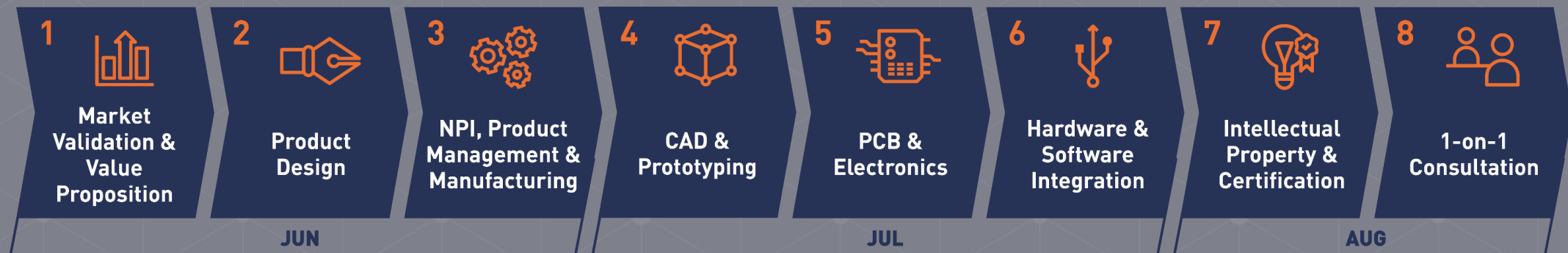


# TRAINING OF SPRING COHORT (2021)

1 Jun 2021		<b>Pitching &amp; Teaser Writing</b>
11 Jun 2021		<b>Orientation</b>
Jun – Aug 2021		<b>Training Modules</b>

Training Modules :



# COMMON SHORTAGES OF ENTREPRENEURS IN HARDWARE DEVELOPMENT



## Idea

No competitor

Assume the Market needs exist

No Product Market Fit study (PMF)

No project planning



## Design

Drive by passion

Pursue for perfection

Over Engineering

Did not Consider Manufacturability

No Manufacturing Cost control



## Manufacture

Unfamiliar with factories requirement

M. SPEC	Process
BOM	Test procedure
MOQ	Yield & loss
Material	QC
Tolerance	



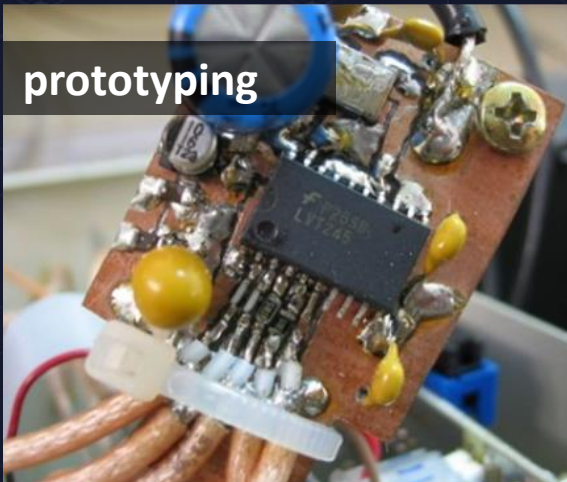
## Market

Certification requirement

IP strategy

Clients & Market adoption

## prototyping



# product design



## manufacturing



**drafting specifications**

# drafting specifications

### Power

- powered through Rechargeable battery built-in and external
- Operating Time: at least 8 hours
- Lithium Polymer rechargeable battery, 2000+ mAh
- Charging via USB Micro B port

### System

- Low power 16 bits Embedded System
- 16KB Flash, 512Byte RAM

**2 Way Audio**

- Frequency at 433MHz, 16 Channels
- 1-3 km communication distance
- Mic & Speaker

## Heart Rate sensor

- Threshold triggered alert and report to server

Body temperature sensor

- Threshold triggered alert and report to server

### Accelerometer

- Fail detection alert and report to server

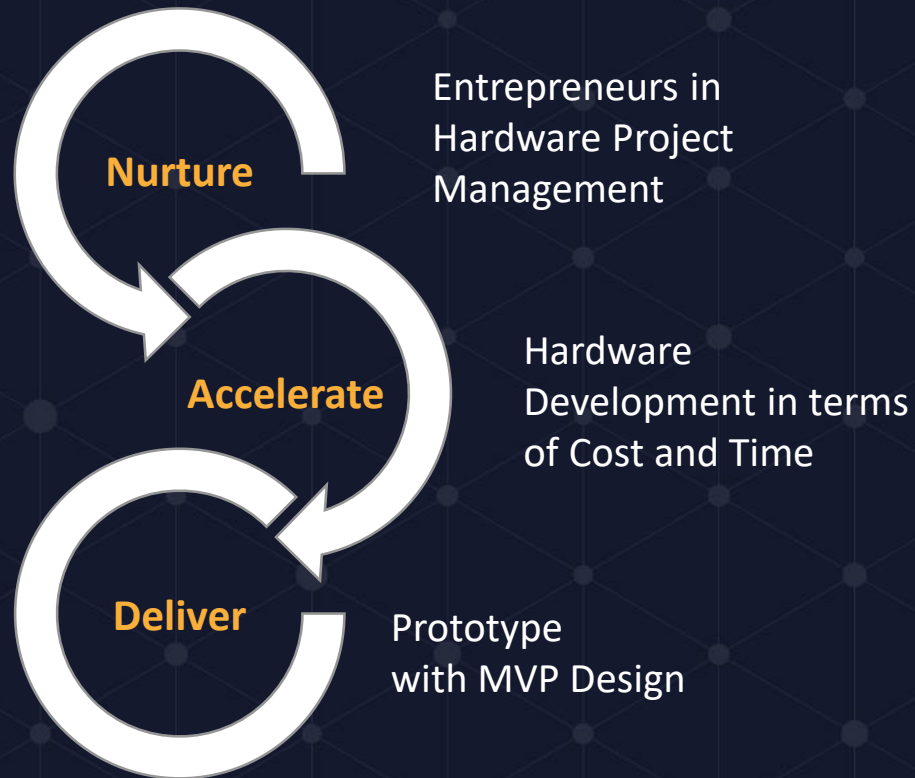
## Human Interfaces

- 2 Colors LED status indicators (red, green)
- Four buttons key pad – on/off, volume +/-, talk button, Panic
- Vibrator

# GAP TO BRIDGE ON THE HARDWARE JOURNEY



# IDM<sup>2</sup> HARDWARE ACCELERATOR - SCOPE OF CONTENT



## DFM Workshops

Science Park Facilities

## Fabrication Clinics

Partners support



## GBA Supply Chain

Proof of concept by



GLOBAL ACCELERATION ACADEMY



# THE AIM & OUTCOMES

Support you to overcome the design and manufacturing challenges

By the end of the journey you should be awarded  
with



Target  
Market &  
Clients



Better  
Project  
Planning



Design  
Thinking &  
DFM



Manufactur-  
ing  
Jargon



MVP Design  
with  
Prototype



GBA Supply  
Chain

iDM<sup>2</sup> is a hardware accelerator to optimize your product development cycle

**idm<sup>2</sup>**  
idea · design · manufacture · market

# SPRING COHORT

**2021**



**Free of Charge**



**HKSTP Incubatees,  
HKSTP Tenants and  
FHKI STAR Programmes Candidates  
are Welcome**



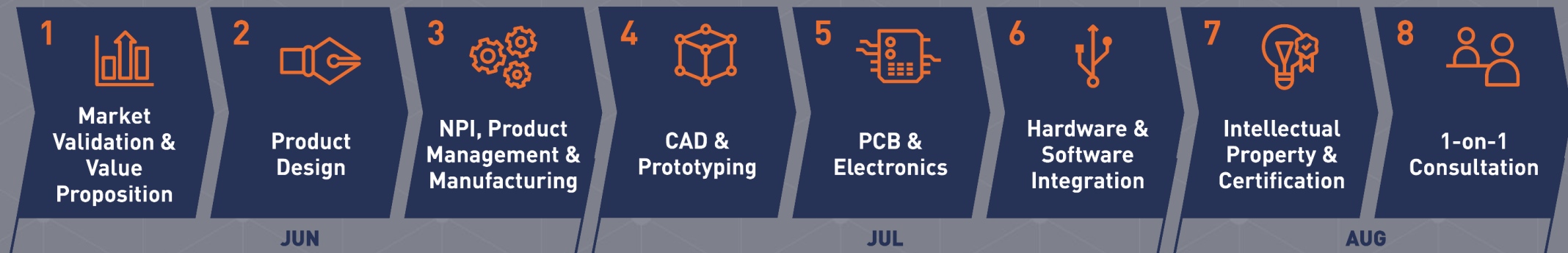
**HK\$50K Credit for  
Prototyping**

- *eligible for HKSTP incubatees*
- *with 6 or more modules completed*

# TRAINING OF SPRING COHORT (2021)

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Training Modules :



# SPECIALIST CLINICS

Domain experts in various areas serve as coaches

Offer 1-on-1 consultation to the iDM<sup>2</sup> participants upon topics requested

1



Market Research &  
Business Modelling

2



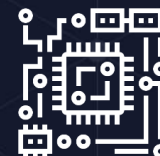
Product Design

3



Sensors Application

4



Printed Circuit  
Board (PCB) Design

5



Programming &  
Cloud

6



Design for  
Manufacture

7



Design for  
Assembly (DFA)

8



Tooling

9



Product  
Certification

10



Intellectual  
Property Protection

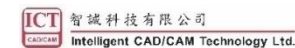
# STRATEGIC PARTNERS



# INDUSTRIAL PARTNERS



# SUPPORTING PARTNERS



# APPLICATION TIMELINE



**23 Apr**

Application  
deadline



**3 May**

Shortlisted Applicants will  
receive Invitation of  
Admission Interview



**10 – 14 May**

Admission Interview  
*10 mins Presentation +  
20 mins Q&A*

**Selection Criteria**

- Current stage of your project / product
- Relevant to hardware development



**24 May**

Admitted Candidates  
will receive a  
Confirmation Email

iDM<sup>2</sup> is a hardware accelerator to optimize your product development cycle

**idm<sup>2</sup>**  
idea • design • manufacture • market



**DEADLINE**  
**23 APR, 2021 (FRI)**

**APPLY NOW**

For Inquiries: Sonia Lui | 2629 7976 | [sonia.lui@hkstp.org](mailto:sonia.lui@hkstp.org)