Innovation and Manufacturing
Start-ups

Government of Karnataka
1. India among the best innovators in the world
2. Karnataka pioneer in the growth of the Indian IT industry
3. Funding Ecosystem and Incubation Centres
4. Policy Push
5. Key Market Players
6. Future Opportunities
India among the best innovators in the world

- **60th position** in Global Innovation Index
- **3rd largest** start-up ecosystem globally
- Leading **innovation player** in the IT, biotechnology, pharmaceuticals, automobile parts and assembly sectors of the manufacturing industry
- **Emerging verticals**: Manufacturing, Energy and Healthtech
- **Focus areas for incubation**: Manufacturing, Agriculture, Energy and health
- **More than 4750+ tech start-ups** in 2016
- **Major Start-up Hubs**: Bengaluru, Delhi-NCR, Mumbai (70% start-ups) with 40%+ year on year growth

**BENGALURU**, India’s only city, ranked among top 20 in the Global Start-up Ecosystem Index
Sector Snapshot
Karnataka
Karnataka pioneer in the growth of the Indian Start-ups

Dedicated Start-up Cell guided by the Start-up Policy.

Policy envisaged growth of 20,000 new start-ups, including 6,000 product start-ups by 2020.

Fostering strong partnerships between R&D institutions and Industry through Technology Business Incubators (TBIs)

National Association of Software and Services Companies (Nasscom) and the Karnataka Government have set up 725 seats in the warehouse to facilitate incubators, and among them new start-ups will have 325 seats.

Key Thrust Areas:
- Information & Communication Technology (ICT)/ Internet of Things (IOT)/ Software Products
- Manufacturing including Electronics systems design, Robotics and 3D Printing, manufacturing 4.0
- Healthcare and Bio Pharma
- Agriculture and allied fields
- Clean-Tech
- Energy
- Water and its recycling
- Education
- Nanotechnology and Composites

Biggest Start-up destination, more than 1300+ start-ups account for more than 40% of overall funding as on 2016.

ELEVATE 100, an initiative of the Department of Information Technology and Biotechnology aims to provide a comprehensive entrepreneurship platform for start-ups.
Ecosystem Integrators
Funding Ecosystem and Incubation Centres for Encouraging Startups

**FUNDING OPPORTUNITIES**

**KARSEMVEN FUND, 100 Crores**  
**Sector:** Semiconductor, Electronics System Design & Manufacturing (ESDM), Embedded Systems and such other allied sectors.

**IDEA2POC FUND, Upto 50 Lakhs**  
**Sector:** All technology based sectors

**KITVEN FUND-3 (BIOTECH), 50 Crores**  
**Sector:** Bio Technology, Life Sciences and other allied fields.

**STARTUP FUND OF FUNDS, 200 Crores**  
**Sector:** Multi sector

**GRAND CHALLENGES FUNDS, 15 Crores**  
**Sector:** All sectors

**AVGC VENTURE FUND, 20 Crores**  
**Sector:** Animation, visual effects, gaming and comics

**Incubation Centers in Karnataka**

- GoK NASSCOM 10000 Start-ups Warehouse
- GoK Incubator for Tech Start-ups” (GIfTS)
- GOK-Mobile 10X Start-up Hub
- Incubation and Innovation Centre, in collaboration with IISC & IIM, Bengaluru
  - Centre for Nano Science and Engineering (CeNSE)
- International Institute of Information Technology (IIIT), Bengaluru
- Software Technology Parks of India (STPI) at Bengaluru, Hubli and Mangaluru
- Bangalore Helix Park Cluster in manufacturing
  - Bio Innovation Centre (BBC)
  - Institute for Bioinformatics and Applied Biotechnology (IBAB)
  - Centre for Human Genetic (CHG)
- C-CAMP BioIncubator, Bengaluru
- N.M.A.M.I.T. Nitte MSME Incubation Centre, Nitte Karkala Taluk, Udupi District

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Policy Push
Start-up Policy
2015-2020
Robust Policy Environment

INCENTIVES

- Reimbursement of VAT and CST for early stage start-ups
- Reimbursements on Patent expenditure for both domestic and foreign filings
- Reimbursement on marketing expenditure up to 30% of the cost incurred subject to Rs. 5 Lakhs per start-up annually
- 10% reservation for women in seats of partner incubators
- Self Certification under various enactments

Channelizing innovation for social impact

- Announcement of 5 challenges every year
- Pilots to be implemented through departments
- Winners to be provided with incubation space on a preferential basis

Partner selection through RFPs or with Industry Associations
- Government support for 3 years
- Networking and Aggregation of Common instrumentation Facilities (CIFs)

Incubation infrastructure creation through PPP

Early stage/Idea2 POC (proof of concept) funding

- Validation of Proof of Concept
- Virtual Incubation

Corpus fund for training workshops and exposure trips
- Opportunity to attend global conferences and meet incoming trade delegations and foreign investors

Capacity Building

Entrepreneurs hip in education through NAIN

- Support to professional and PG colleges in Tier-II and Tier-III cities for setting up incubators
- 10 student projects funded in each partner institute
Future Opportunities
Future Opportunities

1. Newer areas of funding for startups
2. Ecosystem creation for high tech startups in Karnataka
3. Technological Innovations in healthcare and Medtech
4. Increasing scope of Artificial Intelligence in entrepreneurship and startup development
Thank You