



Introduction to Venture Center

September 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).

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

Accolades



Best Incubator for Nurturing IP Award, 2022



No. 1 Bioincubator in BSI, 2021



National Entrepreneurship Awards, 2019



Asian (AABI) Incubator of the Year Award, 2018



ISGF Certificate of Merit for Smart Incubator 2018



National Award for Technology Business Incubator, 2015



Our Mission

"To nucleate and nurture world-leading inventive ventures 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.



- **Healthcare**
- **Biotech**
- **Biomed**
- **Life sciences**



- **Energy**
- **Environment**
- **Sustainability**
- **WASH**



- **Engineering**
- **Electronics**
- **Manufacturing services**
- **Engineering services**



- **Agro**
- **Secondary agriculture**
- **Food**
- **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

Key Enabling Initiatives



Incubation
Practice
School



Fellowships

Launchpads



Pre-incubation, Associate Incubation, Resident Incubation

Social Incubation, Bio-incubation, Lab2Mkt Program

Databases

Lab2Mkt

Soft Landing Program

AIMPRIME
program

Student Clubs

BIG Grant, PRAYAS Grant, Seed Funding, Meet the investor

M-clinics, Venture Base Camp, Investment Readiness Program

Success Stories

Path breaking technologies successfully taken to
the market

1st in India



City scale demo of organic waste conversion to BioCNG

1st in India



CDSCO approved circulating tumor cell diagnostic solution

1st in World



Dual powered hand cranked defibrillator

1st in India



US FDA Approved Spinal Implants

1st in India



India's top process modeling and simulation experts

1st in India



Making crops climate resilient using targeted physiology modulating biomolecules

1st in India



Software platform for commercial drones

1st in India



Disposable bioreactors for biopharma

1st in India



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

NobleExchange Solutions



NobleExchange



NEX Plant – 350 TPD, Talegaon, Pune



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

MyLab Discovery Solutions



www.coviself.com

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 comfort and ease of handling
- Breaks and contains in tube to prevent biohazard

Smart Tube Design

- Pre-filled with solution to facilitate the test
- Tube contains anti-dropper with accurate drop size

Unique QR Code

- Links each test kit with the report for traceability
- Allows 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: 0800730000 | 022-45500000

Available at

See online at

Authorized Distributor - For Delhi/NCR: Sushil Tumor 902282004, Alia Pathania 959832031 | For Haryana: Vign: Appalraj 9800790099 | For Punjab / Himachal Pradesh / Chandigarh: Sarajp: Gary 9995920033



Tarana Wireless

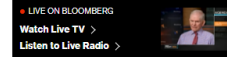


Wireless Home Broadband Venture Tarana Valued at \$1 Billion

- 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



QUINTESSENCE
FRAGRANCES

Battelle



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*

Highly engaged community

>50K

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

27%

Women Founders

19%

Women Enterprises

85%

Founders with higher degrees

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



Infra Facilities

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



Funding

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



Mentoring



Information



Plug and play labs



Partnerships

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



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

Trial
Manufacturing

Sterilization and
Packaging

Testing and
Regulatory



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)
- ✓ Mfg Facility Transition Program
- ✓ Soft Landing Program

Incubatee Snapshot

6% ICT/ Electronics/Engineering

56% Health

16% Clean / Green/ Enviro/ Energy

14% Agro & Industrial Bio

8% Others

Biomed Devices / Implants

Diagnostics

Enviro / Sustainability

Engineering



Agro

Bio-IT & IBT

Bio-pharma

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
BITS; ex-PATH; ex-BIRAC



V Premnath
CSIR-NCL



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



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



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

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)

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



Supporting Partners

CSR Partners



eppendorf



Stanley
Black &
Decker



Enriching Lives



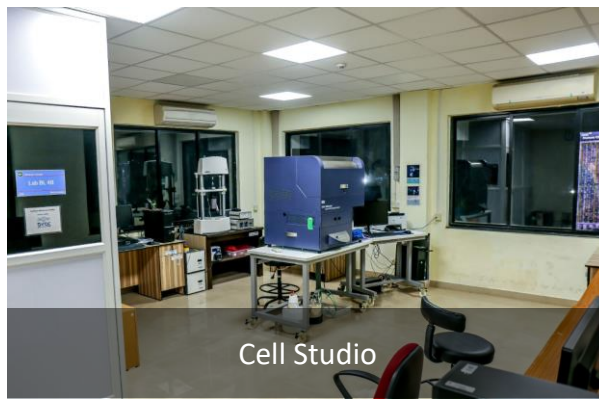
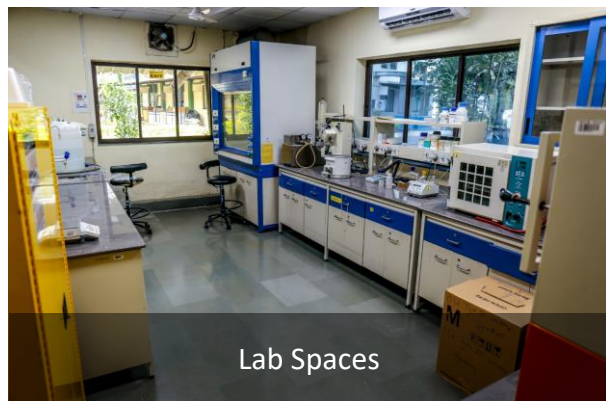
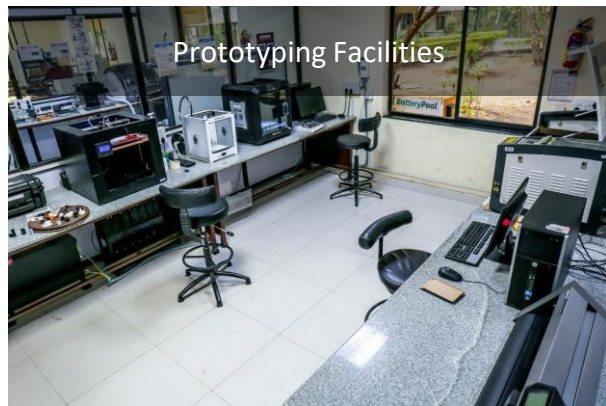
Cognizant



LexInnova



Facility Images



Facility Images

Front View - Venture center



Reception Area



NIP Boardroom



Venture Center Library



Lecture Theatre



Conference Room



Thank you!

Contact information:

Head, Incubation & Mentoring
managerincubator@venturecenter.co.in
+91-91722-32211

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

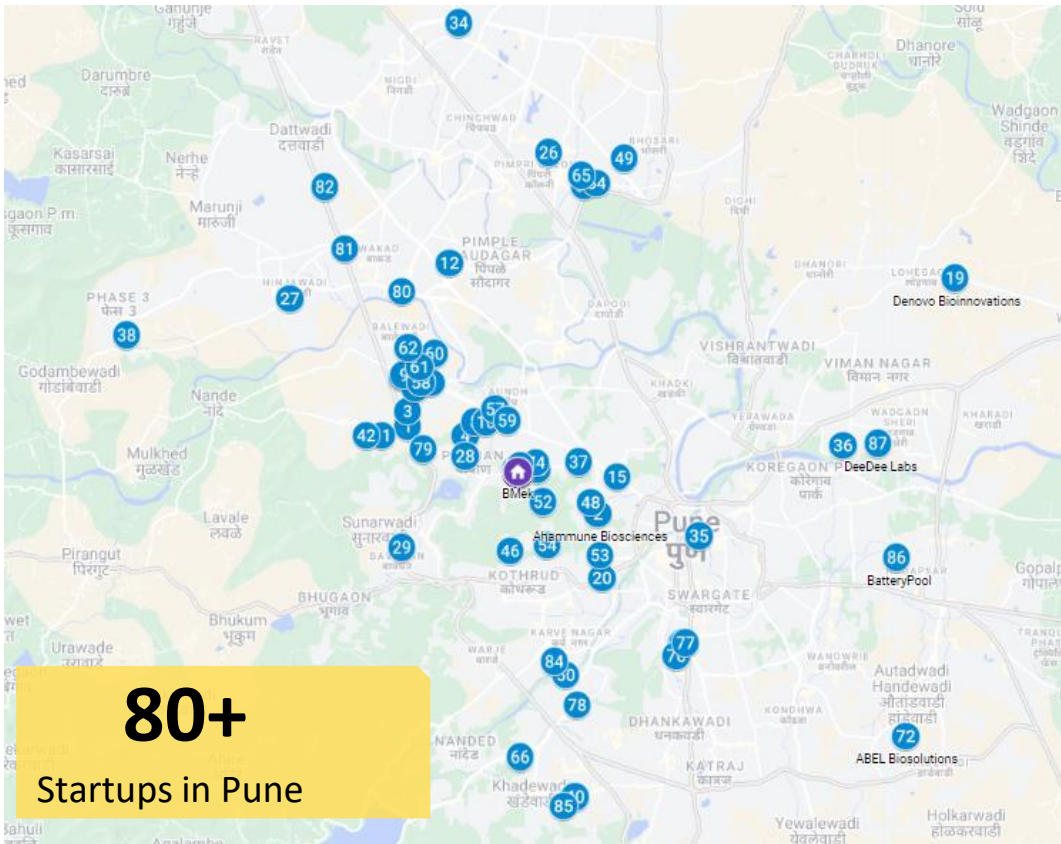
Web: www.venturecenter.co.in

Connect on social media:



Back-up Slides.

Venture Center Startups in Pune's Ecosystem.



- 1 PadCare
- 2 Ahamune 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 Desh Design (OPC)
- 21 Exocan Healthcare Technol
- 22 FastSense Diagnostics
- 23 Fluorogent Analytics
- 24 G2B BIOLOGICS
- 25 GenPep Pharmaceuticals
- 26 Gingigraf
- 27 Go Vid youth
- 28 GPC Lifesciences
- 29 Gyrodrive Machinerics
- 30 Helium 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

Spreading our impact
all over India
through our various
programs!

IMPACT MAP OF BENEFICIARIES



BIRAC Regional
Bio-innovation
Center (BRBC)

IMPACT MAP OF GRANTEES

BIG

Present in **11** States



Biotechnology
Ignition Grant
(BIG)



PROGRAM REACH



EIR
Locations of
Program Execution
Partners