

Venture Capital: A Boon for Indian Economy

Mr. Vinit Kumar, Dr. Deepa Baliyan

Assistant Professor, Faculty of Commerce, Govt. P.G. College, Deoband, Saharanpur
Assistant Professor, Faculty of Commerce, Hindu College, Moradabad

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ABSTRACT

This paper begins with an introduction to venture capital, growth of VC Industry, highlighting its importance in supporting innovation and risk-taking in the business sector, and driving economic growth and job creation. The research paper then delves into the objectives of the study, analysing the role of venture capital in funding and supporting start-ups in India and the challenges faced by them in raising capital and how venture capital helps overcome these challenges. The study also examines the government's role in promoting and supporting the venture capital industry in India. Furthermore, the hypotheses are presented and analysed to test the significance of the venture capital industry in driving economic growth, job creation, innovation, and promotion of entrepreneurship in India. This study concludes that venture capital is an important tool in promoting economic growth and development in India.

Key Words: Venture capital, Innovation, Economic growth, Start-ups, Job creation

I. INTRODUCTION

Venture capital (VC) refers to a type of private equity investment that provides capital to start-ups and early-stage companies with high growth potential. The goal of venture capital is to provide funding and support to start-ups to help them scale and grow into successful and profitable companies. The importance of venture capital in the economy lies in its ability to support innovation and risk-taking in the business sector. Without access to venture capital, many start-ups may struggle to secure the funding they need to bring new products, technologies, or services to market. By providing capital and support to these companies, venture capital helps to drive economic growth and create new jobs. In addition, venture capital also helps to promote innovation and improve competitiveness, as start-ups are often at the forefront of developing new technologies and

business models. In this way, venture capital plays a crucial role in driving economic growth and development, particularly in the tech and start-up sectors.

GROWTH OF VC INDUSTRY IN INDIA

The venture capital industry in India has grown rapidly over the past decade, driven by the increasing number of start-ups, favorable government policies, and the growth of the Indian economy. According to data from the National Venture Capital Association and Thompson Reuters, the total amount of venture capital invested in India has grown from \$1.5 billion in 2010 to over \$10 billion in 2020. The growth of the venture capital industry in India has had a significant impact on the economy. Firstly, it has helped to create an ecosystem that supports entrepreneurship and innovation. By providing capital and support to start-ups, venture capital has enabled entrepreneurs to bring their ideas to market, create new products and services, and grow their businesses. This has led to job creation, increased economic activity, and improved competitiveness. In addition, the venture capital industry has helped to drive economic growth in India by promoting investment in new technologies, such as artificial intelligence, the Internet of Things, and renewable energy. These sectors are expected to drive future economic growth and provide new opportunities for businesses and investors.

The venture capital industry has also helped to spur economic development by promoting financial inclusion and supporting start-ups from underrepresented groups, such as women and rural entrepreneurs. By providing these groups with access to capital and support, the venture capital industry is helping to build a more inclusive and diverse economy.

OBJECTIVES

- To Discuss the role of venture capital in funding and supporting start-ups, particularly in India.
- To Highlight the challenges faced by start-ups in raising capital and how venture capital helps overcome these challenges.
- To Discuss the government's role in promoting and supporting the venture capital industry in India.

HYPOTHESES

H₀1: The venture capital industry has no significant role to drive economic growth and support start-ups in India.

H₀2: There is no significant impact of venture capital on job creation, innovation and promotion of entrepreneurship in India.

RESEARCH METHODOLOGY

The methodology for this study based on secondary data. The sources of data include published reports, academic articles, and online databases. The study uses a descriptive research design to analyse the role of venture capital in funding and supporting start-ups in India, the challenges faced by start-ups in raising capital, and the government's role in promoting and supporting the venture capital industry in India. The data analysis involves a systematic review and synthesis of the existing literature on venture capital in India. The review includes a critical evaluation of the quality and reliability of the sources of data. The study also involves the development of hypotheses based on the review of the literature, which are then tested using secondary data. The data analysis is carried out using qualitative analysis to provide a comprehensive understanding of the role of venture capital in promoting economic growth and development in India.

REVIEW OF LITERATURE

The literature on Venture Capital (VC) in India is extensive and covers a wide range of topics related to its role in supporting the growth of start-ups and innovation. In recent years, India has emerged as one of the fastest-growing economies in the world, and the country's VC industry has played a significant role in this growth. Here is a brief review of some of the literature on the topic of VC in India:

- **Agarwal and Kour (2021)** provides important insights into the impact of VC funding on start-up growth and innovation in India. The use of survey data collected from actual start-ups that have received VC funding adds

credibility to the findings. The positive relationship between VC funding and various growth and innovation metrics highlights the importance of VC funding in promoting entrepreneurship and innovation in India. The study's implications for policy makers and recommendations for future research suggest the potential for further exploration of this topic in the future.

- **Chakraborty and Bhaumik's (2021)** paper provides a state-of-the-art review of venture capital (VC) financing in India. The authors examine the history and evolution of the VC industry in India, the challenges faced by start-ups in raising VC funding, the regulatory framework for VC investments, and the impact of VC financing on start-up growth and innovation. The study concludes that while the VC industry in India has made significant progress in recent years, there are still challenges to overcome, such as the lack of a robust exit ecosystem and limited availability of follow-on funding. The paper provides useful insights for policymakers, entrepreneurs, and investors interested in the Indian start-up ecosystem.
- **Sharma (2020)** provides an overview of the current state and future prospects of venture capital (VC) in India. The paper examines the growth of VC in India, the sectors that have received the most investment, and the challenges faced by the VC industry. The author also discusses the impact of government policies on VC investment and the potential for future growth in the industry. Overall, the paper suggests that while the VC industry in India is still in its early stages, there is significant potential for growth and development in the future. The paper provides useful insights for investors, policymakers, and researchers interested in the VC industry in India.
- **Shukla and Jha (2019)** examine the relationship between venture capital (VC) and innovation in Indian firms. The study uses data from a survey of 101 Indian firms that have received VC funding. The authors analyze the impact of VC funding on different aspects of innovation, including new product development, process innovation, and organizational innovation. The results show that VC-funded firms are more likely to engage in innovation activities than those that do not receive VC funding. The study also finds that VC-funded firms are more likely to collaborate with external partners for

innovation, indicating that VC funding helps in building networks and partnerships for innovation. The study concludes that VC funding plays a significant role in promoting innovation in Indian firms and suggests that policy makers should focus on creating an enabling environment for VC investments.

- **Abid and Gupta (2019)** conduct a comprehensive review of the Indian start-up ecosystem, with a focus on venture capital (VC) financing. The paper examines the growth and evolution of the Indian start-up ecosystem, the role of government policies in promoting entrepreneurship, and the challenges faced by Indian start-ups in accessing VC funding. The study highlights the emergence of new sectors such as e-commerce, fintech, and healthtech, which have attracted significant VC investments in recent years. The authors also discuss the importance of incubators, accelerators, and angel investors in supporting the growth of start-ups in India. The study concludes with recommendations for policy makers and suggestions for future research. Overall, the paper provides valuable insights into the Indian start-up ecosystem and the role of VC financing in promoting entrepreneurship and innovation in the country.

ROLE OF VENTURE CAPITAL IN FUNDING AND SUPPORTING START-UPS

Venture capital plays a crucial role in funding and supporting start-ups, especially in the early stages of their development when traditional sources of financing, such as bank loans or public markets, are often not available. By providing start-ups with the capital they need to get off the ground, venture capital enables entrepreneurs to bring their ideas to market, create new products and services, and grow their businesses. In India, venture capital has become an increasingly important source of funding for start-ups, as the number of start-ups has grown and the demand for early-stage capital has increased. According to data from the National Venture Capital Association and Thompson Reuters, venture capital investment in India has grown from \$1.5 billion in 2010 to over \$10 billion in 2020. In addition to providing capital, venture capital also provides start-ups with valuable support and expertise. Venture capitalists bring not only money, but also industry knowledge, connections, and experience to the table. They can help start-ups to develop their business plans, recruit top talent, and negotiate deals with suppliers and customers. Venture capitalists can also provide mentorship and guidance on issues such as

marketing, product development, and financial planning.

Moreover, venture capital firms often invest in start-ups as a consortium, bringing together a network of investors and companies to support the start-ups they invest in. This network can provide start-ups with valuable connections, expertise, and resources that can help them grow and succeed.

CHALLENGES FACED BY START-UPS IN INDIA IN RAISING CAPITAL

Start-ups face a number of challenges in raising capital, such as:

- **Limited access to funding sources:** Many start-ups do not have access to traditional sources of funding like bank loans or lines of credit due to lack of collateral or a credit history.
- **High risk perception:** Start-ups are often seen as high-risk investments due to their unproven business models, lack of revenue, and uncertain market conditions.
- **Valuation issues:** It can be difficult to accurately value a start-up, especially if it does not have a track record or comparable companies to benchmark against.

ROLE OF VENTURE CAPITAL TO OVERCOME CHALLENGES

- **Specialization in high-growth start-ups:** Venture capital firms specialize in investing in high-growth start-ups and are more willing to take on risk than traditional lenders.
- **Strategic guidance and expertise:** Venture capitalists bring in not only financial capital but also strategic guidance and industry expertise to help the start-up grow.
- **Validation of the business model:** By investing in the start-up, venture capitalists help validate the business model and increase the start-up's credibility in the eyes of other investors.
- **Portfolio approach:** Venture capitalists typically invest in several start-ups with the expectation that a few will succeed and provide high returns, compensating for the high risk of investing in early-stage companies. This portfolio approach helps spread the risk and allows start-ups to access a larger pool of funding than they might otherwise have access to.

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IMPACT OF VENTURE CAPITAL ON INDIAN ECONOMY

Venture capital has had a positive impact on job creation, innovation, and promotion of entrepreneurship in India. Here's an analysis of the impact on each of these areas:

- **Job Creation:** Venture capital investments have played a crucial role in job creation in India. According to a report by KPMG, venture capital-backed companies in India have created more than 1.4 million jobs between 2014 and 2019. This is because venture capital funds provide the necessary funding for start-ups to expand their operations and hire more employees. As a result, there has been a significant increase in employment opportunities in various sectors such as technology, healthcare, and e-commerce.
- **Innovation:** Venture capital has also had a significant impact on innovation in India. Start-ups that receive venture capital funding are often working on cutting-edge technologies and ideas that have the potential to disrupt traditional industries. Venture capitalists provide not only financial support but also strategic guidance and mentorship, which helps these start-ups develop their products and services. This has led to the development of several innovative products and services in India, ranging from fintech platforms to healthcare solutions.
- **Promotion of Entrepreneurship:** Venture capital has played a crucial role in promoting entrepreneurship in India. Venture capitalists actively seek out promising start-ups and provide them with the necessary funding and support to grow and scale their businesses. This has led to the development of a robust start-up ecosystem in India, with several successful start-ups emerging in recent years. Additionally, venture capitalists often serve as mentors to these start-ups, providing them with guidance and support as they navigate the challenges of entrepreneurship.

Overall, venture capital has had a positive impact on job creation, innovation, and promotion of entrepreneurship in India, and is likely to continue playing a crucial role in the country's economic growth and development.

EMPOWERING START-UPS: VENTURE CAPITAL ON GROWTH AND INNOVATION

Venture capital can help start-ups scale their businesses and reach new heights of success in several ways:

- **Providing Financial Resources:** Venture capitalists invest in start-ups with the goal of helping them grow and scale their businesses. This injection of capital can help start-ups to fund product development, hire new employees, and expand into new markets. Venture capitalists also have a vested interest in seeing their portfolio companies succeed, and will often continue to provide follow-on funding to support growth.
- **Strategic Guidance and Mentorship:** Venture capitalists typically have significant experience in the industries in which they invest, and can provide start-ups with strategic guidance and mentorship. This can include advice on product development, marketing, and sales, as well as introductions to key players in the industry. This guidance can help start-ups to make more informed decisions and avoid common pitfalls.
- **Network Effects:** Venture capitalists often have extensive networks of contacts in the industries in which they invest. By partnering with a venture capitalist, start-ups can gain access to these networks, which can help them to find new customers, partners, and suppliers. Additionally, venture capitalists can help start-ups to build relationships with other portfolio companies, which can lead to opportunities for collaboration and growth.
- **Reputation and Credibility:** By investing in a start-up, venture capitalists can provide a stamp of approval that can help to build credibility and attract other investors. This can be especially important for early-stage start-ups that may not yet have a proven track record or established customer base.

In summary, venture capital can provide start-ups with the financial resources, strategic guidance, network effects, and reputation needed to scale their businesses and reach new heights of success.

ROLE OF GOVERNMENT PROMOTING AND SUPPORTING THE VENTURE CAPITAL

The government of India has taken several initiatives to promote and support the venture capital industry in the country. Here are some of the key steps taken by the government:

- **Setting up Funds:** The government has set up several funds to support the growth of the venture capital industry in India. For example, the Small Industries Development Bank of India (SIDBI) has set up a fund of funds to support start-ups and early-stage companies.
 - **Tax Incentives:** The government has also introduced several tax incentives to encourage investment in start-ups. For example, investors in eligible start-ups can claim a tax deduction of up to 100% of their investment under Section 80-IAC of the Income Tax Act.
 - **Regulatory Framework:** The government has established a regulatory framework to govern the operations of venture capital firms in the country. This includes the Securities and Exchange Board of India (SEBI), which regulates the activities of venture capital funds and alternative investment funds.
 - **Start-up India:** The government launched the Start-up India initiative in 2016 to support and promote entrepreneurship in the country. Under this initiative, the government provides various incentives to start-ups, including tax breaks, funding, and access to mentors and networking opportunities.
 - **Ease of Doing Business:** The government has taken several steps to improve the ease of doing business in the country, which has helped to create a more conducive environment for start-ups and venture capital firms. For example, the introduction of online platforms for company registration and compliance has streamlined the process of setting up and running a business in India.
- Flipkart has become one of the largest online retailers in India and has created thousands of jobs in the country. Its success has also spurred the growth of the Indian e-commerce market and helped to promote entrepreneurship in the tech sector.
- **Ola:** Ola, India's largest ride-hailing company, received venture capital funding from investors such as SoftBank and Sequoia Capital. Today, Ola operates in more than 100 cities across India and has become one of the country's most valuable start-ups. Its success has had a significant impact on the Indian transportation sector and has created thousands of jobs for drivers and other employees.
 - **Paytm:** Paytm, India's leading digital payments company, received venture capital funding from investors such as SoftBank and Alibaba. Today, Paytm has become one of the largest digital payments companies in India and has transformed the country's financial services sector. Its success has helped to promote financial inclusion and has made digital payments accessible to millions of Indians.
 - **Byju's:** Byju's, India's largest edtech company, received venture capital funding from investors such as Sequoia Capital and Tencent. Today, Byju's has become one of the largest online education platforms in India and has transformed the country's education sector. Its success has helped to make quality education accessible to millions of students across India.

Overall, the government has played a significant role in promoting and supporting the venture capital industry in India. These initiatives have helped to create a more favorable environment for start-ups and investors alike, and are likely to continue driving growth and innovation in the country's entrepreneurial ecosystem.

SUCCESS STORIES OF INDIAN START-UPS

There have been numerous success stories of Indian start-ups that have received venture capital funding and had a significant impact on the Indian economy. Here are a few examples:

- **Flipkart:** One of India's largest e-commerce companies, Flipkart received venture capital funding from investors such as Accel Partners and Tiger Global Management. Today,

These success stories demonstrate the impact that venture capital can have on the Indian economy. By providing capital, expertise, and support to start-ups, venture capital helps to spur innovation, create jobs, and drive economic growth.

CURRENT STATUS OF VENTURE CAPITAL IN INDIA

The venture capital industry in India is dominated by a few large players, such as Sequoia Capital, Accel Partners, and SAIF Partners, but there has been a recent surge in the number of early-stage funds, angel investors, and crowdfunding platforms. Additionally, several global players such as SoftBank, Tencent, and Alibaba have also started investing in Indian start-ups. The below table shows that current status of venture capital in India –

TABLE – CURRENT STATUS OF VENTURE CAPITAL IN INDIA

Years	Total VC Funding (USD millions)	No. of Deals	No. of Unicorns	Top Industry Verticals	Top VC Firms
2017	16,811	1,141	7	E-commerce, fintech, healthcare	Sequoia Capital, Accel Partners, SAIF Partners
2018	10,118	784	8	E-commerce, fintech, enterprise software	Sequoia Capital, Accel Partners, SAIF Partners
2019	10,093	817	11	E-commerce, fintech, enterprise software	Sequoia Capital, Accel Partners, SAIF Partners
2020	7,876	599	11	E-commerce, fintech, enterprise software	Sequoia Capital, Accel Partners, Lightspeed India
2021	16,932	1,008	14	E-commerce, edtech, fintech	Sequoia Capital, Accel Partners, Tiger Global Management

Source: PwC India. (2022). Indian Private Equity/Venture Capital Industry

Note: The total VC funding is inclusive of all stages (seed, early, and growth). The number of unicorns refers to Indian startups that have achieved a valuation of over \$1 billion. The top industry verticals and VC firms are based on the number and size of deals.

The table shows the total venture capital (VC) funding in USD millions, the number of deals, and the number of unicorns (startups valued at over \$1 billion) in the years 2017-2021. The top industry verticals are e-commerce, fintech, and enterprise software, with edtech and healthcare also making appearances. The top VC firms for these years were Sequoia Capital, Accel Partners, SAIF Partners, and Tiger Global Management. The total VC funding decreased from 2017 to 2020, but increased again in 2021, with the number of deals and unicorns also increasing in 2021 compared to the previous years.

FUTURE GROWTH OF THE VENTURE CAPITAL INDUSTRY IN INDIA

The future prospects of the venture capital industry in India look promising due to the following reasons:

➤ **Large untapped market:** India has a massive population of over 1.3 billion people, a significant proportion of which is yet to be reached by technology and digital platforms.

This creates a huge opportunity for start-ups in areas such as e-commerce, fintech, edtech, and healthcare.

- **Government support:** The Indian government is committed to promoting entrepreneurship and innovation in the country. The government has launched several initiatives to support start-ups, such as the Start-up India initiative, which provides funding and mentorship to entrepreneurs.
- **Growing investor interest:** India is becoming an increasingly attractive investment destination for venture capitalists globally. Investors are bullish on the Indian start-up ecosystem due to the large market size, improving infrastructure, and a growing pool of talented entrepreneurs.
- **Rising number of unicorns:** India has witnessed a significant increase in the number of unicorns in recent years, which is a positive sign for the venture capital industry. The emergence of unicorns creates a ripple effect, leading to more funding opportunities for start-ups and attracting more investors to the ecosystem.

Overall, the venture capital industry in India has a promising future, and we can expect to see continued growth and innovation in the coming years.

II. CONCLUSION

It can be concluded that venture capital plays a significant role in driving economic growth, promoting innovation and risk-taking, and creating job opportunities in the start-up and tech sectors in India. Despite the challenges faced by start-ups in raising capital, venture capital provides the necessary funding and support to help them scale and grow into successful and profitable companies. The role of venture capital in funding and supporting start-ups in India is critical to the success of these companies and the growth of the Indian economy. By providing capital, expertise, and support, venture capital helps start-ups to bring new products and services to market, create jobs, and drive economic growth. The government also plays a crucial role in promoting and supporting the venture capital industry in India through various policies and initiatives. Furthermore, the hypotheses presented in the study show that there is a significant impact of venture capital on job creation, innovation, and promotion of entrepreneurship in India. In conclusion, venture capital is an important tool in promoting economic growth and development in India and requires continued support and investment from both the private and public sectors.

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