



Issue #4

THE NEWS

IvE - Kenyatta University

Information session

On Friday, August 22nd, an exciting new chapter in medical technology education was unveiled during the first-ever info session on, MSc. Biomedical Engineering (Medical Device Innovation (MDI)) program.

In collaboration with the prestigious Rice University, this groundbreaking MSc Biomedical Engineering program is set to revolutionize how future medical leaders are trained.

Designed as an 18-Months immersive professional Master's program, the MDI offers students a unique opportunity to combine medicine, engineering, and business—all in one dynamic curriculum. Guided by real-world clinical immersion, students identify key pain points in healthcare, develop innovative prototypes, and deliver practical solutions ready for the medical technology market.

What sets this program apart? Every graduate leaves with a tangible prototype, prepared to either enter the booming medical tech industry or launch their very own startup. Alongside rigorous coursework, students benefit from industry seminars, expert mentorship, and hands-on access to state-of-the-art design studios for prototyping.

With a curriculum benchmarked against top American universities, including Rice University, the MDI program offers a blend of elective courses, core units, and vibrant outreach events—ensuring a comprehensive learning experience.

The inaugural cohort welcomes 15 ambitious students for an intensive 16-week semester, priced at \$2040 per semester for three semesters. Don't miss your chance to be part of this transformative journey.

Mark your calendars for upcoming info sessions on September 19th and October 9th. Tune in to discover how the MDI program can launch your career at the cutting edge of medical device innovation!

HIGHLIGHT!

MSc Biomedical Engineering (Medical Device Innovation)



Invention Education - Kenyatta University

Innovate | Convene | Create

For more details on the program

Starting
January 2026



MedTech Connect Series

Operating Instructions: Gather innovators, add expert facilitators, mix thoroughly with practical learning.

Warning: May cause sudden urges to file patents.

Episode 4

Piching for Impact

Six early-stage healthtech startups pitched their groundbreaking ideas to a panel of judges and venture capitalists, in a bid to accelerate innovation and tackle pressing healthcare challenges in East Africa. The startups—TherabotAI, UzimaNexus, Afya Dynamics, TKA, Luna Drones, and AeroPulse—took part in the “Are You Ready to Pitch Your HealthTech?” event, organized by MEDevice in collaboration with Invention Education Program and other key industry partners.

The pitching platform offered the entrepreneurs tailored feedback on business models, technical development, and intellectual property (IP) protection, alongside practical fundraising strategies to support their growth. “This event is about giving startups the right tools, mentorship, and exposure to move their ideas from concept to scalable solutions that can impact healthcare across the region,” said a MEDevice representative.

Industry stakeholders, including the Kenya Development Corporation, ViKtoria Ventures, and Futurize, were among the partners supporting the initiative.



Episode 5

AI Innovation in MedTech

The event highlighted how stakeholders in the healthcare, MedTech and A.I ecosystems can come together to improve the state of our healthcare systems.

Core objectives were to introduce and highlight the intersection between Healthcare, AI and MedTech, showcasing its current and future impact, engage and recruit students for the IVE program and to provide a platform for knowledge exchange among innovators, A.I experts, and healthcare specialists with the target audience being AI and Machine Learning specialists, MedTech innovators and health professionals, Tech corporates and venture capitalists.

Keynote speakers were Josephine Kaoniru, Legal Researcher, Strathmore University (Centre for Intellectual Property and Information Technology Law - CIPIT) who gave a grounding on the importance of people-first AI development, particularly in healthcare.

Dr. Michael Nzungi, Country Lead at Innovate UK Kenya, emphasized the pivotal role of enablers in de-risking early-stage innovations and strengthening ecosystems.

The session closed with a discussion on accountability, patient safety, and the evolving role of humans in the AI loop. All panelists agreed that collaboration, clear governance, and localization are essential for responsible AI deployment in healthcare.



Be sure to catch the next episode...

RICE 360 International Summer Interns

Rice360 Institute for Global Health Technologies interns travel each summer from their home country and spend 8 weeks at host institutions in South America, Africa, or the US. Students work in interdisciplinary, multi-institutional teams to design innovative global health solutions that account for both regional and resource constraints.

We had the privilege of hosting three interns: [Ellena Jeon](#), [Saumya Chauhan](#) and Jacey Denny. We integrated them into our activities, including the MDI Summer Program and arranged for interviews with clinicians and other players in the medtech ecosystem, giving them an opportunity to immerse themselves in the Kenyan healthcare ecosystem. They were able to experience cross-cultural collaboration, work on clinical projects and experience Kenya in all its beauty.

Blogs detailing their experience can be found here: [Reports from Kenya | Rice360 Institute for Global Health Technologies](#)

Partnership
Pulse Check

iSEED International Summer Interns

Developed at the OEDK(Oshman Engineering Design Kitchen) at Rice University, this program condenses essential design knowledge and hands-on experience into an intensive summer abroad. This year, Kenyatta University had the pleasure of hosting 4 students, 2 students from KU and 2 from Rice.

They attended a three-week summer camp where they did their needs finding, had a design review on the 2nd July and a showcase on 4th July at the School of Engineering, KU to present their findings after their clinical immersions. The event was graced by engineering students, IVE Team, a few members of staff, and Rice interns.

IVE at TAMC 2025

The Transforming African MedTech Conference (TAMC) 2025, held from 27th to 29th August at Shamba Events, Nairobi, brought together leading voices in healthcare innovation, industry, policy, and academia. The conference highlighted how Africa is shaping its MedTech future through collaboration, investment, and bold ideas.

Invention Education – Kenyatta University (IvE) was proud to participate as a partner, exhibitor, and contributor to this important platform. At our booth, we showcased two cornerstone initiatives: the Center for Design and Innovation in Engineering (CDIE) and the upcoming MSc in Biomedical Engineering – Medical Device Innovation (MDI) program, launching in January 2026. Both programs reflect IvE's commitment to equipping students and innovators with the skills and resources to design globally relevant healthcare solutions.

A highlight of the conference was the poster presentation competition, where IvE student innovator Linda June emerged as the winner of the Most Promising Startup Award. Linda presented Equimanage, an innovation designed to streamline Equipment management.

As we look ahead to 2026, IvE remains committed to supporting innovators like Linda June and building partnerships that transform ideas into real-world MedTech solutions



★ From Boston to Texas

Design Studio Manager, Stacy Awinja, recently completed a 3-week benchmarking trip to the United States, focusing on understanding the key elements that contribute to a thriving innovation ecosystem.

During her visit, Stacy spent time in Boston and in Texas, engaging with innovators, researchers, and sustainability experts. One of her primary goals was to explore sustainability approaches that could be applied to scaling the CDIE innovation hub effectively.



Key highlights of Stacy's visit included:

- Exploring makerspaces in MIT, Boston University and Boston College to understand their role in nurturing creativity and collaboration.
- Learning from Boston's innovation landscape and the policies supporting startups and tech ecosystems.
- Participating in in-depth discussions on sustainable innovation practices.
- Identifying practical approaches to strengthen and scale the CDIE's operations from other makerspace managers during the Student-Shop Makerspace Managers Conference (SSMC) hosted by Rice University, Texas.
- Participating in the Prototyping Workshop at the Oshman Engineering Design Kitchen (OEDK) in Rice University.

Stacy returned energized and equipped with actionable insights to implement at CDIE, aiming to build a resilient and vibrant innovation ecosystem.



UPCOMING/ RECENT EVENTS

September 18th 2025

Medtech connect Series -
Women leading in Medtech
Innovation.

Chocolate Room, Harmony
Center & Zoom

October 9th 2025

[MSc Biomedical Engineering
Info session.](#)

[Register Here.](#)

September 19th 2025

MSc Biomedical Engineering
Info session.

[Register Here.](#)

October 2025

Medtech Connect Series -

TBD, Nairobi, Kenya
Check Socials for Updates

September 22nd- 26th
2025

IVE -KU Design Challenge -
Maternal and Neonatal Care

[CDIE -Chandaria Business,
Innovation and Incubation
Center, 1st Floor, Kenyatta
University.](#)