



GOVERNMENT OF
KARNATAKA

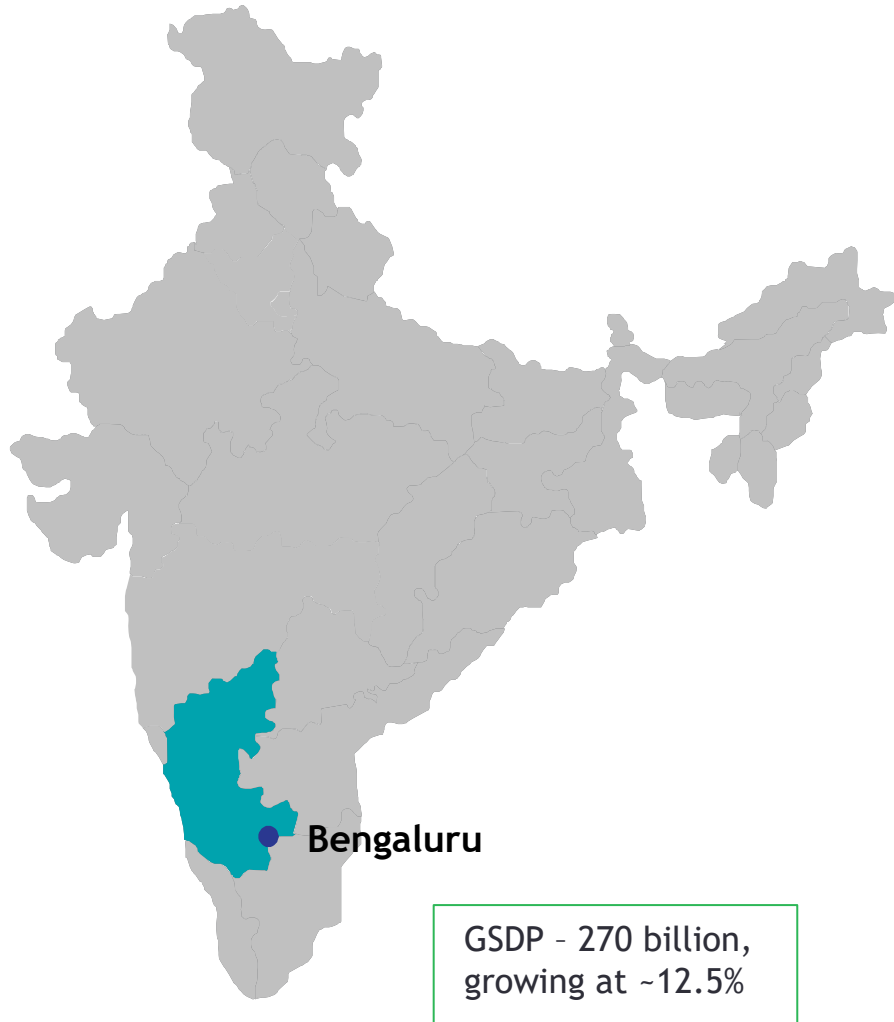
Dept. of E, IT & Bt

Karnataka - Gateway to Tech and Innovation

Government of Karnataka

Overview of **Karnataka**

Karnataka is India's leading innovation ecosystem (1/2)



Economic Overview



4th largest technology cluster in the world



2nd in FDI inflow in FY23 (23% of FDI in India)



Emerged as the Best Performer - for the fourth consecutive year in the Government of India's States' Startup Ranking

Karnataka's Strengths

Top Achiever in Ease of Doing Business

Bengaluru is the startup capital of India -
Ranked among top startup ecosystems globally

400 out of Fortune 500 companies are in the State

Overview of **Karnataka**

Across key technology sectors (2/2)



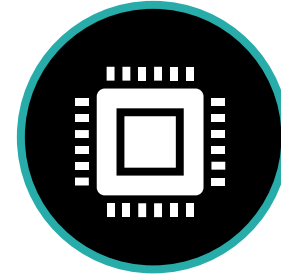
42%

National software (IT)
exports contributed by
Karnataka¹



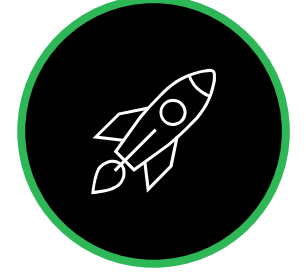
33%

of India's BioEconomy
share²



15%

of Electronics
Exports³



37%

of India's Unicorns
(Startups valued US\$ 1
billion)⁴

Source: 1. STPI Data

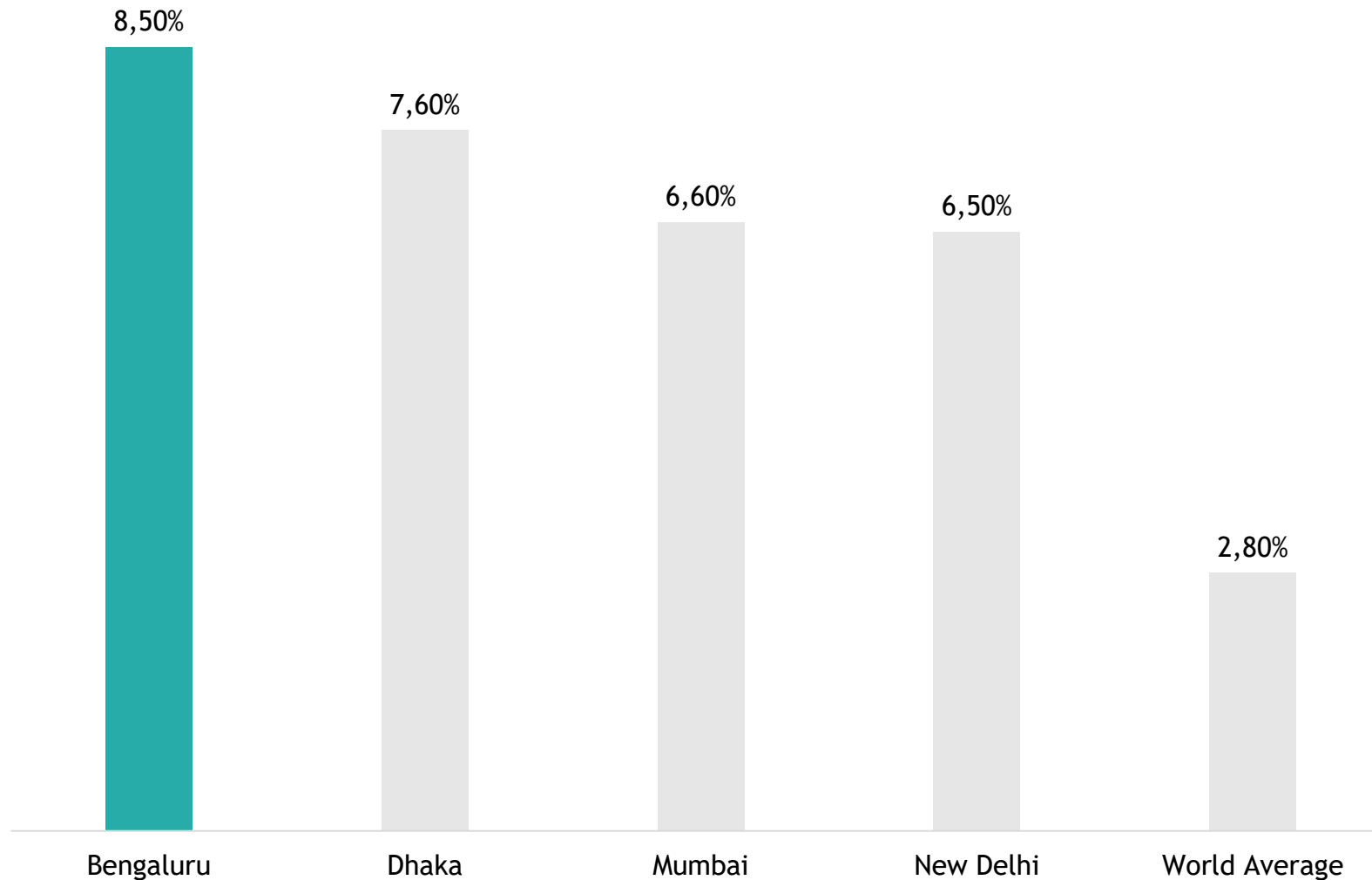
2. Karnataka Bioeconomy Report

3. National Import Export Record

4. Inc42

Overview of **Karnataka**

Bengaluru is the fastest growing city in the world



#1

Fastest growing city in the world for next 15 years

Amongst the world's 780 major cities, 17 of the 20 fastest-growing cities in the world between 2019 and 2035 will be Indian, with Bengaluru, Hyderabad, and Chennai among the strongest performers.

Overview of **Karnataka**

Karnataka is the knowledge capital of India

Largest AI talent pool in India

50% of AI/ML professional in the country

Quarter of India's digital talent

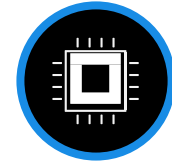
As per report by NASSCOM and Zinnov consulting firm

25% of IoT talent pool

Top 5 cities in the world for AI - TIDE framework and listed by Harvard Business Review



20,000+
Automotive engineers



20,000+
Chip designers



10,000+
Aeronautical engineers



100,000
PhDs



52
Universities



234
Engineering
Colleges



1,777
ITIs
Public and Pvt. Industrial
Training Institutions



Institutes of Excellence
Indian Institute of Management, Indian
Institute of Science, Indian Institute of
Technology etc.

Ecosystem Overview

Information Technology



IT Capital of India - 40% national share in software exports



32% contribution to State's GSDP (US\$ 240 billion - Economic survey)



5,500+ IT/ ITeS companies



1.7 million IT professionals

Yes, B'luru is most dynamic in world

■ City beats London, Silicon Valley: Davos report

Chicago & London, Jan. 17: The country's tech capital Bengaluru has been rated the most dynamic city in the world by the City Momentum Index (CMI), drawn up by a professional services and investment management firm JLL.

This is the first time that Bengaluru has moved to the top slot, while five other Indian cities have also featured in the CMI Global Top 30. In fact, India has snatched the lead from China as home to some of the world's fastest-changing cities, taking six of the top 30, compared with China's five, revealed the report, which was part of the ongoing World



Microsoft CEO Satya Nadella speaks during the first day of the 47th World Economic Forum summit in Davos, Switzerland, on Tuesday —AP

Economic Forum summit in Davos.

Bengaluru has pipped London (6), which was ranked first last year, New York (14), Paris (17) and Los Angeles (27) to make it to the top slot.

"What has become apparent is that these cities are now becoming more tightly

networked and most are outperforming their national economies. These cities integrate change and technology into their DNA, seek to sustain momentum and innovation by cultivating their research and educational capabilities, and by investing in infrastructure," it said. ■ Turn to P4

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AIRBUS

TEXAS
INSTRUMENTS



aws

NOKIA

Walmart+



Western Digital



Ecosystem Overview

Startups and Innovation

8th

As per the [Global Startup Ecosystem Index 2023](#) by Startup Blink

20th

As per [Genome Startup Ecosystem Report 2023](#)

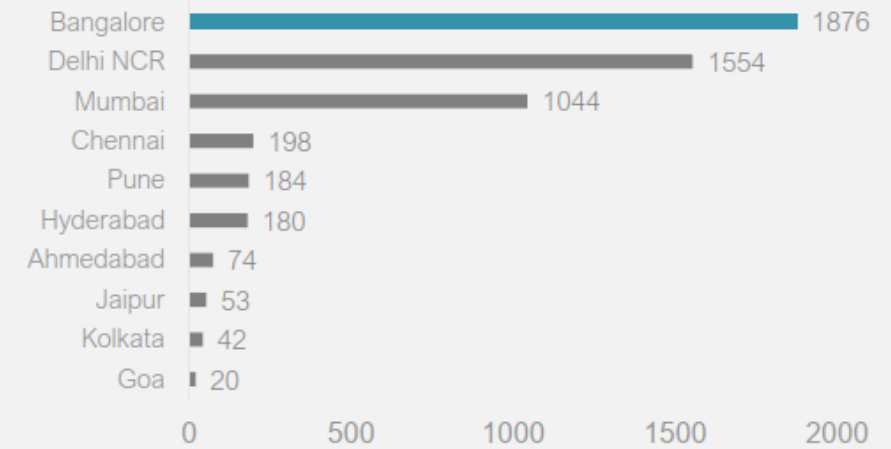
44%

Bengaluru startups received total funding amount of [US\\$ 11 billion](#), [44%](#) of total funding coming to India

#1

DPIIT States Startup Ranking Report - Karnataka is ranked [Best Performer](#) in 2021 and [Top performer](#) in 2018 and 2019.

Top 10 startup hubs in India based on number of funding deals 2020



13,000 DPIIT startups | 114 Incubators | 43 Accelerators | 43 Unicorns (~40% of National share)

GoK supports innovation through **four key pillars**



Futuristic Policies

- Engineering Research & Development
- Startup Policy
- ESDM Policy
- IT Policy
- Data Centre Policy
- Biotech Policy
- AVGC Policy
- GCC Policy



Institutional Support/ Ecosystem Development

- Vision Groups for IT, Bt and Startups
- Karnataka Digital Economy Mission
- GoK Centres of Excellence
- New Age Innovation Network (NAIN)



Foundational/ flagship

- ELEVATE Amrita, Kalyana Karnataka
- Grand Challenges Karnataka
- Prerana/ ELEVATE WomEN Program
- Venture Funds set up by GoK (KITVEN)



Outreach/ engagement

- Bengaluru Tech Summit
- KUIC - Global Innovation Alliances, MNC Engagement Cell

Ecosystem development/ Institutional support

Centres of Excellence

Government of Karnataka has established 14 Centres of Excellence (CoEs) in areas of emerging technology.

Objective of the CoEs is to enhance the overall technology ecosystem of Karnataka and create programs and initiatives across 4 pillars: **Industry, R&D/ academia, government and startups/ ecosystem building.**



Internet of Things
NASSCOM



Efficiency Augmentation
STPI



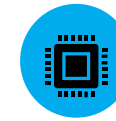
Animation, Visual Effects, Gaming and Comics
ABAI AVGC



Cybersecurity
Indian Institute of Science (IISc)



Agro innovation
C-CCAMP



Semiconductor Design Fabless Accelerator



Internet of Ethical Things
IIIT-B



Machine Intelligence and Robotics
IIIT-B



AI and Robotics Park
IISc



Quantum Research
IISc



Nano Science and Engineering
IISc



Wired and Wireless
IISc



Design
IISc

To be established:

1. *Med tech and Health tech*
2. *Space tech*
3. *Gaming*
4. *Fintech*

Outreach & Engagement

Bengaluru Tech Summit - Asia's largest technology summit



Sessions across 4 tracks - IT, Biotech, Startups and Global Innovation Alliance



BTS is conducted at the iconic Bangalore Palace



Exhibition area showcasing innovative technology solutions



Multi-stakeholder interactive roundtable sessions

27th edition - November 2024

Participation from 45 countries

50,000+ visitors

80+ sessions, 400 speakers, 37,
product launches,

Outreach & Engagement

Karnataka Unit for International Cooperation

1 Govt-to-Govt Strategic Relationship

2 Technology Sharing and Skilling

3 Global Innovation Alliance - Market Access Program

4 MNC/ GCC Engagement Cell

Global Innovation Alliance program is an initiative launched by GoK to create a platform for collaboration on innovation and technology

Deep engagements with leading 30+ technology hubs across the world

60+ engagements - Market Access Program, MoUs focused in innovation and technology, Tech Engagement Meets, Innovation workshops, Institution to Institution collaborations

150+ Delegation visits facilitated/ received since 2017

Industry facilitation, grievance management and Govt - Industry collaborations through MNC Engagement Cell



Thank You