Jointly organized by

BIODESIGN BOOTCAMP:
DEEP DIVE INTO HEALTHTECH INNOVATION WITH AN END IN MIND

This Biodesign 5-day Bootcamp will guide participants through the Biodesign Process of Identify, Invent and Implementation towards an understanding of commercialization and healthcare adoption. This holistic approach begins from the onset of innovation through a series of case studies, real-world hands-on exercises and interaction with guest practitioners to the development of participants' acumen for real world implementation. The Biodesign Innovation Process is an established systematic approach to the identification of important unmet healthcare needs, the invention and development of novel solutions, and the subsequent development of commercialization plans to implement solutions into practice.

This course is catered for innovation teams in the conceptualisation phase or are early in their POC journey who wish to get more in-depth knowledge of the medtech innovation process and at the same time, rub shoulders with domain experts in the ecosystem. We welcome medtech innovators from all walks of life with a medtech project in mind or those who wish to learn the nuances behind creating an impactful medtech innovation.

DATE & TIME

RUN 1
Monday - Friday
2 Aug - 6 Aug 2021
9:00am - 6:00pm

RUN 2
Monday - Friday
14 Feb - 18 Feb 2022
9:00am - 6:00pm

COURSE FEES
inclusive of GST

Original Price: SGD 5,617.50

After Discount
SC < 40yo & SPRs: SGD 1,685.25
SC ≥ 40yo & Enhanced training support for SMEs: SGD 635.25

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How to register?

Simply scan the QR Code and register or use the link below


Should you encounter any issue, please email us at sbenquiry@hq.a-star.edu.sg.
Participants are expected to:

- Articulate the Biodesign Process of Innovation and understand how to apply it as an iterative process for innovating healthcare solutions
- Define and evaluate an unmet healthcare need with consideration of factors affecting its impact
- Invent and assess the viability of potential solutions in relation to the competitive landscape and user requirements
- Develop an understanding of key implementation factors that can affect downstream adoption of healthcare solutions such as regulatory, reimbursement, pricing and business models
- Craft a credible pitch and plan towards technology commercialization

Day One

0900H - 0930H  Session 1: Opening and Introduction
0930H - 1000H  Session 2: Overview of workshop
1000H - 1030H  Session 3a: Researching on Needs
1030H - 1130H  Session 3b: Filling up of DSTM worksheet
1130H - 1200H  Session 4: Need Criteria
1200H - 1300H  Lunch
1300H - 1330H  Session 5a: Concept Generation / Initial Concept Screening
1330H - 1430H  Session 5b: Brainstorm!
1430H - 1500H  Session 6: Overview of Concept Screening
1500H - 1530H  Break
1530H - 1630H  Session 6a: Concept Screening worksheets
1630H - 1700H  Session 7: Debrief
Day Two

0900H - 0930H  Session 8: Needs presentation
0930H - 1000H  Session 9: Introduction to DSTM template
1000H - 1030H  Tea Break / Class self introduction
1030H - 1130H  Session 10: Asian Case Study
1130H - 1300H  Lunch + Session 9a: Need Research
1300H - 1330H  Session 11: Preparation for Need Specification exercise
1330H - 1430H  Session 12: Need review and development of need criteria
1430H - 1500H  Session 12a: Sharing of Need Criteria
1500H - 1530H  Tea Break
1530H - 1630H  Session 13: Concept Generation and Initial Concept Selection
1630H - 1700H  Session 14: Concept development and debrief

Day Three

0900H - 0930H  Session 15: Review of Day 2 and Opening
0930H - 1000H  Session 16: Concept sharing on what was developed in Day 2
1000H - 1030H  Tea Break / Class Self introduction
1030H - 1100H  Session 17a: IP Fundamentals
1100H - 1200H  Session 17b: IP in Asia
1200H - 1300H  Session 17c: IP Exercise + Lunch
1300H - 1330H  Session 18a: Regulatory Fundamentals
1330H - 1430H  Session 18b: Regulatory Affairs in Asia
1430H - 1500H  Session 18c: Regulatory Exercise + Tea Break
1500H - 1600H  Session 19a: Business models innovation in Asia
1600H - 1630H  Session 19b: Business models exercise
1630H - 1700H  Session 20: Medtech Innovation in Asia: Validating Needs and concepts
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Course Agenda (Tentative)

Day Four

0900H - 0930H  Session 21: Concept Exploration and Testing
0930H - 1000H  Session 21b: Prototype Planning
1000H - 1030H  Tea Break / Energizer
1030H - 1100H  Session 21c: Presentation of prototype
1100H - 1130H  Session 22a: Reimbursement Fundamentals
1130H - 1230H  Session 22b: Market Access to China
1230H - 1300H  Lunch
1300H - 1330H  Session 23: Final Concept Selection
1330H - 1400H  Session 24: Recap and Next Steps
1400H - 1500H  Session 25: R&D Strategy, Design Control
1500H - 1530H  Tea Break
1530H - 1600H  Session 26: Clinical trials fundamentals
1600H - 1700H  Session 27: Case studies of clinical trials

Day Five

0900H - 0930H  Session 28: Ops Plan and Financial Modeling
0930H - 1030H  Session 29: Implementation in Asia
1030H - 1100H  Session 30: Funding landscape
1100H - 1200H  Session 31: Preparation for presentation
1200H - 1300H  Lunch
1300H - 1400H  Session 31: Preparation for presentation
1400H - 1600H  Session 32: Presentations
1600H - 1700H  Session 33: Fireside Chat
1700H - 1730H  Session 34: 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.

RUN 1: 6 Sep 2021
RUN 2: 7 Mar 2022
GMS_BD1DPD An Introduction to Product Development and Quality Management Systems for Health/MedTech Innovations (1 day)

RUN 1: 4 Oct 2021 - 5 Oct 2021
RUN 2: 4 Apr 2022 - 5 Apr 2022
GMS_BD2DDTHI Design Thinking for Healthcare Innovation: Focusing on Identifying and Inventing for the Unmet Need (2 days)

RUN 1: 1 Nov - 3 Nov 2021
GMS_BD3DBMI Business Model Innovation for Healthcare Innovations (3 days)

RUN 1: 26 Nov 2021
GMS_BD1DFFHI Fundraising Fundamentals for Healthcare Innovations (1 day)

RUN 1: 13 Dec 2021 - 14 Dec 2021
GMS_BD2DBIHMT Business Implementation for Health/MedTech: Project to Market Overview (2 days)

RUN 2: 17 Jan 2021
GMS_BD1DDT Design Thinking for Healthcare Innovation: An Overview (1 day)

To find out more,
EMAIL: SBEnquiry@hq.a-star.edu.sg
WEB: https://www.a-star.edu.sg/sb