



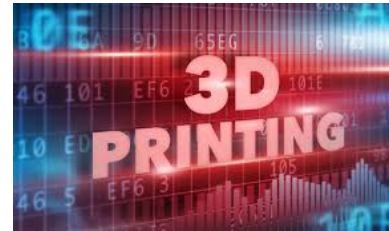
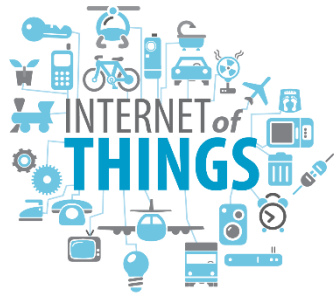
Creating a Vibrant Ecosystem of Innovation & Entrepreneurship for Agri Industry

R. Ramanan
Mission Director,
Atal Innovation Mission

@AimtoInnovate @NitiAayog @rramanan

#AIMtoInnovate

Rapid evolution and fusion of new Technologies impacting Agri landscape



AI / Blockchain / Big Data

Learning new relevant skills and capabilities, leveraging new technologies and innovative new methodologies - critical for job creators / seekers of tomorrow

Giving Rise to Amazing Entrepreneurial Opportunities for Agri Tech Startups



Precision Agriculture



**Farm produce,
Sericulture , Biotech**



Agri Tech skilling



Drone Startups



Automation startups



**ICT / Supply chain
Management / Storage startups**

Doubling farmers income, agri productivity, agri logistics, agri storage, value adding products, automation, food distribution and reach, value addition

Atal Innovation Mission

A Strategic National Innovation Initiative of NITI Aayog

The diagram consists of two main parts. On the left, there are two ovals: a brown one labeled 'Innovation' and a blue one labeled 'Entrepreneurship'. From the right side of the 'Innovation' oval, a blue arrow curves downwards and then points to the right, leading to an orange rounded rectangle containing four bullet points. Similarly, from the right side of the 'Entrepreneurship' oval, a blue arrow curves downwards and then points to the right, leading to a blue rounded rectangle containing four bullet points.

Innovation

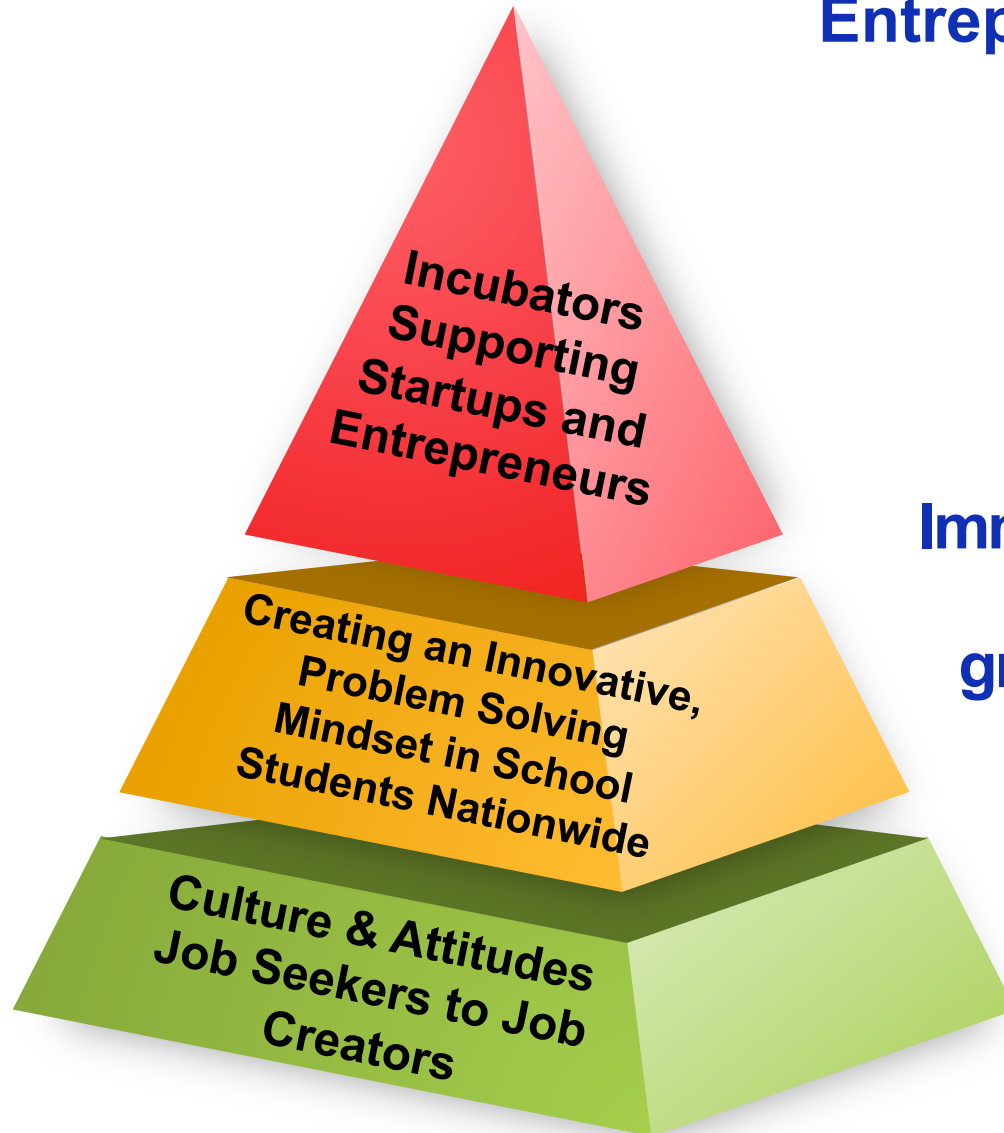
- Creating a Problem Solving Innovative mindset at School/Univ/Industry
- Innovation recognition and awards
- Stimulating innovation challenges & awards
- Technology Tinkering laboratories at schools

Entrepreneurship

- Creating World Class Incubation centers
- Supporting world class startups
- Promoting social/commercial innovations
- Including Seed funding

Atal Innovation Mission

A Holistic Framework and Ecosystem of Innovation and Entrepreneurship



- 1 Create a nationwide Culture and Ecosystem of Innovation & Entrepreneurship
- 2 Awareness and innovation challenges
- 3 Collaboration facilitations
- 4 Policies and programme interventions

Innovation to Entrepreneurship

World Class Incubators are critical to Startup success



Atal Incubation Centres

Setting up world-class scalable incubators relevant to India and the World

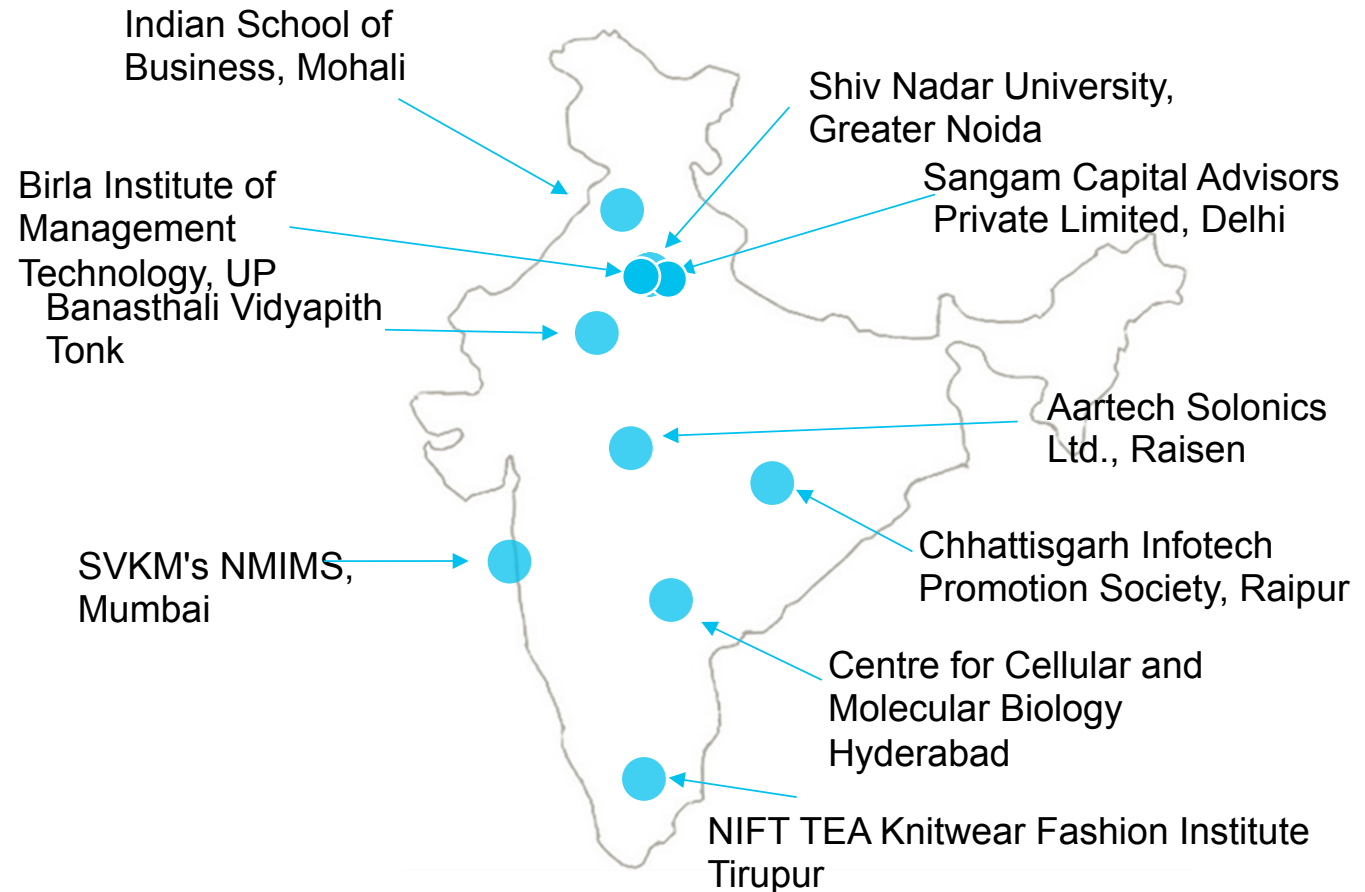
19 Atal Incubation

**Centres already selected
by AIM**

**Funding support for a
period of 5 years**

**50+ Atal Incubation Centres targeted to be
selected by end of this year FY1718**

**Top 5-10 Institutions of every State should
aspire for a World class Incubator enabling
world class startups especially in named
100+ Smart Cities**





Atal Tinkering Labs

Nurturing Young Minds to Innovate.

Play area. Only if you want to play with science.



Atal Tinkering Labs

Biggest potential disruption in formal education to stimulate an innovative mindset in school students

What are Atal Tinkering Labs?

- 1 Work space to learn innovation skills & develop ideas
- 2 Hub for innovation, making & tinkering
- 3 Free space to think of new and different ideas
- 4 Equipped with tools to develop innovations across multiple sectors



Rapid Prototyping Tools (3D Printers)



Electronics Development



Internet of Things & Sensors



Robotics

Atal Tinkering Labs

Our current footprint

2441

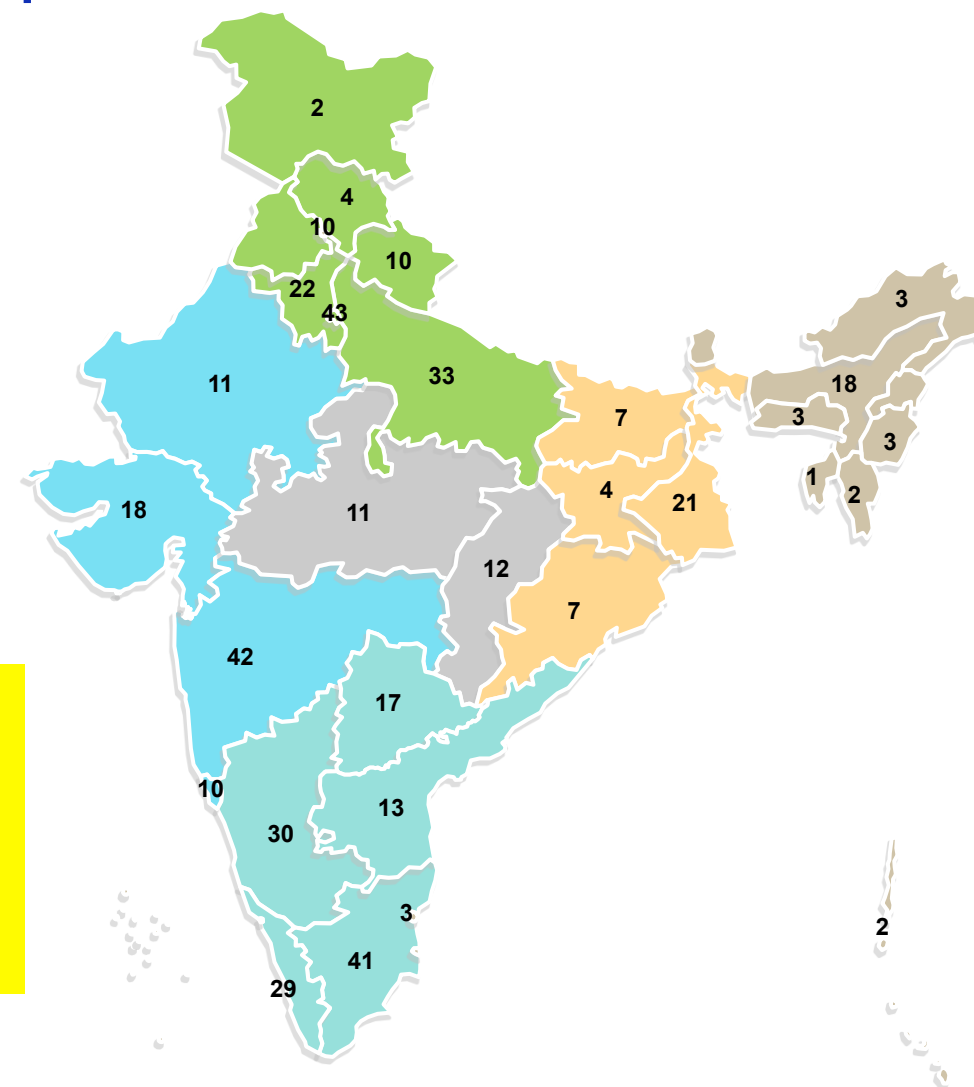
Atal Tinkering Labs
Schools selected across
India

Districts

655

Smart Cities

98



2,441 ATLs selected covering all 655+ districts

Vision – Every school in India should have access to an Atal Tinkering Lab

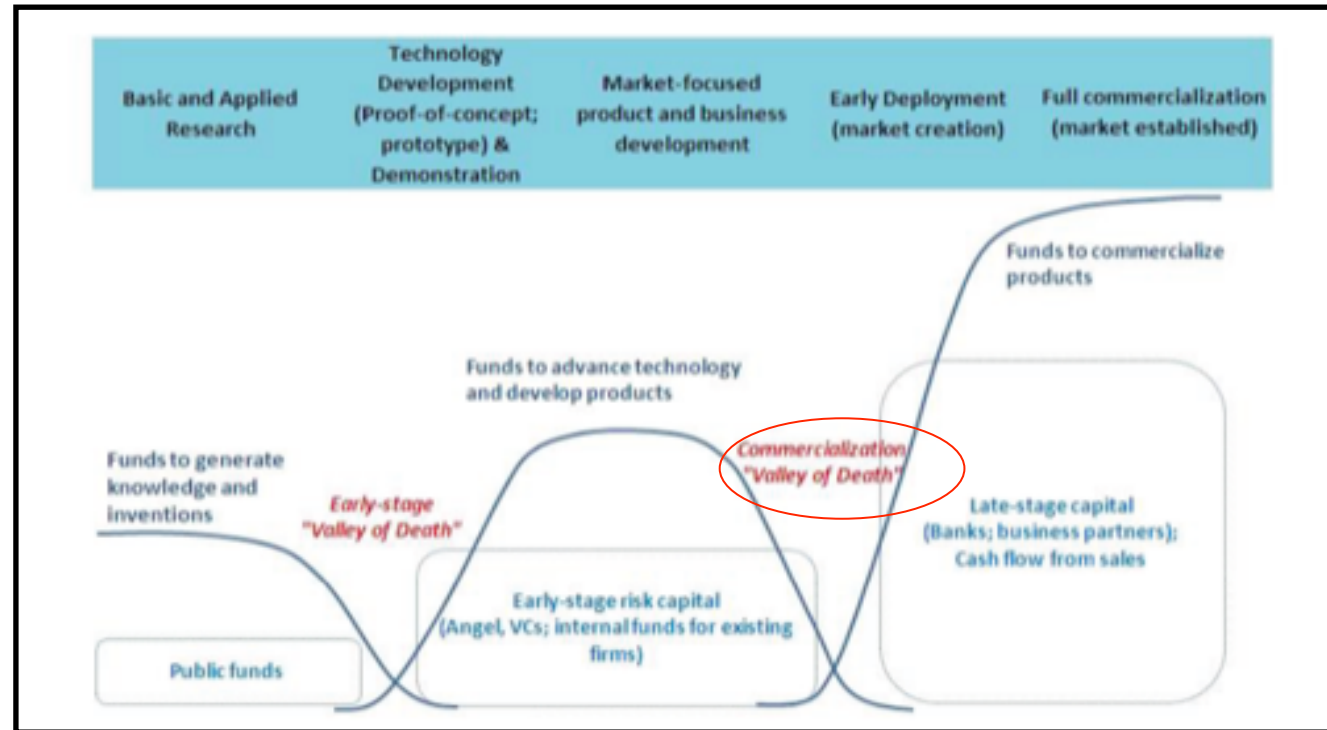


500+ Teachers trained | 35000+ students engaged | 600+ Innovations

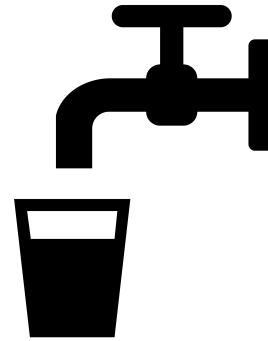
Atal Vikas Challenges – Incentivising Product Innovations

Objective: Incentivise product innovations in areas of national importance with social and/or commercial relevance

Outcomes: Products deployment with commercial and / or social impact



Several Challenges in Rural India – Creates Unique opportunities Social and Commercial Innovation with Global impact



Availability of clean
drinking water for all



Rural Infrastructure
Electricity for all



Healthcare for all



Vocational & Distance
Education for all



Rural livelihood
& Entrepreneurship



Affordable Housing for all

Stimulating and Incentivizing Innovation

Atal Grand Challenges



Precisely defined specifications to be solved in 12-24m

Education

Healthcare & Hygiene

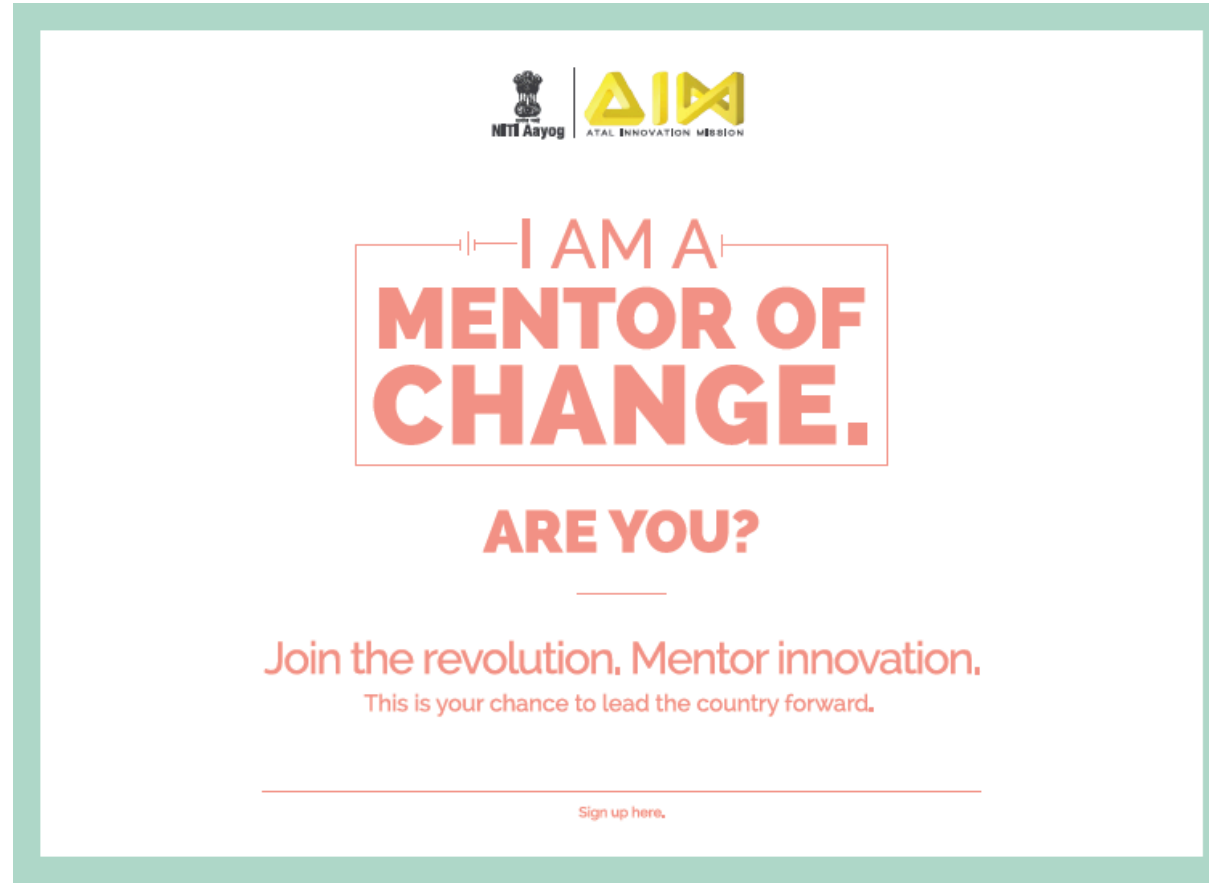
Poverty Elimination

Collaborating for Success



Collaborating for Success: Mentor India

Envisaged to be the largest volunteer mentor network in India



~5,000+

mentors targeted for the ATLs / AICs by end of year,

Scale up as more ATLS / AICs are established_____

2-3 hrs

engagement per week by the mentors during / after school hours



In India, we are nurturing an eco-system where **the youth of India becomes a job creator, not job seeker.**

PM Modi at Plenary Session of St. Petersburg International Economic Forum
2017 in Russia, 2nd June, 2017

Thank You

**@NitiAayog @AimtoInnovate
@rramanan**

r.ramanan@gov.in