

How to Cite:

Mundra, J., Trivedi, A., Desai, D., & Sanischara, K. (2026). Economic analysis and innovation considerations for startup cafés in India. *International Journal of Economic Perspectives*, 20(7), 772–783. Retrieved from <https://ijeponline.org/index.php/journal/article/view/1356>

Economic analysis and innovation considerations for startup cafés in India

Juhi Mundra

Research Scholar, Faculty of Commerce, GLS University, Ahmedabad, Gujarat, India

Dr. Anjali Trivedi

Assistant Professor, Faculty of Commerce, GLS University, Ahmedabad, Gujarat, India

Dipali Desai

Research Scholar, Faculty of Commerce, GLS University, Ahmedabad, Gujarat, India

Komal Sanischara


Research Scholar, Faculty of Commerce, GLS University, Ahmedabad, Gujarat, India

Abstract--The café culture in India has grown rapidly in recent years, influenced by urbanization, changing consumer preferences, and rising disposable incomes. This research paper analyzes the economic landscape and innovation strategies adopted by startup cafés in India. It explores market trends, startup costs, consumer behavior, and innovative business models, while identifying key challenges and opportunities in the industry. The paper aims to provide a framework for aspiring entrepreneurs, investors, and policymakers to understand the viability and strategic dynamics of café startups in the Indian context.

Keywords--Economic, Innovation, Startup, café, consumer

1. INTRODUCTION

India is a country on the rise. In April 2023 the South Asian nation officially overtook China as the world's most populous country and more than half of its 1.43 billion citizens are currently under the age of 30. Achieving 7.2% full-year GDP growth in 2022-23, the world's largest democracy remains on course to be

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Corresponding author: Mundra, J., Email: mundrajuhi0@gmail.com

Submitted: 09 April 2026, Revised: 18 May 2026, Accepted: 27 June 2026

among the fastest-growing major economies in 2024. (World coffee portal, 2024). The Indian food and beverage (F&B) industry has witnessed a transformative shift, with startup cafés emerging as cultural and entrepreneurial hubs in urban centers. This change is driven by evolving consumer preferences, urbanization, and the increasing influence of global café culture (NRAI, 2023; PwC India, 2022). Startup cafés are not only redefining social spaces but also innovating in terms of product offerings, technology adoption, and customer experience (Kumar & Bansal, 2021). This paper study the intersection of economics and innovation, assessing how startup cafés sustain themselves, attract customers, and differentiate in a competitive market. India's federal system of government works through the central authority and states for better administration on various subjects. Both the national government and the states have the power to make laws, and both have autonomy on certain subjects.

Economic Analysis of Market Size and Growth India's café market is valued at over \$500 million in 2023, projected to grow at a CAGR of 10-12% (Statista, 2023). Metro cities like Bangalore, Delhi, and Mumbai are hotspots, while Tier 2 and Tier 3 cities show growing potential. **Startup Costs** The initial investment required to launch a startup café in India typically ranges from ₹15–₹50 lakhs depending on location, size, and concept. Major cost components: rent (30–40%), raw materials (20%), labor (15%), and marketing (10%). **Revenue Streams** startup cafés in India generate revenue through a variety of streams beyond conventional food and beverage sales. These include in this subscription-based models that offer prepaid beverage plans or exclusive menu access. Loyalty programs aimed at improving customer retention. Event hosting and co-working spaces, which allow cafés to monetize underutilized space during non-peak hours and appeal to the growing segment of remote professionals and freelancers. (PwC India, 2022)

Innovation Considerations of Product Innovation Startup cafés are focusing on fusion menus, regional specialties, and dietary-specific options such as vegan, keto, and gluten-free items. Signature beverages and artisanal coffee/tea blends are being introduced to appeal to evolving tastes and health-conscious consumers (Jain & Sharma, 2022). **Technological innovation** Startup cafés are focusing on fusion menus, regional specialties, and dietary-specific options such as vegan, keto, and gluten-free items. Signature beverages and artisanal coffee/tea blends are being introduced to appeal to evolving tastes and health-conscious consumers (Jain & Sharma, 2022). Mobile apps for ordering and loyalty rewards, QR code menus, AI for inventory and customer preference analytics, Contactless payment and smart kitchen automation, on other side Cafés are also enhancing their brand identity through themed environments—such as book cafés, pet cafés, art cafés, and even robotic cafés. Hosting live music events, community gatherings, and offering co-working spaces builds customer loyalty and promotes a social experience (Raj & Dey, 2019). There is growing emphasis on environmental responsibility, with many cafés adopting eco-friendly packaging, operating zero-waste kitchens, and sourcing ingredients from local farms or fair-trade suppliers. These practices appeal to ethically conscious consumers and support long-term brand value (Bhattacharya & Rao, 2020).

2. RESEARCH OBJECTIVES

- 1) To study the economic landscape of the startup café industry in India.
- 2) To explore innovative practices adopted by startup cafés in terms of products, services, and technology.
- 3) To assess consumer perceptions and behaviors related to café innovation and service delivery.

3. SIGNIFICANCE OF THE STUDY

This study holds both academic and practical relevance in understanding the evolving landscape of India's startup café industry. As the café segment becomes increasingly competitive, entrepreneurial ventures must identify effective strategies for sustainability and growth. By examining the economic dynamics and innovation practices within startup cafés,

From an academic perspective, the study enriches existing literature on service innovation, consumer behavior, and entrepreneurship in emerging markets. While considerable research exists on large-scale hospitality chains, relatively less attention has been paid to independent startup cafés in India, particularly from a multidisciplinary lens that integrates economics, innovation, and customer experience.

On a practical level, the insights gained can help current and aspiring café entrepreneurs make informed business decisions related to pricing models, operational efficiency, customer engagement, and the adoption of new technologies. Investors and incubators may also benefit from identifying the key factors that influence café performance and customer loyalty. Additionally, policymakers and urban planners can leverage these findings to support local entrepreneurship, employment generation, and cultural development through café spaces.

4. LITERATURE REVIEW

India's startup café sector has flourished in recent years due to the rise in disposable income, urbanization, and the influence of global coffeehouse culture. The café segment of the Indian food and beverage (F&B) industry is growing at a compound annual growth rate (CAGR) of 12–15%, with increased demand from younger demographics and working professionals. Café Culture in India: Over the past two decades, India's café market has grown due to urban lifestyle changes, especially among millennials and Gen Z consumers (National Restaurant Association of India [NRAI], 2023). Economic challenges such as high rental costs, workforce management, and raw material volatility continue to impact profitability for startups in this space (Ernst & Young, 2021). The entry of international and homegrown café brands has intensified competition, pushing new entrants to adopt innovative economic models (PwC India, 2022). Startup Ecosystem: India ranks among the top startup ecosystems globally, with F&B startups comprising a significant portion, supported by incubators and digital platforms (Startup India Report, 2022). Innovation in Service Industry: Research highlights innovation as a key determinant of startup success, particularly in customer experience, product

diversification, and technology integration. Innovation is a critical factor in the sustainability of modern cafés. In India, startup cafés differentiate themselves through diverse product offerings (e.g., vegan or regional specialties), personalized service, and thematic experiences (Kumar & Bansal, 2021). The integration of technology—such as mobile apps, QR-code menus, AI-driven analytics, and cloud kitchens—has enhanced both operational efficiency and customer engagement (Choudhury & Ghosh, 2020). Some cafés also use sustainability and ethical sourcing as branding tools, aligning with conscious consumerism trends (Jain & Sharma, 2022). Consumer behavior in urban India has shifted toward valuing experiences over transactions. Millennials and Gen Z consumers actively seek ambiance, digital convenience, and social media-friendly environments (KPMG, 2021). Studies show that innovative cafés offering curated experiences and personalization enjoy higher customer loyalty and positive word-of-mouth (Raj & Dey, 2019). Furthermore, consumers' willingness to pay is influenced by perceived innovation, with tech-enhanced service and sustainability features leading to higher satisfaction levels (Bhattacharya & Rao, 2020). Existing studies primarily emphasize macroeconomic trends, customer satisfaction in established chains, or general innovation within the hospitality sector (Kumar & Bansal, 2021; PwC India, 2022).

5. RESEARCH GAP

This study aims to bridge the gap between theoretical knowledge and real-world application by offering actionable insights into the strategic development of innovative and economically viable startup cafés in India. While some research highlights innovation in the broader service industry, few delve into how startup cafés in India innovate in terms of product offerings, technology adoption, and experiential design to remain competitive in a rapidly evolving market.

Providing an in-depth analysis of the economic landscape specific to startup cafés. Exploring innovative practices from a multi-dimensional perspective (product, service, technology). Investigating consumer perceptions and behaviors tied to café innovation and service experience.

6. SCOPE AND LIMITATIONS

This research is limited to publicly available secondary data, which may restrict access to proprietary or internal business insights from specific café startups. As such, the findings are interpretive and based on synthesized external observations rather than primary field data. However, the use of validated sources and academic literature ensures the reliability and credibility of the findings.

7. RESEARCH METHODOLOGY

Research Design

This study adopts a descriptive research design to study the economic landscape and innovation practices within India's startup café sector. A secondary data-based approach has been employed to collect, interpret, and synthesize existing literature, reports, and statistical data relevant to the objectives of the study.

Data collection

The research is based entirely on secondary data, collected from credible and authoritative sources including: Government publications and economic surveys (e.g., Ministry of Commerce & Industry, Startup India reports, Fssai Reports), Industry research reports (e.g., Statista, KPMG, PwC, NRAI reports), Academic journals and peer-reviewed articles (via Google Scholar, JSTOR, ResearchGate), News media articles, white papers, and company websites related to Indian cafés and food startups. This secondary data approach enables a comprehensive understanding of current trends, startup dynamics, and innovation strategies within the Indian café ecosystem. Data was collected using systematic literature review techniques. Keywords such as “startup cafés India,” “café innovation,” “F&B entrepreneurship,” “consumer trends,” and “service innovation in cafés” were used to identify relevant material. Reports and articles from the last few years (2017–2024) were prioritized to ensure relevance and timeliness.

Data Analysis Method

The data collected was analyzed using quantitative content analysis. Emerging themes were identified related to economic challenges, innovation practices (product, technological, experiential, and sustainable), and consumer behavior. A thematic synthesis was conducted to draw connections between innovation strategies and business sustainability in startup cafés.

Discussion and findings on food and beverages industries bombing in India, based on startup café. Study economic landscape of the startup café industry in India.

Around 70% of the F&B industry in India is unorganized run by small outlets, local eateries, snacks centers, Dhabas, canteens, etc. While the remaining 30% is organized and comprise fine-dining restaurants, casual dining spaces, tea and coffee cafes, bakeries, ice cream parlours, smoothie bars, food courts, etc. The silver line is organized spaces are growing very fast as demand for quality food, better services, hygiene, and branded eating are rising steeply.

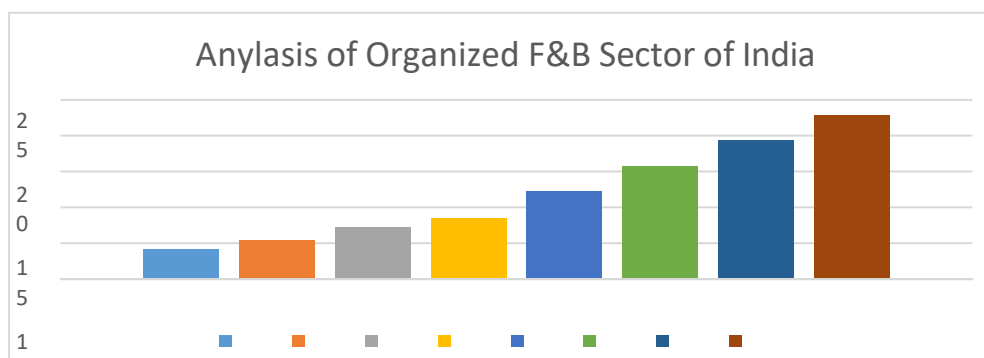
Besides standalone eateries & restaurants, chained outlets and cafes are thriving across length and breadth of the country. Recent years has seen rapid expansion in International food chains such as McDonalds, KFC, Pizza Hut, Dominoes, Burger King, Subway, Dunkin Donuts, Starbucks, Costa Coffee, etc. Likewise, other prominent international brands such as Tim Hortons, Gloria Jeans, Wendy’s etc. have ventured in the Indian market, lured by its long-term potential.

Meanwhile numerous India-grown brands such as Haldiram, Bikanervala, Burger Singh, Chaayos, Chai Point, CCD, Sagar Ratna, Blue Tokai, Roastee, Chai Sutta Bar, Yo China, Rollsking, etc. are also extending its footprint across metros and other Tier 2 & 3 cities in the country. The growth in the organized F&B is stemmed by rise in disposable income, healthy economic outlook, rapid pace of urbanization, and changing lifestyle patterns. Other factors such as increased participation of women in workforce, trends of nuclear families, and rise in migrant workforce are

also fuelling demand for F&B. One of the categories, which is growing at a scorching pace is the café segment.

Increasingly people cutting across various age groups such as millennials, gen Z, and grown-ups love to eat and hang out in stylishly designed modern cafes. From family get togethers to small parties to just chillout meets, these new age cafes are becoming the bastion of modern Indian socialization and relaxation. Interestingly these sleek and edgy places are also becoming a hub for business networking, hosting meet-ups, and doing remote work (Indiawatch, 2024) This will also necessitate the need for tailored market research & insights, business advisories, information services, and feasibility analysis for new F&B ventures.

| Year | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--------------------|------|------|------|------|-------|-------|-------|-------|
| Annual growth rate | 4.19 | 5.46 | 7.23 | 8.52 | 12.32 | 15.83 | 19.45 | 22.94 |



Source:

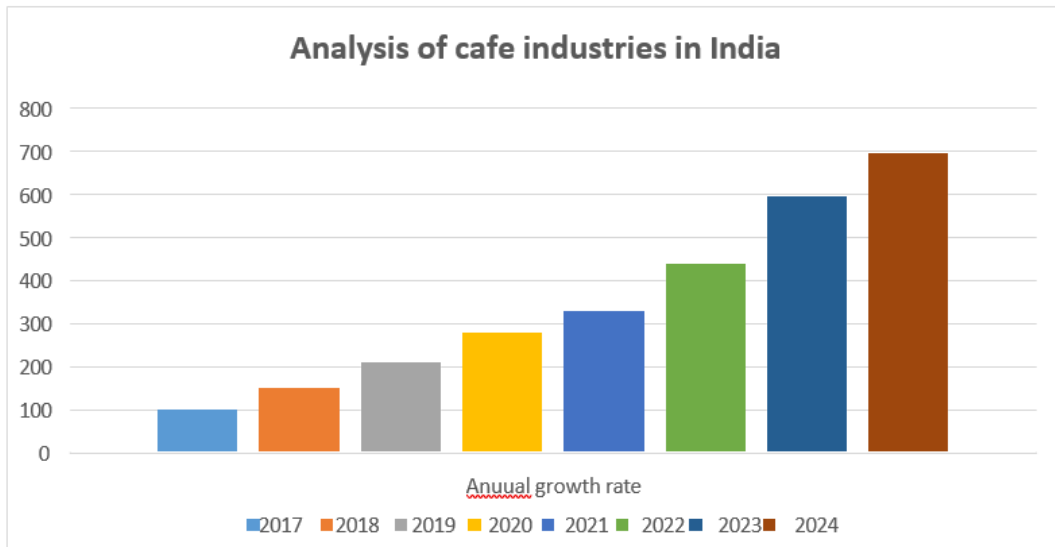
[https://theindiawatch.com/public/web_control/uploads/_8059_Indias%20Cafe%20Industry%20Overview%202024%20\(2\).pdf](https://theindiawatch.com/public/web_control/uploads/_8059_Indias%20Cafe%20Industry%20Overview%202024%20(2).pdf)

Interpretation: Organized F&B Sector of India. This study analysis increasing 18.75% growth from last year (2017 -2024). Total revenue is expected to show an annual growth rate (CAGR 2022-2029) of 11.4%, resulting in a project market volume of US\$38.73m by 2029.

Discussion and findings on cafe industries bombing in India, based on startup café. Study explores innovative practices adopted by startup cafés in terms of products, services, and technology

The café industry comprising of tea & coffee places, smoothie bars, and bakeries will continue to grow in India. The segment will also get buying boost from mushrooming of new malls, high streets, commercial neighborhoods, shopping arcades, etc. As such places grow vigorously, new food outlets & spaces will multiply simultaneously. The Indian café industry might be very lucrative and poised to grow fast, it is also a competitive. Numerous traditional family-owned businesses, new-age chained outlets, specialty stores, standalone outlets, are vying with each other to gain large market share.

| Year | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--------------------|------|------|------|------|------|------|------|------|
| Annual growth rate | 100 | 150 | 210 | 280 | 329 | 439 | 597 | 697 |



Source: <https://theindiawatch.com/>

Interpretation: analysis of café industries rapid growth from 2022 to 2024 year, 439 to 697. Growing industries in India. Café coffee industries brings innovative outlets India.

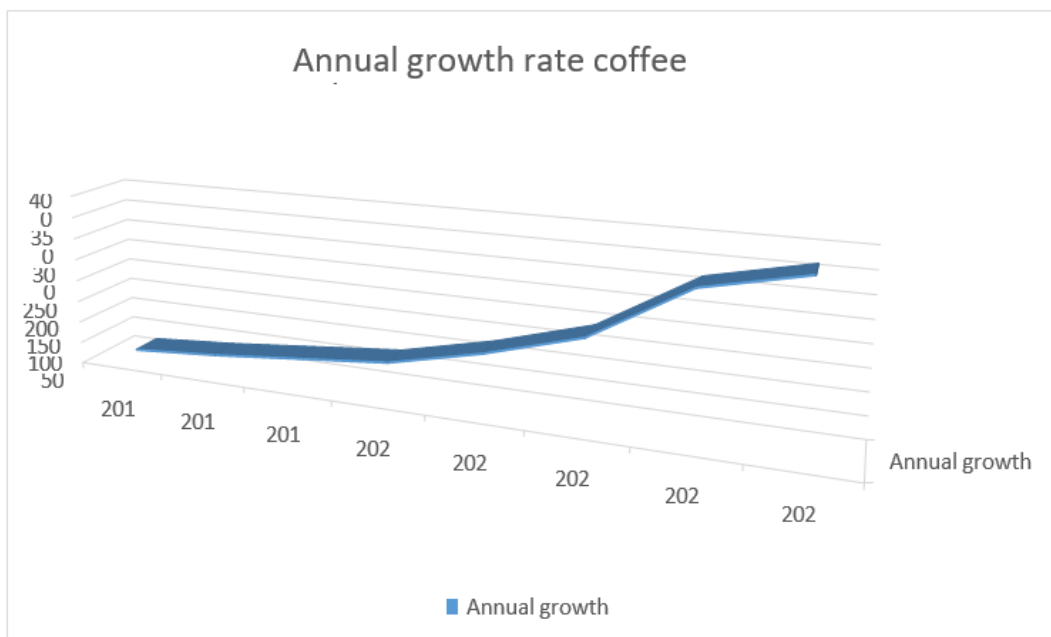
Discussion and findings on cafe industries assess consumer perceptions and behaviors related to café innovation and service delivery

Evolution of Organized Café Industry in India: The Cafe segment of India has undergone a substantial transformation, resulting in the country's economic growth and changing lifestyles. Tea cafes, once a novelty, have become a staple for people of all ages, from millennials to adults. The evolution of tea preferences from traditional milk-based chai to a diverse range of variants, including green, white, Oolong, and spiced tea, reflects the growing sophistication of Indian consumers. A similar trend can be noticed with the emergence of cafes as social spaces and coffee culture gaining more popularity, indicating a movement towards a more Western-style eating out culture. This evolution has been driven by factors such as rising disposable income, urbanization, and the desire for experiential dining experiences. As the Indian economy continues to grow, the organized Cafe sector is poised for further expansion and innovation. Qualified segmentation of the Indian market has also encouraged the development of new concepts in India's organized Cafe business such as smoothie bars and bakery cafes. These optional outlets concentrate on a larger audience and offer specific product categories to the health-oriented consumer. This has led to the increased demand for smoothie bars which are healthy, refreshing, and can be tailored to individual preferences,

while bakery cafes are hot spots for yummy treats like pastries, cakes, and other baked products.

Coffee Cafe Industry of India:

| Year | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--------------------|------|------|------|------|------|------|------|------|
| Annual growth rate | 25 | 40 | 60 | 80 | 129 | 191 | 319 | 367 |

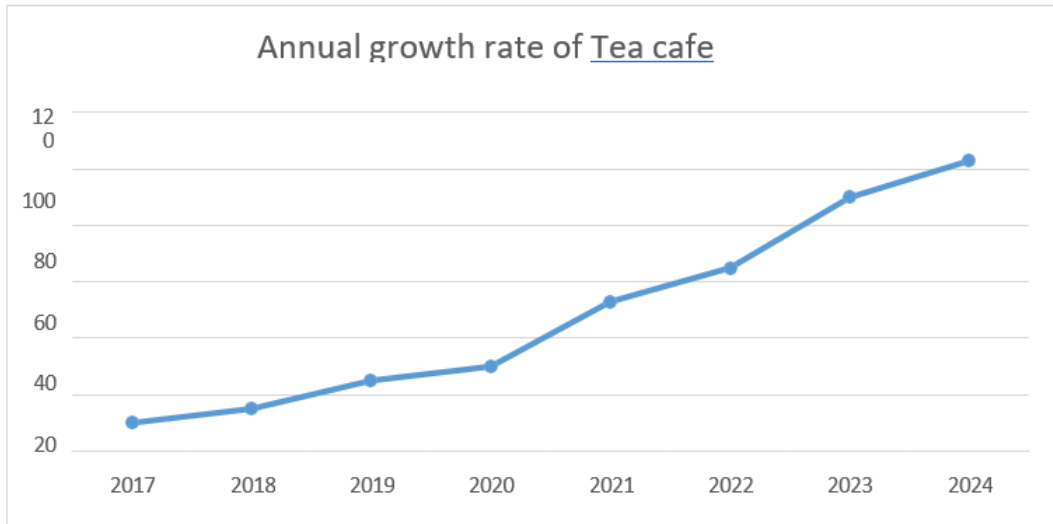


Source: <https://theindiawatch.com/>

Interpretation: Coffee industries grow after covid-19 and the increase of coffee has increased rapidly 2021 to 2024, The country has seen a sharp rise in coffee cafés comprising, both specialty and chain outlets. As per the research by The India Watch, India has currently close to ~2650 coffee café outlets. Out of this, chain outlets comprise 89.8% (2380). Others are mainly branded specialty outlets.

Tea Cafe Industry of India:

| Year | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--------------------|------|------|------|------|------|------|------|------|
| Annual growth rate | 10 | 15 | 25 | 30 | 53 | 65 | 90 | 103 |

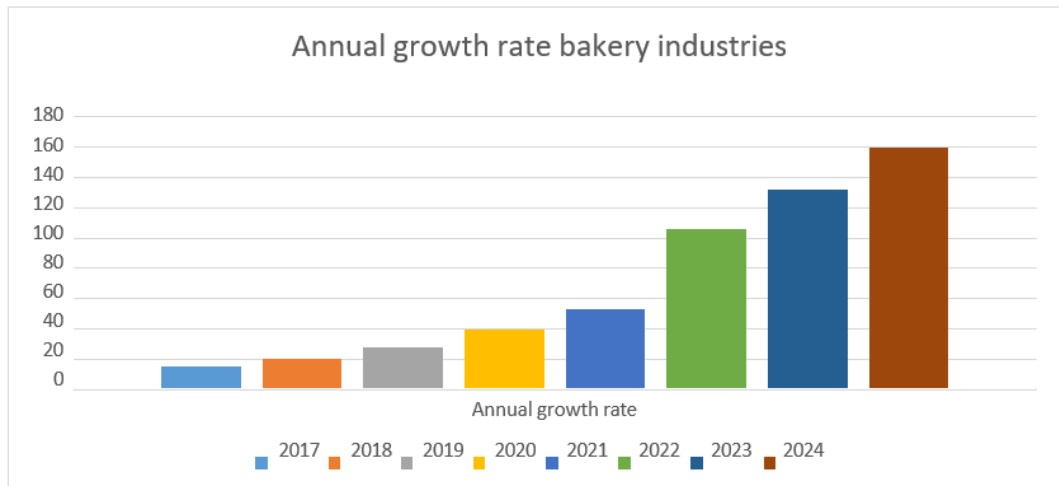


Source: <https://theindiawatch.com/>

Interpretation: The total size of the chai café market in India is USD 103.9 Million, growing by 15.47% in the past 12 months. (CAGR growth of 25.1% between FY 21 to 24). On other side, 51% of the market revenue-wise is managed by two leading brands, Chaayos and Chai Point, Tea Post. There are a total of 1,238 branded tea café outlets in India.

Cakes & Bakery of Industry of India:

| Year | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--------------------|------|------|------|------|------|------|------|------|
| Annual growth rate | 15 | 20 | 28 | 40 | 53 | 106 | 132 | 160 |



Source: <https://theindiawatch.com/>

Interpretation: The Indian bakery industry has witnessed significant growth, driven by factors like rising disposable income and changing consumer preferences. Chains like Winni, 7th Heaven, Bakingo, and Monginis, Theobroma etc. have played a key role in popularizing bakery products across India. These chains offer a variety of cakes, pastries, and other baked goods, catering to diverse tastes and occasions.

8. CONCLUSION

Startup cafés in India offer significant entrepreneurial potential but require careful economic planning and a strong focus on innovation. By leveraging consumer trends, digital tools, and experiential strategies, startups can differentiate themselves in a crowded market. Policymakers and investors must also support this sector with accessible funding, infrastructure, and regulatory simplification.

The study of economic analysis of startup café in India is booming by 18.75% growth from last year (2017 -2024). Total revenue is expected to show an annual growth rate (CAGR 2022-2029) of 11.4%. Analysis of data describe about café industries in India rapidly growing faster by 26% (2022-2024). She shows food and beverages industries growing faster.

After COVID-19, Indian consumer has developed various taste like in Tea, Chai, Coffee and Bakery items, which led more startup outlet open, people tend to go out for eating, playing, gossips, gaming café, some have open innovative café as a Robotic café. Approx., 2650 café has opened up, some more are upcoming. These rates are growing up. More outlets coming up in many other cities of India. The total size of the chai café market in India is USD 103.9 Million, growing by 15.47% in the past 12 months. (CAGR growth of 25.1% between FY 21 to 24). On other side, 51% of the market revenue-wise is managed by two leading brands, Chaayos and Chai Point, Tea Post. There are a total of 1,238 branded tea café outlets in India. The Indian bakery industry has witnessed significant growth, driven by factors

like rising disposable income and changing consumer preferences. Chains like Winni, 7th Heaven, Bakingo, and Monginis, Theobroma etc. have played a key role in popularizing bakery products across India. These chains offer a variety of cakes, pastries, and other baked goods, catering to diverse tastes and occasions.

The startup café industry in India presents a dynamic and evolving economic landscape, shaped by increasing urbanization, changing consumer lifestyles, and a growing culture of entrepreneurship. Innovative practices in product offerings, service models, and the integration of technology have emerged as key differentiators for startup cafés striving to establish a unique market presence. From thematic ambiances and experiential menus to digital ordering and customer engagement tools, these innovations not only enhance operational efficiency but also enrich the overall customer experience. Consumer perceptions and behaviors reveal a clear preference for personalized, high-quality service experiences coupled with novel and Instagram-worthy offerings. The modern café-goer values ambiance, convenience, and digital integration just as much as food and beverage quality. As a result, successful startup cafés are those that continuously adapt to shifting consumer expectations while maintaining a strong brand identity. Overall, the industry is poised for growth, with ample opportunities for startups that can balance creativity, consistency, and customer-centric innovation in their business models.

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