

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 4, Issue 1, August 2024

Comparative Analysis of Unit Linked Insurance Plans (ULIPs): Evaluating Performance and Market Potential

Ms. Gandeed Madhavi¹, Mr. R. Ramakrishna², Dr. Chokkamreddy Prakash³

Student, School of Management Studies, Guru Nanak Institutions Technical Campus, Hyderabad¹ Assistant Professor, School of Management Studies, Guru Nanak Institutions Technical Campus, Hyderabad^{2,3}

Abstract: Unit Linked Insurance Plans (ULIPs) combine life insurance coverage with investment opportunities, allowing policyholders to allocate their premiums into various market-linked funds. This study aims to provide a comprehensive evaluation of ULIPs offered by ICICI Prudential Life Insurance in comparison to those offered by other major Indian insurance companies. The research will focus on assessing differences between the Net Asset Value (NAV) of equity-based ULIP funds and the BSE SENSEX, comparing the offerings of ICICI Prudential Life Insurance with those of private insurers and the Life Insurance Corporation of India (LIC), and exploring the growth potential of the Indian life insurance market. Utilizing data from insurance company websites, annual reports, and regulatory bodies, as well as primary data through structured interviews, the study will apply quantitative methods to analyze performance metrics, cost structures, and market positioning. The research aims to highlight key performance indicators, evaluate cost efficiency, and examine regulatory compliance, providing valuable insights for investors and stakeholders in the Indian life insurance sector.

Keywords: Unit Linked Insurance Plans, Net Asset Value, Life Insurance, Indian insurance market, equity-based funds, insurance performance, market potential, financial analysis.

I. INTRODUCTION

Unit Linked Insurance Plans (ULIPs) are hybrid financial products that combine life insurance with investment opportunities. A ULIP allows policyholders to invest their premiums in a range of market-linked funds, such as equity, debt, or balanced funds, while a portion is allocated towards providing life insurance coverage. Unlike traditional insurance policies, the returns on ULIPs are not guaranteed, but they can potentially offer higher returns due to market performance.

Organization:

- Payment of Premium: ULIPs offer flexibility in premium payments:
- **Single Premium:** A one-time upfront payment to start the policy.
- Regular Premium: Recurring payments can be made monthly, quarterly, semi-annually, or annually.

Switching and Redirection:

- Switching: Policyholders can transfer investments between different funds based on market conditions or personal preferences.
- Redirection: Future premiums can be invested in different funds without affecting existing investments.

- Top-Up Premiums: Additional contributions can be made to increase the investment corpus.
- Partial Withdrawals: Allowed after a lock-in period (usually five years) under certain conditions.
- Maturity and Death Benefits: At maturity, the policyholder receives the fund value or total premiums paid, while the death benefit provides coverage to beneficiaries in case of the policyholder's death.





International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.53 Volume 4, Issue 1, August 2024

Historical Context:

ULIPs began as investment products with minimal insurance coverage in the 1970s. The market evolved significantly post-liberalization in the 2000s, with the introduction of diverse fund options and improved customer service. Regulatory reforms starting in 2010 addressed issues of high fees and misrepresentation.

Current Landscape:

Today, ULIPs are integral to long-term financial planning, offering a combination of insurance and investment benefits. They are popular for their dual advantages—investment growth and insurance protection. Despite their evolution, ULIPs remain complex financial products, requiring careful consideration of their terms and market risks.

II. REVIEW OF LITERATURE

Kumari (2013): This study examined the performance of the Indian life insurance market post-liberalization, focusing on metrics such as office count, market share, and premium revenue. It found significant improvements in market performance and recommended enhanced service efficiency for continued growth. The study highlighted that increased net premiums and liquidity positively impacted insurers' profitability.

Nikolina Smazla (2014): Using the CARAMEL model, this research assessed the financial health of twenty-four Croatian insurance companies. It found unfavorable liquidity indicators and recommended improved capital levels and liquidity metrics for better financial stability.

Ansari, Valeed A., and W. Fola (2014): This quantitative analysis of seven Indian life insurance companies from 2008 to 2012 revealed differences in capital sufficiency, asset quality, management effectiveness, and profitability between government and private insurers, highlighting varied financial stability and performance.

Kalpana Naidu and C. Paramasivan (2015): The study analyzed five life insurance companies, finding that private insurers, with increasing unit-linked plan sales, outperformed LIC in terms of capital adequacy and claim handling. It emphasized that security should be a primary consideration when selecting insurance plans.

Sumbul Fatima and Anoop Kumar Singh (2017): This study evaluated ICICI Prudential Life Insurance using metrics like net premiums and branch count, employing the CARAMEL model. It noted that while the capital base had not matched asset growth, overall performance remained robust.

A. Bhattacharyya and T. K. Barman (2018): The research compared the profitability of public and private life insurance companies in India from 2012 to 2016. It found that private sector companies exhibited higher profitability ratios compared to their public sector counterparts.

Singh, S., and Singh, S. (2019): This study analyzed the financial performance of public and private life insurance companies in India based on profitability metrics like return on equity (ROE) and return on assets (ROA). It discovered that private sector companies outperformed public sector ones.

Rathi, S., and Jatav, S. (2020): The review of secondary ratio data found no significant differences between selected firms' ratios, with New India Insurance performing better in seven analytical ratios. It emphasized the importance of capital adequacy and liquidity in evaluating financial health and short-term debt repayment capacity.

Objectives of the Study

- To assess the differences between the Net Asset Value (NAV) and the BSE SENSEX of equity-based ULIP funds provided by Indian insurance companies.
- To compare ULIPs offered by Indian Life Insurance Corporation with those from private insurers.
- To explore the market potential for life insurance in India.

Need for the Study

The Indian life insurance market is expected to triple by 2030, and the Indian economy is projected to become the world's third-largest. This growth will likely drive an increase in equity market participation, as many ULIPs are equity-based. Understanding the correlation between BSE SENSEX changes and ULIP NAVs can help investors manage risk.

DOI: 10.48175/IJARSCT-19346

Copyright to IJARSCT www.ijarsct.co.in

356



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.53

Volume 4, Issue 1, August 2024

A detailed analysis is needed to evaluate private life insurance companies and ULIPs, with a focus on ICICI Prudential Life Insurance. ULIPs combine insurance with market-linked returns, making their performance, fund management, fee structures, and financial stability crucial metrics. Evaluating ICICI Prudential's ULIPs will involve examining historical performance, comparing with benchmarks, and assessing how fees affect returns.

III. RESEARCH METHODOLOGY

The study will use data from insurance company websites, annual reports, journals, magazines, newspapers, and IRDAI reports. Nine insurance companies, including one public and eight private, representing 85.9% of the 2020 first-year premium share, will be analyzed. Quantitative data will be assessed using statistical methods such as mean, standard deviation, coefficient of variation, and t-tests.

A mixed-method approach will be employed, starting with a literature review to frame theoretical understanding. Data collection will include financial reports and performance indicators from insurers, supplemented by interviews with policyholders, financial advisers, and industry experts. Quantitative analysis will cover performance metrics like returns, expense ratios, and claims settlement ratios, with a comparative analysis against benchmarks.

Scope of the Study

The study will comprehensively evaluate ICICI Prudential's ULIP funds by analyzing their historical performance against benchmarks and similar funds offered by other insurers. This will provide insights into how well these funds perform in comparison to industry standards. Additionally, the research will review the cost structures of ULIP plans, comparing ICICI Prudential's pricing with that of its competitors to assess cost efficiency and value for money. The features and flexibility of the ULIPs will be scrutinized, including the options for fund switching, partial withdrawals, and top-up contributions, to determine how well these plans meet investor needs. The study will also assess client support and technology integration by examining customer service quality, claim resolution processes, and the effectiveness of digital platforms used for policy management. Lastly, adherence to IRDAI regulations will be examined, with a focus on transparency and consumer protection, ensuring that ICICI Prudential's ULIPs comply with industry standards and safeguard policyholders' interests.

IV. DATA ANALYSIS AND COLLECTION

Data will be gathered from both primary and secondary sources. Secondary data includes previously collected information from books, journals, and online sources. Primary data will be collected through structured interviews and questionnaires. Sampling will focus on employees from Hyderabad-based firms. Analysis will use pie charts, bar graphs, and percentage analysis to present findings.

DATA ANALYSIS AND INTERPRETATION

Table 1: The respective Life Insurance Company's NAV value at the conclusion of each month

Month & Year	NSE SENSEX	LIC	ICICI Prudential	Max Life	TATA	HDFC	SBI	Aditya	BAJAJ	PNB Met
Dec,2019	41,253.74	22.48	24.87	30.98	73.03	15.48	26.23	28.84	34.44	0
Jan, 2020	40,723.49	19.48	25.02	32.3	72.07	15.44	23.36	26.69	34.25	0
Feb, 2020	38,297.29	21.04	22.9	31.07	67.87	15.19	26.48	27.94	32.64	0
Mar, 2020	29,468.49	19.06	16.14	23.86	52.47	11.38	26.59	23	26.14	0
Apr-20	33,717.62	20.35	19.05	26.63	59.29	12.91	26.8	26.04	29.56	0
May, 20	32,424.10	21.28	20.51	26.05	57.68	12.63	26.89	26.36	28.75	0
June, 20	34,915.80	21.66	21.25	27.86	61.84	13.57	27	27.97	30.53	0
July,20	37,606.89	22.51	22.28	30.62	66	14.5	27.09	29.94	32.81	0

Copyright to IJARSCT www.ijarsct.co.in



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.53

Volume 4, Issue 1, August 2024

	•	•		•				•		1
Aug, 2020	38,628.29	22.76	22.85	32.81	68.5	14.92	27.18	31	33.82	0
Sept,2020	38,067.93	22.05	23.14	33.4	67.45	14.72	27.26	31.91	33.55	0
Oct, 2020	39,614.07	21.95	23.88	33.31	70.23	15.28	27.35	31.45	34.82	0
Nov, 2020	44,149.72	24.11	26.8	37.09	78.27	17.09	27.42	33.68	38.33	10
Dec, 2020	47,751.33	25.55	29.01	39.24	84.37	18.4	27.51	35.49	40.88	10.01
Jan, 2021	46,285.77	25.95	28.03	40.02	82.76	18.13	27.59	35.04	40.01	9.84
Feb, 2021	49,099.99	26.87	30.25	43.87	89.31	19.75	27.66	37.18	42.81	10.21
Mar, 2021	49,509.15	27.26	30.2	45.83	90.21	19.31	27.74	38.02	42.95	10.29
Apr, 2021	48,782.36	27.14	29.76	45.97	90.06	19.21	27.81	37.79	42.8	10.25
May, 2021	51,937.44	28.71	31.85	48.72	96.1	20.13	27.88	40.74	45.33	10.73
June, 2021	52,482.71	28.83	32.4	51.59	98.17	20.84	27.95	42.78	45.82	10.8
July, 2021	52,586.84	29.73	33.2	54.48	99.14	20.89	28.03	45.05	46.51	10.85
Aug, 2021	57,552.39	30.55	34.85	55.92	106.08	23.41	28.1	46.33	49.82	11.31
Sep, 2021	59,126.36	32.19	35.95	58.91	108.29	23.41	28.18	47.9	50.79	11.53
Oct, 2021	59,306.93	32.37	35.94	58.75	110.04	23.37	28.25	47.56	51.28	11.59
Nov, 2021	57,064.87	31.18	35.26	57.38	105.55	22.29	28.33	47.07	49.1	11.43
Dec, 2021	58,253.82	31.58	35.37	58.32	108.15	22.73	28.41	48.8	50.58	11.57
Jan, 2022	58,014.17	31.71	34.04	57.35	108.8	22.74	28.49	47.4	50.53	11.62
Feb, 2022	56,247.28	31.78	35.51	54.21	105.13	22.1	28.57	44.8	49.02	11.38
Mar, 2022	58,568.51	33.37	34.77	56.76	107.94	22.84	28.65	46.75	50.74	11.64
Apr, 2022	57,060.8	33.35	34.15	55.75	105.3	22.3	28.73	46.76	49.41	11.52
May, 22	55,566.41	32.26	32.64	52.59	101.76	21.87	28.83	44.11	48.26	11.31
June, 22	53,018.94	30.66	35.83	50	96.35	20.94	28.93	42.78	46.21	11.05
July, 2022	57,570.25	33.51	36.69	55.09	105.48	22.72	29.04	46.87	50.09	11.61
Aug, 2022	59,537.07	33.97	35.61	57.78	109.33	23.32	29.17	48.27	52	11.95
Sep,2022	57,426.92	33.36	37.86	56.91	105.85	22.48	29.29	47.69	50.12	11.71
Oct, 2022	60,746.59	34.44	39.15	58.56	111.55	24.12	29.42	49.11	52.72	12.06
Nov, 2022	63,099.65	36.01	39.38	59.07	116.24	24.7	29.56	49.73	54.54	12.35
Dec. 2022	61,337.81	35.74	39.8	59.49	114.62	24.86	29.63	49.4	53.74	12.28
							•		•	

INTERPRETATION

The performance of a few chosen life insurance firms is shown with the NSE SENSEX index from December 2019 to December 2022. A good growth trajectory is continuously demonstrated by ICICI Prudential Life Insurance, indicating a stable increase in market value even in the face of market turbulence. Other large insurers, such as Max, HDFC, and SBI, have had similar increases, indicating strong investor confidence in their individual products and market participation. Their success is in line with more general market indexes such as NSE SENSEX, which highlights their

DOI: 10.48175/IJARSCT-19346

Copyright to IJARSCT www.ijarsct.co.in

2581-9429 358



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.53

Volume 4, Issue 1, August 2024

investing strategies and durability. These patterns demonstrate ICICI Prudential's skill in successfully navigating market dynamics, which helps to explain its competitive positioning in the insurance industry.

Table 2: Return on Investments

	Return for the	Return for the	Return for the	Absolute
Name of Company	Year 2020 in	Year 2021 in	Year 2022 in	return on
	percentage	percentage	percentage	investment
BSE Sensex	7.02	29.25	3.56	48.44
Life Insurance Corp	0.32	38.7	60.18	15.14
Prudential Life Insurance Company	7.76	41.78	58.34	9.68
Ltd., ICICI	7.70	41.76	36.34	9.06
Max Life Insurance	19.72	85.21	90.67	16.83
TATA AIA Life Insurance	7.18	44.53	59.17	6.71
HDFC Life Insurance Co.	10.4	44	59.56	8.91
SBI Life Insurance Company	4.54	8	12.7	11.03
Aditya Birla Life Insurance	16.78	63.21	72.43	12.1
Bajaj Allianz Life Insurance	11.3	42.57	58.36	13.3
PNB Met Life Insurance	0.1	14.3	23.5	3.8

INTERPRETATION

The returns data from 2020 to 2022 illustrates how the top life insurance providers have performed differently from the BSE Sensex index. With returns of 7.76% in 2020 and significant gains of 41.78% in 2021 and 58.34% in 2022, ICICI Prudential Life Insurance showed steady development. This tendency is indicative of smart investing techniques and flexibility in the market. Both Max Life Insurance and HDFC Life Insurance saw remarkable development in the years that followed, with respective returns of 19.72% and 10.4% in 2020. These numbers support their status as top performers in the cutthroat life insurance industry by highlighting their tenacity and aptitude for seizing commercial chances.

Table 3: Correlation between BSE SENSEX and Life Insurance Corporation

		SENSEX	Life Insurance
SENSEX	Pearson correlation	1	0.9726***
	SIG. (2 Tailed)		0.001
	N	36	36
Life Insurance Corp.	Pearson Correlation	0.9726**	1
	SIG. (2 Tailed)	0.001	
	N	36	36

INTERPRETATION

A significant positive linear link between the SENSEX and Life Insurance Corp. throughout the studied period is indicated by the Pearson correlation value of 0.9726** between these two variables. This robust correlation suggests that changes in Life Insurance Corp.'s performance closely follow those in the SENSEX. It suggests that the manner in which Life Insurance Corp. is influenced by the way in which the stock market (SENSEX), and that this suggests that market circumstances have a big impact on the company's financial health and investment results. The performance of the insurance industry is closely linked to more general economic developments, as this correlation highlights.

Table 4: shows the correlation between ICICI Company: Prudential Life Insurance Company Ltd. and the BSE SENSEX.

		SENSEX	Life Insurance
SENSEX	Pearson correlation	1	0.9859**
	SIG. (2 Tailed)		0.001
	N	36	36
Life Insurance Corp.	Pearson Correlation	0.9859**	1 SEE ARCH IN SCHOOL

Copyright to IJARSCT www.ijarsct.co.in



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.53

Volume 4, Issue 1, August 2024

	SIG.(2 Tailed)	0.001	
	N	36	36

INTERPRETATION

The SENSEX and Life Insurance Corp. have an extraordinarily strong and positive linear association during the studied time, as indicated by the Pearson correlation value of 0.9859** between these two variables. This robust correlation suggests that changes in Life Insurance Corp.'s performance closely correspond with changes in the SENSEX. The aforementioned correlation indicates that fluctuations in the stock market (SENSEX) have an equivalent effect on Life Insurance Corp.'s returns or performance. This underscores the noteworthy impact of market dynamics on the financial results of the firm. The strong link highlights the interdependence of financial markets and the insurance industry, highlighting the influence of wider economic patterns on the performance of insurance companies.

Table 5: shows the correlation between Max Life Insurance Company Ltd. and the BSE SENSEX.

		SENSEX	Life Insurance
SENSEX	Pearson correlation	1	0.9876**
	SIG. (2 Tailed)		0.001
	N	36	36
Life Insurance Corp.	Pearson Correlation	0.9876**	1
	SIG. (2 Tailed)	0.001	
	N	36	36

INTERPRETATION

Over the course of the analysis period, there was an extraordinarily strong and a favourable linear correlation between the SENSEX and Life Insurance Corp., as indicated by the Pearson correlation value of 0.9876** between these two variables. Given the strong correlation, it appears that fluctuations in the SENSEX closely reflect variations in Life Insurance Corp.'s performance. The performance or returns of Life Insurance Corp. are impacted in proportion to changes in the stock market (SENSEX). This connection shows how closely Life Insurance Corp.'s financial health is tied to the success of the stock market as a whole, underscoring the insurance industry's susceptibility to general market swings and broader economic conditions.

Table 6 shows the correlation between TATA AIA Life Insurance Company Ltd. and the BSE SENSEX.

		SENSEX	Life Insurance
SENSEX	Pearson correlation	1	0.9984**
	SIG. (2 Tailed)		0.001
	N	36	36
Life Insurance Corp.	Pearson Correlation	0.9984**	1
	SIG. (2 Tailed)	0.001	
	N	36	36

INTERPRETATION

A very strong and nearly perfect positive linear link between the SENSEX and Life Insurance Corp. was found during the course of the analysis, as indicated by the Pearson correlation coefficient of 0.9984** between these two variables. This remarkably strong correlation implies that fluctuations in the SENSEX closely and accurately reflect variations in Life Insurance Corp.'s performance. The returns or performance of Life Insurance Corp. are nearly equally impacted by changes in the stock market (SENSEX). This connection shows how tightly the financial results of Life Insurance Corp. are tied to general market movements, underscoring the insurance industry's profound dependency on larger economic trends and stock market swings.

Table 7: BSE and HDFC Life Insurance Company Correlation

		SENSEX	Life Insurance
SENSEX	Pearson correlation	1	0.9977**
	SIG. (2 Tailed)		0.001 _{ISSN}

Copyright to IJARSCT www.ijarsct.co.in

DOI: 10.48175/IJARSCT-19346

2581-9429



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.53

Volume 4, Issue 1, August 2024

	N	36	36	
Life Insurance Corp.	Pearson Correlation	0.9977**	1	
	SIG. (2 Tailed)	0.001		
	N	36	36	

INTERPRETATION

A very strong and almost perfect positive linear link between the SENSEX and Life Insurance Corp was found during the course of the analysis, as indicated by the Pearson correlation coefficient of 0.9977** between these variables. This robust relationship implies that fluctuations in the SENSEX closely and correctly reflect variations in Life Insurance Corp.'s performance. The returns or performance of Life Insurance Corp. are impacted in a proportional and very similar way by modifications to the stock market (SENSEX). The strong relationship between the financial results of Life Insurance Corp. and general market developments highlights the insurance industry's susceptibility to changes in the stock market and broader economic conditions.

Table 8: BSE Sensex and NAV of SBI Life's Smart ULIP Plan Fund Correlation

		SENSEX	Life Insurance
SENSEX	Pearson correlation	1	0.7780**
	SIG. (2 Tailed)		0.007
	N	36	36
Life Insurance Corp.	Pearson Correlation	0.7780**	1
	SIG. (2 Tailed)	0.001	
	N	36	36

INTERPRETATION

There is a strong, positive linear correlation between the SENSEX and Life Insurance Corp. throughout the studied period is indicated by the Pearson correlation value of 0.7780** between these variables. Although this correlation is not as strong as the ones described previously, it nevertheless shows a strong relationship between changes in the performance of Life Insurance Corp. and movements in the SENSEX. The correlation coefficient of 0.7780 indicates that there is a significant, albeit imperfect, relationship between the performance and returns of Life Insurance Corp. and the changes in the stock market (SENSEX). This correlation shows how market changes may impact the performance of insurance companies and emphasizes the impact of overall economic conditions on the insurance industry.

Table 9: Aditya Birla Life's Pure Equity Fund and BSE Correlation

		Sensex	Life Insurance
Sensex	Pearson correlation	1	0.9825**
	Sig. (2 Tailed)		0.001
	N	36	36
Life Insurance Corp.	Pearson Correlation	0.9825**	1
	Sig. (2 Tailed)	0.001	
	N	36	36

INTERPRETATION

A very strong and extremely Sensex and Life Insurance Corp ,throughout the studied period is indicated by the Pearson correlation value of 0.9825** between these variables. This robust correlation suggests that changes in the Sensex closely reflect variations Life Insurance Inc. The returns or performance of Life Insurance Corp. are impacted in a similar and closely connected way by changes in the Sensex. The aforementioned correlation serves to emphasize the insurance industry's susceptibility to general economic conditions and stock market oscillations, underscoring the robust connection between life insurance Corp's financial results and broader market patterns

DOI: 10.48175/IJARSCT-19346

Table 10: BSE Sensex and PNB Met Life Growth Fund Plan Correlation

Copyright to IJARSCT www.ijarsct.co.in

361



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.53 Volume 4, Issue 1, August 2024

		Sensex	Life Insurance
Sensex	Pearson correlation	1	0.9816**
	Sig. (2 Tailed)		0.001
	N	36	36
Life Insurance Corp.	Pearson Correlation	0.9816**	1
	Sig. (2 Tailed)	0.001	
	N	36	36

INTERPRETATION

A very strong and extremely positive linear association between the Sensex and Life Insurance Corp. throughout the studied period is indicated by the Pearson correlation value of 0.9816** between these variables. This robust correlation suggests that fluctuations in the Sensex closely and correctly reflect variations in Life Insurance Corp.'s performance. The returns or performance of Life Insurance Corp. are impacted in a similar and closely connected way by changes in the Sensex. This connection shows how closely the financial results of Life Insurance Corp. are tied to general market movements, underscoring the considerable impact of stock market changes and broader economic conditions on the insurance industry.

V. FINDINGS

NAV Performance Analysis:

ICICI Prudential Life Insurance consistently demonstrated a positive growth trajectory in NAV, reflecting stability and adaptability even amid market fluctuations.

Max Life, **HDFC**, and **SBI Life** also exhibited notable increases in NAV, aligning with broader market trends as represented by the NSE SENSEX, indicating strong investor confidence and robust market participation.

Return on Investments:

ICICI Prudential Life Insurance displayed steady growth in returns over the years, with notable increases from 7.76% in 2020 to 58.34% in 2022, signifying effective investment strategies and market responsiveness.

Max Life Insurance and **HDFC Life Insurance** showed significant returns, with **Max Life** leading in 2021 with 85.21% and 2022 with 90.67%, highlighting its exceptional performance.

SBI Life Insurance had lower returns compared to others, reflecting potential areas for improvement in investment strategies.

Correlation with BSE SENSEX:

ICICI Prudential Life Insurance and **Max Life Insurance** have shown very strong positive correlations with the BSE SENSEX (0.9859 and 0.9876, respectively), suggesting that their performance closely mirrors the broader market movements.

TATA AIA Life Insurance and **HDFC Life Insurance** also exhibit strong correlations (0.9984 and 0.9977, respectively), indicating a tight linkage between their performance and market trends.

SBI Life Insurance shows a strong correlation (0.7780), though not as pronounced as others, implying a more moderate sensitivity to market changes.

Aditya Birla Life's Pure Equity Fund and PNB Met Life Growth Fund have also shown very strong correlations with the BSE SENSEX (0.9825 and 0.9816, respectively), underscoring their performance's close alignment with market conditions.

VI. CONCLUSION

The study reveals that the performance of major life insurance companies is highly correlated with the broader stock market, as represented by the BSE SENSEX. Companies like ICICI Prudential Life Insurance, Max Life Insurance, and TATA AIA Life Insurance demonstrate a strong positive correlation with the SENSEX, indicating their returns are closely aligned with market trends. These firms have successfully managed to leverage market conditions for positive

DOI: 10.48175/IJARSCT-19346

Copyright to IJARSCT www.ijarsct.co.in

362



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.53 Volume 4, Issue 1, August 2024

returns, showcasing their effective investment strategies and adaptability. On the other hand, while SBI Life Insurance and PNB Met Life Insurance show good performance, their returns and correlation with the SENSEX are comparatively lower, suggesting potential areas for enhancing investment strategies and market responsiveness. Overall, the life insurance industry's performance is closely tied to market dynamics, and companies that effectively navigate market fluctuations tend to show better financial results. The findings highlight the importance of market adaptability and strategic investment in achieving superior performance in the life insurance sector.

REFERENCES

- [1]. Kumari, S. (2013). "Performance Analysis of Indian Life Insurance Industry Post-Liberalization." Journal of Insurance and Financial Management, 4(2), 34-46.
- [2]. Smazla, N. (2014). "Financial Health of Croatian Insurance Companies: An Analysis Using the CARAMEL Model." Croatian Journal of Finance, 9(1), 57-72.
- [3]. Ansari, V. A., & Fola, W. (2014). "Quantitative Analysis of Financial Stability and Performance of Indian Life Insurance Companies." Indian Journal of Finance and Economics, 6(3), 101-118.
- [4]. Naidu, K., & Paramasivan, C. (2015). "Impact of Unit-Linked Plans on Market Share of Life Insurance Companies in India." Journal of Financial Services Research, 8(4), 45-61.
- [5]. Fatima, S., & Singh, A. K. (2017). "Performance Evaluation of ICICI Prudential Life Insurance: A Study Using the CARAMEL Model." Journal of Insurance Research and Practice, 11(2), 89-104.
- [6]. Bhattacharyya, A., & Barman, T. K. (2018). "A Comparative Evaluation of Profitability in the Indian Life Insurance Sector: Public vs. Private Companies." Indian Journal of Business and Management Studies, 10(2), 67-82.
- [7]. Singh, S., & Singh, S. (2019). "Financial Performance Analysis of Indian Life Insurance Companies: A Comparative Study." International Journal of Financial Research, 12(1), 23-39.
- [8]. Rathi, S., & Jatav, S. (2020). "A Review of Financial Ratios and Performance of Life Insurance Companies in India." Journal of Financial Planning and Analysis, 15(3), 113-129.

