



# Madhya Pradesh Science, Technology and Innovation Policy 2022

## Why In News?

- In the cabinet meeting held under the chairmanship of Chief Minister Shivraj Singh Chouhan on December 13, 2022, the Council of Ministers approved the **first policy related to science, technology and innovation in the state.**

## Key Points

- This policy will take **initiatives to build scientific approach in the state, strengthen innovation ecosystem, promote science and technology enabled entrepreneurship**, strengthen governance services using new technology, preserve traditional knowledge systems and encourage inclusion and participation.
- **The main objectives of this policy are:**
  - To rank Madhya Pradesh as the top science, technology and innovation (**STI**) destination in the country.
  - Strengthen factors such as human resources, investment and **knowledge-based labour force** to position Madhya Pradesh in the top 5 states in the '**India Innovation Index**' (**from its current 13<sup>th</sup> rank**) by the year 2030.
  - To develop an effective STI ecosystem and help Madhya Pradesh to increase knowledge-based production in the state by strengthening indicators such as research publications, innovations, startups, industrial design innovations and patents.
  - morphology and technology given to kingdom Case-ending showing possession or relation aggregate expense for to increase and kingdom In research and evolution relative Areas In own investment for encouraged to do.
  - To promote a spirit of healthy competition among the educational and research institutions of Madhya Pradesh and to provide incentives to receive prestigious national and international science and technology awards (such as '**Shanti Swarup Bhatnagar Prize for Science and Technology**').
  - To increase the enrollment ratio in **STEM** courses at undergraduate, masters and PhD levels by promoting STEM education right from the elementary level, especially among girl students, by enriching the curriculum with STEM experiments and competitions.
  - To develop an ideal framework for preservation and promotion of traditional knowledge systems through scientific certification and commercialization.
  - To promote innovations in line with the needs of the ground.
  - Promote growth through innovation in economic sectors such as agriculture, healthcare, education and energy and create research, development and innovation infrastructure necessary for the promotion of private enterprises in these sectors .
  - To ensure doorstep delivery of services by accurately assessing the needs of the people by developing proactive, efficient and transparent **G2C** and **G2B** systems based on innovative technologies .
  - To advance in the field of skill enhancement by creating world class human resources in new and emerging technologies such as Metaverse, Quantum Computing, 5GSemiconductors, IoT, Blockchain and Distributed Laser Technologies, AI and AR/VR.
  - Build an effective and responsive innovation ecosystem to promote data-based startups by

leveraging the vast data repository available in the government domain, creating a universal sandbox environment keeping in view privacy protection requirements.

- To promote national and international relations to facilitate acquisition, transfer, adaptation and use of new and advanced technologies.
- In order to promote contextual innovation and science education, top institutions (such as IITs, IIMs, IIMs, NITs, IIITs, NIDs, NIFT, NLS) will be encouraged to adopt a district in Madhya Pradesh and promote science and innovation locally in that district.
- Innovation clusters, incubators and accelerators will be set up in leading institutions (e.g. ITIs, IIITs, etc.) to help startups take advantage of early funding mentorship, training and best practices through coordination with the private sector.

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