

BRC BYTES

The Power of Play: Exploring the Growing **Gaming Market**

Executive Summary

The Indian and Global Gaming Market: A Rapidly Evolving Landscape



The Indian gaming market is set to grow substantially, projected to reach \$8.6 billion by 2027, while the global market is expected to hit \$340 billion.

From FY 2020 to FY 2023, the Indian gaming industry has experienced a remarkable 28% CAGR.

Regulatory Challenges and Industry Responses



However, the introduction of a 28% GST on total deposits for real-money gaming (RMG) companies, up from the previous 18% GST on gross gaming revenue, has created significant challenges, including:

- Geographical diversification by RMG companies seeking more favorable tax regimes
- Shutdowns and stalled revenue growth for some firms
- A funding winter and layoffs across the industry

Evolving Business Models and Regulatory Advocacy



In response, RMG companies are making structural changes to their business models to ensure viability. They are also actively advocating for regulatory authorities to devise taxation standards similar to those in other countries, which typically tax based on gross gaming revenue rather than total deposits.

Executive Summary

Bright Spots in the Gaming Ecosystem



Despite the challenges, certain segments of the gaming industry have shown promising growth in engagement, user base, and investor interest:

- Esports
- Indie game studios ("estudios")
- Mobile-based casual games

Emerging Opportunities in Gaming



The segments that have the potential for significant growth in the coming years:

- Blockchain in gaming
- AR/VR gaming
- Generative AI in gaming

Understanding the Gaming Landscape



To provide a broader context, the deck covers the gaming sector's parlance, value chain, and three key metrics relevant to every gaming company:

- Engagement
- Genre
- Monetization

Evolution of the Gaming Industry: Past to Present

Which **Segment** of the Entertainment Industry is the Largest?

Music Industry ~\$25 Bn⁽¹⁾

Hollywood ~\$40 Bn⁽²⁾

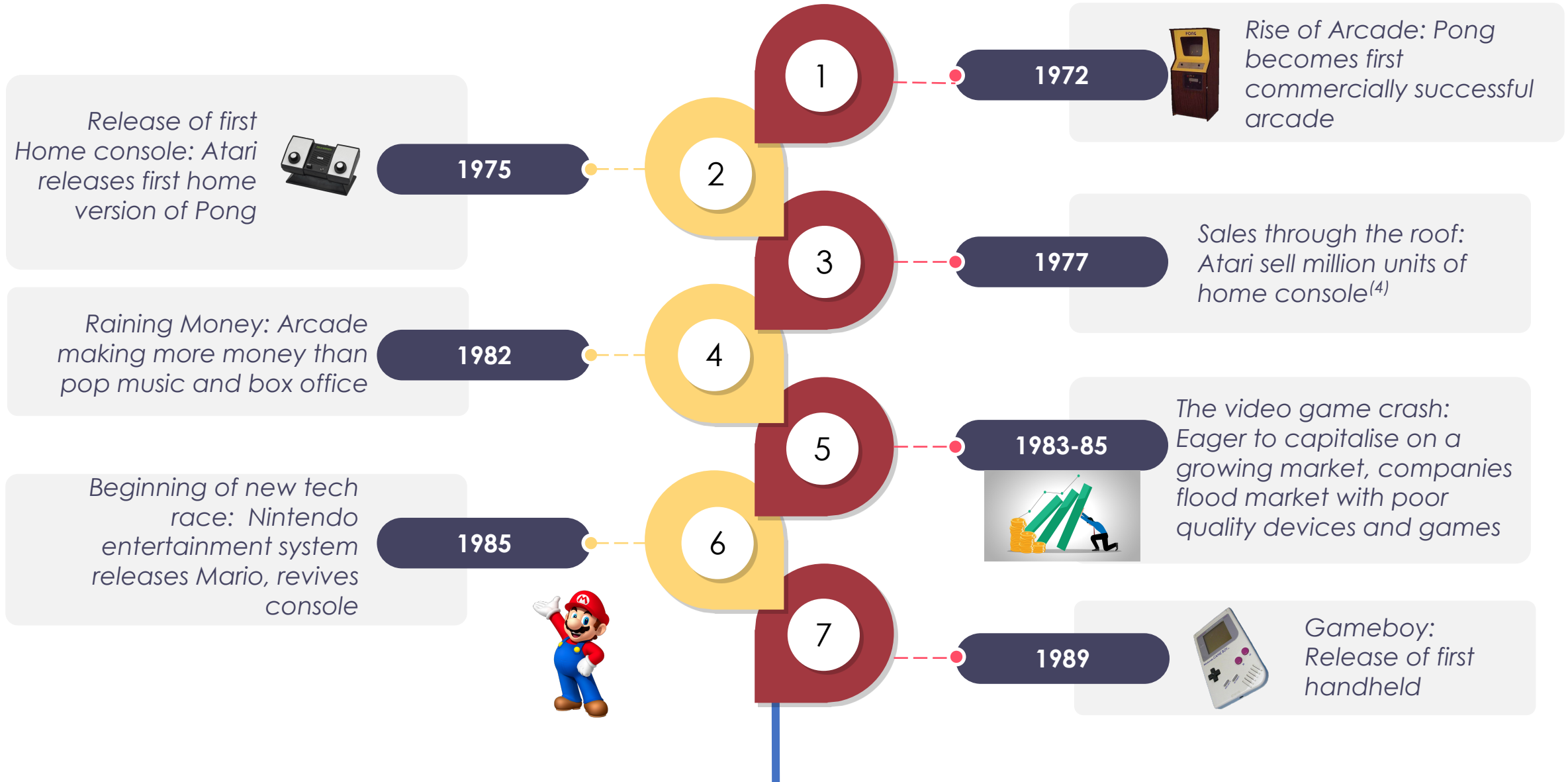
Gaming Industry (GI) ~\$200 Bn⁽³⁾

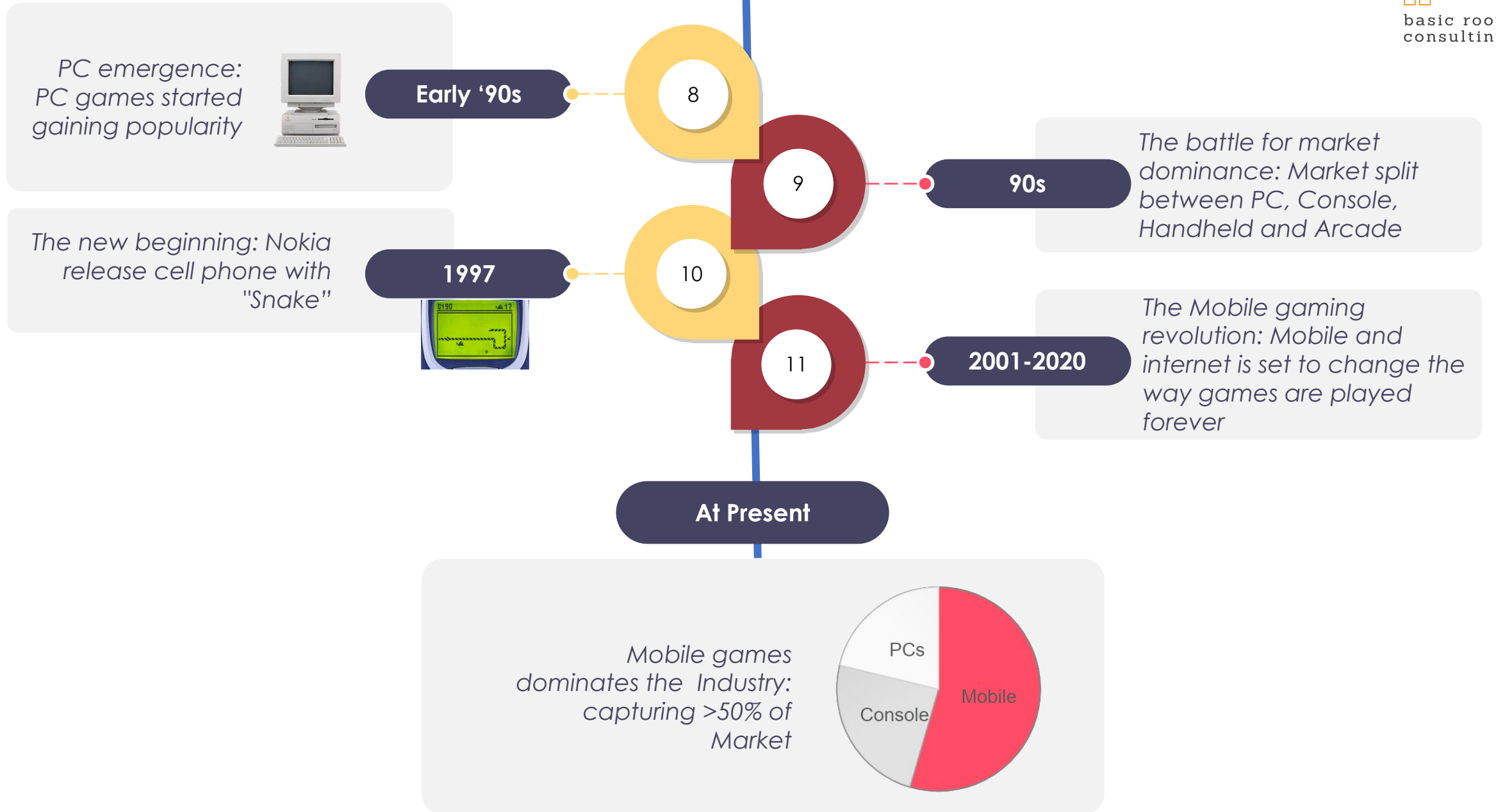
Gaming industry is 8x of Music Industry,
5x of Hollywood



OG* of Entertainment Industry

A Journey through Decades



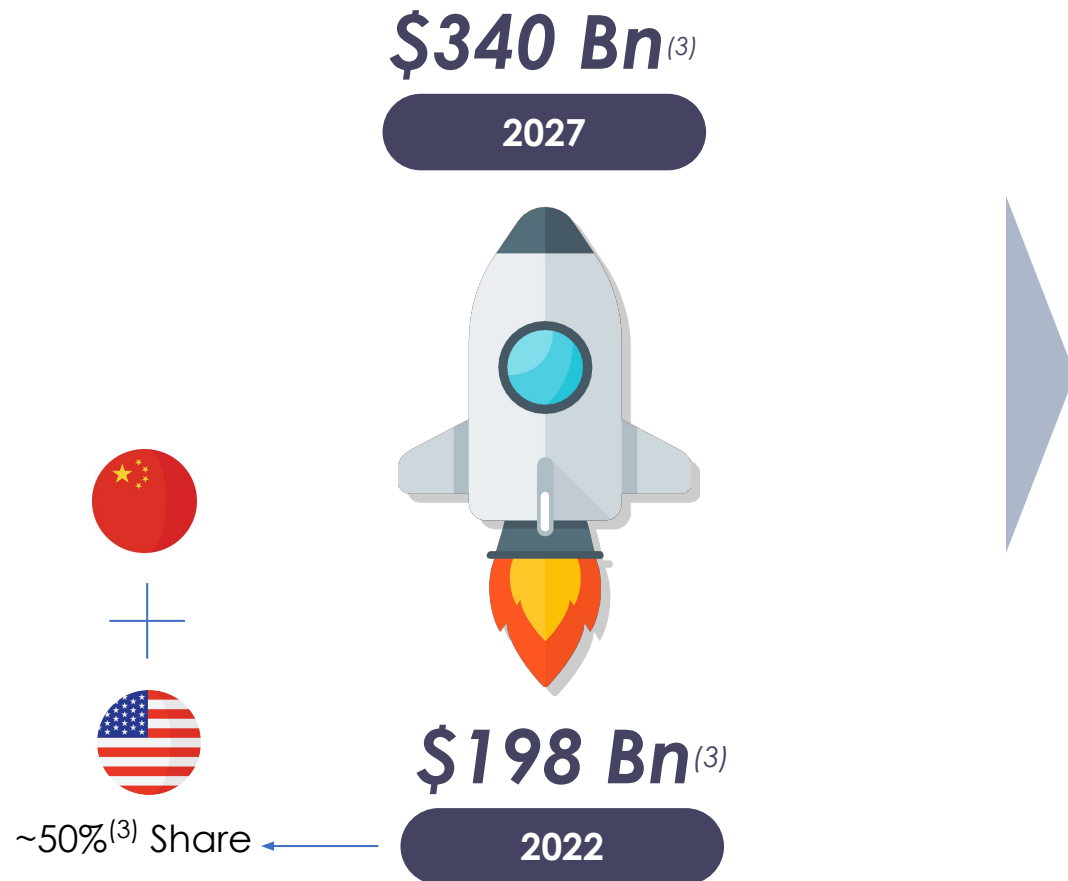


The Gaming Industry takes the World by Storm

A Market on the Rise

Gaming Market Set to Fly

India has a long way to go

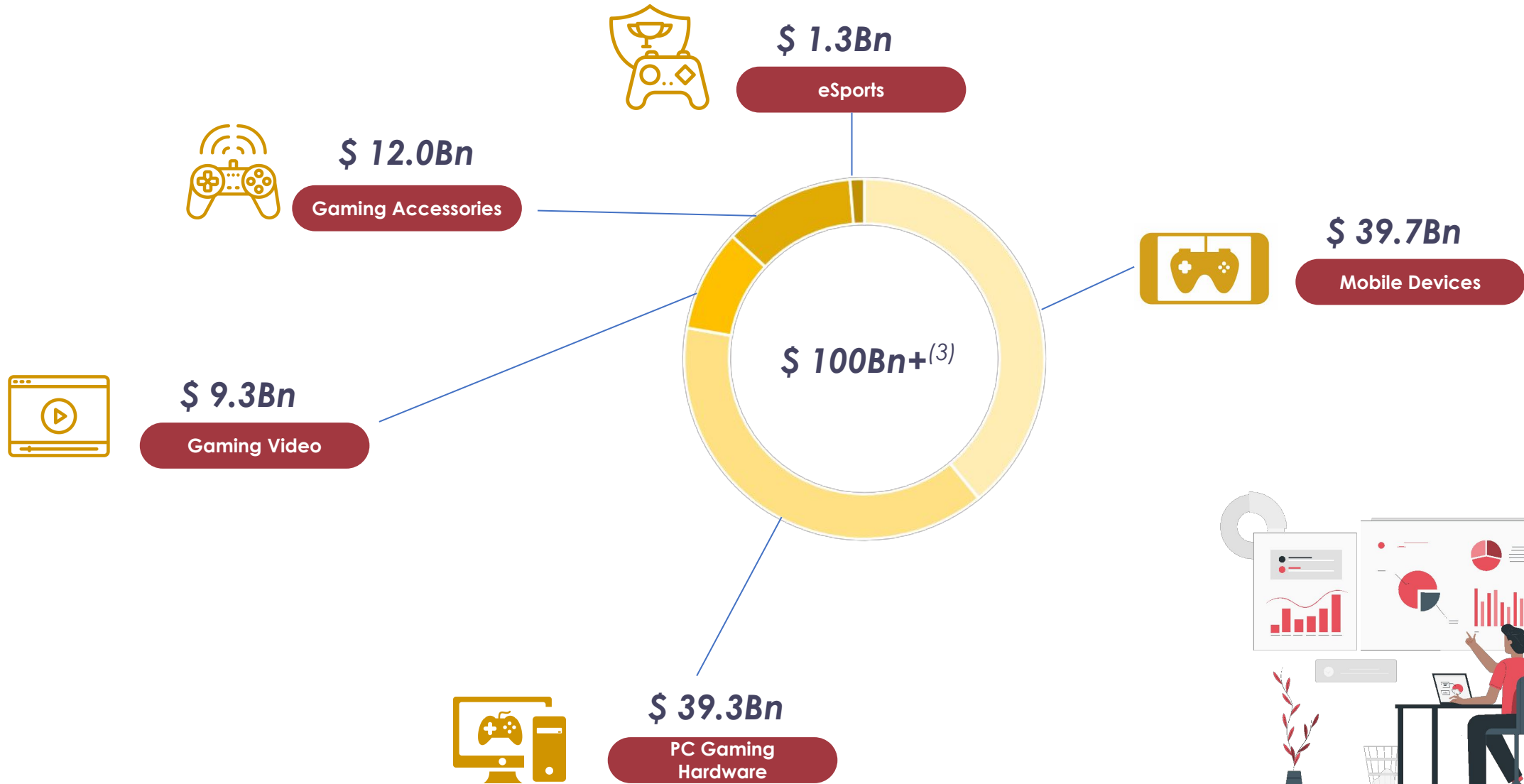


Global gaming landscape: a comparative analysis of key metrics across leading gaming nations

	India	USA	China	Japan	South Korea	Germany
CAGR of gaming market (FY20-23)	28%	9%	7%	7%	5%	2%
Gaming market size in the country (FY23); INR crore	16,428	363,600	370,064	161,600	63,832	53,328
Gaming market size in the country as a % of global gaming market (FY23)	1.1%	24%	25%	11%	4.3%	3.6%
Number of gamers (FY23); Mn	425	191	750	102	34	50
Growth of gamers (FY22-23)	7%	1%	1%	5%	7%	3%
Gamer penetration % (FY23)	30%	56%	53%	83%	66%	60%
Mobile gamers as a percentage of total gamers (FY23)	94%	37%	62%	48%	36%	43%

Sources: All correct estimates; Worldometer; 2023 Newzoo Global Games Market Report; industry discussions

Beyond Gaming: Exploring the Emergence of a Robust Supporting Network



Gaming Industry - Value Chain



1 **IP/Brand Owner:** Owns the brand/IP for the game | Receives licensing fee as a share of revenue



2 **Developer/Game Studio:** Designs, develops and tests the game | Undertakes live ops (updates, fixes)



3 **Publisher:** Takes the game to target audience through distribution and marketing | Partners with developers for game tweaks, market needs



4 **Distributor:** Offers games through platforms for end-gamers | Majority of casual games through play/app stores | PC and console games also through console stores and platforms



5 **Advertising agency/network:** Serves advertisements through their networks | Ad requests sent directly to networks/mediation platforms | Publisher earns revenue for displaying ads

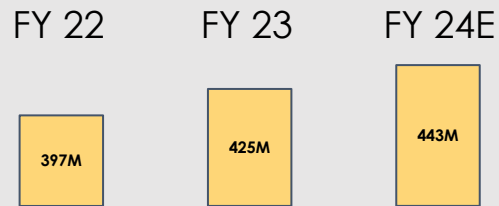


6 **Gamers:** Individuals playing games } Categorized as casual, mid-core, hard-core, professional
Example: Candy Crush players, Fortnite players, Esports athletes.

Evolution of Indian Gaming Industry

A Quick Glimpse on how the Last Few Years looked like in India

Number of Gamers



Online Gaming Market Size



Key Stats

~90% gamers in India are mobile gamers

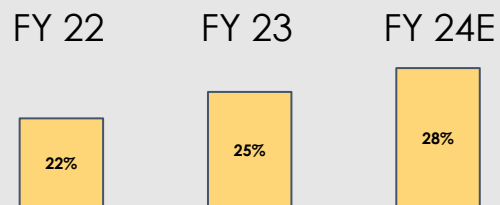
India has captured only ~1.5% of the global market by revenue

RMG comprises of ~82.8% of market share in FY 23 with more than 400 RMG startups

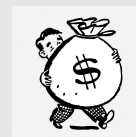
10-12 Hours
Average time spent by per active user on gaming in a week

RMG - Real Money Gaming

% Share of Paying Gamers











Investments in Gaming Cos



~\$ 2.8 Bn









Investments since FY 20









India has Mix of Homegrown & Global Players, Competing across Value Chain (1/2)

Players	Place in Value Chain	Role
 	Enablers	Game Tech
 	Enablers	Game Tech
 	Content development	Independent IP owners
 	Content development	Independent IP owners
 	Content development	Independent IP owners
 	Content development & Marketing	Studios & Publisher

Players	Place in Value Chain	Role
 	Content development & Marketing	Studios & Publisher
 	Content development & Marketing	Studios & Publisher
 	Content development & Marketing	Studios & Publisher
 	Content development & Marketing	Studios & Publisher
 	Content development & Marketing	Studios & Publisher
 	Content development	eSports Team

India has Mix of Homegrown & Global Players, Competing across Value Chain (2/2)

Players	Place in Value Chain	Role
 	Content development	eSports Team
 	Marketing & Distribution	Gaming platforms
 	Marketing & Distribution	Gaming platforms
 	Marketing & Distribution	Gaming platforms

Players	Place in Value Chain	Role
 	Marketing	Ad networks
 	Marketing	Ad networks
 	Distribution	Esports League
 	Distribution	Esports League

Other Enablers & Interface

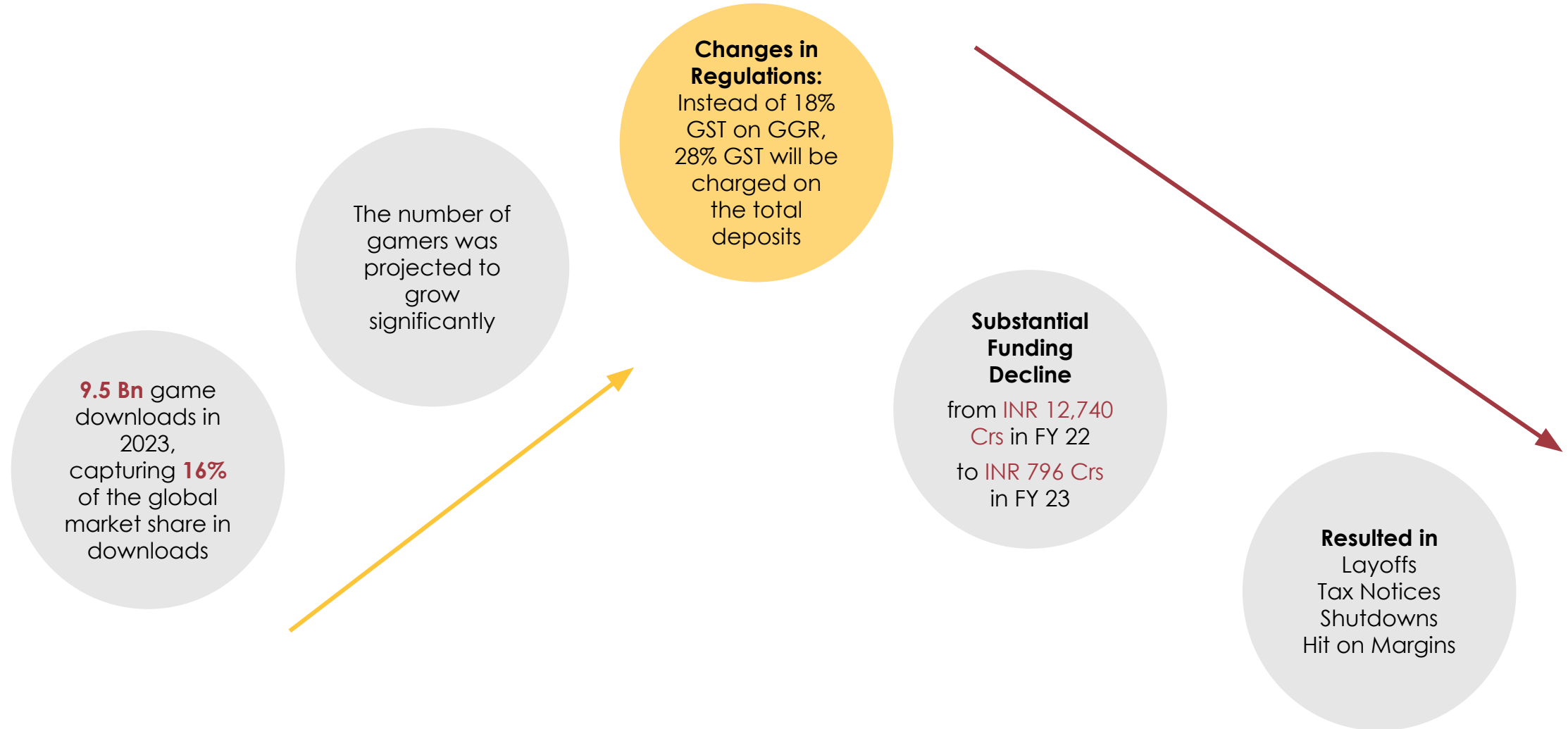
App Stores

Payment Gateways

Devices

Social Media Platforms

When the Industry Showed a lot of **Promise**, What Changed the **Trend**?



The Impact of the Change in Numbers

One Way Outcomes : Winners May Lose Losers Lose More

Under the new GST regime, winners may end up losing money in some cases, while losers incur losses that are 35.7% more, as illustrated below.

Before

GST @18% on Gross Gaming Revenue

Rounds	Contribution by Player X	Contribution by Player Y	Platform Fee @ 11%	GST on Platform Fee @ 18%	Prize Pool	Winner
Round 1	100	100	22	3.96	174.04	X
Round 2	100 (from Winning Pool)	100 (Additional Contribution)	22	3.96	174.04	Y
Round 3	74.04 (from Winning Pool) + 25.96 (Additional Contribution)	100 (from Winning Pool)	22	3.96	174.04	X
Round 4	100 (from Winning Pool)	74.04 (from Winning Pool) + 25.96 (Additional Contribution)	22	3.96	174.04	Y
Round 5	74.04 (from Winning Pool) + 25.96 (Additional Contribution)	100 (from Winning Pool)	22	3.96	174.04	X

Final Cashflow Position	Net Contribution (A)	Net Amount Won (B)	Difference (B - A)
Player X - wins 3 rounds	151.92	174.04	22.12
Player Y - wins 2 rounds	225.96	74.04	-151.92

After

GST @28% on Total Deposits

Rounds	Contribution by Player X (Inclusive of GST)	Contribution by Player Y (Inclusive of GST)	Platform Fee @ 11%	GST on Deposits @ 28%	Prize Pool	Winner
Round 1	128	128	22	56	178	X
Round 2	100 (from Winning Pool)	128 (Additional Contribution)	22	28	178	Y
Round 3	78 (from Winning Pool) + 28.16 (Additional Contribution)	100 (from Winning Pool)	22	6.16	178	X
Round 4	100 (from Winning Pool)	78 (from Winning Pool) + 28.16 (Additional Contribution)	22	6.16	178	Y
Round 5	78 (from Winning Pool) + 28.16 (Additional Contribution)	100 (from Winning Pool)	22	6.16	178	X

Final Cashflow Position	Net Contribution (A)	Net Amount Won (B)	Difference (B - A)
Player X - wins 3 rounds	184.32	178	-6.32
Player Y - wins 2 rounds	284.16	78	-206.16

At the end of 5 games, the net outcome for both the players stands negative indicating that both the players are losing money irrespective of whether they are winning or losing the game.

Has RMG Adjusted to 28% and this is the **New Normal**?

Strategic adjustments and business pivots by online gaming companies post the GST amendment

Evaluating the tradeoffs:



Whether or not to absorb the GST impact:

- absorb the entire GST liability
- pass on the burden partially or completely to the users

Impending wave of industry consolidation



Smaller companies either winding up or undergoing acquisitions

Product innovation and diversification



Considering innovative strategies to reduce CAC, improve unit economics and exploring non-RMG gaming alternatives could provide a means to diversify revenue streams

Geographical diversification



The GST amendment provides further impetus for RMG firms to diversify operations into other geographies, offering a viable growth lever

Cost rationalization measures



RMG companies are prioritizing cost-cutting measures to combat the challenging unit economics and achieve sustainable growth

Advocating for the Policy Change



Industry bodies like FIFS, EGF, and AIGF have been actively engaging with policymakers to highlight the adverse impact of the GST amendment

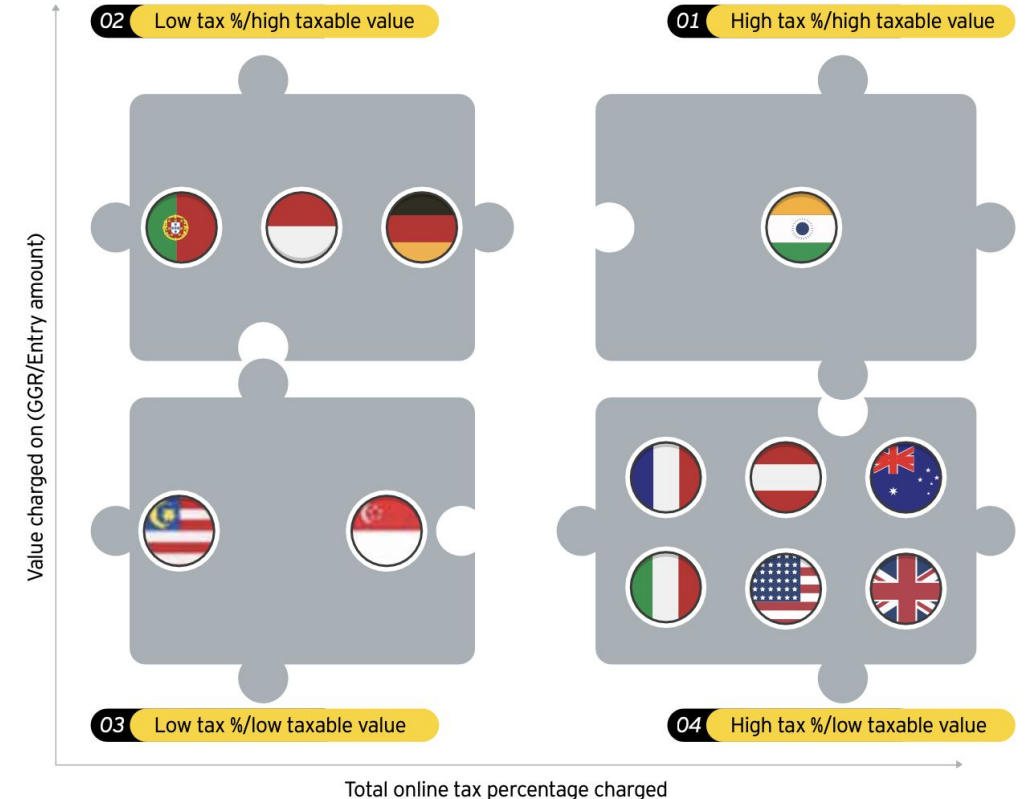
International Standards for Regulating and Taxing Online Games

Landscape of the global online RMG taxation



Source: New frontiers - Navigating the evolving landscape for online gaming in India, EY report
 Report titled GST on online gaming, July 2023
 Report titled Online Gaming in India: Taxation Quandary

Landscape of the global online RMG taxation



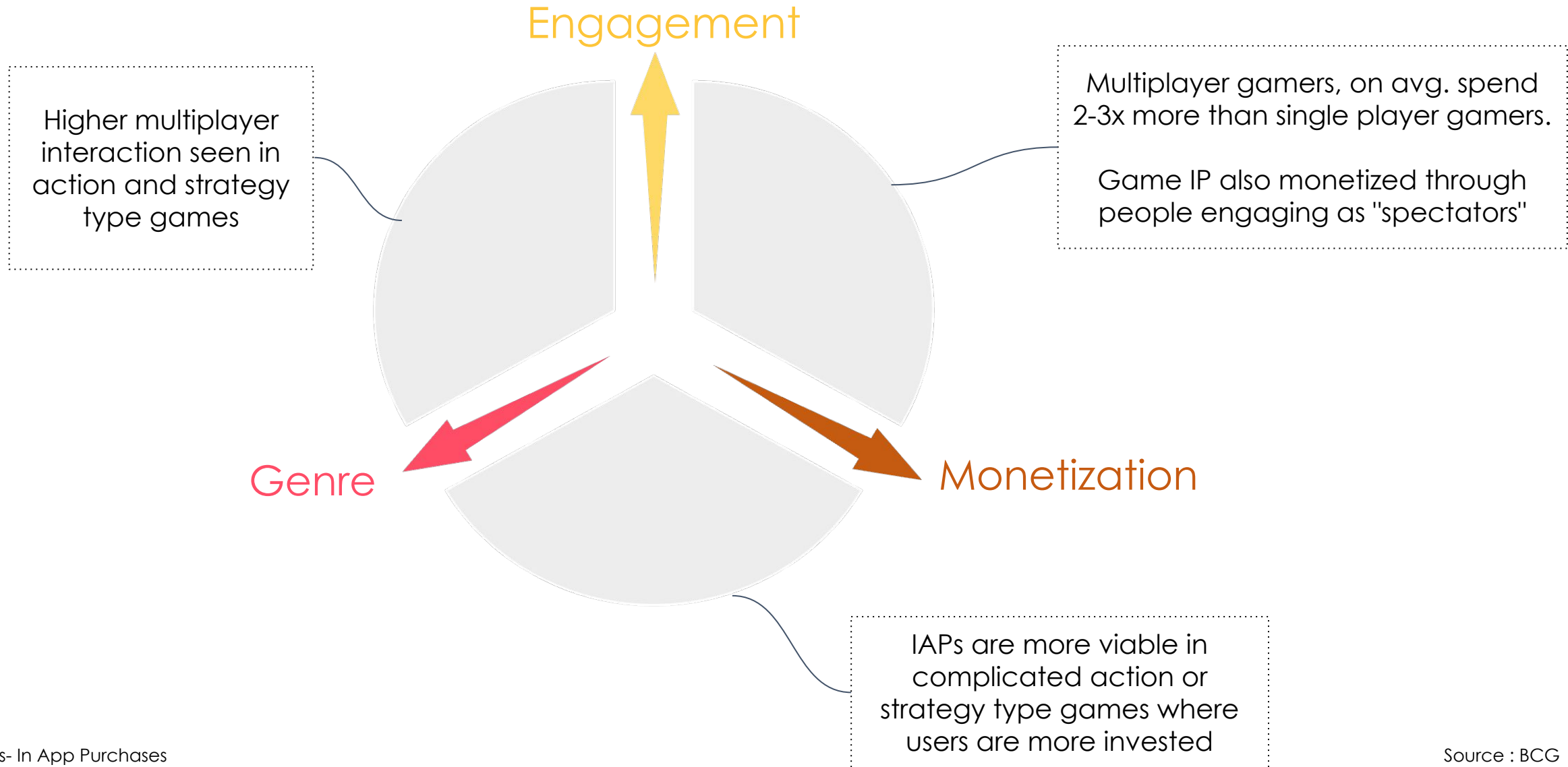
Source: New frontiers - Navigating the evolving landscape for online gaming in India, EY report

Source : EY

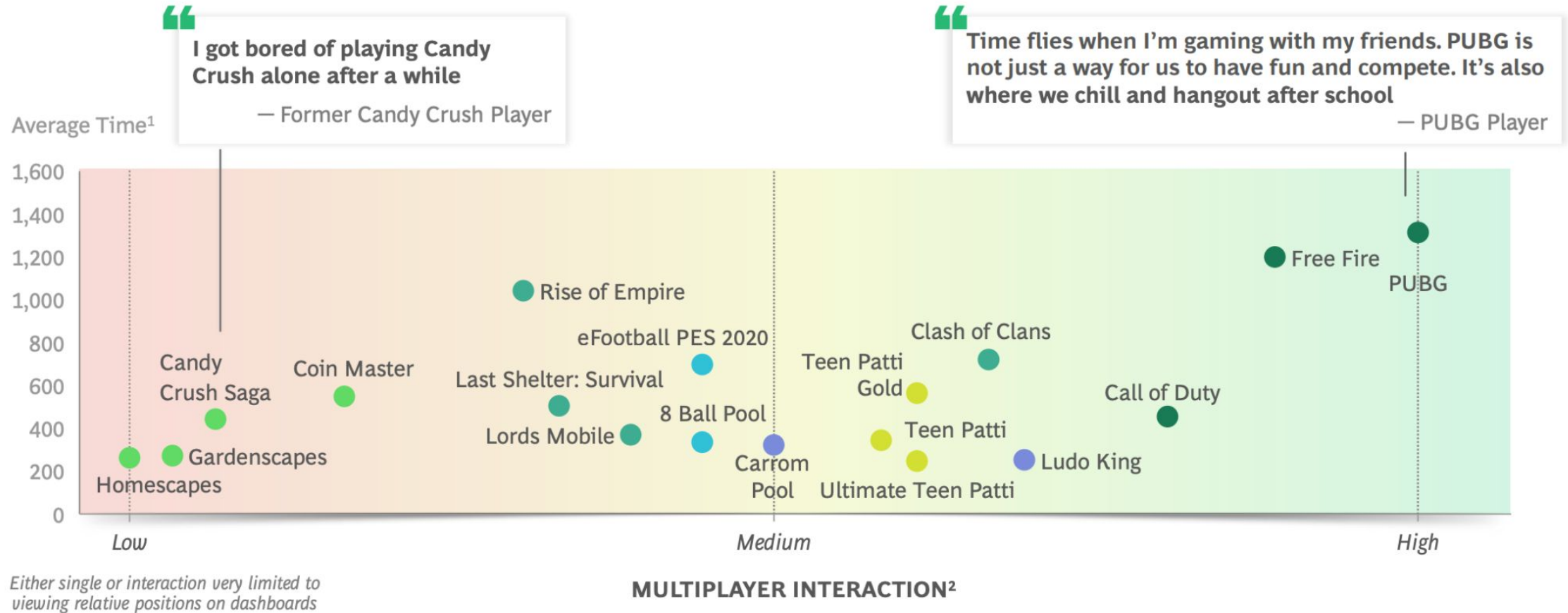
By studying and potentially adopting best practices from these international models, India could create a more favourable environment for its online gaming industry, aligning with global standards and attracting more international investment.

How does the Gaming Industry Operate?

3 Dimensions of Modern Gaming



Engagement: Multiplayer sees Higher Time Spent

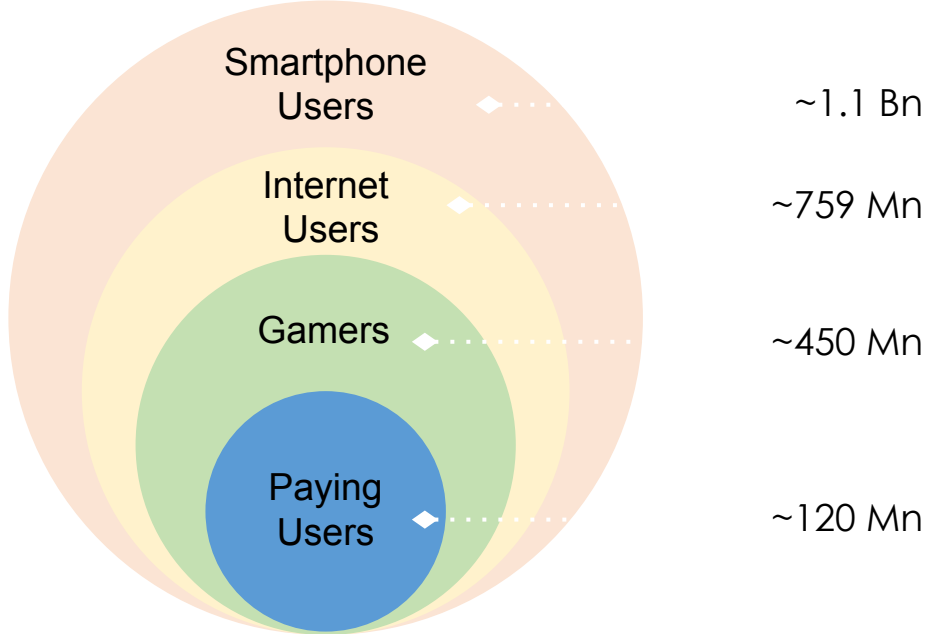


Market Expansion Fueled by Emerging Game Genres and Increasing Smartphone Adoption

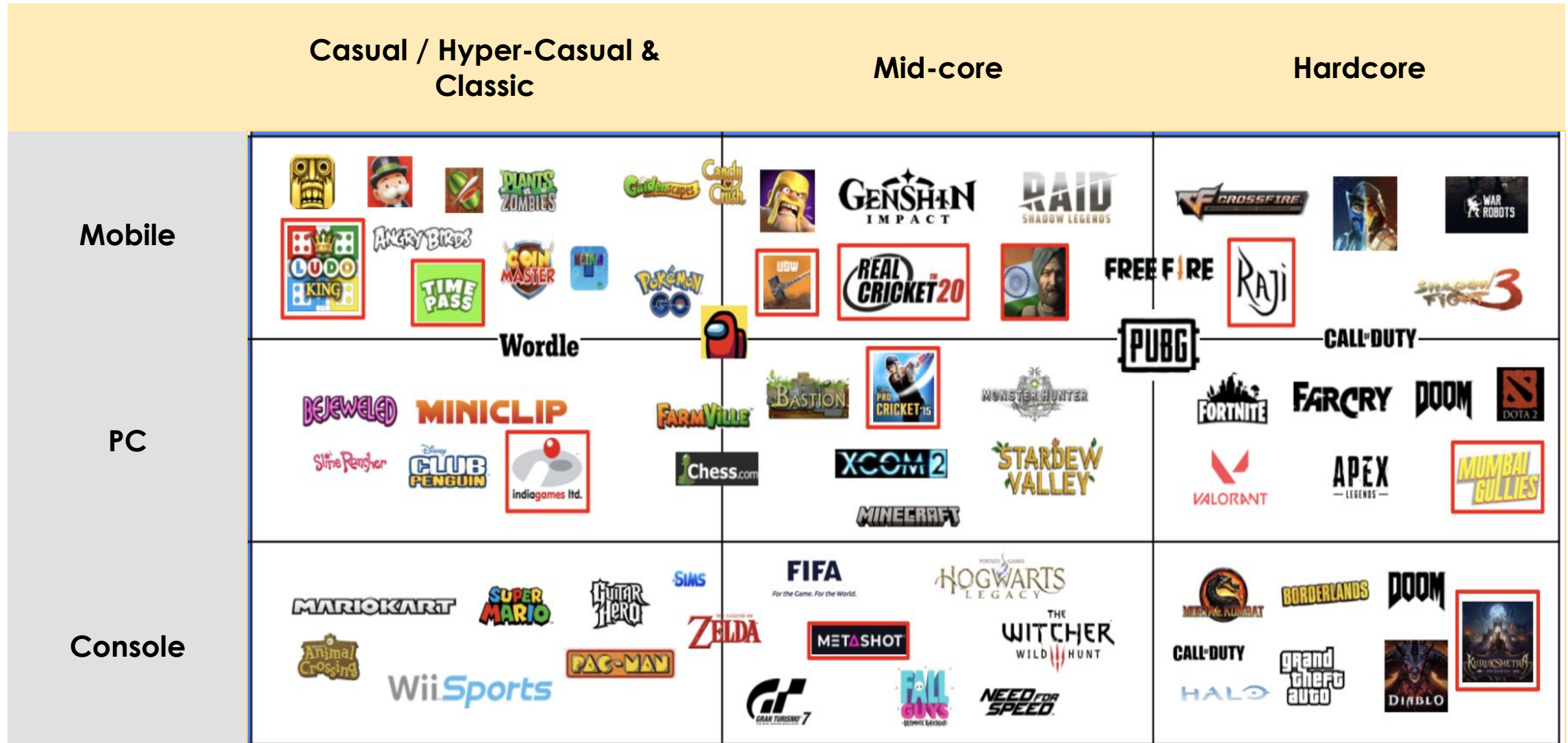
Introduction of new gaming genres

Game Genres			
Casual / Hyper-casual	Action	Adventure	Puzzle
Classic	Casino	Board	Word
Mid-core	Sport	Strategy	Racing
Hard-core	Multiplayer Battle	Shooting	Massively Multi Player

Positive Impact of Rise in Smartphone and Tablet Ownership



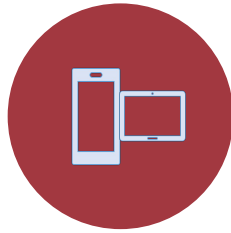
Comprehensive Gaming Ecosystem: User Types and Platform Preferences



Indian Games

Global Gaming Devices: A Breakdown of Mobile, PC, and Console Popularity

The Device Selection Depends on the Budget and Gaming Preferences of the User.



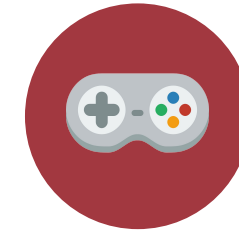
Mobile Gaming

- 3 Bn users
- Presents most lucrative revenue opportunities



PC Gaming

- 1.2 Bn users
- Leading way to cloud gaming



Console Gaming

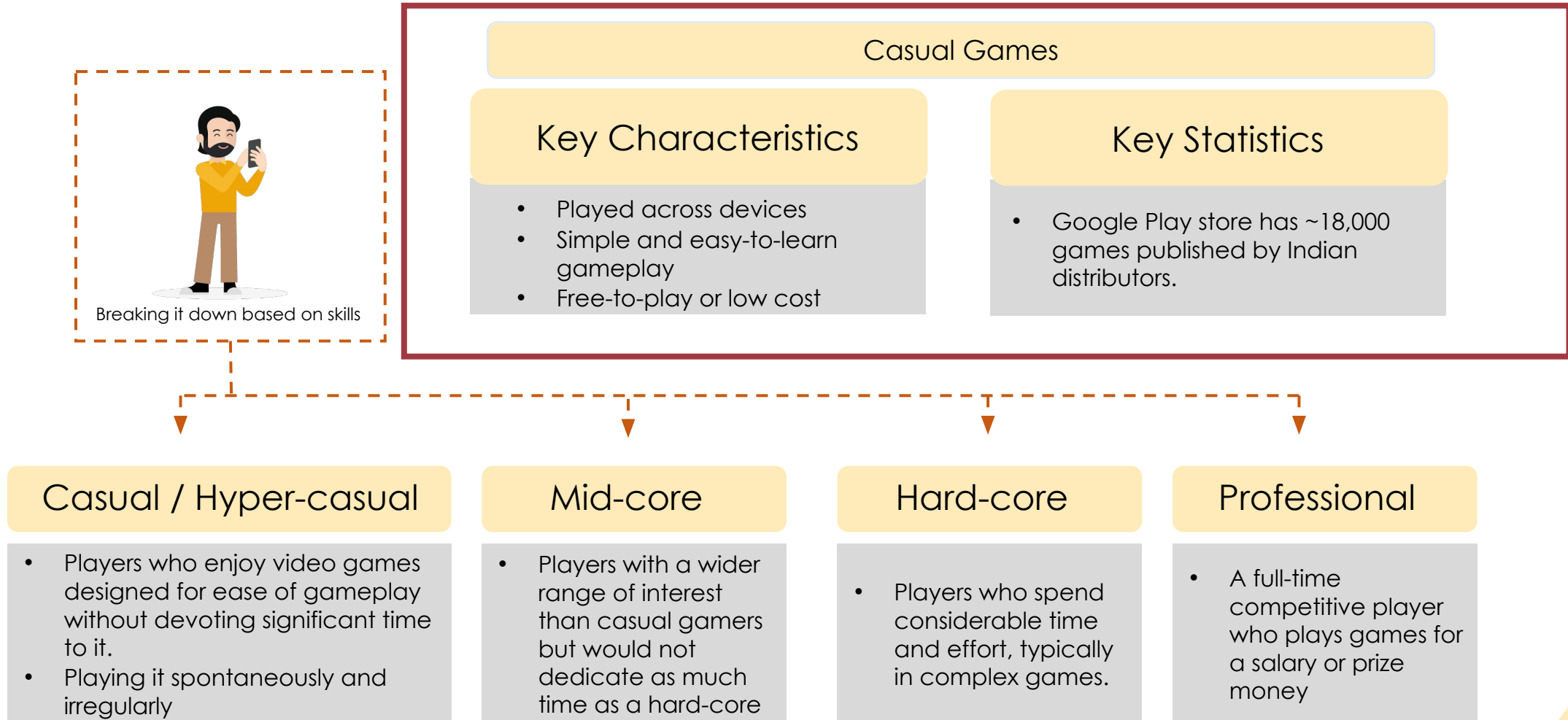
- 600 Mn+ users
- Acting as an enabler to other opportunities like e-sports, sports video, accessories

Generally dominated by casual gamers

Dominated by hardcore and midcore gamers

Mobile Gaming - Packed With Casual Gamers

India's mobile gaming industry is growing, with ~90%, of 450+ Mn users playing casual games



Rise of eSports

eSports is competitive video gaming where teams participate in organized tournaments for games like Call of Duty, Fortnite and a variety of game genres like real time strategy, first time shooters, battle royale etc

<h2>eSports</h2>	Game Developers & Publishers	Tournament Organizers	Games
	   	  	  
	Infra / Accessories	Teams	Streaming Platforms
	   	   	   

eSports represents the intersection of gaming and competitive sports, combining elements of both to create a unique and rapidly growing global industry.

India's Gaming Paradox: High Downloads, Low Monetization

Despite leading in global game downloads, India's monetization rates lag significantly, highlighting the untapped potential and the long journey ahead for Indian gaming companies

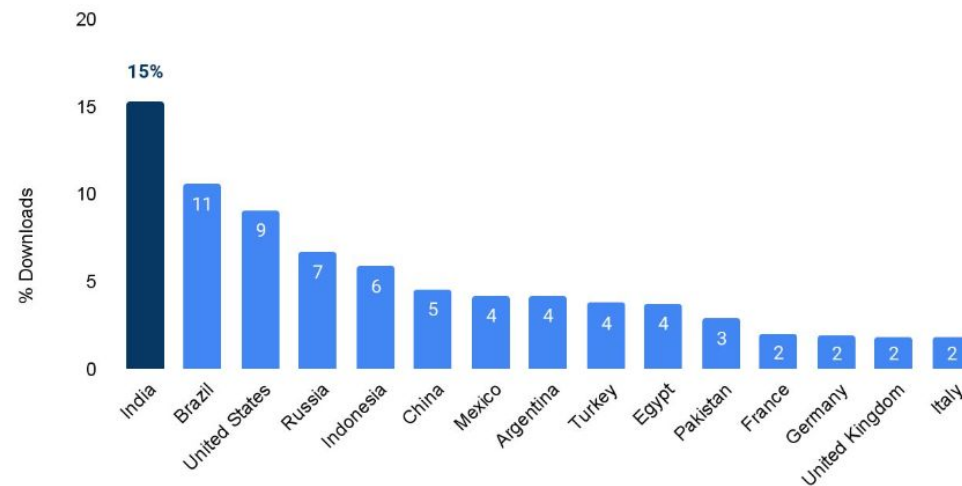
Downloads

India ranks #1 in the world in terms of gaming app downloads

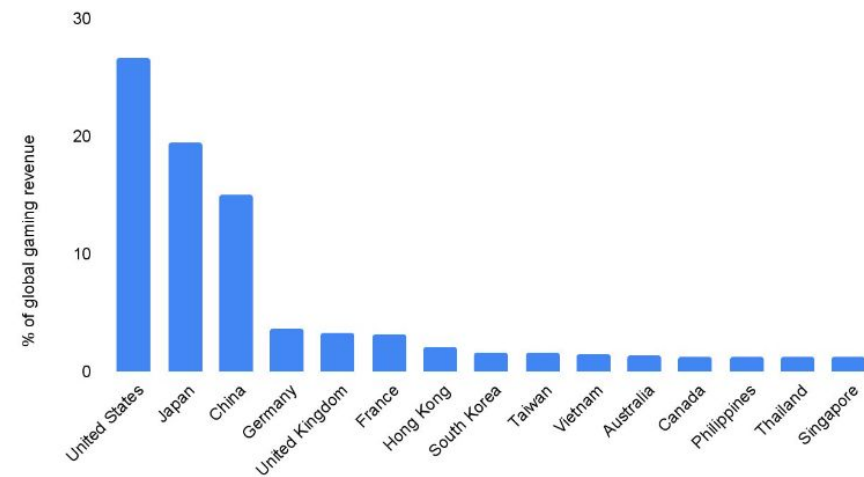
Payments

India does not rank in the Top 15, for gaming app revenues

Top 15 Countries by Gaming App Downloads, H1 2023



Top 15 Countries by Gaming App Revenues H1 2023



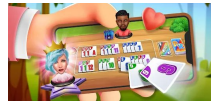
Free Fire, BGMI, CoinMaster, Clash of Clans are amongst the highest grossing apps in India generating \$150mn+ in revenue through In App Purchases (IAP). The success of these titles has shown that Indians will pay if the game is good.

Monetization majorly Led by Real Money Games

RMG Contributes ~82% of total revenue of the Gaming Sector in India

Beyond Casual
Gaming

Characteristics



Real Money Games (RMG) – Card and casual based

- Includes any type of game played online
- Real money is wagered on outcome of the game



Real Money Games (RMG) – Fantasy League

- Players make virtual teams online
- Monetary rewards from the overall prize pool based on points accrued



After huge success of RMGs, now traditional casual games and new categories are enabling sachet size betting, fading the line between casual games and RMG.

Gaming Companies across Sub-Segments are Focusing more on **Monetization**

Companies Are Typically Opting for **More Than 1** Monetization Model



Ad Revenues



Subscription



Commission



In-App
Purchases

The Indian market is heavily skewed towards revenue from the top 20 apps, with 90%⁽⁵⁾ of user-generated revenue coming from these applications.

Brands recognize the high engagement levels of gaming company TG, leading to significant ad revenue.







Despite being a small percentage, subscription revenue is becoming a promising revenue model for hyper-social games.

The emergence of real-money games has significantly increased the potential revenue from commission.

IAP are projected to grow at the highest rate at around 35% CAGR with the rise of paying users being across casual and core genres

How much do the Established Companies make

15+ Companies are generating **over a billion dollar in** revenues.

Players	Year of Establishment	Revenue 2023/2024 (in USD Bn)	HQ
	1993	27.5	Japan & US
	2003	24.0	China
	1974	13.4	Japan
	1997	15.5	US
	1974	9.8	China
	2008	8.5	US

..And They are only **Getting Larger**

Historically gaming sector has seen large consolidation, and it continues to see the same trend.

Microsoft Studios



Acquired in 2020
~ \$7.5 Bn All Cash Deal⁽⁷⁾



Acquired in 2022
~ \$68 Bn - All Cash Deal⁽⁸⁾



Acquired
in 2022
~ \$3.6 Bn⁽⁹⁾



Acquired in
2022 ⁽¹⁰⁾



Acquired in
2022⁽¹¹⁾



Acquired
in 2023*
* Tracxn



50+ Deals in 2021 ⁽¹²⁾

Over 20 Investments in Last 3
Years*

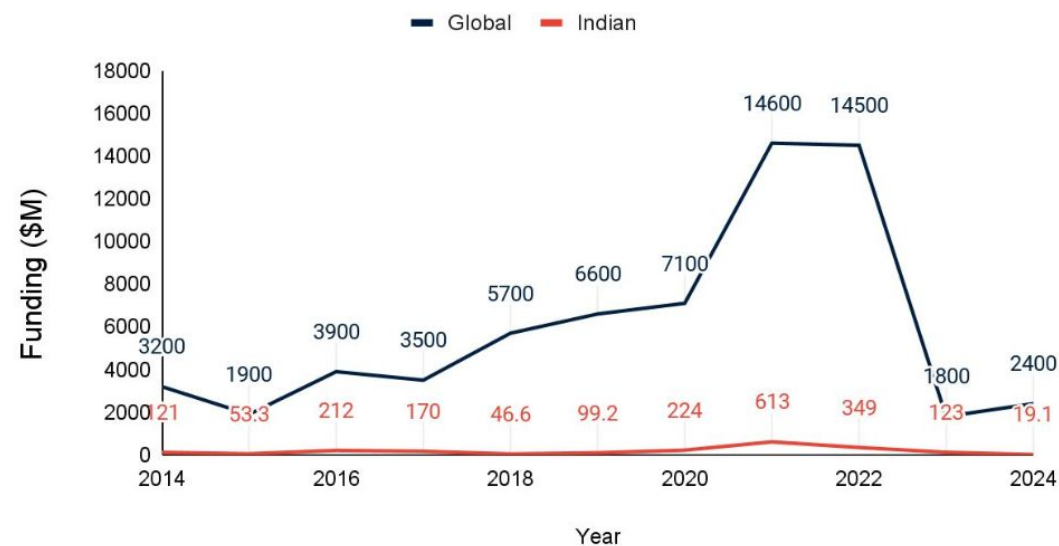
* Despite being under regulatory scanner

Investments in Indian Gaming Startups and Companies

India's Gaming Industry: High on Gamers, Low on Funding Love

India has the highest number of gamers globally yet Indian gaming startups attract <10% of global gaming funding.

Funding for Indian startups



Company	Total funding (\$M)
Dream Sports	> 1,400*
MPL	406
WinZo	147
Nazara	133
Zupee	122
Games24x7	107

Real money Games (RMG)

Note: 2024 data as on and until Apr'24

Source: Tracxn

*includes large secondary transactions (money that was transferred to shareholders and did not go in growing the business)

Recently Funded Indian Gaming Companies

Casual game has remained favorite pick for the Investors

	Casual Mobile Game			Studios	Blockchain	Real Money Gaming	eSports
							
Total Fundraise	\$8.5 Mn	\$5.25 Mn	\$3.91 Mn		\$1.54 Mn	\$396 Mn	\$3.91 Mn
Last Fundraise	\$8.5 Mn, Seed - Apr 24	\$5.25 Mn, Seed - Mar 24	\$2.2 Mn, Seed - Jun 23		\$1 Mn, Seed - Apr 24	\$2.6 Mn, Tranche of Series E - Aug 23	Undisclosed, Seed - Apr 24
							
Total Fundraise	\$1.5 Mn	\$700 K	\$2 Mn			\$1 Mn	\$50 Mn
Last Fundraise	\$1.5 Mn, Seed - Oct 23	\$1.5 Mn, Seed - Oct 23	\$2 Mn, Seed - Sep 23			Undisclosed, Angel - May 23	\$20.3 Mn, Series B - May 23
							
Streaming Content Community			\$38 Mn		\$84.9 Mn		\$1.1 Mn
			\$22 Mn, Series A - Sep 23		Acquired		Undisclosed, Angel - Dec 23

Where does the **Opportunity** lies Next?

The gaming industry is about to undergo significant transformations in the next 3-4 years

1

AR and VR in Gaming

Integration of AR and virtual reality solutions in mobile and wearable devices and people's craving for immersive gaming experiences propel this growth

2

Generative AI in Gaming

Generative AI revolutionizes gaming, enabling dynamic, responsive experiences with AI-generated content and characters that adapt to player actions in real-time

3

Competitive Multiplayer Mobile Gaming

Multiplayer mobile games, fueled by the esports phenomenon and titles like PUBG Mobile, are set to dominate the gaming landscape in 2024 and beyond

4

Blockchain-Based Gaming

Gaming could gain benefits from this technology in making in-game purchases safer

5

Studios

Studios innovate gaming experiences, driving advancements in graphics, gameplay, and storytelling, making them pivotal for the industry's growth through immersive content.

Who is Investing ?

Some of the Top Tier Funds Are Investing Across the Value Chain Collectively



Thank You

Basic Roots Consulting | teambrc@basicroots.in

Source & citation

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