



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

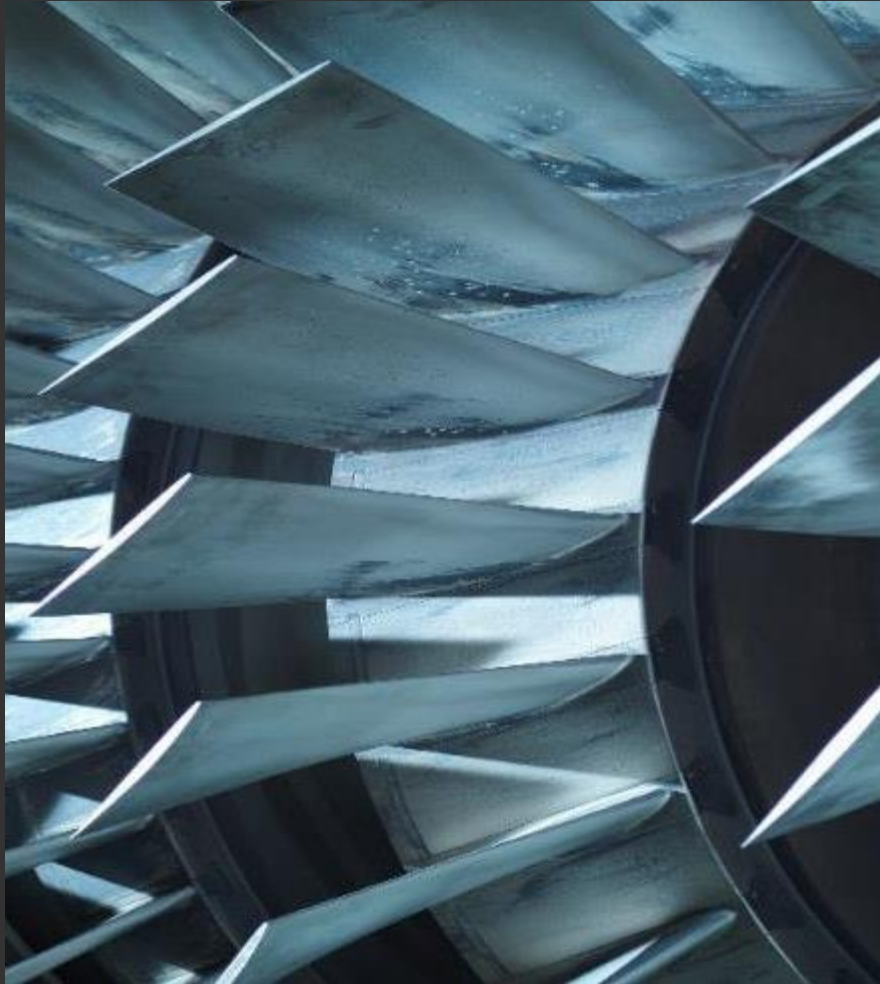
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Key Market Players

6

Future Opportunities

India among the best innovators in the world



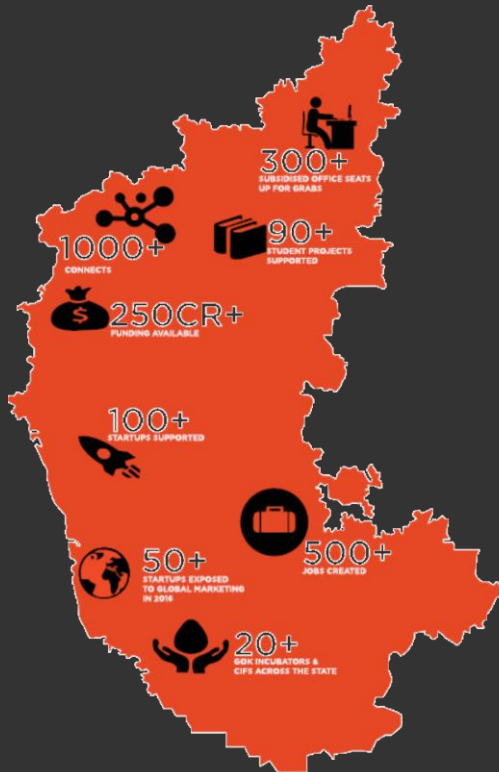
- ▶ **60th position** in Global Innovation Index
- ▶ **3rd largest** start-up ecosystem globally
- ▶ Leading **innovation player** in the IT, biotechnology, pharmaceuticals, automobile parts and assembly sectors of the manufacturing industry
- ▶ **Emerging verticals:** Manufacturing, Energy and Healthtech
- ▶ **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



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

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

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

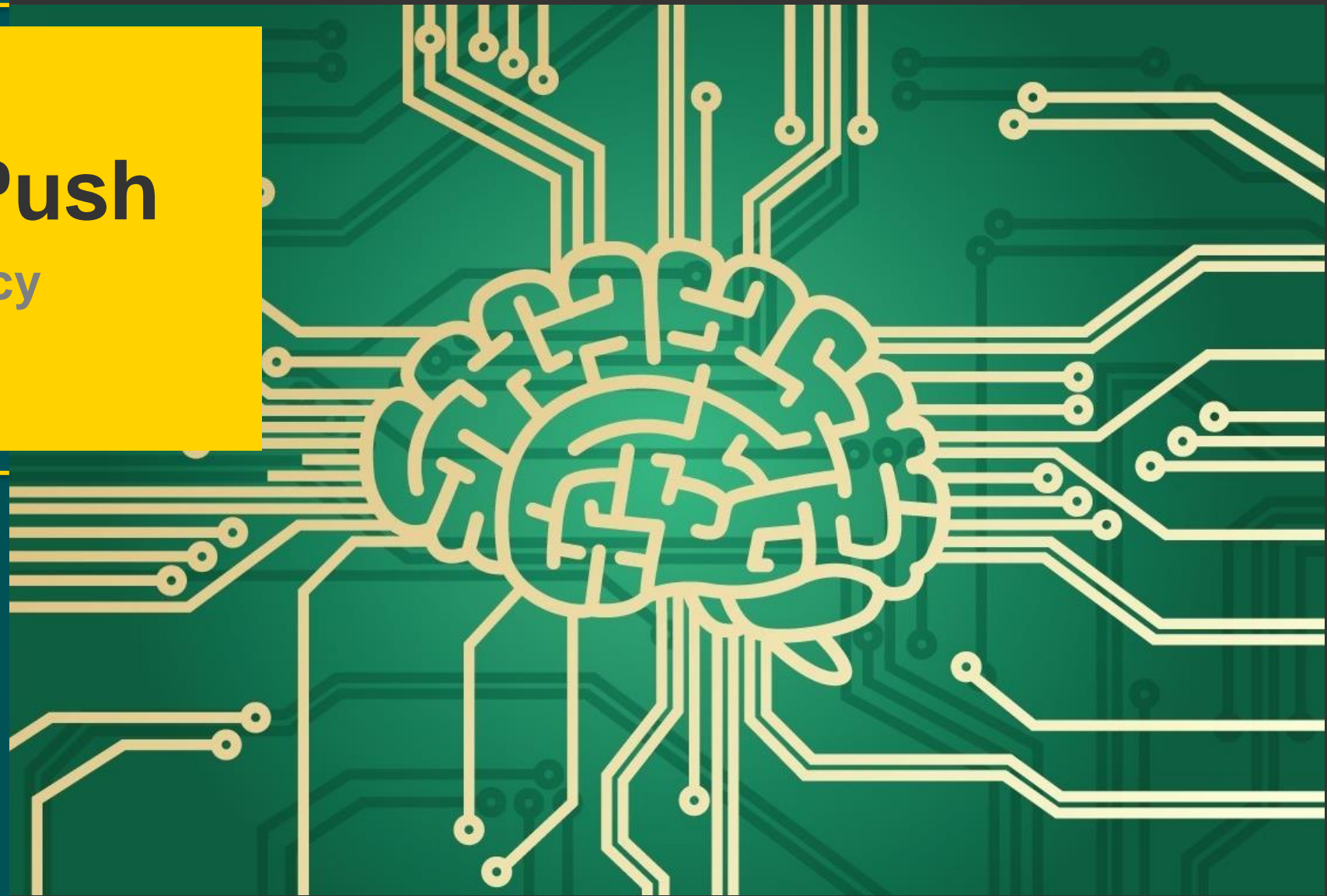
Incubation Centers in Karnataka

- ▶ 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

Policy Push

Start-up Policy

2015-2020



Robust Policy Environment

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

Entrepreneurship 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



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 upto 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

Future Opportunities



Future Opportunities

KEY PLAYERS



Newer areas of funding for startups

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Ecosystem creation for high tech startups in Karnataka

Technological Innovations in healthcare and Medtech

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Increasing scope of Artificial Intelligence in entrepreneurship and startup development



Thank You