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# Maker Village

## *Incubation Facilities*

03 December 2021



# Agend

- *Overview*
- *Incubation*
- *Facilities*



## Overview – Background

# Maker Village Background

- » **India's largest electronics hardware incubator initiated by MeitY, hosted by DUK/IITMK & supported by Kerala Startup Mission (KSUM)**
- » **Started active operations in 2017 with a total outlay of ₹51 Cr**
- » **New building and expanded facilities inaugurated in January 2019 with incubation space of 25,000 sqft**



## Overview – Mission

# Mission

To create a sustainable hardware ecosystem that will enable startups & entrepreneurs to **tinker**, **innovate**, and **build** world-class products elevating India to the forefront of innovation in the electronics space

## Overview – Startups

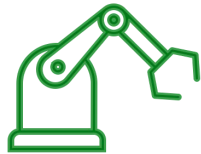
» **Number of current startups : 68 (total of 130 since inception)**

» **Stages : Seed – 16, Early – 35, Later – 17**

» **Sectors :**



IoT



Robotics



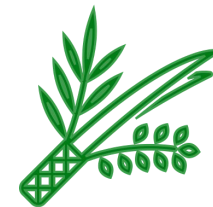
EV & Auto



AI



Healthcare



Agritech



Edtech



Media



Drones



Radio Comm.



Biotech



Green Energy

# Overview – Startups Showcase



**EYEROV:**  
India's 1st  
commercial  
underwater  
drone



**GENROBOTICS:**  
World's 1st  
robotic  
manhole  
scavenger



**EVELABS:**  
Portable  
connected  
infusion  
monitor and  
controller



**NYOKAS:**  
Smart textile  
to monitor  
vital  
parameters of  
wearer



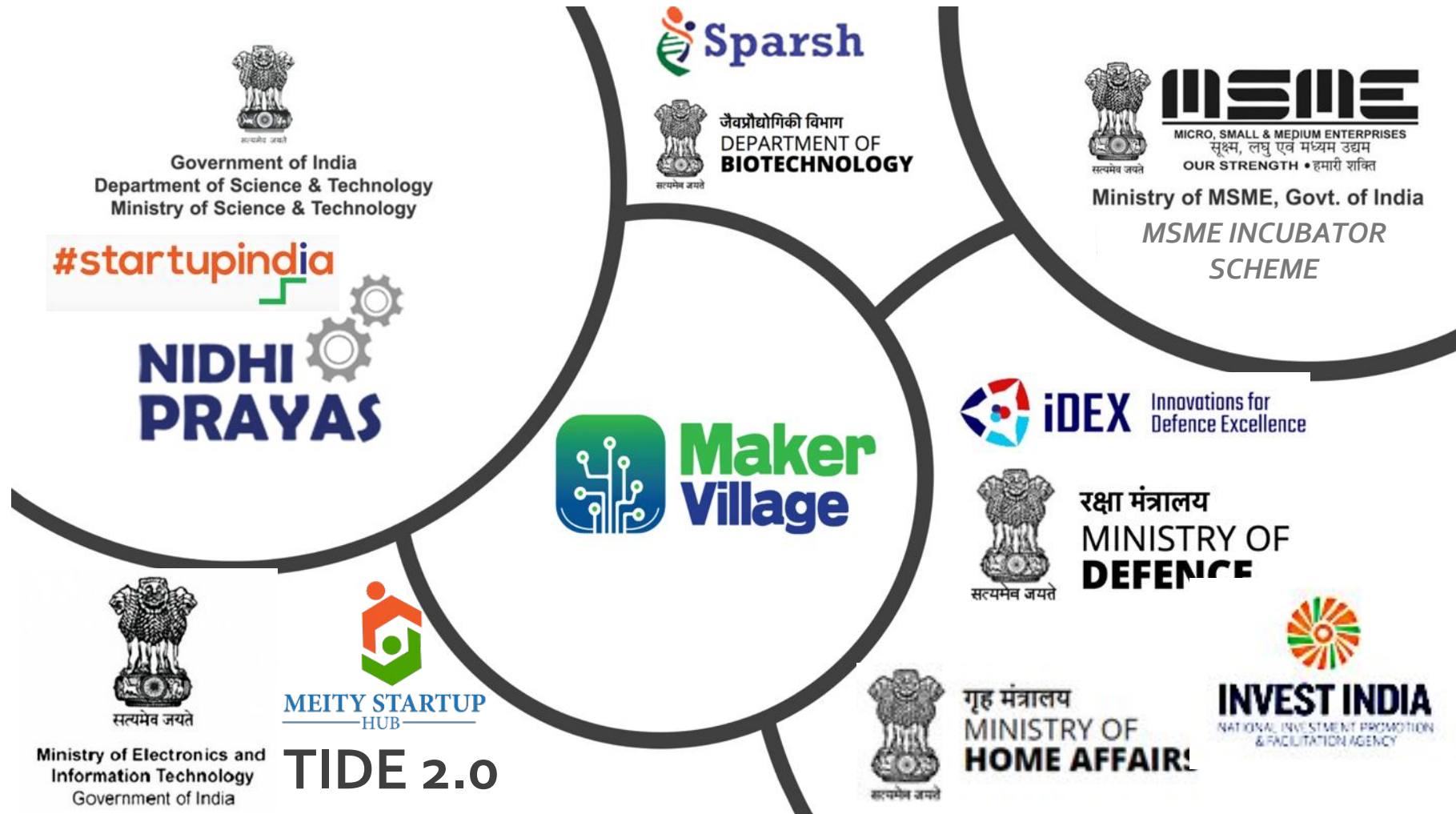
**BAGMO:**  
Blood bag  
monitoring  
and  
management  
system



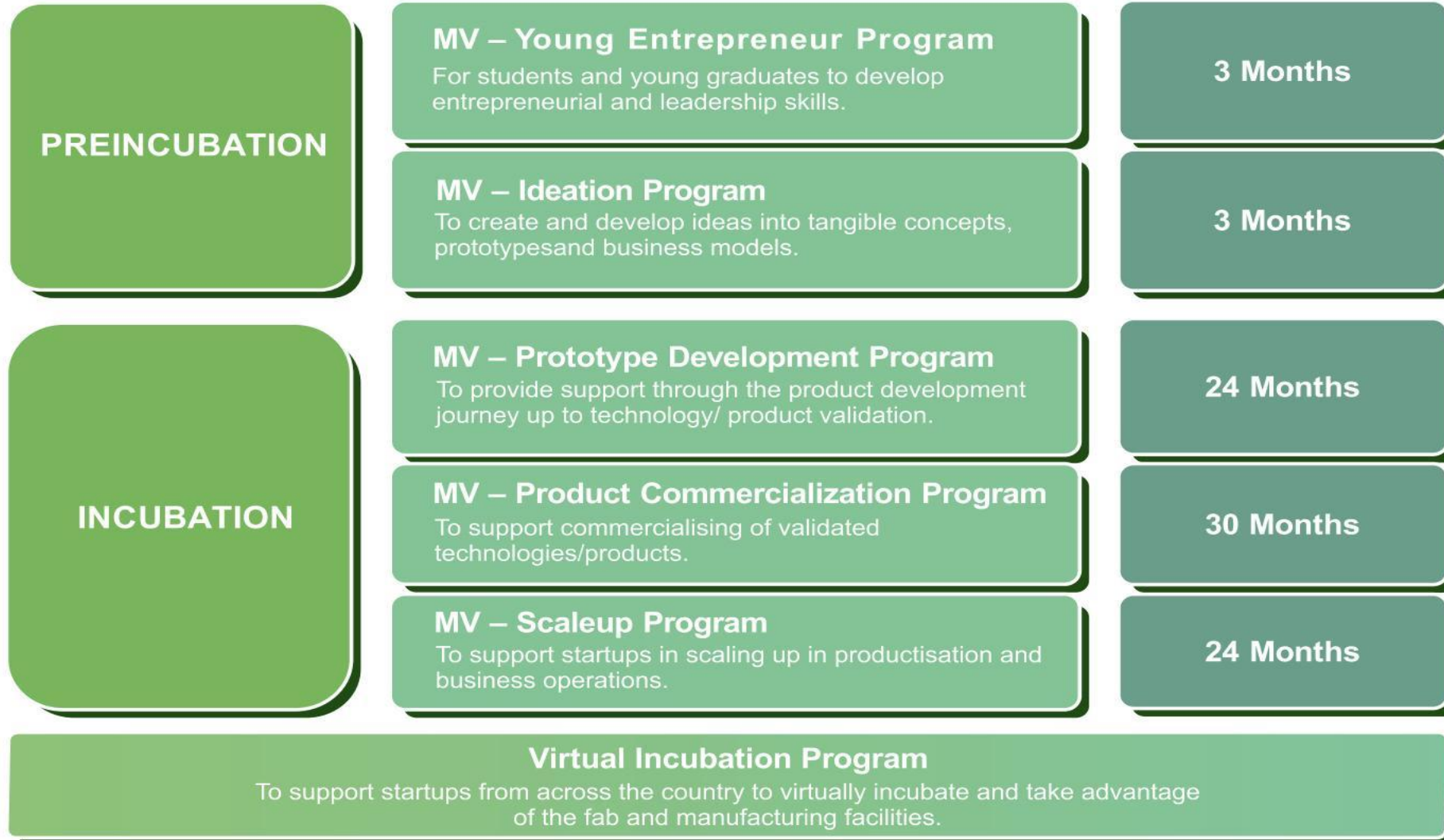
**AI DRONE:**  
Heavy lift  
drone  
capable of  
payloads up  
to 100 kgs



# Overview – Government Programs



# Incubation – Programs





# Facilities – Ecosystem



## INFRASTRUCTURE

- \* Working Space
- \* Fabrication & Manufacturing
- \* Measurement & Testing Labs



## FUNDING

- \* Seed Funds
- \* Govt Grants
- \* Angel & VC Connects



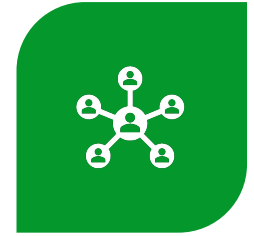
## NETWORKING

- \* Academia
- \* Tech Consultants
- \* Industry
- \* Investors



## ADVISORY

- \* Mentor Network
- \* Technical Support
- \* Legal & IP
- \* Finance



## PROMOTION

- \* Events
- \* Media
- \* Workshops
- \* Webinars

# Facilities – High-End Equipment



# Facilities – High-End Equipment



## Metal Machining Centre

- CNC Vertical Machining centre
- Turning Centre with DRO
- Power Tools
- MIG Welding



## EMC Pre Compliance

- Signal Analyser
- Spectrum Analyser
- Near-field probes
- Pre compliance software



## SMT Line

- A25000 CPH fully automated Industrial grade assembly line



## Additive Manufacturing for Plastics

- Industrial Grade 3D Printers for prototyping jigs & Fixtures, master pattern for casting
- FDM based large format 3D printer
- SLA Printer



## Software

- Mentor Graphics EDA
- Orcad PCB Design
- DS-3D experience
- Kiel MDK
- Solidworks
- Altium
- Proteus
- Altair



# Facilities – Innovation Spaces





## Facilities – Events



**“HARDTECH”**

**NATIONAL  
DEEPTech  
STARTUP  
CONCLAVE**



# Facilities – Life @ Maker Village





# Facilities – *From Idea to Reality*



Incubation & Workspaces



Fabrication & Manufacturing



Nearing Completion



Display Rooms & Residences



Events & Activities



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# Maker Village

## *Thank you*

<https://makervillage.in>

