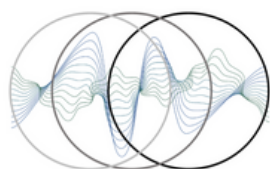


# PRIMER INNOVATION POLICY

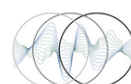
2024-25



PANJ

# A KALEIDOSCOPIIC VIEW OF PUNJAB'S INNOVATION POLICY LANDSCAPE

Punjab's innovation policy landscape is a mix of significant investments and strategic initiatives aimed at fostering technological advancements and startup growth. The government has committed Rs 100 crore to an Innovation Fund, aiming to allocate at least 1% of the annual budget to research, development, and innovation across sectors such as agriculture, manufacturing, healthcare, IT, and renewable energy. The Punjab State Council for Science and Technology (PSCST) plays a pivotal role, steering multiple missions like Innovate Punjab and Biotech Punjab in collaboration with universities, research institutions, and industry partners. The Government of Punjab has launched Mission Innovate Punjab with the vision to make Punjab a 'Hub of Research & Innovation'. This mission, steered by the PSCST, aims to enhance competitiveness, boost growth, create jobs, and achieve sustainable development goals. This unique initiative is envisaged to bring together different innovation cultures to drive the knowledge economy of the state.



# Funding



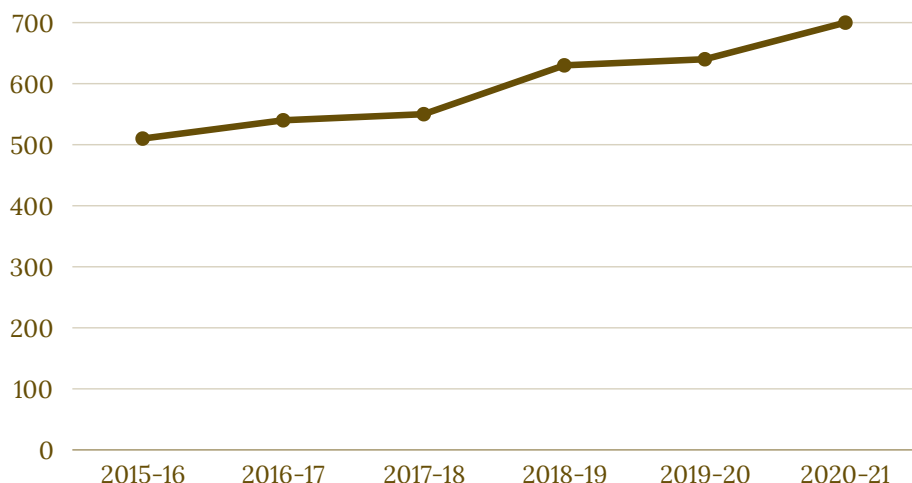
Government of Punjab has committed **Rs 100 crore** for a dedicated 'Innovation Fund'.



This fund will provide financial support for research, development, and commercialization of innovative technologies and solutions.



The state aims to allocate at least 1% of its annual budget towards innovation, research, and development activities across various sectors.



Tamil Nadu has dedicated: **Rs 150 crore** for State Innovation Fund

Uttar Pradesh has dedicated: **Rs 4,000 crore** for State Innovation Fund

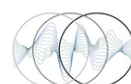
Figure: Punjab's expenditure on R&D over the years

## Body for accelerating technology

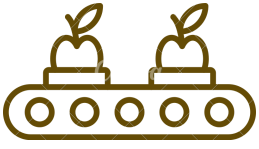
**Punjab State Council for State and Technology:** Steering Mission in collaboration with Universities & Research Institutions, Administrative Departments & Industry.

The Council is responsible is the nodal agency for the following missions:

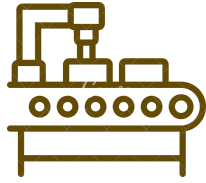
- Innovate Punjab
- Biotech Punjab
- Tandrust Punjab
- Skill Development



# Priority Areas for Innovation



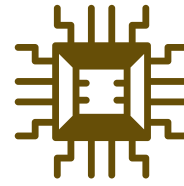
Agriculture and  
Food Processing



Manufacture  
and Industry



Healthcare and  
Life sciences



IT and  
Electronics



Healthcare and  
Life sciences

## Innovation and Regulatory environment

### ***Industrial and Business Development Policy (IDBP) 2017***

This policy will facilitate Punjab based start-ups through setting up of sector specific incubators, creation of common infrastructure. It addresses terms of access for technologies by MSMEs through setting-up of Technology Centres & Common Facility Centres and special incentives.

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### ***Punjab State Data Policy***

This policy focusses on setting up of data centres, implementation of cloud technology & Internet of Things (IoT) for data collection, establishment of IT based Management Information System (MIS) training and skill development in data digitisation.

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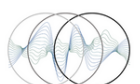
### ***Agricultural Policy***

This policy encourages innovation terms of development of tools & machinery for planting/harvesting, post harvest management, food security, setting-up of seed testing laboratories, crop breeding programs, livestock breed improvement, innovative high tech agriculture etc.

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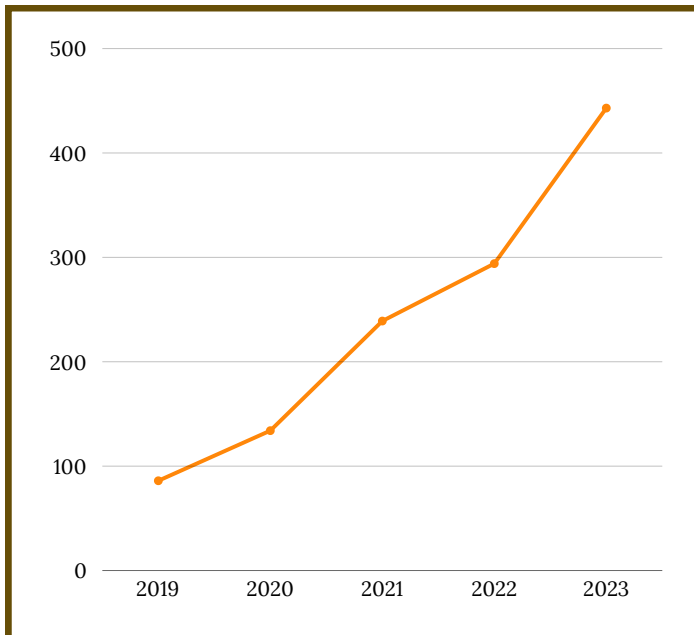
### ***New and Renewable Sources of Energy Policy***

This policy focusses on promoting biomass/agri-residue/bio-fuel based projects, promotion of green technologies such as electric vehicles, compressed biogas for transportation, green battery technologies & energy audit programmes.

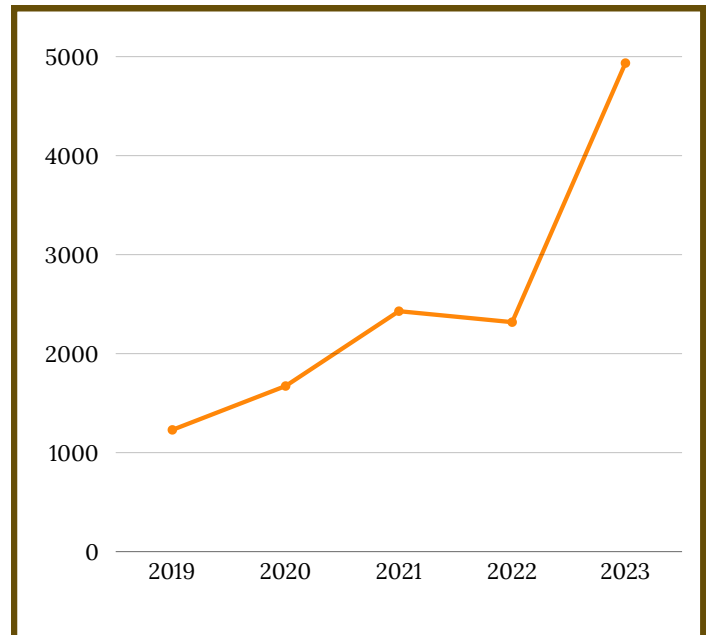


## Growth of start-up culture in the state

Number of startups recognised by DPIIT (2019-23)



Number of jobs created by recognised startups (2019-23)



## Support system for start-ups in Punjab

# 29

**Incubator and Accelerator institutions** in Punjab. 75% of these have emerged in the last six years.

The State has:

**6** institutes of national importance,

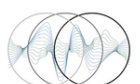
**13** research institutions set-up by GoI,

**36** universities, and

**12** Scientific & Industrial Research Organisations approved by DSIR and other R&D bodies.

*In addition, 27 industries have set-up their in-house R&D units in Punjab recognised by Department of Scientific & Industrial Research.*

The first infrastructure facility for supporting entrepreneurship in academic setup in the state came up in 1986: **Science Technology & Entrepreneurship Park at GNDEC-Ludhiana.**



## How does Punjab fare on innovation rankings?

Punjab ranks **10<sup>th</sup>** amongst states on the innovation ranking.

Recognised as as *'Aspiring Leader'* by India Innovation Index.

### Strongest Innovation Hub

#### Mohali

multiple research institutions, knowledge city, and 1/3rd of the total incubators in the state

### Other emerging hubs

Include Ludhiana with about 1/5 th of total incubators followed by Jalandhar and Patiala.

## Comparing Punjab's performance with other states

The state ranks poorly on majority indicators under the indicator of Innovation

### Enrolment in Ph.D.

### Expenditure on higher & technical education

### Private R&D units

Punjab

Tamil Nadu

Punjab

Tamil Nadu

Punjab

Maharashtra

40.19

43.87

1.83

20.23

10.62

45.59

### Ease of doing business ranking

### NGOs involved in knowledge intensive area

### Incubator centres

Punjab

Madhya Pradesh

Punjab

Maharashtra

Punjab

Telangana

35.71

89.29

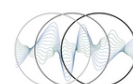
1.55

10.2

1.68

5.53

Comparison with highest ranking state across different indicators.

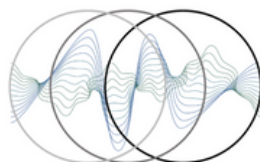




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Policy Advisory and Network for Joint Progress

S.A.S Nagar, Mohali



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