



Government Schemes for Entrepreneurs

EP60022- Technology Entrepreneurship

Team Members

Jessica John Britto (20PH20014)

Mukil Senthilkumar (20EC10048)

Introduction and Motivation

- **Entrepreneurship's Role in Economic Development:** Highlight how entrepreneurship drives innovation, job creation, and wealth generation in India, contributing to economic progress and social empowerment.
- **Importance of Government Schemes:** Emphasize the significance of government schemes in supporting entrepreneurs, especially those from marginalized communities, by providing essential resources, funding opportunities, and regulatory frameworks.
- **Access to Organized Data:** Discuss the necessity of organized data on government schemes for entrepreneurship, underscoring its importance in empowering aspiring entrepreneurs to navigate the complex entrepreneurial landscape successfully.
- **Research Objectives:** Outline the research objectives, including exploring the transformative power of entrepreneurship in India, analyzing its role in economic growth, and investigating the impact of government schemes on entrepreneurial success in the form of success stories.



Initiatives for Semiconductor and IT Based Start-Ups

- **Technology Development Program (TDP)**^[1]: Supports the development and integration of technologies across sectors, focusing on socio-economic benefits and involving end users actively in the development process, with a strong emphasis on collaboration among diverse organizations and industry participation.
- **Technology Innovation Fund by Technology Innovation Hub**^[2]: The TIH Foundation for IoT and IoT-E aims to encourage innovation through continuous research, creating an environment for technology-based businesses to flourish and positioning India as a leader in technology-led economic growth, with **25 Technology Innovation Hubs nationwide** driving technological solutions for people-centric problems.
- **Atal New India Challenge (ANIC)**^[3]: To identify and support technology-based innovations addressing challenges of national importance and societal relevance, facilitating the commercialization of innovative solutions through funding and support from the AIM innovation ecosystem, aiming to bridge the gap between research and product development.

^[1] TDP

^[2] Technology Innovation Fund by Technology Innovation Hub

^[3] ANIC



Initiatives for Semiconductor and IT Based Start-Ups

- **Frontier Tech Solutions**^[4]: Under the **UNICEF Innovation Fund**, to support and invest in innovative technology solutions benefiting vulnerable populations worldwide, identifying and nurturing startups leveraging frontier technologies such as **AI and blockchain**, and facilitating partnerships for effective implementation and sustainability of innovative solutions.
- **Digital Communication Innovation Square (DCIS) Scheme**^[5]: Focuses on promoting the ecosystem for research, design, and development of **telecommunication equipment in India**, fostering collaboration among academia, research institutes, startups, and industry to create a balanced telecom ecosystem and positioning India as a global hub for telecommunication equipment production.
- **NIDHI Entrepreneur-in-Residence Program**^[6]: Designed for promising entrepreneurs within selected DST-approved Technology Business Incubators, the NIDHI-EIR Program offers subsistence grants, office space, administrative support, and mentoring for up to 12 months to encourage entrepreneurship among graduating students and make technology entrepreneurship more appealing as a career option.

^[4] UNICEF's Frontier Tech Solutions

^[5] DCIS

^[6] NIDHI

Initiatives for Semiconductor and IT Based Start-Ups

- **STPINEXT Initiatives^[7]**: Established by STPI, collaborates with AIM, NITI Aayog, to nurture innovative startups, such as **AIC STPI Bengaluru**, providing infrastructure and mentoring to incubate startups in **domains like IoT**. Additionally, NGIS consolidates support for **technology startups nationwide**, offering facilities, mentorship, and networking opportunities through **12 STPI Centers**.
- **Telecom Technology Development Fund (TTDF) Scheme^[8]**: Launched by USOF, to support **domestic companies in developing telecommunication products**, focusing on affordable broadband and mobile services in rural areas, fostering collaboration among academia, startups, and industry, and promoting **indigenous manufacturing**. Notable **success stories** include **IIT Kharagpur's collaboration with C-DOT** to develop prototypes for advanced **optical network technology** under the TTDF scheme.
- **Support for International Patent Protection in Electronics & Information Technology (SIP-EIT)^[9]**: Provides **financial assistance to MSMEs and technology startups for international patent filings** in the electronics and IT sector, encouraging innovation and recognizing global intellectual property significance, with reimbursement capped at **Rs 15.0 Lakhs per invention or 50% of total expenses incurred**.

^[7] Software Technology Park of India (STPI)

^[8] TTDF

^[9] SIP-EIT

Initiatives for Women Led Startups

- **Stand-Up India^[10]**: To foster entrepreneurship among women, Scheduled Castes (SCs), and Scheduled Tribes (STs) by providing loans ranging from Rs. 10 lakhs to Rs. 1 crore with competitive interest rates, flexible repayment terms, and additional financing for working capital needs. By promoting inclusivity in access to credit and offering comprehensive financial support, Stand-Up India seeks to drive economic growth, reduce disparities, and create employment opportunities across the country, particularly among underserved communities.
- **NSRCEL IIM Bangalore - Women Start-Up Program^[11]**: Sponsored by Kotak Mahindra Bank Limited, to empowering ambitious women entrepreneurs through a tailored program designed to enhance entrepreneurial and managerial skills.



^[10] Stand-Up India

^[11] NSRCEL IIM Bangalore

Discussions and Conclusions

- **Positive Transformation of the Indian Economy:** The Indian economy is undergoing a positive transformation and is poised to become the **world's third-largest economy** within the **next three years**, fueled largely by the contributions of the startup ecosystem and MSMEs.
- **Emergence of India as a Global Hub for Innovation and Entrepreneurship:** India has emerged as a global hub for innovation and entrepreneurship, with a thriving startup ecosystem and significant government support through initiatives like Start-up India and Stand-Up India.
- **Crucial Role of MSMEs in Driving Economic Growth:** MSMEs, despite being underrated, play a crucial role in driving transformational change in tier 2 and 3 cities and villages, contributing significantly to India's GDP, manufacturing output, and employment.
- **Remarkable Growth of Startups in India:** The remarkable growth of startups in India, with over **1.30 lakh startups and more than 100 unicorns**, has not only created millions of direct jobs but has also contributed significantly to overall economic growth and innovation.