

AN INTRODUCTION TO PRODUCT DEVELOPMENT & QUALITY SYSTEMS FOR HEALTH / MEDTECH INNOVATIONS

Run 1

Wednesday
24 September 2025
9:00 am - 6:00 pm

Run 2

Thursday
26 March 2026
9:00 am - 6:00 pm

Location

To be informed upon
confirmation

Course Fees

(Inclusive of GST)

Original Price

SGD 950

After SSG Subsidies

SC < 40yo & SPRs

SGD 310.65

SC ≥ 40yo &

**Enhanced training
support for SMEs**

SGD 120.65

This workshop offers a practical and strategic overview of developing health and medtech innovations. Participants will gain insights into the key milestones required to advance a concept into a user-ready medical device, understand how to systematically de-risk innovation through early-stage risk assessment frameworks, and learn how to lay the groundwork for quality management systems suited for early-stage projects. By the end of the session, innovators will be equipped with actionable tools and knowledge to navigate development pathways, address risks proactively, and integrate quality practices from the outset.

Learning Outcomes:

By the end of this module, you should be able to

- Analyse and define key design requirements, collaborating with internal stakeholders to develop, validate, and document functional prototypes.
- Assess technologies and conduct necessary tests to design proof-of-concept prototypes, while managing and mitigating product development risks.
- Understand and apply relevant regulatory, quality, and ISO standards during early product development to ensure compliance and proper risk management.

COURSE AGENDA

BASICS OF PRODUCT DEVELOPMENT & QUALITY SYSTEMS FOR HEALTH AND MEDTECH INNOVATION

Programme Highlights:

0900H - 0910H	Introduction
0910H - 0940H	Overview and Structure of Quality Management System
0940H - 1000H	Product Development Process & Design Controls: Concept Phase and D&P Phase
1000H - 1015H	Tea Break
1015H - 1100H	Product Development Process & Design Controls: D&D and V&V Phases
1100H - 1200H	Requirement Specifications: User Needs Risk Management: Hazard Analysis
1200H - 1230H	Lunch
1230H - 1330H	Hazard Analysis and Risk Controls Exercise on Ventilator [Case study]
1330H - 1515H	Coffee Break
1515H - 1530H	Risk Management: Product DFMEA Requirement Specifications: Design Input
1530H - 1600H	Experiences in early stage projects - common pitfalls,
1600H - 1630H	mistakes, pushing for dev timeline vs doing the documentation
1630H - 1700H	Implementing a QMS post-spin-off
1700H - 1730H	Q&A and Discussion

Contact Us For More Information :

 www.a-star.edu.sg/sb

 SBenquiry@hq.a-star.edu.sg



UPCOMING WORKSHOPS

Our courses cover a wide range of topics in the HealthTech and MedTech industry and are designed for professionals looking to up-skill or re-skill themselves in the healthcare innovation space.

	Dates
Biodesign Bootcamp: Deep Dive into HealthTech Innovation with an End in Mind	Run 1: 28 July – 1 Aug 2025 Run 2: 23 – 27 Feb 2026
Design Thinking for Healthcare Innovation: An Overview	Run 1: 16 July 2026
An Introduction to Product Development and Quality Management Systems for Health and MedTech Innovations	Run 1: 24 Sep 2025 Run 2: 26 Mar 2026
Business Model Innovation for Healthcare Innovations	Run 1: 29 – 31 Oct 2025
Business Implementation for Health and MedTech: Project to Market Overview	Run 1: 25 - 26 Nov 2025
Design Thinking for Healthcare Innovation: Focusing on Identifying and Inventing for the Unmet Need	Run 1: 23 - 24 July 2025 Run 2: 11 – 12 Feb 2026
Health and MedTech Project Management +	Run 1: 18 Mar 2026

Contact Us For More Information:

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or click [here](#).