



Clinical Workflow Program

How UNext Instilled HealthTech Competencies In A Multinational Healthcare Company's Developer Workforce



An Overview

Today, the medical devices landscape is immensely driven by tech-led innovations and software systems. This means that for a device to accurately diagnose and report diseases and insights, the software deployed at the backend must function at clockwork precisions, too.

The healthcare mammoth that decided to partner with us for a talent transformation program was serious about deploying flawless software-powered clinical equipment. They approached us to strategize a training program for their developers to inculcate **HealthTech competencies** and ultimately launch foolproof devices that would better the lives of patients and technicians.

This was **a leap for UNext** in terms of the sensitivity of the program. However, what followed was an impeccable transformation journey conceptualized and developed from scratch by our incredible pool of faculty and SMEs.

Presenting the truly **one-of-a-kind Clinical Workflow Program** from UNext and how it transformed the competencies of software developers to understand the intricacies of their programs powering medical devices.



Healthcare Devices 101: Starting From Scratch

Launching exceptional clinical devices starts with understanding the real-world applications and implications of devices developers worked on. So, the partnering enterprise was keen on ensuring developers got a hands-on approach to learning the basics of clinical devices and their functioning in diverse real-world scenarios.

While there were impervious quality checks and internal protocols in place for the enterprise to roll out error-free devices, the brand firmly believed that there was always ample scope to improve patient and technician experience through optimized software applications. This realization of operational intricacies would ultimately translate to better coding and in-turn deliver exceptional medical devices.

The Participating Workforce

The program was typically targeted at engineers who had 3 to 5 years of experience in coding programs and applications for clinical devices and equipment.





How UNext Delivered An Exceptional Clinical Workflow Training Program



On realizing the delicate nature of the program, the enterprise transformation team operated in full swing to feature distinct modules and strategize a curriculum. The journey of the program started with theory to instill a general understanding of the subject and how the Asian market works in terms of product purchase and usage.

Finally, professionals were offered hands-on sessions on:

- The real-time running of device sequences
- How radiologists/technicians prepare reports
- The diagnostic procedures
- The diverse phases a technician needs to take care



Leveraging Manipal Hospitals For An Immersive Transformation Program

One of the standout aspects of the program was the real-time sessions learners witnessed in hospitals. For the most practical learning outcomes, **UNext leveraged** the presence of **Manipal Hospitals** to offer developers **an experiential learning journey**.

Here, the professionals observed in real-time:

- How a device operates
- The calibration specifications of a device's software
- The time that can be minimized for device startup to ensure faster diagnosis and more

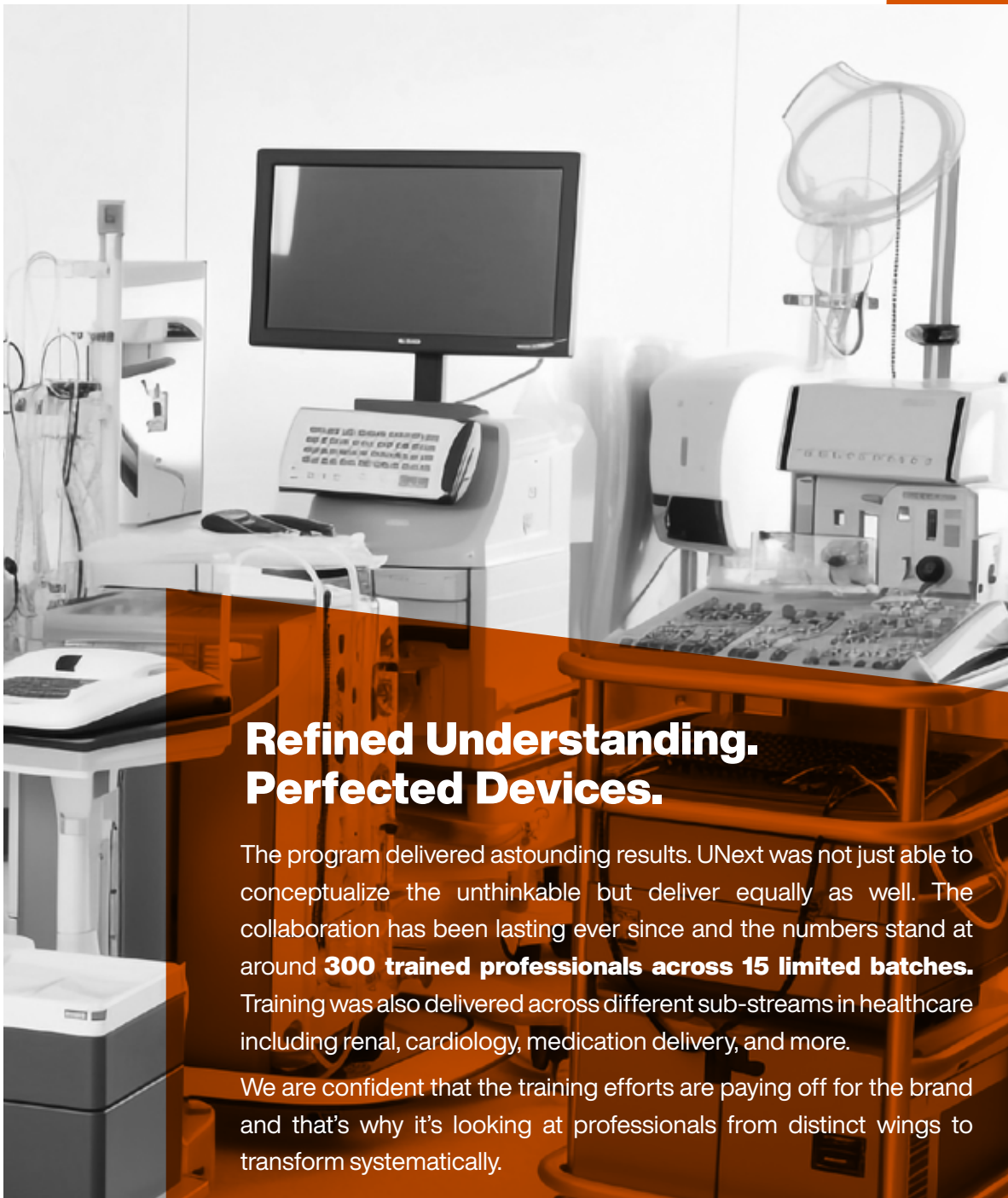
For instance, when a doctor informs that it would take about 4 hours to prepare a device for tests, a software developer initially would work on reducing the time taken to 20 minutes from 4 hours. This thought process blurs out the entire chain of processes happening in the backend in terms of initiating, calibrating, and operating a clinical device.

However, the goal here is not to reduce the prep time but bring clarity in the minds of software developers why it takes close to 4 hours to set up an equipment, shedding light on all crucial processes and protocols mandatory for a seamless test. When this correlation happens, the scope of features and efficiency of a clinical device improves, ultimately creating a strong demand for it in the market.

The Clinical Workflow Program ensured there are tailor-made modules for such teams to have the edge in terms of insights and knowledge required to develop an airtight clinical device. The team had a far better understanding of the workings of their devices in critical situations and the ways diverse processes can be optimized for fool-proof performance.

For the best learning impact, the batch size was also restricted to **25 participants**.





Refined Understanding. Perfected Devices.

The program delivered astounding results. UNext was not just able to conceptualize the unthinkable but deliver equally as well. The collaboration has been lasting ever since and the numbers stand at around **300 trained professionals across 15 limited batches**. Training was also delivered across different sub-streams in healthcare including renal, cardiology, medication delivery, and more.

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If you are a healthcare organization looking to launch fool-proof medical devices in the market, start with transforming your workforce for on-field experiences. We recommend reaching out to us for that.



About UNext

UNext (Part of Manipal Education and Medical Group) prioritizes 360-degree talent transformation through upskilling. We offer industry-relevant programs that help enterprises transform their talent through customized learning solutions across hierarchies. We have partnered with clients across IT-ITeS / BFSI / Automobiles / Healthcare / Manufacturing / Consulting / Retail / Pharma & more segments in training tech and non-tech audiences across various customized programs.

Some key highlights

15+ years
of providing learning solutions

40,000+
Pre-joining programs

20,000+
Corporate bootcamps

6,000+
Role based programs

We have partnered with clients across IT-ITeS / BFSI / Automobiles / Healthcare / Manufacturing Consulting & more segments in training tech and non-tech audiences in emerging technologies through various customized programs.



Transform Your Workforce With Us

By tailoring programs for diverse domains and market segments across distinct functional roles, we offer the most practical and relevant workforce transformation programs in the market. Our program ecosystems are designed to seamlessly tackle massive volumes of simultaneous cohorts so you can precisely implement your workforce transformation goals. Reach out to us today.



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