



**GOVERNMENT OF TAMIL NADU**

# Tamil Nadu Deep Tech Startup Policy 2026

## Key Highlights





# Contents

|          |                                                              |           |
|----------|--------------------------------------------------------------|-----------|
| <b>1</b> | <b>Preamble</b>                                              | <b>1</b>  |
|          | 1.1. Need for policy                                         | 1         |
|          | 1.2. Definition and Scope of Deep Tech Startups              | 2         |
| <b>2</b> | <b>Tamil Nadu Deep Tech Startup Policy 2025-26</b>           | <b>3</b>  |
|          | 2.1. Vision                                                  | 3         |
|          | 2.2. Objectives                                              | 3         |
|          | 2.3. Goals                                                   | 4         |
| <b>3</b> | <b>Policy Eligibility &amp; Selection Framework</b>          | <b>5</b>  |
|          | 3.1. Eligible Participants                                   | 5         |
|          | 3.2. Eligibility for Availing Financial Support              | 5         |
|          | 3.3. Policy Selection Framework                              | 6         |
|          | 3.3.1. Selection Process for Deep Tech Startups              | 6         |
|          | 3.3.2. Selection Process for Other Participants              | 7         |
| <b>4</b> | <b>Policy Framework</b>                                      | <b>8</b>  |
| <b>5</b> | <b>Policy Priorities and Interventions</b>                   | <b>9</b>  |
| <b>6</b> | <b>Policy Incentives</b>                                     | <b>10</b> |
| <b>7</b> | <b>Sectoral Focus and Technology Priorities in Deep Tech</b> | <b>12</b> |
| <b>8</b> | <b>Governance and Implementation Framework</b>               | <b>15</b> |





# 1. Preamble

## 1.1. Need for policy

This policy aims to bridge the gap between cutting-edge research and practical application by providing structured support across the innovation lifecycle—from early-stage R&D grants and incubation to state-funded innovation hubs and flexible funding mechanisms. This holistic approach accelerates the journey from laboratory to market, enhancing productivity, operational efficiency, and global competitiveness for Tamil Nadu's industries.

By leveraging Tamil Nadu's inherent strengths and aligning with strategic initiatives across priority areas such as Artificial Intelligence, Blockchain, Advanced Research and Development, Semiconductor and Electronics Manufacturing, Space Technology, and Digital Media including AVGC, the policy positions the state as a premier global deep tech hub. It focuses on advancing key domains such as Artificial Intelligence, Semiconductors, Advanced Materials, Quantum Technologies, Biotechnology, and other emerging technologies of national and global significance.

Through collaborative efforts involving startups, academic institutions, industry leaders, and government agencies, Tamil Nadu is poised to unlock significant economic multipliers, attract domestic and international investments, and achieve sustainable, high-impact growth. The policy promotes the convergence of existing state policies (listed in Annexure 4) and startup relevant schemes, building a streamlined and cohesive innovation ecosystem that reinforces Tamil Nadu's leadership in the global deep tech economy.



## 1.2. Definition and Scope of Deep Tech Startups

Deep Technology refers to innovations grounded in advanced scientific or engineering breakthroughs that disrupt existing paradigms. Deep tech startups are characterised by a few key attributes that distinguish them from conventional startups:

- **Breakthrough Innovation and Disruptiveness:** They originate from early-stage scientific R&D and novel technological pathways that have not yet been widely commercialised. Rather than incremental improvements, deep tech companies pursue transformative solutions – often involving complex engineering at the cutting-edge (for example, working at atomic or molecular scales, or pioneering entirely new technological domains). These innovations hold the potential to solve complex problems in fundamentally new ways.
- **Proprietary Intellectual Property:** Deep tech ventures typically generate and own strong **intellectual property (IP)** arising from their research. This emphasis on patents, designs, and trade secrets differentiates them by providing a competitive moat. The development of unique, protected technology is central to their business model and long-term value.
- **High Technological Risk and Longer Gestation:** Due to the nascent and complex nature of their technologies, deep tech startups face high R&D uncertainties and often require longer development cycles to achieve a minimum viable product or proof of concept. Many operate at early **Technology Readiness Levels (TRLs)** (commonly TRL 1–4, denoting lab research through proof-of-concept stages). Substantial time and capital are needed before commercial viability is attained, reflecting an extended “lab-to-market” journey.
- **Large Impact and Market creation:** Deep tech innovations address significant, unresolved challenges and have the potential to create new markets or radically transform existing ones. They target large-scale opportunities (in areas such as healthcare, energy, manufacturing, etc.) where a breakthrough can unlock enormous value. As these startups mature and their technologies become commercially proven, what was once “deep tech” may integrate into mainstream industry, ceding the frontier to the next generation of emerging technologies.

In line with the National Deep Tech Startup Policy (NDTSP), the Tamil Nadu Deep Tech Startup Policy adopts a contextual and evolving definition of deep tech, recognizing the varying depth and maturity of technologies across sectors and markets. To enable a holistic evaluation of deep tech ventures, the policy shall consider Technology Readiness Levels (TRL) and Business Readiness Levels (BRL), while also considering the depth of scientific and technological advancement in relation to the maturity of the ecosystem. This includes factors such as capital requirements, potential economic impact, and regulatory alignment, ensuring that startups are assessed not just on their technological progress but also on their readiness to scale within their specific market and ecosystem context. Recognising the dynamic nature of technology and market evolution, the policy mandates periodic review and refinement of the deep tech definition and associated assessment criteria to ensure continued relevance. In addition, a Deep Tech Impact Assessment Framework will be established to evaluate supported ventures based on their innovation potential and societal impact, rather than short-term commercial outcomes alone, thereby fostering sustained ecosystem growth and long-term competitiveness for Tamil Nadu.



The scope of the policy extends to all innovators, enterprises, and ecosystem enablers contributing to deep tech advancement in the state—spanning startups, academic and R&D institutions, industry research labs, incubators, accelerators, and other facilitators.

## 2. Tamil Nadu Deep Tech Startup Policy 2025-26

### 2.1. Vision

**To position Tamil Nadu as India's premier deep tech hub—fuelling innovation, industrial growth, and MSME empowerment—while establishing a cutting-edge deep tech and emerging tech ecosystem that accelerates our journey toward a \$1 trillion economy.**

### 2.2. Objectives

This vision reflects the Government of Tamil Nadu's (GoTN) commitment to harnessing deep technological innovations to foster economic prosperity and societal advancement, positioning the state as a global destination for cutting-edge research and entrepreneurship in deep tech. Accordingly, this policy aims to achieve the following objectives:

- i. Strengthen the deep tech research ecosystem by expanding R&D infrastructure, fostering industry-academia collaboration, and accelerating lab-to-market transitions.
- ii. Enhance intellectual property (IP) generation, protection, and technology transfer to speed up commercialisation of deep tech innovations.
- iii. Facilitate access to diverse, patient capital through dedicated funding programmes, co-investment models, and venture networks tailored for deep tech startups.
- iv. Harmonise regulatory processes to accelerate deep tech innovation and ensure swift adoption of new technologies.
- v. Develop a highly skilled deep tech workforce through specialised training programmes and alignment of academic curricula with industry needs.
- vi. Drive adoption of indigenous deep tech products by promoting public and private procurement and enabling access to global markets for Tamil Nadu's startups.
- vii. Align state initiatives with national missions and target high-impact sectors to build a globally competitive deep tech hub in Tamil Nadu.
- viii. Provide lifecycle support for deep tech startups, with early-stage risk mitigation, incubation support, and sustained mentorship as ventures scale to maturity.

These objectives serve as the guiding pillars for the policy interventions and programmes described in the following sections. They collectively aim to create a robust pipeline from research to market, ensuring that Tamil Nadu becomes a fertile ground for deep tech startups to thrive, scale, and deliver transformative impact.



## 2.3. Goals

The Tamil Nadu Deep Tech Startup Policy aims to deliver tangible outcomes over the next five years through ecosystem-wide interventions. These targets are designed to accelerate the growth of a globally competitive deep tech ecosystem by driving research, enabling market access, creating jobs, and attracting investments.

1. To establish Tamil Nadu as a premier deep tech hub by developing a network of Deep Tech Innovation Hubs and Centres of Excellence (CoEs) in emerging technology domains.
2. To include and support **100** deep tech startups.
3. To mobilise **INR 100 Cr** of public and private investments, including venture capital, co-investments, and patient funding.
4. To achieve **10** technology transfer or licensing deals from academic and R&D institutions for commercialisation by industry or startups, and facilitate **25%** growth in annual patent filings by deep tech startups.
5. To train over **10,000** students and professionals in deep tech skills (AI, ML, robotics, biotech, etc.) through specialised skilling programmes and award **10** research fellowships.
6. To facilitate procurement of deep tech solutions worth **INR 10 Cr** through public and private sector market access programmes, including innovation-friendly procurement schemes.
7. To promote global market access for **50** deep tech startups through export facilitation, trade missions and international partnerships.
8. To establish sector-specific test beds for continuous validation and demonstration of deep tech solutions in live operational environments, supporting at least **25** startups annually.
9. To establish a “Government as Early Adopter Programme” across **5** departments, supporting the pilot deployment, field validation, and scale-up of deep tech solutions, with an annual departmental budget of **INR 5 Cr**, targeting **5 PoCs** or solution adoptions per year.





## 3. Policy Eligibility & Selection Framework

The **TNDTSP** is instituted as an enabling framework by GoTN to support transformative, science-driven enterprises throughout their lifecycle – from groundbreaking research to market-ready expansion. The policy operates in harmony with existing Tamil Nadu state and national initiatives to provide a cohesive support system for deep tech entrepreneurship.

### 3.1. Eligible Participants

The policy is open to all organisations and participants of the ecosystem that demonstrate alignment with core deep tech characteristics. This includes:

- ✓ **Deep tech startups:** Early-stage or growth-stage ventures registered in Tamil Nadu that are built on novel scientific/technological discoveries, own or develop proprietary IP, and target large unmet market needs with high-growth potential.
- ✓ **Academic institutions:** Universities and technical institutes engaging in deep tech R&D, technology transfer, or commercialisation partnerships (for example, by spinning off startups or collaborating on product development).
- ✓ **Industry players:** Established companies, corporate R&D labs, GCC and industry consortia investing in or partnering with deep tech startups – including through co-innovation projects, corporate venture capital, or pilot deployment of new technologies.
- ✓ **Research consortia:** Leading academic institutions, national research labs and government agencies public research bodies that conduct fundamental and applied research in deep tech domains and contribute funding, expertise and commercialisation pathways.
- ✓ **Incubators:** Organisations that nurture innovation (incubation centres, accelerators, research parks) providing mentorship, facilities, or funding support to deep tech startups.
- ✓ **Others:** Any other entities (such as industry associations, funding agencies, or government bodies) that actively contribute to the deep tech startup ecosystem and adoption of deep tech solutions.

### 3.2. Eligibility for Availing Financial Support

To qualify for financial support under this policy, the applicant must demonstrate operational presence in Tamil Nadu, defined as follows:

- **Registered or Operational Presence:**

The company, startup, or entity must have either:

- A registered office in Tamil Nadu, or
- An operational presence such as a back-office, R&D facility, or any active business operations in Tamil Nadu.

- **Employment Generation in Tamil Nadu:** The entity must employ at least 25% of its total workforce (excluding contract employees) within Tamil Nadu. This includes full-time employees engaged in core business, technical, or R&D operations.
- **Eligibility for Out-of-State Participants:** Startups or institutions based outside Tamil Nadu may be considered eligible if they establish a substantial operational footprint in the state, such as setting up a registered office, R&D unit, or delivery centre, and employ at least 20% of their workforce or a minimum of 20 full-time employees (excluding contract staff) in Tamil Nadu.

Existing benefits (Annexure 1) under the Tamil Nadu state or national policies, including investment programmes, can be leveraged, with additional provisions under this policy serving as a top-up<sup>5</sup>.

### 3.3. Policy Selection Framework

To qualify for financial support under this policy, the applicant must demonstrate operational presence in Tamil Nadu, defined as follows:

#### 3.3.1. Selection Process for Deep Tech Startups

To ensure that policy benefits are effectively allocated to genuine deep tech ventures, the Tamil Nadu Deep Tech Startup Policy (TNDTSP) will implement a streamlined, multi-stage evaluation process:

1. **Stage A – Preliminary Self-Identification:** Prospective deep tech startups will submit a self-declaration via an online application detailing their technology, scientific foundation, market focus, and intellectual property (IP) status. This initial assessment helps applicants determine their alignment with TNDTSP's objectives.
2. **Stage B – Framework-Based Evaluation:** A technical screening panel will evaluate submissions based on core deep tech attributes and policy goals. The review will focus on the innovation's novelty, technical data, proof-of-concept results, and market analysis. Constructive feedback will be provided to applicants needing refinement to meet deep tech criteria.
3. **Stage C – Final Approval by Advisory Group:** Shortlisted applications from Stage B will undergo a final evaluation by the **Tamil Nadu Deep Tech Advisory Group**. This Advisory Group will consider both standard criteria and any exceptional cases with outstanding disruptive potential. Ventures that are approved in this stage will be officially designated as **“Deep Tech Startups – Approved under TNDTSP”**, making them eligible for the full range of policy incentives and support programmes.

Through this funnel, the policy ensures a transparent and merit-based selection of beneficiaries, focusing resources on startups and initiatives that truly exemplify deep tech innovation. The evaluation framework remains adaptive to accommodate emerging technology domains and novel business models, while maintaining rigor in selecting high-potential candidates.

### 3.3.2. Selection Process for Other Participants

For academic institutions, industry players, research consortia, and incubators, the selection process will also follow a structured, three-stage evaluation process tailored to their specific roles:

1. **Stage A – Preliminary Self-Identification:** Prospective participants (academic institutions, industry players, research consortia, and incubators) shall submit a self-declaration or application outlining their role, expertise, and contribution to the deep tech ecosystem. This helps to ensure alignment with the TNDTSP's objectives and focus areas.
2. **Stage B – Framework-Based Evaluation:** A review panel shall assess the submitted applications based on specific criteria relevant to each participant category. For academic institutions, the evaluation shall focus on their research and commercialisation efforts. For industry players, the review shall centre on their contributions to co-innovation and deployment of new technologies. Research consortia shall be evaluated based on their research capacity and ability to provide funding, expertise, and commercialisation pathways, while incubators shall be assessed on their ability to provide mentorship, facilities, and funding support to deep tech startups. The selection process shall also follow the criteria established by the **Startup India** initiative for incubators.
3. **Stage C – Final Approval by Advisory Group:** The Tamil Nadu Deep Tech Advisory Group shall make the final decision on approval for all participants. Those approved shall be designated as "Approved Participants under TNDTSP" and shall be eligible for the full range of policy incentives and support programmes.





## 4. Policy Framework

### VISION

To position Tamil Nadu as India's premier deep tech hub-fueling innovation, industrial growth, and MSME empowerment-while establishing a cutting-edge deep tech and emerging tech ecosystem that accelerates our journey toward a \$1 trillion economy.

#### Research & Development Support

- Deep Tech R&D Grants
- IP creation & Commercialization Assistance
- Strengthening IP Retention within Tamil Nadu's Deep Tech Ecosystem
- Hardware Product Design Support

#### Funding & Investment Acceleration

- Commercialization Grants
- Scale-Up Funding
- Performance-Linked Micro-Fund Support for Incubators
- Corporate Investment Facilitation
- CSR-Based Co-Funding for Deep Tech Initiatives
- Deep Tech Fund of Funds

#### Infrastructure & Ecosystem Development

- Deep Tech Research and Cluster-specific Parks
- Government-Supported Test Beds and Pilot Deployment Framework for Startups
- Unified Digital Platform for Infrastructure and Resource Sharing

#### Innovation Workforce & Knowledge Alliances

- Deep Tech Talent Development & Early Research Engagement
- Doctoral Fellowships & Research Alliances
- Mentorship and Exchange Programs

#### Deep Tech Adoption & Market Expansion

- International Networking & Events
- Grand Challenges
- Market Access Initiatives

### Key Policy Enablers

#### Deep Tech Clusters

Dedicated R&D clusters and infrastructure facilities

#### Deep Tech Innovation Funds

Targeted financial instruments for high-impact deep tech projects.

**University-Industry Tech Commercialization**  
Fast-tracking deep tech startup incubation.

**Next-Gen Skilling & Research Programs**  
Creating a future-ready workforce for deep tech industries.

**Policy Incentives for driving Deep Tech growth**

#### KPIs

Deep Tech Startups

Deep Tech Innovation Hubs, CoEs, and sector-specific test beds

Deep Tech Investments mobilized

Deep Tech solutions procured by government and private sector.

Students/professionals trained and research fellowships awarded in deep tech domains

Technology transfer/ licensing deals

PoCs or solution deployments under "Government as Early Adopter" programs

Global strategic partnerships or Trade missions facilitated.

Deep Tech startups funded through seed or venture funding

## 5. Policy Priorities and Interventions

| Sl. No. | Policy Priority                            | Incentive Details                                                                                                                                                                                                                                                                                                                                                                                                |
|---------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01      | Research & Development Support             | <ol style="list-style-type: none"> <li>1. Deep Tech R&amp;D Grants (TRL <math>\leq</math> 4)</li> <li>2. IP creation &amp; Commercialisation Assistance</li> <li>3. Strengthening IP Retention within Tamil Nadu's Deep Tech Ecosystem</li> </ol>                                                                                                                                                                |
| 02      | Funding & Investment Acceleration          | <ol style="list-style-type: none"> <li>1. TRL-Based Commercialisation Support (TRL 5-7)</li> <li>2. TRL-Based Scale-Up Funding (TRL <math>\geq</math> 7)</li> <li>3. Performance-Linked Micro-Fund Support for Incubators</li> <li>4. Facilitating Corporate Participation and Investment in Deep Tech</li> <li>5. CSR-Based Co-Funding for Deep Tech Initiatives</li> <li>6. Deep Tech Fund of Funds</li> </ol> |
| 03      | Infrastructure & Ecosystem Development     | <ol style="list-style-type: none"> <li>1. Deep Tech Research and Cluster-specific Parks</li> <li>2. Government-Supported Test Beds and Pilot Deployment Framework for Startups</li> <li>3. Unified Digital Platform for Infrastructure and Resource Sharing</li> </ol>                                                                                                                                           |
| 04      | Innovation Workforce & Knowledge Alliances | <ol style="list-style-type: none"> <li>1. Deep Tech Talent Development &amp; Early Research Engagement</li> <li>2. Doctoral Fellowships &amp; Research Alliances</li> <li>3. Mentorship and Exchange Programmes</li> </ol>                                                                                                                                                                                       |
| 05      | Deep Tech Adoption & Market Expansion      | <ol style="list-style-type: none"> <li>1. International Networking &amp; Events</li> <li>2. Grand Challenges</li> <li>3. Market Access Initiatives</li> </ol>                                                                                                                                                                                                                                                    |

## 6. Policy Incentives

TNDTSP offers a set of incentives designed to support innovation, research, and commercialisation of deep tech startups. These incentives provide financial support, access to infrastructure, and foster strategic partnerships, aimed at helping startups grow from R&D to market-ready solutions.

| Sl. No. | Policy Priority                        | Policy Intervention                                                               | Incentive Details                                                                                                                                                                                                                                                                       |
|---------|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01      | Research & Development Support         | Deep Tech R&D Grants (TRL $\leq$ 4)                                               | Reimburse eligible research and validation costs and subsidize product development, prioritizing corporate collaborations.                                                                                                                                                              |
| 02      | Research & Development Support         | IP creation & Commercialisation Assistance                                        | Financial assistance for patent filing, legal, and IP consultancy expenses, and facilitate IP commercialization grants for patent-backed deep tech solutions through the iTNT Technology Transfer Office.                                                                               |
| 03      | Funding & Investment Acceleration      | TRL-Based Commercialisation Support (TRL 5-7) and Scale-Up Funding (TRL $\geq$ 7) | Milestone-linked grants for pilot deployment and pre-market validation, offer convertible seed instruments for early-stage deep tech startups, and extend commercialization grants for innovations ready to scale.                                                                      |
| 04      | Funding & Investment Acceleration      | Performance-Linked Micro-Fund Support for Incubators                              | Annual grants to recognized incubators and accelerators that demonstrate measurable success in deep tech commercialization.                                                                                                                                                             |
| 05      | Funding & Investment Acceleration      | Facilitating Corporate Participation and Investment in (Deep Tech                 | Grant an additional capital subsidy to eligible companies that provide structured support to accredited deep tech startups through procurement, sandbox access, incubation programs, or fund investments, with subsidy levels linked to the extent of compliance with these activities. |
| 06      | Infrastructure & Ecosystem Development | Deep Tech Research and Cluster-specific parks                                     | Enable deep tech startups to access shared infrastructure through a voucher-based system and provide rental subsidies for office or lab space within government-supported deep tech parks or incubator facilities.                                                                      |

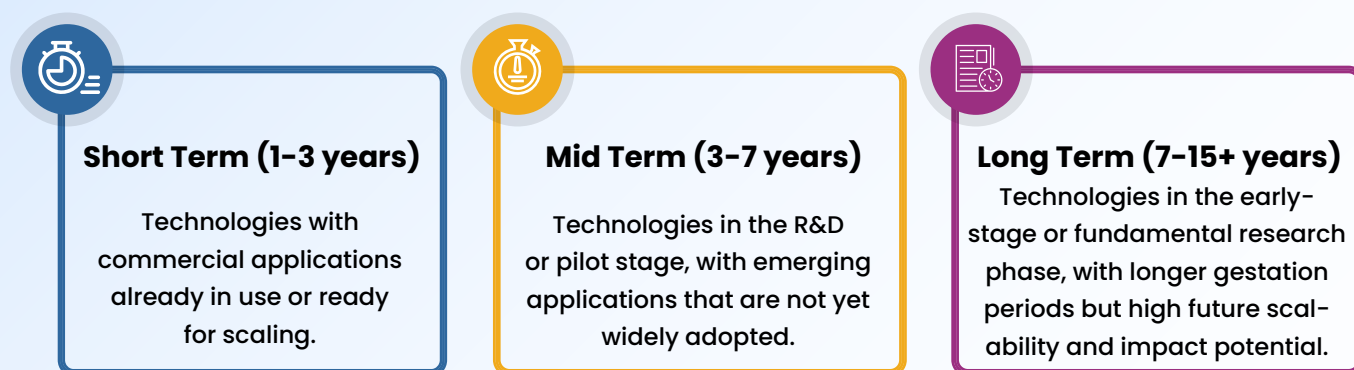


| Sl. No. | Policy Priority                            | Policy Intervention                                      | Incentive Details                                                                                                                                                                                                           |
|---------|--------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 07      | Innovation Workforce & Knowledge Alliances | Deep Tech Talent Development & Early Research Engagement | Grants to support deep tech skill development within startups and educational institutions, funding specialized training programs, certifications, and workshops to build advanced capabilities.                            |
| 08      | Innovation Workforce & Knowledge Alliances | Doctoral Fellowships & Research Alliances                | Research fellowships for qualified researchers transitioning into deep tech entrepreneurship and offer incentives for collaborative R&D with overseas experts partnering with Tamil Nadu startups or research institutions. |
| 09      | Innovation Workforce & Knowledge Alliances | Mentorship and Exchange Programmes                       | Grants to support international exchange initiatives, including global accelerator programs, twin city collaborations, and research exchanges for deep tech startups and researchers.                                       |
| 10      | Deep Tech Adoption & Market Expansion      | International Networking and events                      | Support deep tech startups annually in gaining international exposure by subsidizing travel and exhibition costs for those selected to join official delegations or trade shows.                                            |
| 11      | Deep Tech Adoption & Market Expansion      | Market Access Initiatives                                | Facilitate initial procurement orders for deep tech startups registered under TNDTSP, based on technology maturity and departmental requirements.                                                                           |

## 7. Sectoral Focus and Technology Priorities in Deep Tech

The policy identifies priority sectors and technology domains based on Tamil Nadu's current strengths and future growth potential. These have been classified by development horizons to guide phased interventions and ecosystem support. This classification reflects varying levels of ecosystem readiness, market adoption, and research maturity, helping the state prioritise efforts based on economic and industrial impact potential.

- Sectors are typically classified as short, medium, or long-term based on State and National Priorities, policy focus areas, and their potential for economic, social and industrial impact within the state's development vision.
- **Technologies** are classified based on their **commercial readiness and research maturity** as follows:



While the policy initially adopts a broad cross-sectoral approach, it is designed to progressively evolve into dedicated sectoral tracks as Tamil Nadu's deep tech ecosystem matures. These tracks will be developed based on sectoral readiness, strategic relevance, and potential for high-impact innovation. Each sectoral track will be supported by tailored policy instruments, dedicated funding mechanisms, targeted accelerator programmes, and access to domain-specific infrastructure or research facilities. These verticals will be aligned with the state's industrial and R&D priorities and will function as mission-driven platforms to foster focused innovation, accelerate technology commercialisation, and strengthen Tamil Nadu's global positioning in deep tech leadership.

In addition to driving industrial growth and competitiveness, the state's deep tech strategy will place strong emphasis on social sector applications. Many of the identified priority sectors—healthcare, clean energy, enterprise applications, mobility, and advanced materials—have direct implications for improving quality of life and ensuring inclusive growth. Deep tech solutions will be leveraged to strengthen public health systems, education delivery, skilling and employability platforms, disaster resilience, and social protection programmes.

By embedding a **social application lens across all sectors**, the policy ensures that deep tech innovation not only advances industrial competitiveness but also creates tangible social impact. This approach will position Tamil Nadu as a leader in people-centric deep tech innovation, where economic growth and social development are pursued in tandem. Dedicated support mechanisms—including GovTech collaborations, regulatory sandboxes for public services, and targeted social impact accelerators—will ensure that emerging technologies are tested and deployed in real-world contexts, benefiting citizens while strengthening the innovation ecosystem.

| SECTORS                                                   | SHORT TERM | MID TERM | LONG TERM |
|-----------------------------------------------------------|------------|----------|-----------|
| <b>Automobile, Auto-components &amp; EV</b>               | ✓          | ✓        |           |
| <b>Electronics &amp; Semiconductors</b>                   |            | ✓        | ✓         |
| <b>Biotechnology &amp; Healthcare</b>                     | ✓          | ✓        | ✓         |
| <b>Clean Energy &amp; Sustainability</b>                  | ✓          | ✓        | ✓         |
| <b>Aerospace &amp; Defence<br/>(including Space Tech)</b> |            | ✓        | ✓         |
| <b>Enterprise Applications</b>                            | ✓          | ✓        |           |

The sectoral priorities outlined above provide a directional roadmap to guide ecosystem actions across short, medium, and long-term horizons. These priorities will be periodically reviewed based on emerging technologies, national missions, and market needs to ensure continued relevance.

As the policy evolves, targeted efforts will be made towards high-priority sectors, with tailored strategies, resources, and incentives for each. The list of priority sectors will be periodically reviewed and updated, in consultation with industry leaders and domain experts, to ensure alignment with technological advancements and evolving market demands. Under each identified sectoral and horizontal priority, Special Interest Groups (SIGs) shall be constituted to promote deeper industry-academia-startup collaboration, facilitate thematic partnerships, and enable coordinated ecosystem development to accelerate deep tech innovation in the state.

Additionally, **a cross-sector focus on key technologies given below** will be pursued. These horizontal technology areas will be integrated across multiple sectors, fostering innovation and collaboration.



| TECHNOLOGIES                                    | SHORT TERM | MID TERM | LONG TERM |
|-------------------------------------------------|------------|----------|-----------|
| Microgravity/Zero-Gravity Based Technology      |            | ✓        | ✓         |
| Battery Technology                              | ✓          | ✓        |           |
| Composite Materials & Material Science          | ✓          | ✓        |           |
| Genomics & DNA-based Computing                  |            | ✓        | ✓         |
| Emerging AI Models                              | ✓          | ✓        |           |
| Quantum Computing                               |            | ✓        | ✓         |
| Brain-Computer Interfaces (BCI)                 |            | ✓        | ✓         |
| Energy-Efficient Technologies                   | ✓          | ✓        |           |
| Lithography                                     |            | ✓        | ✓         |
| Bioengineering                                  | ✓          | ✓        |           |
| Adaptive Textiles                               |            | ✓        | ✓         |
| Homomorphic Computing                           |            | ✓        | ✓         |
| Photonics & Optical Computing                   |            | ✓        |           |
| Cybersecurity & Privacy Preserving Technologies |            | ✓        | ✓         |

By focusing on these priority sectors and technologies, Tamil Nadu aims to create **clusters of excellence where talent, infrastructure, and investment converge**, driving breakthroughs that enhance the state's competitive edge both nationally and globally.





## 8. Governance and Implementation Framework

A robust governance framework is critical to the successful implementation, monitoring, and continual relevance of the policy. The Department of Information Technology and Digital Services will be empowered to provide clarifications and guidance regarding the implementation of the policy, as necessary. To ensure effective execution, GoTN will establish a comprehensive governance and implementation framework for the Tamil Nadu Deep Tech Startup Policy (TNDTSP), as outlined below:

**Nodal Agency – iTNT Hub:** The iTNT Hub will serve as the nodal implementing agency for the TNDTSP. It will house a dedicated team to coordinate all initiatives, manage funds, and act as a single point of contact for stakeholders. iTNT Hub will ensure synergy among different programmes, maintain the Unified Digital Platform for Infrastructure and Resource Sharing, and liaise with other government departments as needed. It will also be responsible for the day-to-day administration of processing applications, disbursing incentives, etc. under the policy.

The Tamil Nadu Deep Tech Startup Policy represents a strategic, structured, and forward-looking approach by the Government of Tamil Nadu to foster a thriving deep tech ecosystem. By learning from the National Deep Tech Startup Policy's framework and aligning with its themes – from R&D and funding to infrastructure, IP, talent, and beyond – TNDTSP is positioned to not only elevate the state's innovation capacity but also contribute to India's overall leadership in advanced technology. Through sustained commitment and collaborative execution of this policy, Tamil Nadu aspires to achieve transformative economic growth, societal benefits, and global recognition as a lighthouse for deep tech innovation.





**GOVERNMENT OF TAMIL NADU**

# **Tamil Nadu Deep Tech Startup Policy 2026**

**Key Highlights**

Artificial Intelligence, Information Technology & Digital Services Department



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