the meeting. The Vote of Thanks was proposed by Dr. Tessla Arakal, Associate Professor, Department of Management Studies.

Prepared by: Dr. Tessla Arakal
Associate Professor
Department of Management Studies

Prof (Dr.) Preethi Thekkath
Principal
Toc H Institute of Science and Technology

