





REPORT: **Day 2 – Innovation Workshop**

Title: “From Idea to Impact – The Innovation Challenge”

 **Date:** Tuesday, 16th July 2025

 **Time:** 9:30 AM – 4:00 PM

 **Venue:** VMA Hall & T.B. Ninan Hall, Union Christian College, Aluva

Overview:

Day 2 of the Innovation Workshop marked the culmination of a vibrant two-day experiential learning journey, where students transitioned from ideation to impactful action. Titled **“From Idea to Impact – The Innovation Challenge”**, the event empowered student teams to develop, and pitch their innovative solutions to real-world problems, reinforcing critical thinking, teamwork, and communication skills.

This highly engaging session was attended by all 10 student teams formed on Day 1, comprising a total of 92 participants. The event was organized by **IEDC and the NCC 7K Girls Wing of Union Christian College**, in association with **UC College IQAC, IIC, ED Club, UAE Alumni Chapter, Department of Electronics and Computer Science, and Department of Economics**.

Session Highlights:

1 Understanding the Evaluation Criteria

The day began with a walkthrough of the **Evaluation Sheet**, helping students understand how their solutions would be assessed across key innovation metrics such as creativity, feasibility, social impact, teamwork, and presentation. This clarity ensured focused efforts and encouraged students to think critically about the value of their solutions.

2 Idea Canvas: From Thought to Plan

Teams worked collaboratively to complete the **Innovation Canvas**, a structured worksheet guiding them from raw ideas to actionable plans. This activity helped students organize their thoughts, define user needs, and clearly communicate their problem-solution approach.

3 Prototype / Skit Building

Each team creatively brought their ideas to life using **roleplays, mock demos, jingles, and poster presentation**, turning abstract concepts into tangible, engaging formats. This visual and performative element enabled students to effectively express their solutions and inspired creative confidence among participants.

4 Pitch Preparation

Students were guided through **pitch-building exercises**, learning how to deliver a concise and compelling **7-minute pitch**, followed by a **3-minute Q&A**. The session focused on developing structure, clarity, and public speaking confidence—skills essential for any aspiring innovator or entrepreneur.

5 Final Pitch Presentations

All 10 teams presented their final solutions in front of peers, mentors, and evaluators. The presentations were vibrant, well-structured, and backed by purpose-driven narratives. Each pitch was followed by constructive feedback from the judging panel, based on the evaluation sheet shared earlier.

Key problem themes addressed in the competition included:

1. Clean water and sanitation for all
2. Affordable, reliable, sustainable, and modern energy
3. Waste management – plastic, biowaste, e-waste
4. Traffic management
5. Educational tools using AI

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The solutions reflected originality, team synergy, and real-world relevance—truly aligning with the vision of building a **Viksit Bharat**.

6 Closing Circle & Reflections

The day concluded with a **Closing Circle**, where students shared their takeaways, growth experiences, and future aspirations. It was a moment of celebration, reflection, and appreciation for the effort and learning demonstrated over the two days.

Outcomes & Impact:

- Students experienced **hands-on innovation**, from idea generation to implementation.
- They gained skills in **teamwork, presentation, public speaking, and problem-solving**.
- The workshop fostered a **culture of design thinking and peer learning**.
- Participants left the session with a renewed sense of **confidence, creativity, and purpose**.



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1) Team 2 – First Prize Winners

🏆 **Project Title:** *Using Technology to Improve Public Transportation*



Abstract:

This project proposes a smart public transportation app designed to reduce traffic congestion and carbon emissions by encouraging efficient use of buses in urban areas. The solution integrates real-time bus tracking, QR-based ticketing, digital student concession cards made from recycled e-waste, and location-based crowd alerts. By promoting eco-conscious travel through features like CO₂ savings display and dynamic route mapping, the system aims to enhance commuter convenience while fostering sustainability. The innovation is scalable, impactful, and aligns with national goals for cleaner, smarter cities.

Team Members:

- *Ismathul Hajara C.S.* (Presentation)
- *Nandana K.S.* (Presentation & Chart)
- *Jumana Nasreen T.B.*
- *AnnMariya Jose*
- *Parvathi Rajan*
- *Krishnapriya K.P.*

2) Team 5 – **Second Prize Winners**

Project Title: *WASTO – A Smart Waste Management App*



Abstract:

WASTO is a mobile-based smart waste management solution designed to tackle India's growing solid waste crisis through a unified platform that integrates education, scheduling, and incentives. The app allows users to scan and segregate waste (wet, dry, sanitary, and e-waste), schedule pickups, earn rewards, and participate in community clean-up challenges. Key innovations include biodegradable composting powder, sanitary pouches, and waste education modules that drive long-term behavioral change. WASTO empowers individuals and communities to treat waste as a resource, promoting responsible habits and a cleaner environment.

Team Members:

- *Nikhil – PPT, App Design & Presentation*
- *Krishna*
- *Fathima*
- *Hrishi*
- *Gouri , & Allen, Malavika .*
- *Anjana*

3) Team 1 – **The Safety Squad**

📌 **Project Title:** *AI-Powered Road Safety Detection System*



Abstract:

This project introduces an **AI-powered traffic management system** designed to enhance road safety by detecting and reporting road damage using a blend of **AI, machine learning, IoT, and smart camera technology**. The system, mounted on moving vehicles, automatically identifies potholes, cracks, erosion, and faded markings through image analysis and GPS data. It aims to reduce accidents, enable faster repairs, and improve accountability through real-time reporting. Future enhancements include drone-based detection, integration with Google Maps, and predictive AI for proactive maintenance—making it highly relevant and scalable for Indian roads.

Team Members:

- | | |
|--------------------------------|-------------------------|
| • <i>Nakshatra Sajesh V.K.</i> | • <i>Sana K.S.</i> |
| Presentation | • <i>Nakshatra K.S.</i> |
| • <i>Nandhana Chandran</i> - | • <i>Malavika Shiji</i> |
| Presentation | • <i>Sethu P.S.</i> |

Acknowledgements:

The success of the event was made possible by the commitment and guidance of:

- **Ms. Reshma Ralgin** – Resource Person
- **Dr. Jibin Jose Mathew** – Nodal Officer, IEDC
- **Lt. Nino Baby** – NCC Officer, 7K Girls Wing

Their coordination, mentorship, and support throughout the event played a vital role in ensuring its smooth execution and learning impact.

The workshop successfully bridged the gap between **ideas and action**, igniting the spirit of innovation among students and laying the foundation for real-world problem-solving in the journey toward a **Viksit Bharat**.



Dr. Jibin Jose Mathew

Nodal officer – UCC IEDC

Dr. Mini Alice

Head of the Institution