

CHULALONGKORN UNIVERSITY  
TECHNOLOGY CENTER



**SPINOFF TO SUCCESS!**

# **STARTUP FUNDAMENTALS BOOTCAMP**

**UTC INCUBATION PROGRAM: PART 1**

**COHORT 1 | 23 JULY – 1 AUGUST 2020**



**Chula**  
Chulalongkorn University



**Sasin**

**The Deep Tech  
Incubation Program for  
Academic Entrepreneurs**

**Brought to you by UTC + Sasin**



## Welcome Cohort 1!

Thank you for joining the Chulalongkorn University Technology Center's very first Deep Tech Incubation Program.

This 2-Part Program is designed to help springboard your research from laboratories to impact. Whether you wish to be a Cofounder of your very own university spinoff, or want to see your deep tech innovations benefit the lives of Thai citizens and beyond, we are here to support your endeavors every step of the way.

We wish you the best of luck on your academic entrepreneurship journey, and are honored to be a part of it!

*UTC Team*

*Sasin Team*

# UTC DEEP TECH INCUBATION PROGRAMS

## STARTUP FUNDAMENTALS

4-Day Bootcamp

- Designed to catch you up on startup fundamentals, with a focus on deep tech academic spinoffs

## DEEP TECH INCUBATION PROGRAM

4 Months

- Designed especially for deep tech research spinoffs and technology transfer
- Exclusive for UTC Portfolio Projects
- Runs from September – December 2020
- Culminates in a Demo Day with opportunities for follow-on funding

## EVENTS WORKSHOPS MASTERCLASSES

Throughout the Year

- Events and talks from special guest speakers such as serial entrepreneurs, VCs, and policy makers



# DAY 1: Thursday 23<sup>rd</sup> July

## ORIENTATION + STARTUP 101

<b>09:00 – 09:10</b>	Opening Remarks	Assoc. Prof. Boonrat Lohwongwatana
<b>09:10 - 09:30</b>	Orientation + Academic Entrepreneur Paths	Khun Ornsiree Junchaya
<b>09:30 - 10:15</b>	Inspiration: Examples of Deep Tech Startup Pitches	Khun Surawat Promyotin
<b>10:15 - 10:30</b>	Coffee Break	
<b>10:30 - 11:15</b>	Inspiration: The Deep Tech Investor's Perspective	Khun Surawat Promyotin
<b>11:15 - 12:00</b>	Startups vs. SMEs	Khun Surawat Promyotin
<b>12:00 - 13:00</b>	Lunch	
<b>13:00 - 14:30</b>	1-Page MVP + Solution Journey	Khun Surawat Promyotin
<b>14:30 - 14:45</b>	Coffee Break	
<b>14:45 - 16:00</b>	1-Page MVP + Solution Journey	Khun Surawat Promyotin



# DAY 2: Saturday 25<sup>th</sup> July

## VALUE PROPOSITION + LEAN STARTUP

<b>09:00 - 09:05</b>	Day 2 Program Overview	Dr. Pravee Kruachottikul
<b>09:05 - 10:30</b>	Current Solution Journey and Value Proposition	Khun Surawat Promyotin
<b>10:30 - 10:45</b>	Coffee Break	
<b>10:45 - 12:00</b>	Current Solution Journey and Value Proposition	Khun Surawat Promyotin
<b>12:00 - 13:00</b>	Lunch	
<b>13:00 - 14:30</b>	Intro to Lean Startup + Lean Startup for Deep Tech	Khun Surawat Promyotin
<b>14:30 - 14:45</b>	Coffee Break	
<b>14:45 - 16:00</b>	Intro to Running Lean Startup Acceleration Program	Khun Surawat Promyotin

# DAY 3: Thursday 30<sup>th</sup> July

## DEEP TECH DIVE




<b>09:00 - 09:05</b>	Day 3 Program Overview		Dr. Pravee Kruachottikul
<b>09:05 - 10:15</b>	Research to IP		Lect. Poomsiri Dumrongvute
<b>10:15 – 10:30</b>	Coffee Break		
<b>10:30 - 12:00</b>	Technology IP Overview		Khun Suebsiri Taweepon
<b>12:00 - 13:00</b>	Lunch		
<b>13:00 - 14:20</b>	Academic Entrepreneurship Journey: Medtech Success with Meticuly		Assoc. Prof. Boonrat Lohwongwatana
			Lect. Chedtha Puncreobutr
<b>14:20 – 14:30</b>	Coffee Break		
<b>Breakout Session</b>			
<b>14:30 - 15:30</b>	Medtech IP	Artificial Intelligence & Machine Learning IP	Khun Peeyakorn Suparugbundit
			Mr. Kirk A. Sigmon
<b>15:30 - 16:30</b>	Data Protection Panel: PDPA, Cyber Security, AI Ethics Moderated by Asst. Prof. Natawut Nupairoj		Dr. Peerapat Chokesuwattanasakul
			Assoc. Prof. Krerak Piromsopa
			Khun Namfon Praposri



# DAY 4: Saturday 1<sup>st</sup> August

## BUSINESS MODELS + FUNDRAISING

### PROJECT SHOWCASE + NETWORKING DINNER

<b>09:00 - 09:05</b>	Day 4 Program Overview	Khun Ornsiree Junchaya
<b>09:05 - 11:00</b>	Fundraising Foundations	Mr. Douglas Abrams
<b>11:00 - 11:15</b>	Coffee Break	
<b>11:15 - 12:00</b>	Early Adopters	Khun Surawat Promyotin
<b>12:00 - 13:00</b>	Lunch	
<b>13:00 - 14:30</b>	Problem Validation & Problem Interview Workshop	Khun Surawat Promyotin
<b>14:30 - 14:45</b>	Coffee Break	
<b>14:45 - 15:30</b>	Solution Ideation Workshop	Khun Surawat Promyotin
<b>15:30 - 16:30</b>	Deep Tech Business Models	Khun Surawat Promyotin
<b>16:30 - 17:00</b>	Prepare for Project Showcase	All teams
<b>17:00 - 17:10</b>	Welcoming Remarks and Bootcamp Wrap Up	Asst. Prof. Natawut Nupairoj Khun Surawat Promyotin
<b>17:10 - 18:30</b>	Project Showcase	All Teams Present
<b>18:30 - 21:00</b>	Networking Dinner 	Investors, Mentors + Teams



# PARTICIPATING PROJECTS



## Read Me

An accurate Thai text reader that is robust to many variations found in scene text images and videos  
*AI / Data Science / Robotics*



## Senovate

Smart dairy cow monitoring system  
*AI / Data Science / Robotics*



## Speech Processing

Platform for processing everything about speech including identity, content and emotion  
*AI / Data Science / Robotics*



## TrueEye

Non-invasive preventive medicine using AI to pre-screen subjects for diabetes risk from retinal fundus images  
*AI for Health*



## Sense Coat

Dental innovation for oral self-care towards ageing society  
*Medtech*



## Physician Artificial Intelligent Companion

Physician data collection and decision-making assistant  
*AI for Health*



## Non-surgical Castration

Non-surgical castration (via nanoencapsulation) as an alternative method to control pet population  
*Medtech*



## CU-USE

Constrained Unit for Ultrasound-assisted Spinal/Epidural Procedure  
*Medtech*



## GoodHope Nutrition

Comprehensive tele-nutrition platform for cancer patients  
*Medtech*



## Biological Soft Robotic for Advanced Oral Delivery System

Hybrid technology of nano/micro delivery system of active compounds  
*Medtech*



## GoDrive

Future of car sharing economy  
*Smart City*



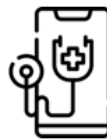
## KlinRX

Odor identification test  
*Medtech*



## Technology for Retirement Home Evaluation and Decision Making

Platform for retirement home with built-in architect's recommendation  
*Smart City*



## AI Health Companion

AI-based health symptom checker that helps screen, analyze and make appropriate suggestions for patients and service providers  
*AI for Health*



## Smart Seat

A smart seat that prevents office syndrome by monitoring user's sitting habits and providing personal alerts  
*Medtech*



## Chula Sim IPE

Interprofessional medical education model development for enhancing emergency patient safety through online virtual simulation-based learning platform  
*Medtech*



## P4 Strip Test

Test kit to determine puberty attainment in gilts  
*Medtech*



## AQUA Innovac

The new innovation of vaccine and health products use in aquaculture  
*Medtech*

# UTC TEAM DIRECTORY



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