



# Introduction to Venture Center

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November 2023



Seeding Tomorrow's Enterprises Today



# Venture Center

India's Leading Inventive Enterprises Incubator

## About us

*Venture Center is a section 8 non-profit incorporated as Entrepreneurship Development Center on 10 Jan 2007, hosted by CSIR-NCL and the first incubator in CSIR.*

*We are approved by NSTEDB and BIRAC (Govt of India).*

# Accolades



**National Award for Technology Business Incubator, 2015**



**Asian (AABI) Incubator of the Year Award, 2018**



**ISGF Certificate of Merit for Smart Incubator 2018**



**National Entrepreneurship Awards, 2019**



**No. 1 Bioincubator in BSI, 2021**



**Best Incubator for Nurturing IP Award, 2022**



# Our Mission

**“ To nucleate and nurture world-leading inventive ventures emerging out of India that solve the globe's most pressing problems with science and technology-led interventions ”**



# Focus Areas

***We focus on promoting inventive enterprises and spin-offs from R&D institutions. We are sector agnostic but our strengths lie in science based technologies.***



***Health &  
Rehabilitation***



***Energy &  
Environment***



***Engineering &  
Automation***



***Agriculture &  
Nutrition***

# Emerging Sectors in Pipeline



**Circular Economy**



**Biopharma/  
Advanced Medical  
Biotechnology**



**Digital/IT/ Sensors/  
Electronic Wearables**



**Defence**



**Climate Action/  
Clean Energy**



**CCUS, Energy  
Management**



**Food Security**

# Technology Leadership

Path breaking technologies successfully taken to the market



City scale demo of organic waste conversion to BioCNG



CDSCO approved circulating tumor cell diagnostic solution



Dual powered hand cranked defibrillator



US FDA Approved Spinal Implants



India's top process modeling and simulation experts



Making crops climate resilient using targeted physiology modulating biomolecules



Software platform for commercial drones



Disposable bioreactors for biopharma



CDSCO approved indigenous RT-PCR and antigen tests for COVID-19



# NobleExchange Solutions



*NEX Plant – 350 TPD, Talegaon, Pune*



*“City Waste to City Bus”  
Resource Autonomy from City Waste*

# MyLab Discovery Solutions



**CoviSelf™**  
 COVID-19 Rapid Antigen Self Test Kit  
 TEST YOURSELF. BY YOURSELF.

1 MIN. TO TEST  
 15 MINS. TO RESULT

INDIA'S FIRST COVID-19 SELF TEST KIT



DESIGNED FOR EASY, SAFE & SECURE TESTING

- Safe Tests:** Designed for convenient use in the workplace, at home, and in public spaces.
- Simple Test Design:** No need for gloves or masks. No need to wear a mask or gloves during the test.
- Compact Size:** Compact size, easy to carry and store.
- MyLab CoviSelf™ Test:** MyLab CoviSelf™ Test is a rapid antigen test that provides results in 15 minutes.

4 EASY STEPS IN THE COMFORTS OF YOUR HOME

- Step 1: Dip the swab into the sample and safely read.
- Step 2: Dip the swab into the buffer and mix.
- Step 3: Add 2 drops of the mixture to the test strip.
- Step 4: Put the test strip in the device and read the result.

Additional support from 170+ labs can be tested with MyLab CoviSelf™ Self-test kit by an adult.

Approved MyLab CoviSelf™ ACE

MyLab CoviSelf™ ACE is a rapid antigen test that provides results in 15 minutes.

MyLab CoviSelf™ ACE is a rapid antigen test that provides results in 15 minutes.





# Tarana Wireless



## Wireless Home Broadband Venture Tarana Valued at \$1 Billion

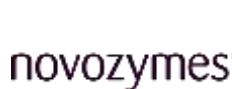
- Company fully funded and could IPO as soon as 2023, CEO says
- Khosla Ventures and Prime Movers Lab led \$170 million round

By Thomas Seal  
23 March 2022, 16:30 GMT+5:30

Tarana Wireless Inc.'s valuation has more than doubled to \$1 billion on the promise of technology that can beam broadband into homes with speeds that compete with fiber connections.



Soft landing companies at Venture Center



# Fact file \* As of July 2023



## Extensive experience working with startups

**17**

*Years of experience*

**750+**

*Start-up teams in programs*

**175+**

*Resident incubatees*

**11**

*Spinoff companies*

## Highly engaged community

**200+**

*Mentor/ Experts community*

**200+**

*Events conducted / year*

## Resources & Assets

**>60K**

*Sq. ft*

**60+**

*Team size*

**9**

*Resource Centers*

## Special strengths

*IP Facilitation & Tech Transfer*

*Regulatory Facilitation*

*Advanced Prototyping*

*Analytical Facilities*

# Impact

\* Data for **current** resident & associate incubatees of each FY



## Entrepreneur inclusiveness and quality

<b>27%</b>	<i>Women Founders</i>
<b>19%</b>	<i>Women Enterprises</i>
<b>85%</b>	<i>Founders with higher degrees</i>

## Economic Impact

**~698Cr**

*Risk capital mobilized in past 8 yrs*

**~1711 Cr**

*Revenue generated in last 8 yrs*

## High touch mentoring to S&T focused early stage startups

**85%**

*Startups still active*

**90%+**

*Startups at concept, PoC or prototype.*

**75%+**

*Startups with inventive products*

**>140**

*Unique families of patents filed*



**Venture Center provides comprehensive support to promote early stage ideas, startups and entrepreneurs through its diverse and impactful ecosystem.**



# A Complete Ecosystem



## Mentoring



## Funding

*Fellowships, PoC and Prototyping grants, Seed funds, CSR*

## Infra Facilities

*Dedicated Labs, Offices, Discussion & event rooms.*

## Information

**VENTURE CENTER LIBRARY**  
*Funding database*

## Partnerships

- Design & Prototyping,
- Trial Manufacturing,
- Finance, Legal, HR



## Plug and play labs



*Hotlabs*

## Prototyping



## Testing & Analysis



## Regulatory



## Tech Transfer & IP



## National Programs



# Example: Ecosystem for MedTech



A whole suite of facilities or medtech product development at Venture Center campus

Proof Of  
concept



Prototyping



DST PRAYASHALA

Regulatory  
Pathways, CT  
planning



Trial Manufacturing,  
Sterilization and  
Packaging



Creating a **Continuous** Ecosystem for MedTech

# For early stage entrepreneurs



## Preparation

- ✓ Talks: Info, Inspiration
- ✓ City Camps
- ✓ Playbook
- ✓ Databases
- ✓ Student clubs
- ✓ Training, Startup 101
- ✓ Library
- ✓ Immersion Fellowships

## Launch

- ✓ EIR fellowships
- ✓ Lab2Mkt
- ✓ Match Makers (with Founders, Funds)
- ✓ Ignition Program, Pre-incubation
- ✓ Pre-POC funding support
- ✓ Launch Pad
- ✓ Peer-to-Peer networks

## Develop, validate, protect

- ✓ Resident incubation
- ✓ POC/ prototyping grants
- ✓ Proto Alpha Accelerator
- ✓ Scientific and prototyping support
- ✓ Analytical support
- ✓ IP and tech transfer support

## Market entry

- ✓ Clinics
- ✓ Venture Base Camps
- ✓ Seed funding
- ✓ Deployment/ demonstration grants
- ✓ Regulatory facilitation
- ✓ MedTech Clean Room; CBA
- ✓ India Exploration Program

## Scaling

- ✓ Investor Readiness Program
- ✓ Meet the Investor series
- ✓ Going Global Program
- ✓ Match Makers (with Corporates)
- ✓ Mfrg Facility Transition Program
- ✓ Soft Landing Program

# Incubatee Snapshot

6%

Engineering

56%

Health

16%

Sustainability

14%

Agro

8%

Others

## Medical Devices



## Diagnostics



## Therapeutics



## Energy & Environment



## Agro & Nutrition



## Engineering & Automation



## Ecosystem Partners

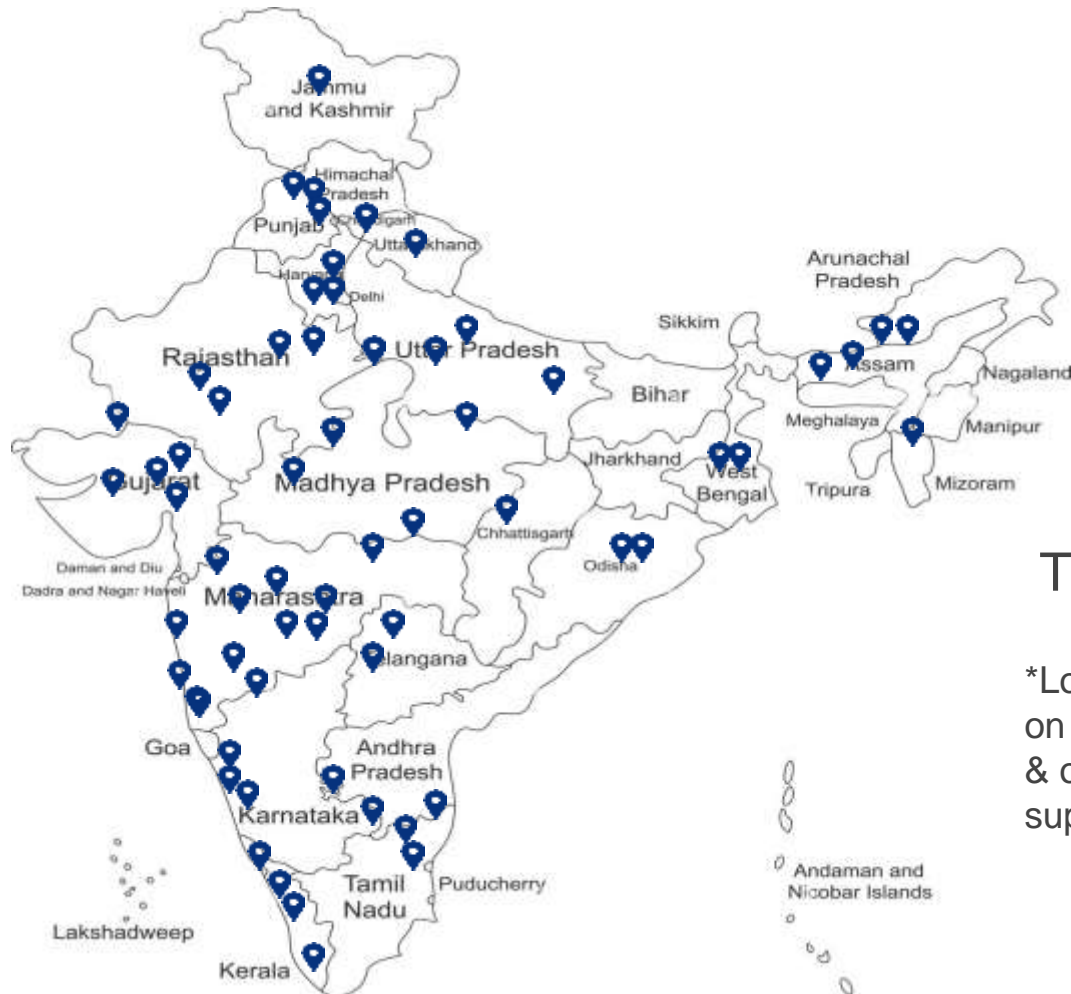




# Spin-outs from National Labs



# Our Reach



Touching **22\*** States

\*Locations of mentees and city camps based on data as of Dec 2022 for various mentoring & outreach programs including those supported by DST, BIRAC, AIM etc

# The Board of Directors (BOD)



**AK Lele**  
*CSIR-NCL*



**HK Mittal**  
*Ex-NSTEDB, Gol*



**AT Kusre**  
*IIT-B; ex-ICICI*



**Srikant Sastri**  
*TiE-Delhi; IAN; Entrepreneur*



**Satya Dash**  
*bigtec, Ex-BIRAC; Ex-PATH*



**Premnath V**  
*CSIR-NCL*



**Sanjay Kanvinde**  
*Angel Investor and Founder, Lavni Ventures; Ex- Schlumberger*



**Vilas Sinker**  
*Ex-Vice President R&D Unilever*



**Rajan Srikanth**  
*Co-President, Keiretsu Forum Chennai & Singapore; Chairman and MD, SmartKapital*

# Key Founder & Mentor: Premnath V, PhD



**Premnath V, PhD**

Founding Director, Venture Center  
Head, NCL Innovations, CSIR-NCL  
Chief Scientist, CSIR-NCL

## Education & training

- PhD (MIT, USA)
- B Tech (IIT-Bombay)
- Chevening Technology Enterprise Scholar in UK (Centre for Scientific Enterprises Ltd, LBS and UCL, London; Worked with Academic Spinoff at Cambridge)
- Registered Technology Transfer Professional (RTTP)

## Invention, technology development & commercialization

- Materials for total joint replacements (Zimmer: **More than 1 million hips implanted**)
- Cranio-maxillo-facial porous polyethylene implants (Biopore: Several thousand implanted)

## Innovation management & leadership; Startup mentor

- Founding Director, Venture Center (Inventive enterprises incubator)
- Founder HOD, NCL Innovations Resource Center at CSIR-NCL
- Ex-Head, IP Group, CSIR-NCL
- First Director, CSIR-Tech Pvt Ltd (Tech commercialization company for CSIR)

## Scientific entrepreneurship

- Cofounder & Member of the Board, Serigen (Silk fibroin based tissue engineering)
- Cofounder, Orthocrafts (Synthetic biodegradable implants)

## Non-profit management experience

- Founding Team/ Coordinator, Asha for Education Chapters in Boston and Pune; Engaged with several non-profits working with basic education of underprivileged children.
- Founder Director, Venture Center (a Section 8 company)

## Committees

- Government: DBT, BIRAC, DST, NSTEDB, TIFAC, IUSSTF, DSIR, AGNii, GSBTM....
- Institutions: CSIR, DST-ARCI, DBT-THSTI/RCB, SPPU, BAMU, ....
- Associations: ABLE, IDMA, IPUA, FICCI, CII, PIC, ....



# Supporting Partners



## Foundational and Agency Partners



## National Missions



# Supporting Partners



## CSR Partners



eppendorf



LexInnova



Enriching Lives



Cognizant



# Facility Images





# Facility Images

Front View - Venture center



Reception Area



NIP Boardroom



Venture Center Library



Lecture Theatre



Conference Room





# Thank you!

## *Contact information:*

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+91-91722-32211

100, NCL Innovation Park, Dr Homi Bhabha  
Road, Pashan, Pune – 411008 India

Web: [www.venturecenter.co.in](http://www.venturecenter.co.in)

## *Connect on social media:*



**Back-up Slides.**

# Startup Founders Council (as of Nov 2023)



**Renuka Diwan**

*Chair*

*Bioprime*



**Anuya Nisal**

*Co- Chair*

*Serigen*



**Parul Ganju**

*Member*

*Ahammune*



**Tanuj Gigras**

*Member*

*Nayam Innovations*



**Aniruddha Atre**

*Member*

*Jeevtronics*



**Madhur Motwani**

*Member*

*Proxi Farma*



**Shubham Singh**

*Member*

*Fuma Labs*



**Ashwin Shankar**

*Member*

*BatteryPool*



**Vaishali Kulkarni**

*Member*

*KBCols*



**Neha Jacob**

*Convenor*

*Venture Center*

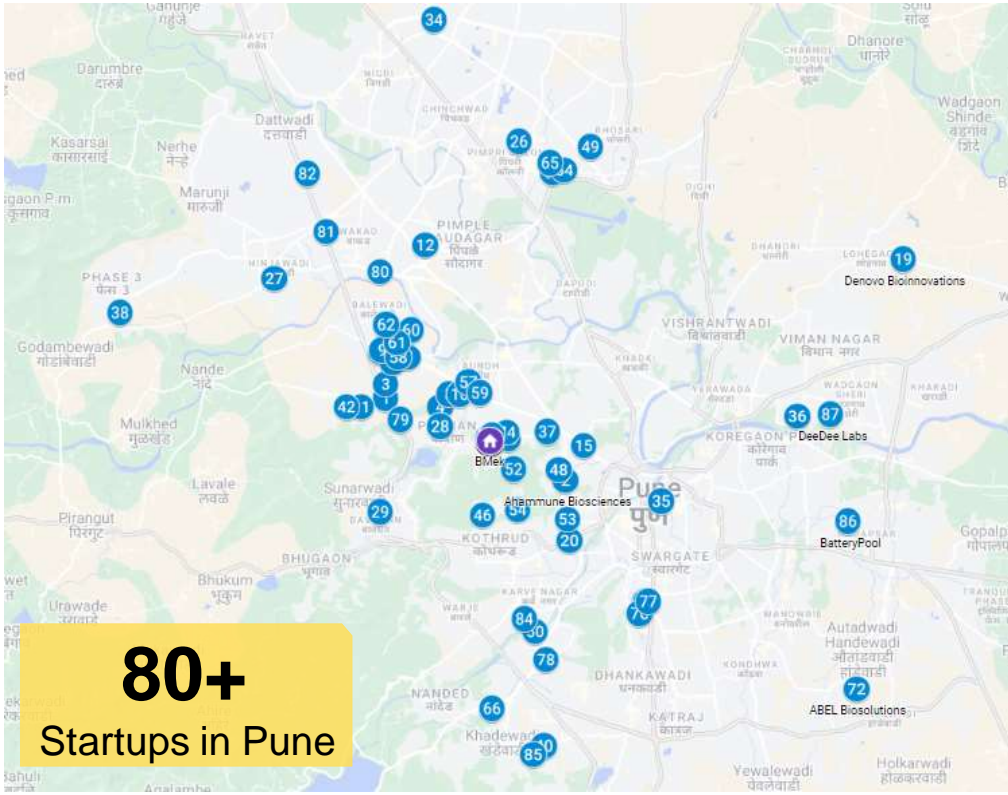


**Soma Chattopadhyay**

*Co- Convenor*

*Venture Center*

# Venture Center Startups in Pune's Ecosystem



- 1 PadCare
- 2 Ahammune Biosciences
- 3 Nayam Innovations
- 4 SynThera Biomedical
- 5 Mylab Discovery Solutions
- 6 Gram Oorja Solutions
- 7 AbGenics Lifesciences
- 8 Virtual Sense Global Techno
- 9 FlytBase Labs
- 10 Shantani Proteome Analytic
- 11 Noble Exchange Environmer
- 12 Accensible Solutions
- 13 ZeroPlast Labs
- 14 Annweshan SciTech
- 15 Baheti & Somani
- 16 Barefeet Analytics
- 17 BMek
- 18 CyGenica
- 19 Denovo Bioinnovations
- 20 Dsh Design (OPC)
- 21 Exocan Healthcare Technol
- 22 FastSense Diagnostics
- 23 Fluorogent Analytics
- 24 G2B BIOLOGICS
- 25 GenPep Pharmaceuticals
- 26 Gingigraf
- 27 Go Vidyouth
- 28 GPC Lifesciences
- 29 Gyrodrive Machineries
- 30 Heelium Sports
- 31 Helios IOT
- 32 Helium Consulting
- 33 Hydrovert Energy
- 34 Innovation Biologicals
- 35 Intignus Biotech
- 36 Invictin Technologies
- 37 IPUA Technical Center
- 38 JyoSH AI Solutions
- 39 Kozhnosys
- 40 MediAsha Technologies
- 41 Noble Exchange Environment
- 42 Proximal Soilsens
- 43 PURITY Agro Products
- 44 Purple Matter
- 45 Sarvosadhi Biotech
- 46 Seagull BioSolutions
- 47 SH forHealth Solutions
- 48 Shapecrunch
- 49 SNRASSYSTEMS
- 50 Solitarius Biologicals
- 51 Spot Healthcare Solutions
- 52 Tarana Wireless India
- 53 Trisim technologies
- 54 Utopic Tech
- 55 Vidcare Innovations
- 56 Wissenkraft Labs
- 57 Pratiti Technologies
- 58 Xgro Technologies
- 59 Embryo Technologies
- 60 Afferent Wearable Technology
- 61 Prayasta 3D Inventions
- 62 Periwinkle Technologies
- 63 Avieum Life Sciences
- 64 KBCOLS SCIENCES
- 65 Genrich Membranes
- 66 BioPrime AgriSolutions
- 67 Prognostics In-Med
- 68 Sys3E Technologies
- 69 VIVIRA Process Technologies
- 70 Fuma Labs

\*Locations of startups associated with Venture Center through various programs as of Jan 2023 including those supported by DST, BIRAC, AIM etc

# Reach via key programs



**AIM PRIME**  
The Cohort  
Represents  
22 different  
cities across  
7 States

## IMPACT MAP OF GRANTEES



**Biotechnology  
Ignition Grant  
(BIG)**

## IMPACT MAP OF BENEFICIARIES



**BIRAC**  
Regional Bio-  
innovation  
Center  
(BRBC)

Spreading our  
impact all over  
India through our  
various programs!

## PROGRAM REACH

