

# Bangalore, India

## Silicon Valley of India



Bringing India into the league of world class service delivery locations, Bangalore is ranked 23rd in Asia on the Global City Competitiveness Index of the Economist Intelligence Unit. After consolidating its lead in IT competence, the city has graduated into an R&D base for global ICT and biotechnology majors. Bangalore is home to several niche skill sets in Asia and has a strong talent bench of IT professionals, engineers, scientists, and research experts. The city's investment incentive strategy has been touted as one of the most effective in Asia. Bangalore provides outsourcing services to 80% of the Fortune 500 companies.

## R&D Center of Asia

Bangalore has demonstrated rapid transformation in terms of realigning resources, infrastructure, and talent from software services to R&D services. The city currently houses more than 366 R&D facilities pursuing innovation, developing new products, and creating intellectual property. Bangalore's competence in high value research and development is reflected in its ability to attract experienced professionals from around the world. In fact, out of the 4,000 scientists, engineers, and researchers at General Electric's Bangalore based John F. Welch Technology Center (the company's largest offshore research facility), a third are US returnees. Bangalore's R&D centers are also at the forefront of Reverse Innovation.

## Function Specific Maturity

Bangalore is the preferred location for establishing technology intensive teams. The talent pool in this south Indian city is well placed to handle high value operations including VLSI design, and development of telecom and embedded software. These product segments account for 30% of the city's total exports. 90% of the top 10 IT companies on the Forbes Global 2000 list have their Indian headquarters based in Bangalore.

## Inclusive Infrastructure

Business and IT infrastructure in the city is built around three core clusters: Software Technology Parks of India, International Tech Park

## Our Client Center

- Situated in Marathahalli
- Global biotech, semiconductor design, and R&D clients
- In-house training facilities, meeting rooms and conferencing center
- 7,000 sq ft expandable floor plate
- Part of the 'Electronic City' ecosystem

## Available Skill Sets

- Scientists
- Researchers
- Compliance
- Project Managers
- Clinical Trial Design & Modeling
- Process Validation
- Developers
- Engineers
- Designers
- IT Consultants
- Technical Writers
- Intellectual Property

## Centers of Excellence

- Fables Chip Design
- BPO & KPO
- Research & Development

Bangalore, and Electronics city. This model enables the geographic concentration of interconnected businesses, suppliers, and associations. With meticulous planning and highly coordinated execution, Bangalore has evolved into the world's second largest technology cluster. The existing IT/ITeS floor space in the city amounts to 70 million sq ft. There are currently 10 operational SEZs in Bangalore. An additional 38 have been granted formal approval and 24 have been notified. Various studies rate Bangalore as the best Indian city to live in. It ranks 139 on Mercer's 2012 Quality of Living Worldwide City rankings.

## Talent Access

With more than half a million installed hi-tech human capital resources, Bangalore is the largest employer of IT professionals in the world. Additionally, 100,000 employees work in core product development roles. The city has 90 colleges that produce 20,000 engineering graduates per year. Another 50,000 engineers graduating from over 100 colleges in Karnataka can be tapped if needed. Majority of these specialize in software followed by electronics and communications.

## Niche Skill Sets

Bangalore ranks on top compared to other tech cities globally in terms of niche skill set availability. The city has a decent supply of hard to find skills including AWK, Natural Language Processing, .NET frameworks like WCF, Text to Speech technologies, and SNOMES (Systemized Nomenclature of Medicines). Due to an abundance of IT professionals, average salaries for widely used programming languages and frameworks are roughly the same as in Hyderabad and Pune.

## Global Semiconductor Hub

The upside of deploying Electronic System Design and Manufacturing (ESDM) teams in Bangalore is immense. The city has a rich history of developing embedded software, complex electronic systems, and chip design. There more than 85 chip design firms in Bangalore making it the largest semiconductor hub outside the Bay Area (California). 70% Indian chip design firms are based here. 9 out of the top 10 global fables design majors have a facility in Bangalore. Moreover, almost 80% of the R&D talent pool meeting the needs of MNC semiconductor makers is concentrated in this city.

## Biotech Capital

Also known as 'Bangalore Helix', the city is India's biotech capital. The 52 acre Alexandria Knowledge Park is dedicated to promoting advances in biotechnology. Leading research and academic centers like the Indian Institute of Bioinformatics and Applied Biotechnology, Indian Institute of

Biotech Research

Manufacturing

Enterprise Software Development

Electronic System Design

366

R&D centers

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20,000

New engineers a year

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70 million

Sq ft of infrastructure

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10

Operational SEZs

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39%

Indian startups based here

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Sciences, University of Agriculture Sciences, and National Center for Biological Sciences, create a highly qualified talent pool of researchers and scientists. The city already has a \$237 million operational SEZ dedicated to biotechnology and two more are in development. The Karnataka government foresees biotech becoming a \$100 billion industry in India by 2025.

## Quick facts

Location	Inland Southern India. 1,000 miles south of New Delhi
Time Zone	GMT +5:30
Climate	Ranging from 70 - 83 degrees fahrenheit
Population	9.6 million
Literacy	89%
Education	10 universities, 50 plus management institutes, and 90 plus engineering colleges
Languages	Kannada (regional), Hindi (national), English