



INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CELL

Approved by Kerala Startup Mission (KSUM)

College of Engineering Pathanapuram

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REPORT ON TINK-HER-HACK 4.0 HACKATHON

1. Event Overview

- ❖ **Date:** February 20–21, 2026
- ❖ **Location:** SDPK Hall, College of Engineering Pathanapuram (PEC)
- ❖ **Duration:** 20 Hours (Overnight)
- ❖ **Presented by:** TinkerHub Foundation
- ❖ **Organized by:** Innovation and Entrepreneurship Development Cell (IEDC-PEC)
- ❖ **In Association with:**
 - IEEE Student Branch (IEEE SB-PEC)
 - IEEE Women in Engineering (IEEE WIE-PEC)
 - µLearn-PEC
 - Institution's Innovation Council (IiC)

2. About the Event

Tink-Her-Hack 4.0 is a flagship initiative by the **TinkerHub Foundation**, recognized as the world's largest women-centric hackathon. The event provides a safe, judgment-free space for women to build technology, focusing on a "learning by doing" philosophy. The PEC edition brought together aspiring women innovators to solve real-world problems through software and hardware prototyping over a continuous 20-hour period.

3. Mentorship and Inspection Panel

The event was supported by a dedicated panel of internal and external experts:

- **External Technical Mentor:** Mr. Sabari (Rajiv Gandhi Institute of Technology - RIT, Kottayam)
- **Internal Technical Mentor:** Mr. Adithyan S (College of Engineering Pathanapuram)
- **External Inspection Team:** Ms. Femina and Ms. Joan (TinkerSpace, Kochi)

4. Comprehensive Event Schedule

DAY 1: Friday, 20th February 2026

Time	Activity	Description
03:00 PM	Student Reporting	Hall entry and preliminary setup.
03:30 PM	Registration	Verification and kit distribution.
04:00 PM	Check-in	Official workspace entry for participants.
04:30 PM	Team Division	Finalizing clusters (Ideal ratio 10:1).
05:00 PM	Official Inauguration	Host Introduction & Administration Felicitation.
05:30 PM	Orientation	Insights into TinkerHub, Guidelines, and Evaluation Criteria.
05:45 PM	MnE Survey 1	Initial Monitoring and Evaluation survey.
05:55 PM	Mentor Presentation	Technical briefing on Software/Hardware & Documentation.
06:20 PM	Cluster Mentorship	Flowchart building and problem-solution mapping.
06:30 PM	Hackathon Starts	Official Start of the 20-hour Build.
08:00 PM	Dinner Break	Networking and informal interaction.
10:30 PM	Check-in 1	15% Completion audit & design review.
11:00 PM	Overnight Build	Intensive prototyping and coding phase begins.

DAY 2: Saturday, 21st February 2026

Time	Activity	Description
01:00 AM	Discord Engagement	Virtual community interaction activity.
05:30 AM	Check-in 2	75% Completion audit & technical troubleshooting.
07:30 AM	Breakfast	Refreshment break.
10:00 AM	Project Submission	Final code/hardware upload to the official repository.
10:30 AM	Presentation	Technical evaluation by Mentors (Sabari & Adithyan S).
11:15 AM	Documentary	Screening of event footage and final MnE survey.
11:30 AM	Results	Recognition of outstanding innovations.
11:35 AM	Awards Ceremony	Cash Prizes given by Prof. Thulaseedharan R (Principal i/c).
11:45 AM	Vote of Thanks	Formal expression of gratitude to mentors and partners.
11:55 AM	Hard Close	Final group photo session and hall cleanup.

5. Participant Details

The hackathon saw active participation from **14 teams**, comprising **28 students** from various departments. The teams worked on diverse technical solutions as follows:

Team No.	Team Name	Members
1	CodeNova	Anuja R, Vishnupriya C
2	InnovateX	Pavithra S, Gauri S Nair
3	Velora	Gauri C N, Nandana B
4	Logic loom	Devika P, Anusree T
5	Shethinks	Jasna NK, Devika Ronald
6	Hacktide	Devina Devanand, Sanjana S
7	Nexa	Pavithra C S, Brightleen PR
8	Tech Girls	Gowri Sudhier, J Sreya Krishna

Team No.	Team Name	Members
9	Rise	Aleena Mariya John, Aiswarya G
10	Nexa	Ayin Susan Sinol, Alisha S A
11	Nexus	Ajmala Nasri, Niranjana V P
12	FutureForge	Vibha G, Anna Mariyam Prasad
13	Edge	Daya Krishnan, Sreya S
14	Hack Sparks	Asiya A, Haleema H

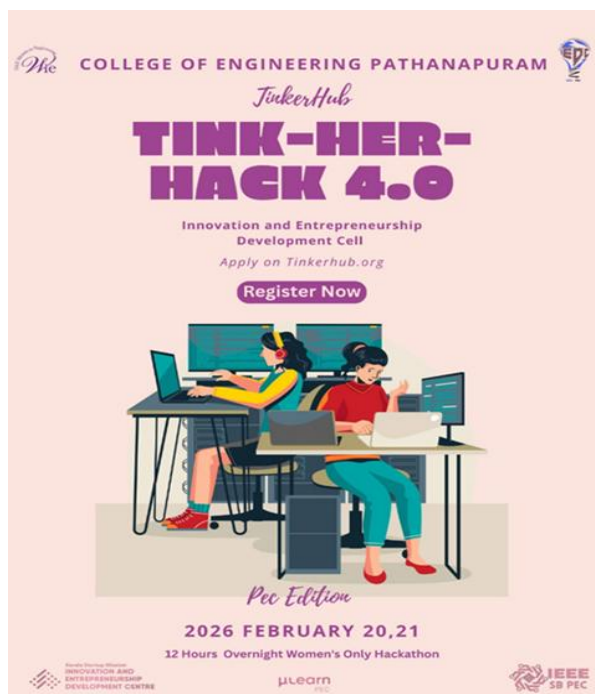
6. Impact and Participation

The hackathon successfully engaged 28 female students across 14 teams, many of whom were participating in their first-ever technical build. By providing access to industry-standard mentorship and a structured timeline, participants moved from the ideation phase to creating functional prototypes. The event successfully boosted technical confidence and fostered a spirit of collaborative innovation within the campus.

7. Acknowledgments

The successful execution of Tink-Her-Hack 4.0 was made possible through the support of our Principal in-charge, **Prof. Thulaseedharan R**, and our SPOC, **Mr. Sreesh P S**. We extend our gratitude to our technical mentors, **Mr. Sabari** and **Mr. Adithyan S**, and the team from TinkerSpace, **Ms. Femina** and **Ms. Joan**, for their invaluable guidance. **We also acknowledge the essential support of the faculty members and the dedicated efforts of the student volunteer team. Finally, we recognize the hard work of all participants who made this event a success.**

8. Event Documentation & Visual Highlights



Event Outreach and Registration: The official promotional poster used to facilitate student registration and provide essential program guidelines to the participants.



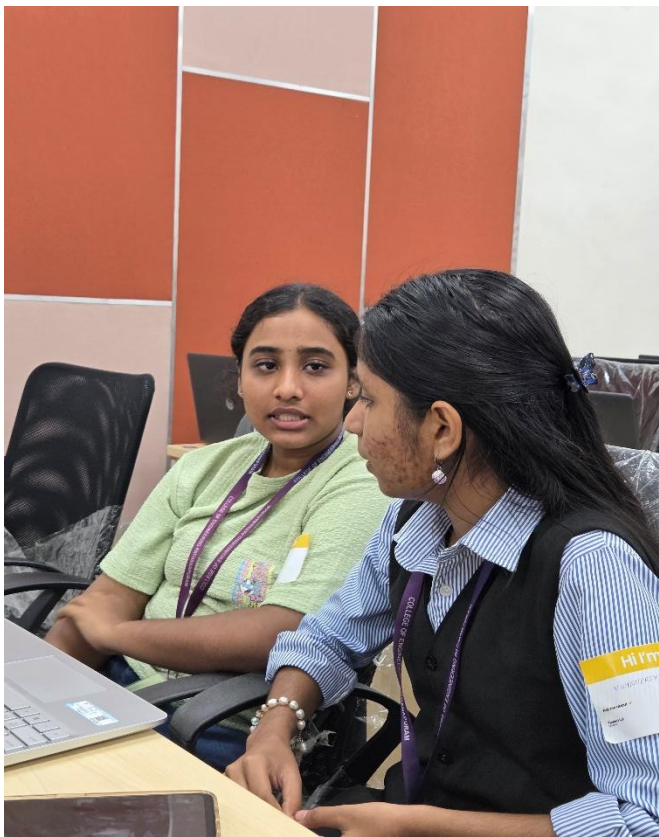
Collaborative Build Session: Mentors and volunteers working closely with participants to provide technical guidance and logistical support throughout the 20-hour hackathon.



Networking & Refreshment Break: Participants and the organizing team during the scheduled dinner break, providing a vital opportunity for informal interaction and recharging before the overnight development phase.



Official Event Branding: Group photographs featuring participants and the organizing team with the Tink-Her-Hack 4.0 posters, documenting the successful collaboration and institutional support for the program.



Concluding Ceremony and Award Distribution: Highlights from the final session, including the prize distribution by Principal i/c Prof. Thulaseedharan R and a commemorative group photo of the event's successful completion.

9. Outcomes of the Event

Prototyping: Participants successfully developed functional software and hardware prototypes within the 20-hour timeframe.

Skill Development: Students gained hands-on experience in problem-solving, flowchart designing, and project documentation.

Collaborative Learning: The event fostered a teamwork culture, allowing beginners to learn from experienced mentors and peers.

Confidence Building: The "learning by doing" approach helped female students overcome technical hesitation and encouraged future participation.

10. Conclusion

The **Tink-Her-Hack 4.0** PEC Edition concluded as a major success, highlighted by the active support of **Prof. Thulaseedharan R (Principal i/c & HOD, ME Dept)**. The collaboration between **IEDC, IEEE, IIC, and µLearn** proved vital in managing the 20-hour logistics. This event has paved the way for more women-centric technical engagements, ensuring PEC remains a hub for inclusive innovation.