



Introduction to Venture Center



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), iDEX (Ministry of Defence) & MSInS (Govt. of Maharashtra)

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 Purpose

"To nucleate and nurture world-leading inventive ventures emerging out of India that solve the world'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

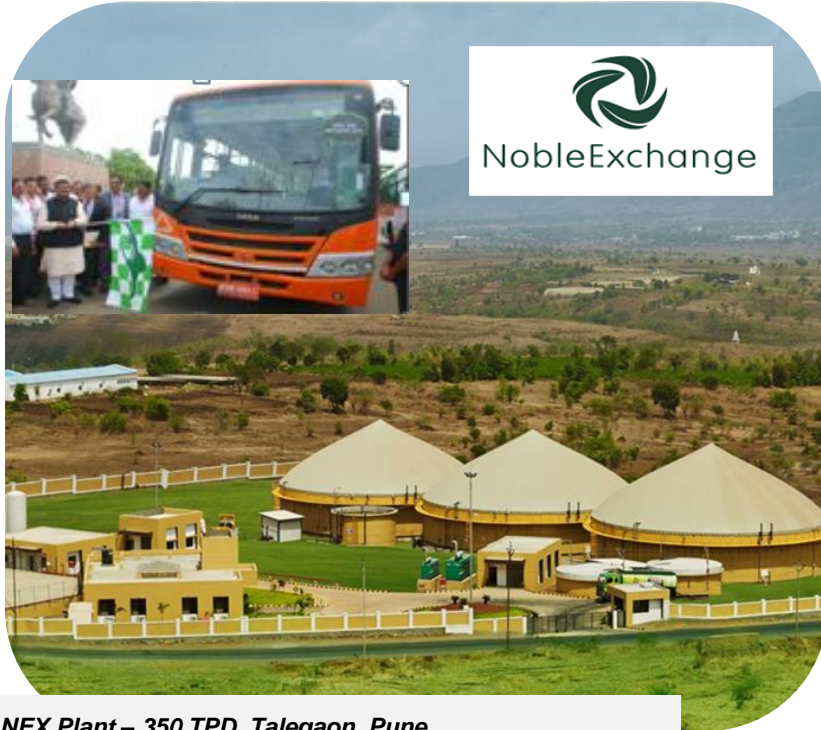


Disposable bioreactors for biopharma



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



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 Swab**
 - Designed for convenient and safe sampling
 - Breaks and returns in tube to prevent cross-contamination
- Smart Tube Design**
 - Pre-filled with solution to inactivate the virus
 - Tube contains info display with accurate drop size
- Unique QR Code**
 - Links each test kit with its result for traceability
 - Prevents user to check that the kit is genuine
- MyLab CoviSelf™ App**
 - Download app and upload results

4 EASY STEPS IN THE CONVENIENCE OF YOUR HOME

- STEP 1** Register in the app and take sample with safe swab
- STEP 2** Put the sample in a tube, break swab and close the nozzle cap
- STEP 3** Add 2 drops, wait for 15 min, upload through app to get the report
- STEP 4** Put kit contents in the disposal bag and discard

Children aged from 2 to 18 years can be tested with MyLab CoviSelf™ Self-test kit by an adult.

Download MyLab CoviSelf™ App

Scan for a video demonstration of how to use the kit

RSV COMBINE
08002383000 | 020-45320000
www.mylabdiscovery.com

Available at
pharmacies
near you

Buy online on
Flipkart



Tarana Wireless



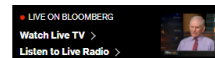
Wireless Home Broadband Venture Tarana Valued at \$1 Billion

- 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



Battelle



Fact file



Extensive experience working with startups

18

*Years of
experience*

1000+

*Start-up teams in
programs*

300+

*Resident
incubatees*

11

*Spinoff
companies*

Highly engaged community

200+

*Mentor/ Experts
community*

200+

*Events
conducted / year*

Resources & Assets

>60K

Sq. ft

70+

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

28%

Women Founders

23%

Women Enterprises

85%

Founders with higher degrees

Economic Impact

~837Cr
(~ \$99M)

*Risk capital
mobilized in past
9 yrs*

~2031 Cr
(~ \$240M)

*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*

>180

*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



Plug and play labs



National Programs



Funding

Fellowships, PoC and Prototyping grants, Seed funds, CSR



Prototyping



Infra Facilities

Dedicated Labs, Offices, Discussion & event rooms.



Testing & Analysis



Information



Funding database



Regulatory



Partnerships

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



Tech Transfer & IP



Snapshot of our Resource Centers



2009



Plug n Play labs with well maintained instruments

Advanced facilities for microscopy and imaging, flow cytometry, cell growth studies and tissue engineering

2015



Projects focused on electronics, instrumentation, optics and the related prototyping and design

All in one innovation center: design, build, test, certify and manufacture your project under one roof.

2019



Services for manufacturing and packaging of medical devices and diagnostics for the purpose of clinical investigations or tests or evaluation or demonstration or training

DIY facility with focus on cutting, drilling and engraving wood, hybrid & sustainable materials

2022



2014



Analytical & Validation

2013



Mass Spectrometry Services

2018



Measurement and testing services

2019



Complete characterization of Biopharmaceutical Product/Biosimilar

Advisory Services

2010



Provide IP related services for entrepreneurs and MSMEs.

2018



Assist in planning, seeking and securing regulatory approvals.

2019



Technology commercialization and consulting services

Information & Learning

2013



Highly curated library for the entrepreneurial ecosystem in and around Pune

Example: Ecosystem for MedTech



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

Proof Of
concept

Prototyping

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
- ✓ Leap Global Program
- ✓ Match Makers (with Corporates)
- ✓ Mfrg Facility Transition Program
- ✓ Soft Landing Program

Incubatee Snapshot

5%

Engineering

56%

Health

24%

Sustainability

13%

Agro

2%

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, GoI



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 Sinkar
*Ex-Vice President
R&D Unilever*



Manisha Premnath
*COO and GM,
Venture Center*

Permanent
Board Invitee



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



Maharashtra
State Innovation
Society



Supporting Partners



CSR Partners



eppendorf



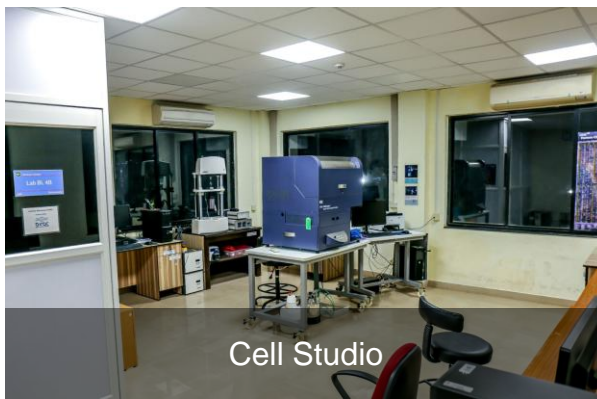
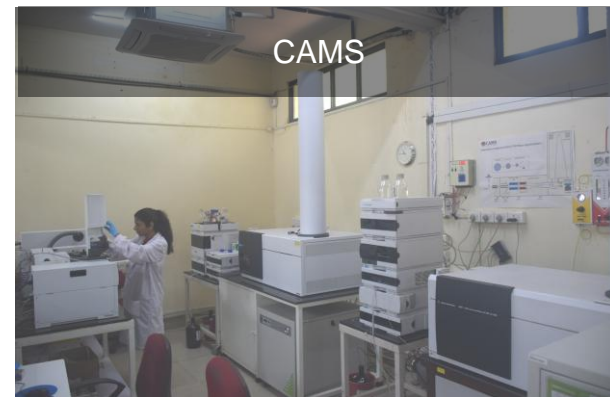
Enriching Lives



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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Pashan, Pune – 411008 India

Web: 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

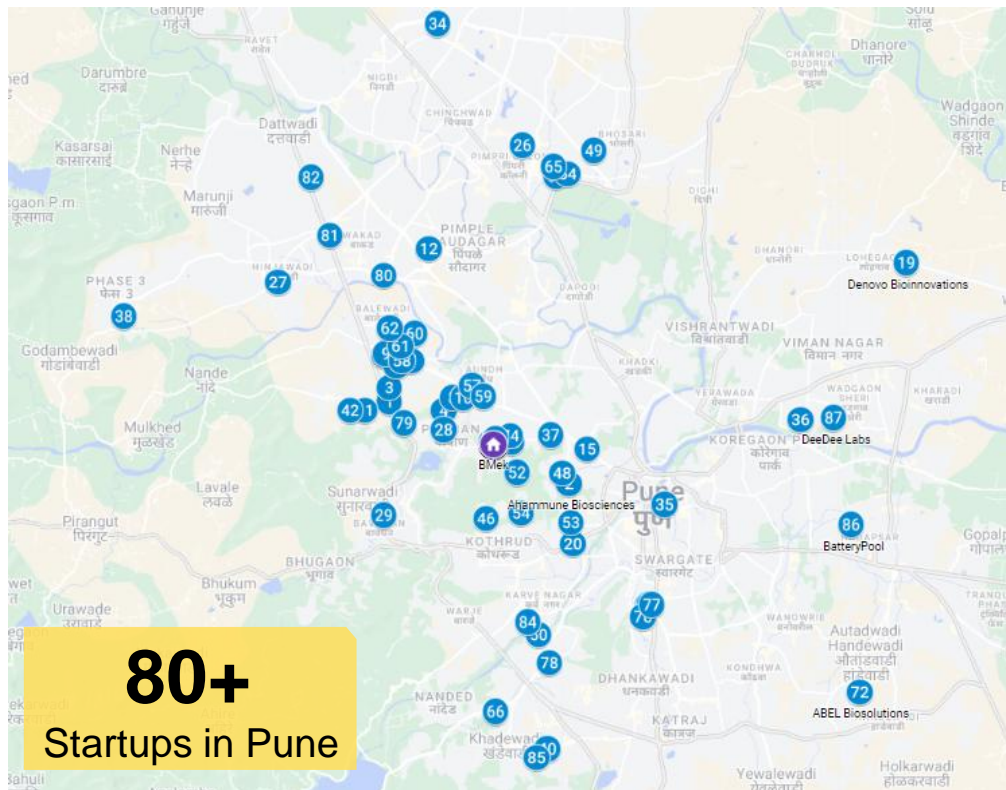


Soma Chattopadhyay

Convenor

Venture Center

Venture Center Startups in Pune's Ecosystem



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

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

Reach via key programs



AIM PRIME
The Cohort
Represents
22 different
cities across
7 States

IMPACT MAP OF GRANTEES

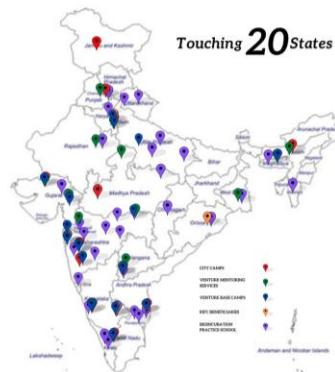
BIG

Present in **11** States



**Biotechnology
Ignition Grant
(BIG)**

IMPACT MAP OF BENEFICIARIES



Touching **20** States

BIRAC
Regional Bio-
innovation
Center
(BRBC)

Spreading our
impact all over
India through our
various programs!



PROGRAM REACH



EIR
Locations of
Program
Execution
Partners

Campus Life



Swinging away on the swing



Engaging in a game of table tennis



Some me time with the books at the library



Connecting with the nature



Playing with Tuffy or Sippy



Chai time with your buddies in the Innovation Cafeteria



A leisurely walk around the campus.



A scenic walk towards our nakshatra garden

In-house Publications



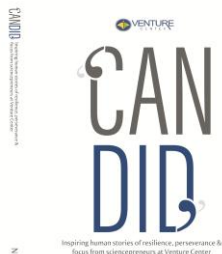
Candid is a compilation of stories of grit, perseverance and determination of three of India's upcoming science-based entrepreneurs. Nurtured at Venture Center, India's top technology business incubator, these entrepreneurs share their triumphs and struggles through real-life instances. Starting with 'Indigenous' Solutions, which was the first startup to be incubated at Venture Center, the book describes what it took for each one of them to reach where they are today.

From healthcare to climate action to social impact, this book profiles entrepreneurs from the deep science to technology sectors. The Indian deep-tech and science-based entrepreneurship ecosystem is still in a nascent stage, especially when compared with those in the United States, Europe or Israel. Venture Center realises how important it is to highlight success stories that will serve as an inspiration for the next generation of students, scientists, researchers and entrepreneurs to build more such innovative ventures that take on challenges of global relevance.

authors
UPFRONT



N Ramakrishnan



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In April 2021, Aul Innovation Mission (AIM), VIT-eling, in collaboration with the Bill & Melinda Gates Foundation launched AIM-PRIME (Program for Researchers on Innovation, Market Readiness and Entrepreneurship), implemented by the Venture Center. Our PRIME programme was aimed at promoting science-based, deep technology ideas to market, through training and guidance over a period of 12 months.

The programme included several key events and facilitation activities on various topics related to the lab-to-market journey. These lectures provide diverse and at times contradictory advice on several aspects of the journey. Just as the lab-to-market journey around an startup described is an anything-from-the-sky-to-earth to make, perspectives often based on the type of start-ups and the stage of the entrepreneurial journey must familiar to the speaker.

AIM-PRIME Playbook is synthesised based on the knowledge shared by these experts as well as additional content contributed by the Chief editor. It aims to be a comprehensive resource for academic researchers, entrepreneurs and incubators involved in building science-based enterprises from lab-to-market.

Aul Innovation Mission, VIT-eling and Venture Center are grateful to the Bill & Melinda Gates Foundation for extending their support to this initiative.

authors
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AIM PRIME PLAYBOOK

A practical guide to science-based entrepreneurship



EDITED BY HIRAN VEDAM



Investors

