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Annual Report (2024-25)
of
IEDC Cell STIST

Faculty In charge: Dr.ANJU S

Innovation & Entrepreneurship Development Centre (IEDC) cell

**INNOVATION AND
ENTREPRENEURSHIP
DEVELOPMENT CENTRE**

PRINCIPAL
ST THOMAS INSTITUTE FOR
SCIENCE AND TECHNOLOGY

Date: 24/6/2024- 28/6/2024	Event/Activity1: 40 Hour Boot camp on Drone/UAS Technologies Learning by doing	Venue: CET

IEDC Cell of STIST, in collaboration with NIT Calicut, successfully organized a 40-hour bootcamp on Drone/UAS technologies at the College of Engineering Trivandrum from June 24, 2024, to June 28, 2024. As part of MeitY's sponsored project "Capacity Building for Human Resource Development in Unmanned Aircraft System and Drone-related Technology," the Department of Mechanical Engineering at NITC conducted this workshop in collaboration with prominent engineering institutes in Kerala. The bootcamp aimed to enhance skill development and knowledge acquisition in Drone/UAS technologies through a comprehensive 40-hour, 5-day program.

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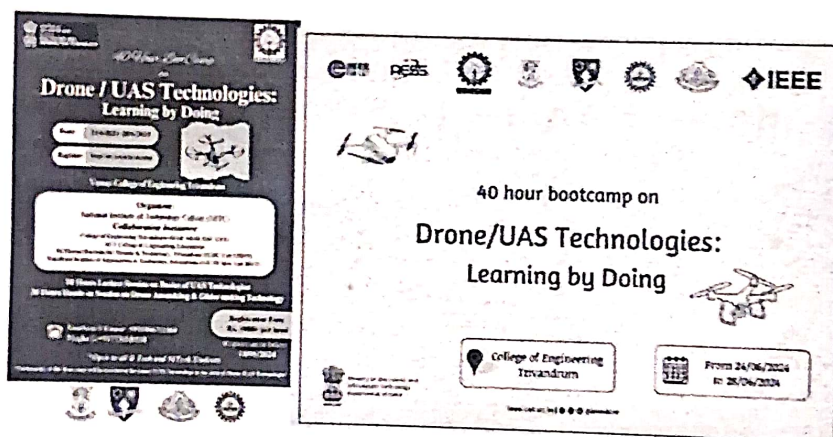
Date: 1/7/2024-3/7/2024	Event/Activity 2: 3 Day Tech Elevate	Venue: Seminar Hall

TechElevate 2024 was a landmark event hosted at St. Thomas Institute for Science & Technology, Thiruvananthapuram, from July 1-3, 2024. This three-day event was designed to provide students and tech enthusiasts with cutting-edge skills in App Development, AI & Machine Learning, IoT & Robotics, and Entrepreneurship.
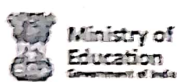
The event aimed to bridge the gap between theoretical knowledge and practical application, offering hands-on workshops, real-world projects, and networking opportunities. With an impressive lineup of expert speakers, industry collaborations, and enthusiastic participants, TechElevate 2024 was a resounding success.
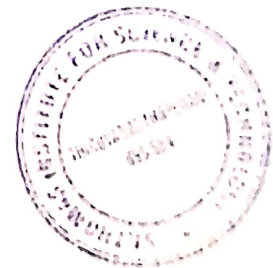
Date: 31/8/2024	Event/Activity 3: Smart India Hackathon Prelims	Venue: Seminar Hall

Smart India Hackathon (SIH) is a premier nationwide initiative designed to engage students in solving some of the most pressing challenges faced in everyday life. Launched to foster a culture of innovation and practical problem-solving, SIH provides a dynamic platform for students to develop and showcase their creative solutions to real-world problems. By encouraging participants to think critically and innovatively, the hackathon aims to bridge the gap between academic knowledge and practical application.

Prelims of SIH organized by IEDC Cell STIST

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Date: 2/9/2024	Event/Activity 4: Expert Talk: "Creating Entrepreneurship Ecosystem in Colleges"	Venue: Smart Class room

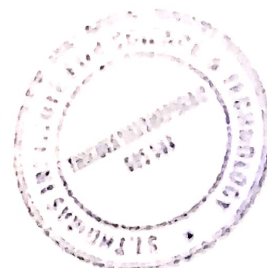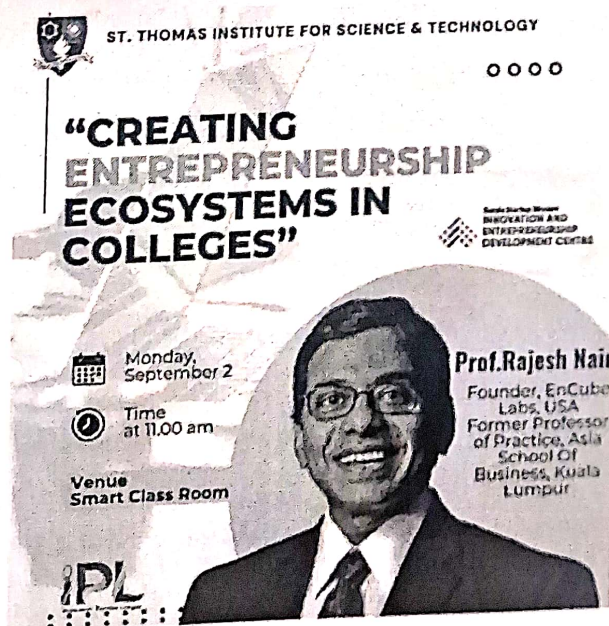:The Innovation and Entrepreneurship Development Centre (IEDC) Cell at St. Thomas Institute for Science & Technology, Trivandrum, successfully organized an expert talk on "Creating Entrepreneurship Ecosystem in Colleges" on September 2, 2024. The session featured Dr. Rajesh Nair, Professor at MIT, as the distinguished resource person, who shared his expertise on fostering innovation and entrepreneurship within academic institutions.

Dr. Nair emphasized the significance of developing a robust entrepreneurial culture in colleges, highlighting key aspects such as:

- Encouraging student-led startups and innovation
- The role of mentorship and institutional support in entrepreneurship
- Industry-academia collaboration for startup growth
- Overcoming challenges in the entrepreneurial journey

The session was highly interactive, with students, budding entrepreneurs, and faculty members engaging in discussions and seeking guidance on startup incubation, funding opportunities, and networking strategies. Dr. Nair's insights and real-world experiences provided invaluable learning for attendees.

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Date: 11/9/2024	Event/Activity 5: IEDC Orientation to first year students 2024-25	Venue: Seminar Hall

The Innovation and Entrepreneurship Development Centre (IEDC) at St Thomas Institute for Science &Technology, Trivandrum organized an orientation program for the newly admitted first-year students of the 2024–25 batch. The objective of the session was to introduce students to the goals, activities, and opportunities provided by IEDC, and to foster an early interest in innovation and entrepreneurship.

The event began with a welcome address by Dravid R Krishna followed by an introduction to IEDC's vision and mission by the Nodal Officer, Dr Anju S. A detailed presentation on the functioning and achievements of the IEDC was delivered by student leads Aryan and Karthik. They shared insights into the centre's activities during the previous academic year, including participation in state-level events, project development, and startup support initiatives.

The orientation also covered upcoming opportunities such as workshops, ideation camps, startup exposure visits, and competitions supported by the Kerala Startup Mission (KSUM). The interactive session concluded with a Q&A, where students expressed interest in taking part in future IEDC programs.

To make the session more interactive and fun, a "Gibberish Game" was also conducted, which saw enthusiastic participation from the students. The game served as an icebreaker And added a lively element to the session, helping foster team spirit and creativity among the newcomers.

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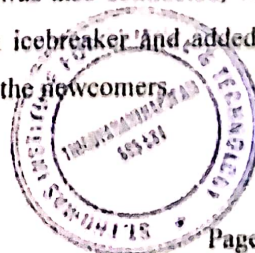
The orientation served as a motivating platform to onboard the new batch of students into the IEDC ecosystem and to encourage them to become active contributors to a culture of innovation and entrepreneurship.
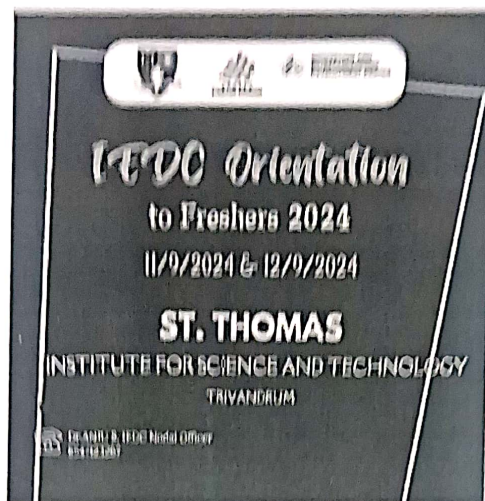

Date: 7/2/2025	Event/Activity 6: Startup Bootcamp	Venue: IEDC room

The Startup Bootcamp commenced with an engaging introduction by Raishna, who hosted the program. The session was officially initiated by Sagara Miss, who facilitated the presence of the esteemed speaker, Mr. Santhosh V Pillai.

To honor his presence and contributions, our principal, Dr. A G Mathew, presented him with a memento. The principal also delivered an insightful speech about the IEDC cell, highlighting the achievements of students under its initiatives. This program was made possible through the support and guidance of Dr. Anju S, the Nodal Officer of the IEDC Cell, whose efforts played a crucial role in its successful execution
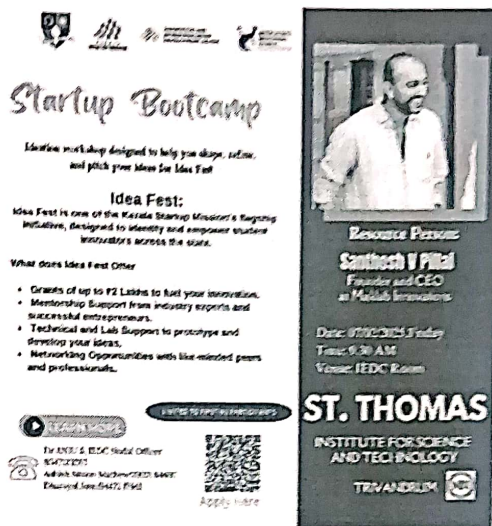
Following this, Sharon from S4 CSE delivered the vote of thanks, expressing gratitude to the speaker and organizers.
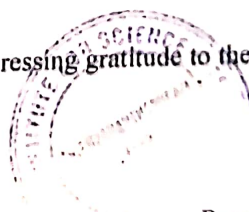
Session Highlights

The bootcamp kicked off with an interactive icebreaker game called *Human Bingo* based on the theme of entrepreneurship. This engaging activity set a lively tone for the session.

Mr. Santhosh V Pillai then delved into various key aspects of engineering, entrepreneurship, and technology. The following were the key topics covered:

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Date: 6/3/2025-8/3/2025	Event/Activity 7: Game-A Thon 25	Venue: Open Space

Game-A-Thon was a gaming event organized by IEDC Cell of STIST. The event included 6 tech events. RC Soccer, RC Escape the room, Cyclone game, Buzz wire game and Memory game, Robo War. The games was live on the three days of YUKTHI TECH FEST 2025.

Time Limit/Chances for each game:

RC Soccers: 4 minutes

RC Escape the Room: 3 minutes

Cyclone Game: 3 chances

Wire Buzz Game: 2 minutes

Memory Game: 3 chances

- Players were added with points as follows on winning individual games.

RC Soccers: 500

RC Escape the Room: 500

Cyclone Game: 300

Wire Buzz Game: 300

Memory Game: 300

- Points will be accumulated after winning each game. Final winner was the player who got the highest point.

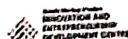A virtual leader board is maintained throughout the game.

The event ended on 8/3/2025.

GAME-A-THON
WINNERS

UNIQUE ID	NAME	POINTS
GT-091	kARTHIK	6400
GT 031	AKTHAR	4800
GT-071	FIDHA (Platform Fitness)	3700

The team discussed about the servo motor connection with Arduino.

Date: 21/3/2025	Event/Activity 8: APJKTU STARTUP CELL IDEA PITCHING COMPETITION	Venue: IEDC ROOM

Successfully loaded and drove a servo motor using Arduino.

Organized **by:**

St. Thomas Institute for Science and Technology Innovation and Entrepreneurship Development Centre (IEDC)

In association with Institution's Innovation Council (IIC) and Kerala Startup Mission (KSUM)

Date: 21st March 2025

Venue: IEDC Room

As part of the initiatives to foster innovation and entrepreneurial spirit among students, the IEDC of St. Thomas Institute for Science and Technology organized the **APJKTU StartupCell Idea Pitching Competition** on **21st March 2025**. This event was held at the IEDC Room on campus and targeted 1st and 2nd-year students from various departments.

The primary objective of the event was to encourage young innovators to present their startup ideas and receive constructive feedback from an expert panel. Teams consisting of 2 to 4 members participated enthusiastically, showcasing ideas across diverse domains such as technology, sustainability, healthcare, and social innovation.

The competition was structured at the **college level**, and winning teams were selected based on creativity, feasibility, innovation, and potential impact of their ideas. These selected teams will be nominated to participate at the **state level**, where they stand a chance to receive a **funding opportunity of up to □2 Lakhs** from the **KTU StartupCell**.

This initiative is part of a broader strategy by the APJ Abdul Kalam Technological University (KTU) to instill a culture of innovation and support student-led startups across Kerala.
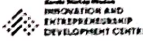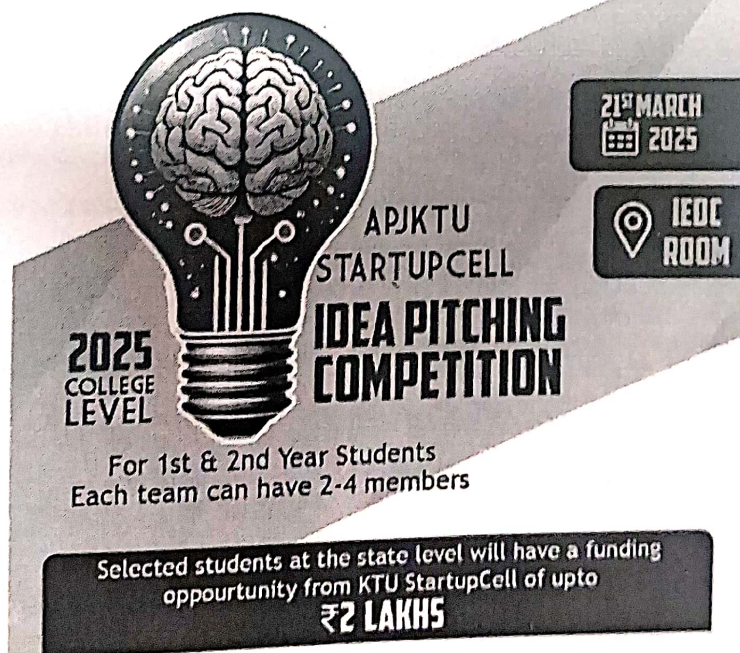
Highlights:

- Open to 1st and 2nd-year students
- Teams of 2–4 members
- College-level selection leading to state-level opportunity
- Potential funding support of ☐2 Lakhs for selected startups

The event successfully identified promising ideas and sparked entrepreneurial enthusiasm among the participants, laying the foundation for a thriving startup culture in the institution.

The KTU IEDC Idea Pitching Competition 2025- College Level Winners		
	Title of the Idea	Team Leader Name
First Position	Personalized AI Partner for Mental Well-Being: A Scalable and Adaptive Solution for Emotional Support and Resilience Building	Mark Alexander Varghese
Second Position	CUSTOMO ROBOs	Abhayadev S L

St Thomas Institute For Science And Technology

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Date: 1/4/2025	Event/Activity 9: Design Engineering Exhibition	Venue: IEDC room

Organized by:

St. Thomas Institute for Science and Technology, Trivandrum

In association with:

- Innovation and Entrepreneurship Development Centre (IEDC)

- Institution's Innovation Council (IIC)

Date: 1st April 2025

Time: 1:30 PM – 3:30 PM

Venue: Reception Area

The **Design & Engineering Exhibition 2025**, organized by the **S4 students** of St. Thomas Institute for Science and Technology, showcased innovative design projects and technical creativity of second-year engineering students. The event, held on **April 1st, 2025, from 1:30 PM to 3:30 PM** at the **Reception Area**, was a platform for young minds to demonstrate the application of engineering principles in solving real-world problems.

The exhibition featured a variety of models and prototypes developed as part of the **Design and Engineering** curriculum, reflecting interdisciplinary collaboration, problem-solving ability, and innovation. The projects covered areas such as automation, sustainable solutions, electronics, civil structures, and IoT-based systems.

Objectives of the Exhibition:

- To encourage creative thinking and hands-on learning.

- To provide a platform for students to showcase innovative design concepts.

- To enhance presentation and communication skills through live demonstrations.

- To align student projects with industry-relevant problem statements.

Highlights:

- Projects displayed by S4 (second-year) engineering students from various departments.

- Evaluation by faculty members and external guests.

- Enthusiastic participation from students, faculty, and industry visitors.
- QR code-enabled registration for streamlined visitor access.

The event was well-received and appreciated for its organization and the quality of student work. It emphasized the institution's commitment to promoting innovation and practical learning through structured academic initiatives.

The team discussed about the digital read and digital write functions Arduino.

Date: 21/4/2025 &22/4/2025	Event/Activity 10: Entrepreneurship Idea competition	Venue: Open Space

Organized by:
St. Thomas Institute for Science and Technology, Trivandrum
In association with:

- Innovation and Entrepreneurship Development Centre (IEDC)

To ignite entrepreneurial thinking at an early stage in engineering education, the Innovation and Entrepreneurship Development Centre (IEDC) at St. Thomas Institute for Science and Technology conducted an **Entrepreneurship Idea Competition and Exhibition** exclusively for **first-year students** on **21/4/2025 and 22/4/2025**
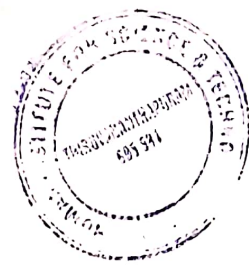
Held at the **Reception Area** from **9:00 AM to5:30 PM**, the event provided a platform for freshers to present innovative solutions to real-world problems through product ideas, services, or business models.
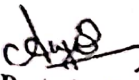
Conclusion:

200 students have joined IEDC Cell in the academic year 2024-25.

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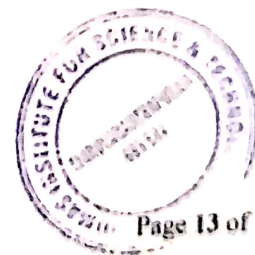
IEDC Cell successfully organized and completed the programs in well manner. All the financial details have been recorded in the IEDC Fund Register and internal audit for the same has been completed on 7/5/2025.

Prepared by	Verified by	Approved by
Dr.Anju S IEDC Nodal Officer	Dr. Geenu Paul, HOD ECE	Dr A G Mathew Principal