Design Thinking for Healthcare Innovation: Focusing on Identifying and Inventing for the Unmet Need

Course Code: GMS_BD2DDTHI

Date & Time

RUN 1

Monday - Tuesday
17 - 18 October 2022
09:00 am - 05:30 pm

Workshop Location

Seminar 2, Level 6, Tower B
(Kinesis)
4 Fusionopolis Way, Singapore
138635

Course Fees

(inclusive of GST)

Original Price

SGD 2,033.00

After SSG Subsidies

SC < 40yo & SPRs
SGD 609.90

SC ≥ 40yo & Enhanced training
support for SMEs
SGD 229.90

The workshop aims to equip health and medtech innovators, including healthcare professionals, researchers, engineers and budding healthcare entrepreneurs with knowledge relating to the product development competency under the Health and Medtech Innovation Skills and Competencies whitepaper as well as Design Thinking Practice Technical Skills and Competencies.

This workshop will provide participants with a deeper appreciation of the design thinking approach to early stage healthcare innovation by layering on a structured framework for empathizing and identifying an unmet healthcare need, brainstorming and evaluating ideas towards developing well-defined and validated healthcare solutions.
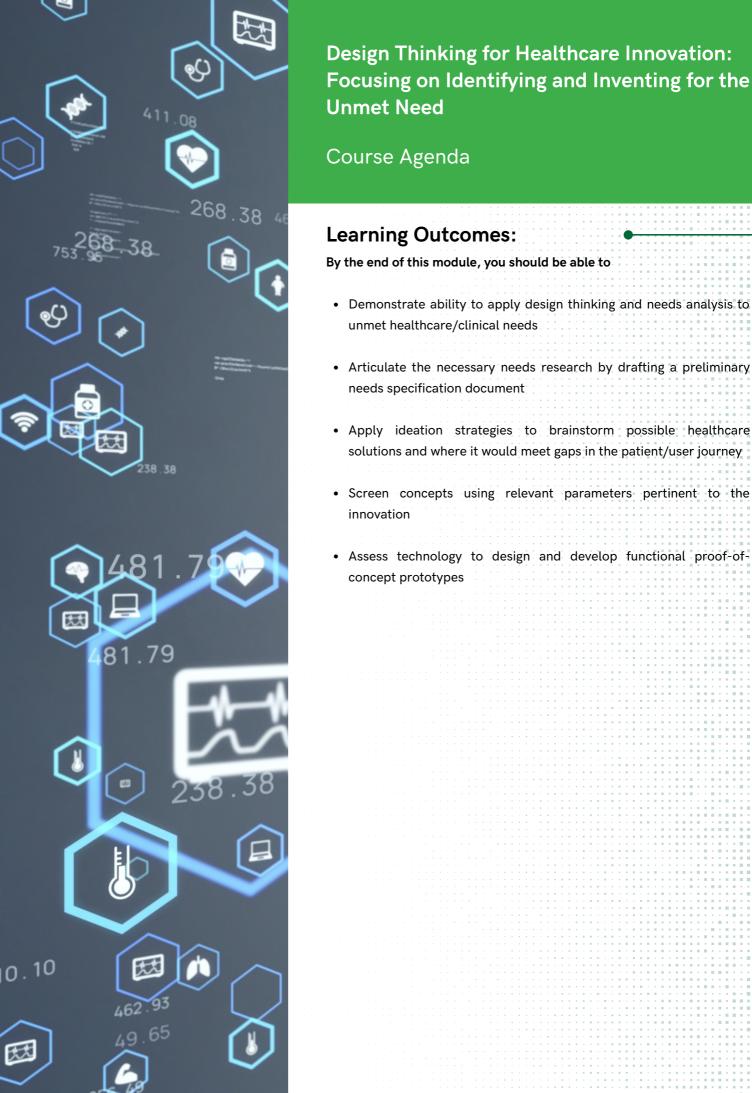
By the end of the workshop, health & medtech innovators will be able to apply a structured design thinking approach towards health and medtech innovation product development, focussing on identifying and analysing clinical unmet needs, inventing robust and sound concepts to address these needs, as well as identifying key risks and develop preliminary plans for testing and development.

How to register?

Simply scan the QR Code and search for the course name as a self-sponsored participant! Refer to our registration guide here:
https://bit.ly/SB_RegistrationGuide

If your company is sponsoring your participation upfront, please email us at sbenquiry@hq.a-star.edu.sg for registration instructions.

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Course Agenda

Learning Outcomes:

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

- Demonstrate ability to apply design thinking and needs analysis to unmet healthcare/clinical needs

- Articulate the necessary needs research by drafting a preliminary needs specification document

- Apply ideation strategies to brainstorm possible healthcare solutions and where it would meet gaps in the patient/user journey

- Screen concepts using relevant parameters pertinent to the innovation

- Assess technology to design and develop functional proof-of-concept prototypes

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Course Agenda

Day One

0900H - 0915H	Overview and Introduction to Biodesign
0915H - 1000H	Needs Research and Characterization
1000H - 1100H	Group exercise: Project Scoping Using the DSTM Template
1100H - 1145H	Articulating the Patient Cycle of Care
1145H - 1245H	Lunch
1245H - 1400H	Group exercise: Project scoping using the patient journey and DSTM Template
1400H - 1430H	Introduction to Needs Criteria
1430H - 1500H	Group Exercise: Creation of Needs Criteria
1500H - 1515H	Break
1515H - 1600H	Concept Generation
1600H - 1630H	Concept prototyping and testing
1630H - 1730H	Group exercise: Concept exploration and testing
1730H - 1745H	Debrief

Day Two

0900H - 0910H	Recap & Introduction to day 2
0910H - 0945H	IP Landscape and Learning Lessons
0945H - 1030H	Group Exercise: IP Landscape and Presentations
1030H - 1045H	Break
1045H - 1115H	Regulatory Pathway and Determinants
1115H - 1230H	Group exercise: Regulatory Pathways and Presentations
1230H - 1330H	Lunch
1330H - 1400H	Reimbursement Strategies
1400H - 1430H	Group Exercise: Reimbursement
1430H - 1500H	Business Models to Bring Your Solution to Market
1500H - 1515H	Break
1515H - 1615H	Group Exercise: Business Model Strategies and Presentations
1615H - 1700H	Risk Assessment and Controls
1700H - 1745H	Crafting a Robust R&D plan
1745H - 1800H	Closing

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.

Design Thinking for Healthcare Innovation: An Overview
RUN 1: 04 July 2022
RUN 2: 16 January 2023

Biodesign Bootcamp:
Deep Dive into HealthTech Innovation with an End in Mind
RUN 1: 01 - 05 August 2022
RUN 2: 20 - 24 February 2023

An Introduction to Product Development and Quality Management Systems for Health and MedTech
RUN 1: 03 October 2022
RUN 2: 12 March 2023

Design Thinking for Healthcare Innovation: Focusing on Identifying and Inventing for the Unmet Need
RUN 1: 17 - 18 October 2022
RUN 2: 03 - 04 April 2023

Business Model Innovation for Healthcare Innovations
14 - 16 November 2022

Business Implementation for Health and MedTech: Project to Market Overview
01 - 02 December 2022

Contact Us For More Information :

🌐 www.a-star.edu.sg/sb
✉ SBenquiry@hq.a-star.edu.sg

or click here.