



University IP-based Start-ups

ROWENA CRISTINA L. GUEVARA, Ph.D.
Undersecretary for Research and Development
Department of Science and Technology
PHILIPPINES



The Startup Ecosystem 2018: Interventions at every stage

Idea/ R&D

DOST R&D Grant, PCIEERD Young Innovators Program, CHED, Philippine Startup, Startup Weekend, Youth Hack Challenge, Technopreneur's Bootcamp & Roadshows, PhilDev, Google, Startup Grind, Cerebro Labs, Devcon

Product

DOST TBIs, QBO, UPScale, AIM-DBI, PCIEERD Startup Grant, PCIEERD FASTRAC, DOST TECHNICOM, DTI FabLabs, Startup Weekend, DICT Startup Workshops, LaunchPad, Sringvalley Tech, Google GBG GDG, Ideaspac Pre-Accelerator Program, Cerebro Labs, Startup Village

Market

DOST TBIs, QBO, UPScale, AIM-DBI, Take Off, Geeks on a Beach, Kickstart Ventures, Launchgarage, Inc., Ignition Venture Studio, Future Now Ventures, PhilDev.org, Impact Hub Manila, Xchange Incubator, Ideaspac Annual Accelerator Program, Slingshot DTI, DTI Local & International Events, DOST Startup Assistance

Expand

Startup Competitions in local/ international events, Launch garage, GOAB, DOST SETUP, DTI Slingshot, BOI, Ideaspac: Opportunity Fund, Venture Capitalists, Corporate Ventures

Challenges and Leading Issues

DISCONNECT

Too many programs, should be harmonized to maximize impact, no end-to-end support

ACCESS TO FUNDS

Lack of awareness of available funds, mismatch in terms of financing, lack of funding for early stage

MINDSET

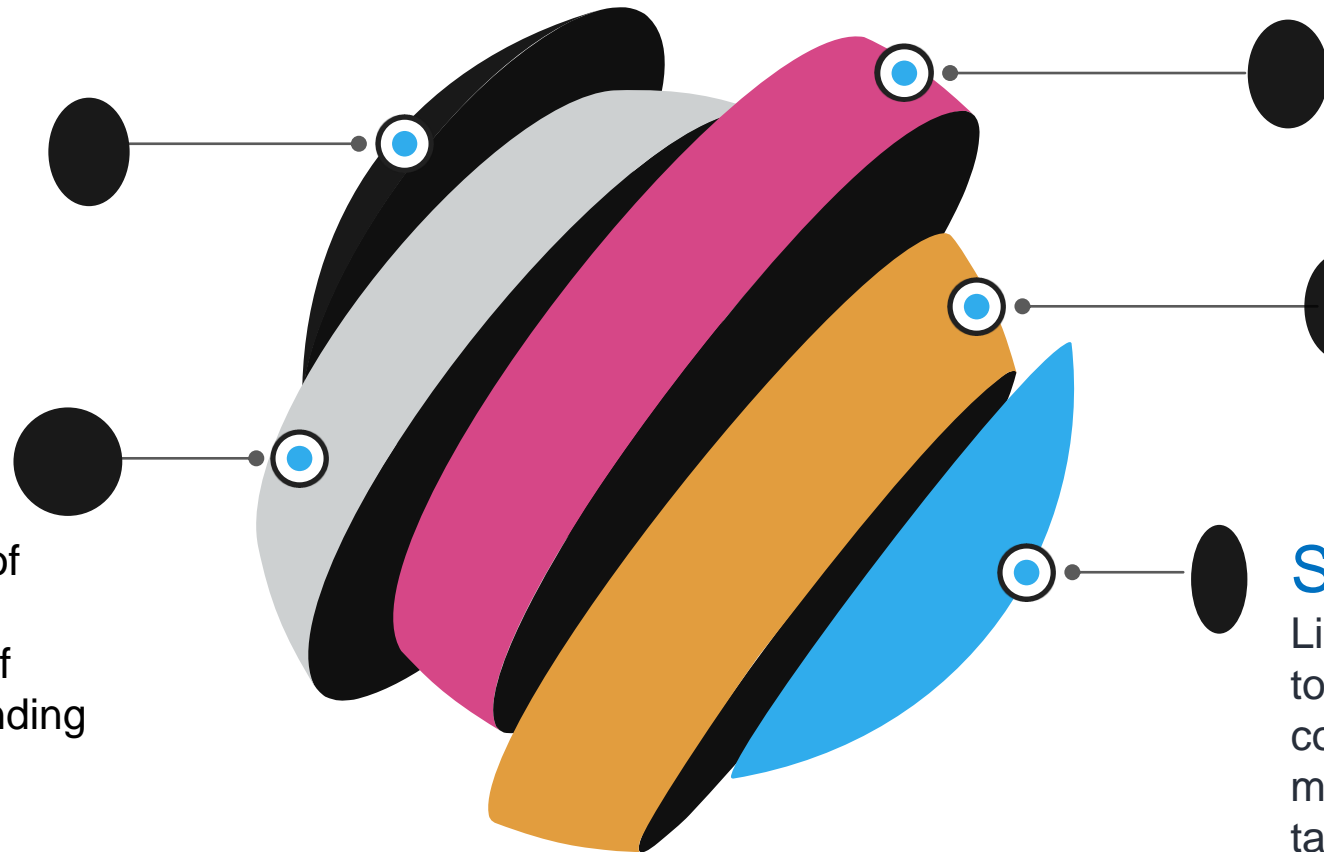
Corporate mindset, fear of failure, risk taking

POLICY GAPS

Startup incentives, SEC, BIR, Financing

SKILLSET

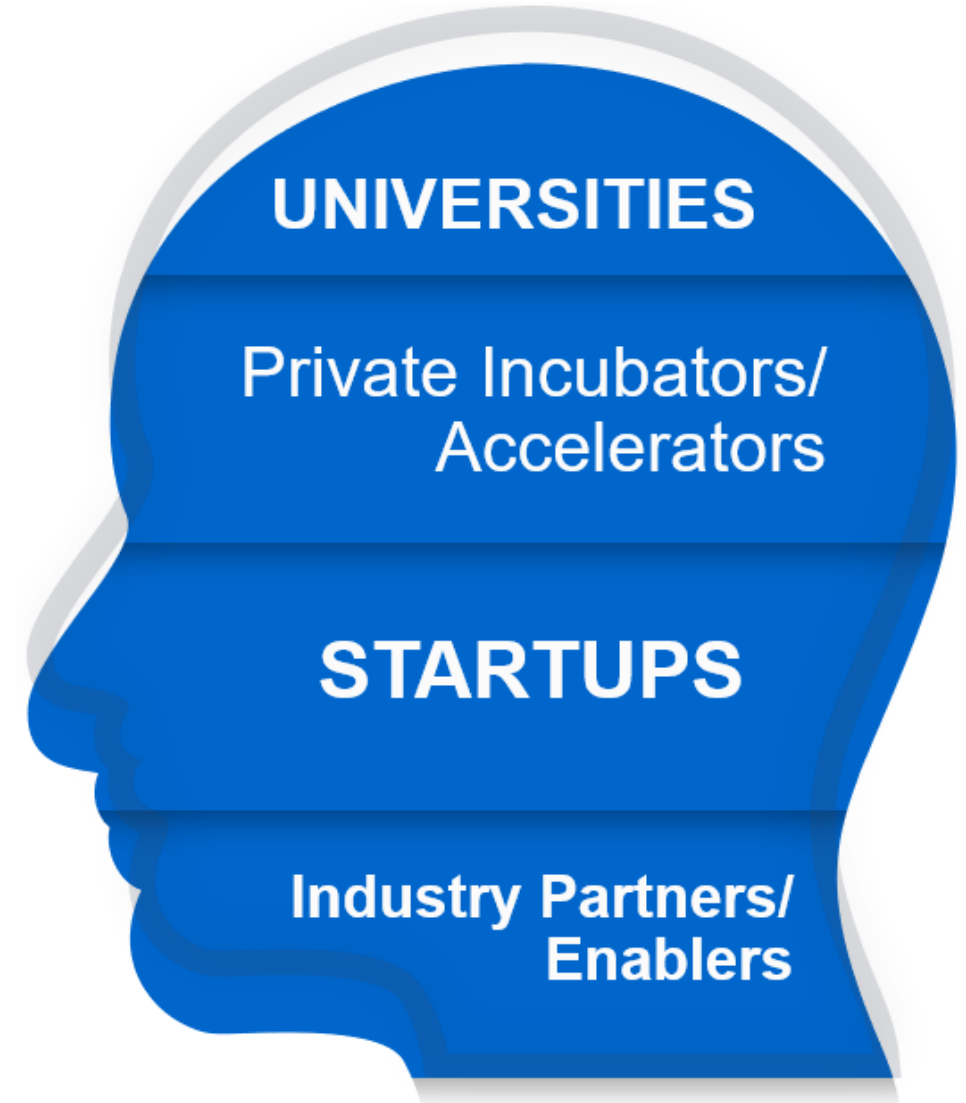
Limited access to Tech-creative courses, mismatch of talent



But...

Government-led Initiatives can be orchestrated for better synergy and wider reach.

Customers
Startups
Investors
Media



2019-2023 Strategic Priorities

COLLABORATION

GUI Integration
Create, Public-Private joint
Programs, maximize funds

POLICY

Resolve issues,
more robust plan

PROMOTION

Storytelling to inspire,
Focus on inclusive
events, Identify
Startup Champions

EDUCATION

Promote Technopreneurship in
Universities, Educate, train
startups, more TBI managers
and startup leaders, involve
more mentors

01

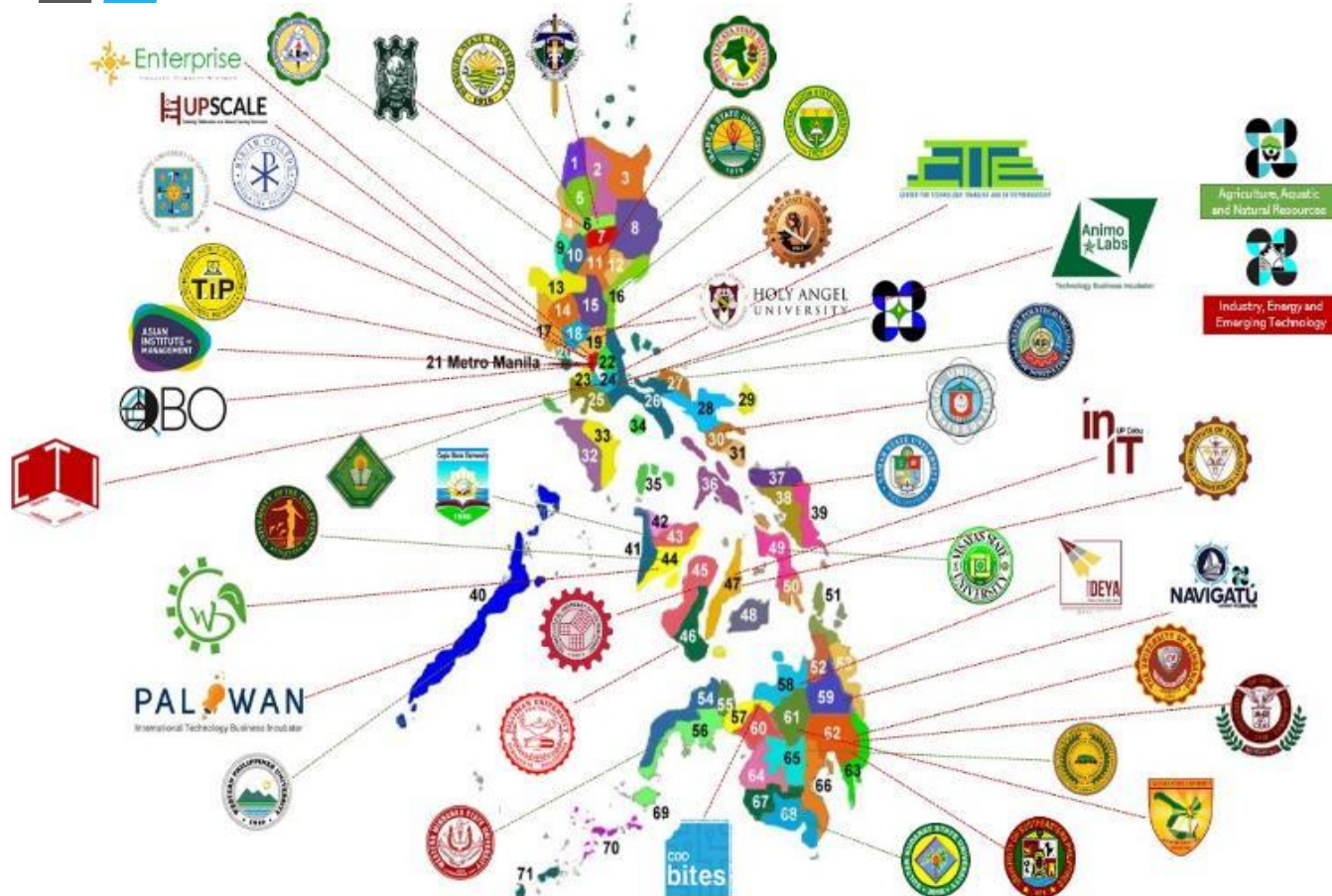
02

03

04

44

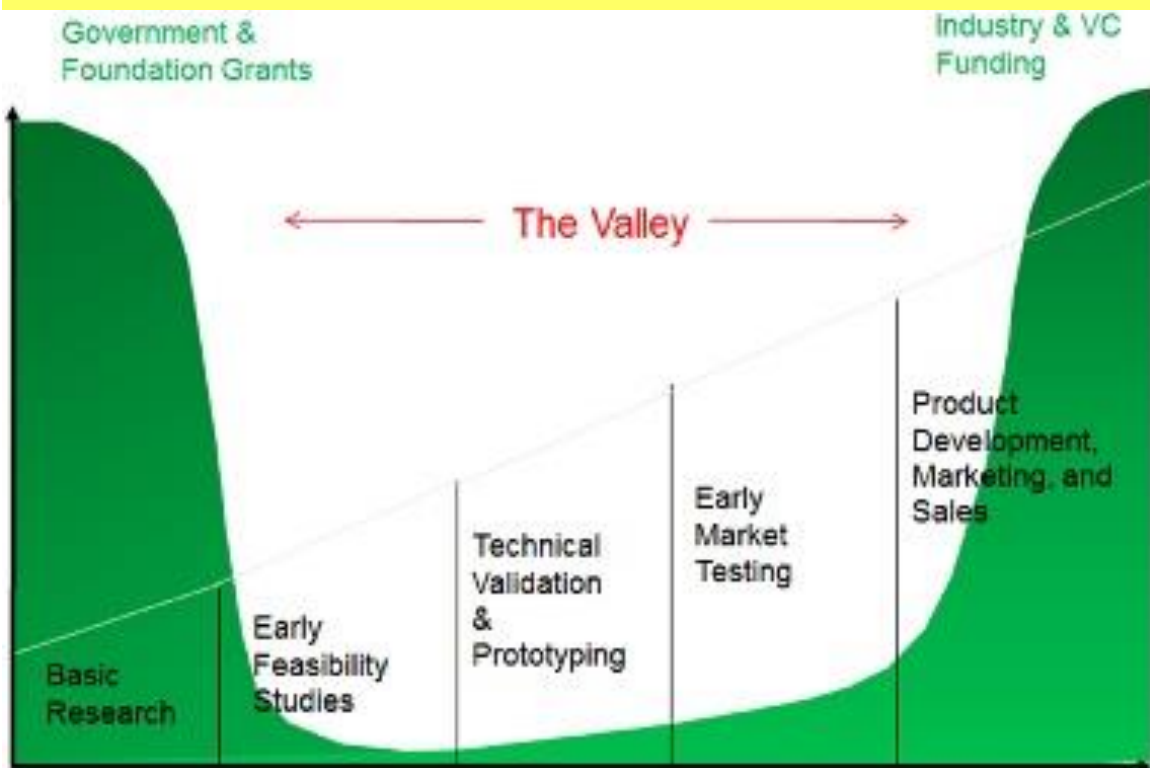
Technology Business Incubators Facilities and Services



- ✓ Nurtured more than **200 startups**
- ✓ Produced more than **70 full blown startup** companies
- ✓ Created over **800 jobs**
- ✓ Generated more than **100 million** in private and government investments
- ✓ Generated over **60 million** in terms of startup revenues

Funding Assistance for Spin-off and Translation of Research in Advancing Commercialization Program (FASTRAC)

Bridging the Gap



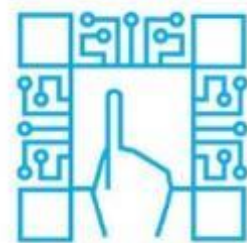
From University Researchers to **Founders**....



CATCH-ALL



CHRG
EV Technologies
I N C.



Smart
Surface



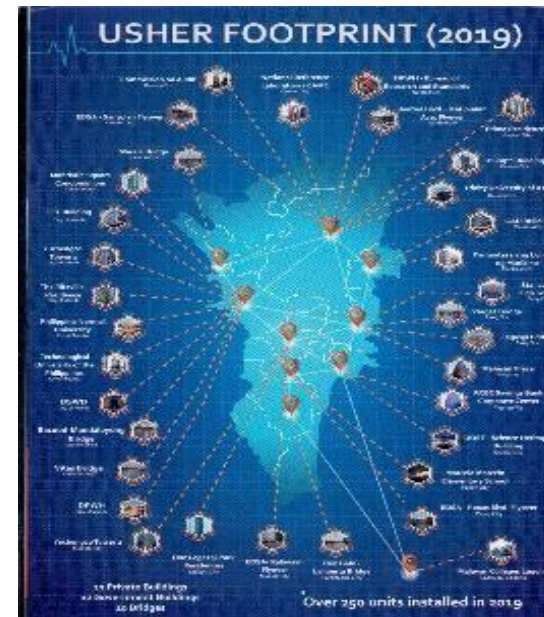
Fish-i

Universal Structural Health Evaluation and Recording (USHER) System

A next generation structural health monitoring system



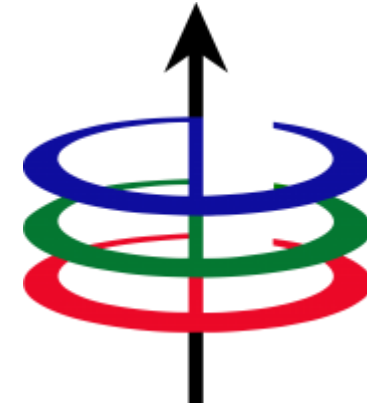
MAPUA
UNIVERSITY



- Easy to install
- Cost-effective
- Low maintenance
- Locally fabricated

Charging in Minutes (CharM)

A fast charging system that can fully charge electric tricycles in 30 minutes



UP Diliman Electrical and Electronics Engineering Institute





Organo minerals for economical and eco-friendly domestic waste water treatment and strong odor control





Manila HealthTek Inc.



Biotek-M™ Dengue Aqua Kit

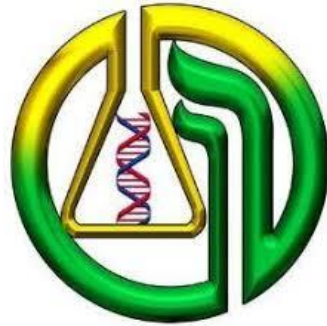
“A diagnostic test designed to detect dengue infections in serum/plasma samples”



2016 Gregorio Y. Zara Medal, Outstanding Technology Commercialization Award
2018 Gold Medalist, 46th International Invention Exhibition, Geneva Switzerland
2019 Gawad Dagisik Award for Health Technology development and Commercialization



ACTICon™



A biopesticide product, effective in controlling Fusarium wilt or Panama disease. This deadly disease is caused by the fungal pathogen *Fusarium oxysporum* f.sp. cubense (Foc), which typically attack Cavendish bananas.



With **ACTICon™**

A biocontrol agent against fusarium wilt in Cavendish bananas

PHL LEAPS in GII RANK

(from 2018 to 2019)



#20: Trade, competition & market scale (from #30 in 2018)



#40: Creative Goods & Services (from #104 in 2018)



#71: Innovation linkages (from 93 in 2018)



#14: Knowledge Absorption (from #32 in 2018)



#25: University/Industry research collaboration (from #56 in 2018)

Republic Act No. 11337

“Innovative Startup Act”

Providing Benefits and Programs to Strengthen, Promote and Develop the Philippine STARTUP Ecosystem



S. No. 1532
H. No. 8862

Republic of the Philippines
Congress of the Philippines
Metro Manila
Seventeenth Congress
Third Regular Session

Begun and held in Metro Manila, on Monday, the twenty-third day of July, two thousand eighteen.

[REPUBLIC ACT NO. **11337**]

AN ACT PROVIDING BENEFITS AND PROGRAMS TO STRENGTHEN, PROMOTE AND DEVELOP THE PHILIPPINE STARTUP ECOSYSTEM

Be it enacted by the Senate and House of Representatives of the Philippines in Congress assembled:

CHAPTER 1

GENERAL PROVISIONS

SECTION 1. *Short Title.* – This Act shall be known as the “Innovative Startup Act”.

SEC. 2. *Declaration of Policy.* – It is hereby declared the policy of the State to foster inclusive growth through an innovative economy by streamlining government and nongovernment initiatives, in both local and international