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## **Activities of Entrepreneurship Development Cell (EDC) of NSS College of Engineering, Palakkad (2024-2025)**

The Entrepreneurship Development Cell (EDC) at NSSCE was established to inspire and cultivate entrepreneurial skills among students. Operating under the motto "*BE YOUR OWN BOSS*," it has become one of the leading EDCs in the state, fostering an entrepreneurial mindset and a culture of innovation.

Over the years, EDC has organized various activities, attracting enthusiastic participation from NSSCE students and peers from other institutions. These include entrepreneurship workshops, idea-generation competitions, business plan contests, case studies, business quizzes, and discussions on social entrepreneurship. As a result, thirteen student-led companies have emerged, with seven registered under Technological Business Incubators (TBIs) and District Industries Centres (DICs), while six others are in the pre-registration stage. NSSCE is also working towards establishing a Technical Business Incubator (TBI) on campus to provide structured support for student startups.

A major milestone was achieved on February 10, 2015, when NSSCE was recognized as an Innovation and Entrepreneurship Development Centre (IEDC) by the Technopark Technology Business Incubator (T-TBI). This enables the institution to promote innovation, incubation, and entrepreneurship while linking promising ideas with Technopark TBI for further support under the Department of Scientific and Industrial Research (DSIR), Government of India. This recognition strengthens NSSCE's path toward TBI accreditation under the Department of Science and Technology (DST) and the National Science and Technology Entrepreneurship Development Board, reinforcing its commitment to entrepreneurial excellence.

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## 1. Codesprint – Jumpstart your code

The CodeSprint session, organized by TinkerHub NSSCE in collaboration with TechHub and IEDC NSSCE, was an interactive workshop aimed at improving coding and problem-solving skills. Led by Dilshad Mohammed (S5 CSE), the session introduced participants to competitive programming techniques, efficient coding practices, and real-world problem-solving strategies.

The event successfully provided students with hands-on experience, fostering critical thinking and collaboration. With enthusiastic participation and positive feedback, CodeSprint proved to be a valuable learning experience, inspiring students to further explore the world of programming.

**Date:** 03-09-2025

**Time:** 4:15 PM

**Venue:** IoT Hall, NSSCE



## 2. Frontend 101

The Frontend 101 session, organized by TinkerHub NSSCE in collaboration with TechHub and IEDC NSSCE, was an insightful workshop focused on web development fundamentals. Led by Noel Tom Santhosh (S5 CSE), the session introduced participants to the basics of HTML, CSS, and JavaScript, helping them take their first steps in building a website.

The event provided hands-on experience, allowing attendees to understand frontend development concepts and create simple web pages. With active participation and positive feedback, the session proved to be a valuable learning opportunity for students interested in web development.

**Date:** 1st October 2025

**Time:** 4:00 PM

**Venue:** NSSCE



### 3. Javascript Basics

The "JavaScript Basics: Script Your Success" session, organized by TinkerHub NSSCE and iEDC NSSCE, introduced students to the fundamentals of JavaScript. The interactive workshop covered essential concepts such as variables, loops, functions, operators, and DOM manipulation, with hands-on exercises to enhance learning. The session provided practical exposure to web development, helping participants understand how JavaScript adds interactivity and functionality to websites.

Enthusiastic participation from students made the session engaging and insightful, with real-time coding challenges encouraging active learning. The event was a great success, sparking interest in JavaScript and motivating students to explore advanced frameworks. Special thanks to the organizers and the speaker for delivering an impactful session.

Date: 9th October 2024

Time: 4:00 PM - 5:30 PM

Venue: Skill Development Cell



## 4. Easy EDA

The "EasyEDA: Simplify Electronics, Amplify Innovation!" session, organized by TinkerHub NSSCE and iEDC NSSCE, introduced participants to the fundamentals of EasyEDA, a powerful tool for circuit design and PCB layout. The session provided insights into how EasyEDA simplifies electronics development for both professionals and beginners. Through hands-on demonstrations, attendees learned how to design, simulate, and visualize circuits efficiently, making the session highly interactive and engaging.

Participants actively explored various features of EasyEDA, including schematic capture, PCB layout design, and real-time simulation. The event successfully enhanced their understanding of modern electronic design tools, fostering innovation and creativity in circuit development. Special thanks to the organizers and the speaker for delivering an insightful session that empowered students with practical skills in electronics design.

Date: 30th October 2024

Time: 4:30 PM - 5:30 PM

Venue: Skill Development Cell



## 5. Hack-It-Clean Ice Breaking Session

The Hack-it-Clean ice-breaking session, organized by the *Innovation and Entrepreneurship Development Cell (IEDC)*, *Billionlives Pvt. Ltd.*, and the *Department of Instrumentation and Control Engineering*, gathered 25 participants for an engaging experience. The session began with expert talks on **innovation and entrepreneurship**, followed by interactive activities such as the *Customer vs. CEO game*, where participants practiced pitching and persuasion skills, and the *story continuation game*, which encouraged creativity and teamwork.

The final activity challenged participants to brainstorm innovative product ideas and present them using charts and pitches. This exercise promoted out-of-the-box thinking and problem-solving skills. The session successfully fostered team bonding, improved idea presentation, and boosted confidence for the upcoming hackathon.

Date: 17th December 2024

Time: 4:00pm -6:00 pm

Venue: Auditorium





## 6. Unfiltered Session 1

The Unfiltered session, organized by IEDC NSSCE in collaboration with TinkerHub NSSCE, provided a platform for open discussions, idea sharing, and networking. The event featured interactive activities and engaging conversations on technology, innovation, and personal growth, creating a relaxed and lively atmosphere.

The session successfully fostered meaningful connections among participants, encouraging collaboration and knowledge exchange. The enthusiastic participation and positive feedback highlighted the event's impact, strengthening community engagement and inspiring future initiatives.

**Date:** 24th January 2025

**Time:** 1:00 PM

**Venue:** IoT Lab





## 7. Unfiltered Session 2

IEDC NSSCE, in collaboration with TinkerHub NSSCE, organized an interactive session to foster conversations and networking among students and entrepreneurs. The event featured an idea pitching competition and activities like the Startup Name Generator, focusing on branding, digital presence, and startup pitching. Around 20 participants actively engaged in discussions and brainstorming. The session successfully encouraged collaboration and entrepreneurial thinking, paving the way for future opportunities in the startup ecosystem.

**Date:** 31th January 2025

**Time:** 1 PM - 2 PM

**Venue:** IoT Lab



## 8. Hack-It-Clean Final Review

Hack-it-Clean was an interdisciplinary hackathon fostering innovation and entrepreneurship Organized by the Innovation and Entrepreneurship Development Cell (IEDC) in collaboration with Billionlives Pvt. Ltd. and the Department of Instrumentation and Control Engineering, Participants collaborated to design an automated, eco-friendly laundry machine for hostels, optimizing energy and water consumption while enhancing efficiency. The hackathon included three stages: Idea Abstract Submission for concept proposals, Software Development for UI and automation, and Hardware Modeling for functional prototyping, refining ideas into tangible solutions.

Guest Speakers and Judges:

- John Santhosh – Founder, Mentor, Billion Lives
- Sanjay Varma – Founder, CTO, Billion Lives
- Suresh R – Vice President & Head of Service Sales, Hitachi Energy India
- Santhosh Jayaram – Sustainability Advisor, HCL Tech
- Viio K Mathew – Business Consultant
- Dr. Vinod V – Professor & HOD, Mechanical Engineering
- Prof. Nikhil Binoy C – Assistant Professor, Instrumentation and Control Engineering

Winning Teams:

1st Prize: Team Mavericks

- Karthikeyan M
- Ahalya C S
- Anirudhan M

2nd Prize: Team Alron Masters

- Sana VK
- Vishnu Prasad
- M B Athul
- Lakshmi M G

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- Navajyoth

#### Whirlpool Factory Visit:

As a special opportunity, ten outstanding participants were selected to visit the Whirlpool factory to gain insights into real-world industrial applications of automated laundry systems. The selected students were:

- Navajyoth (S5 EEE B)
- Lakshmi M G (S5 EEE B)
- Jovel Thomas (S5 ICE)
- Amritha P V (S5 ICE)
- Anirudhan M (S7 ICE)
- Ahalya C S (S7 ICE)
- Akshay C (S5 ICE)
- Sathyajith Narayanar (S5 ME)
- Renith P R (S7 EEE B)
- Kaladharan Lal (S3 EEE B)



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## 9. APJAKTU STARTUP CELL IDEA PITCHING COMPETITION 2025



An idea pitching competition was conducted for first years and second years. 2 teams were short listed by the EDC panel and were recommended for KTU Startup cell. Two groups from S4 IC and S2 CSE were qualified for university level pitching competition



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## **STARTUPS INCUBATED AT NSSCE (2024-25)**

1. EASYREST- HADI BACKER, VISHNU MADHAV CSE
2. INTLINE SOLUTIONS – ABHINAND P K (MTECH- MECH)
3. MELOHER-ADRASH, SHANTANU GHOSH S6 IC