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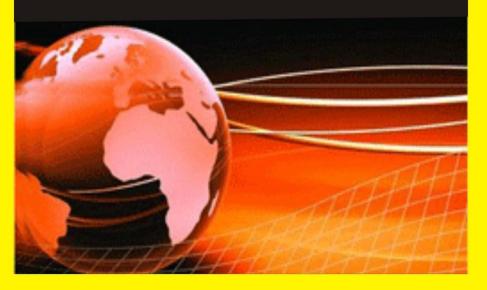
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SR. NO.	PARTICULAR	PAGE NO.	DOI NUMBER
1.	THE EMPLOYEE PERSPECTIVE ON ESG INTEGRATION: ENABLING PROFESSIONAL SERVICES TO DRIVE SUSTAINABILITY IN TRANSFORMATION  Bukka Kavya Reddy, Nisha Francis	1-12	10.5958/2249-7137.2025.00036.4
2.	IMPACT OF SHARE SPLIT ON RETURNS, VOLATILITY AND LIQUIDITY  Dr. Amit Mohindroo	13-24	10.5958/2249-7137.2025.00037.0

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SJIF 2022 = 8.252

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# THE EMPLOYEE PERSPECTIVE ON ESG INTEGRATION: ENABLING PROFESSIONAL SERVICES TO DRIVE SUSTAINABILITY IN TRANSFORMATION

Bukka Kavya Reddy\*; Nisha Francis\*\*

\*Research Scholar, School of Management Studies, REVA University, Bangalore, INDIA

\*\*Assistant Professor, School of Management Studies, REVA University, Bangalore, INDIA

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#### **ABSTRACT**

Understanding the complicated relationship between ESG variables and the long-term success of firms is crucial in this dynamic environment. Using the viewpoints of employees from a range of professional services in Bengaluru, this study examines how Environmental, Social, and Governance (ESG) practices are evolving in professional services organizations. Nuanced insights that support corporate goals and academic discourse are what we hope to offer. Assessing employee understanding of ESG practices in professional service organizations, evaluating the perceived impact of ESG practices on organizational longevity, and examining challenges to ESG adoption are the three primary goals of the study. The study used a mixedmethod approach, analysingthe questionnaire responses from 302 employees of various professional services in Bangalore. The results indicate that technical ESG targets like carbon neutrality and ESG data reporting are not well understood by employees, but they are aware of general sustainability practices and values such as ethics, diversity, and inclusion. Poor crossdepartmental coordination, inconsistent deployment across regions, and a lack of transparency are the main causes of implementation issues for many businesses. To improve use and efficacy of the ESG practices, study recommends more focused training, improved leadership communication, and implementation of user-friendly ESG tools.

**KEYWORDS:** Esg Transformation, Professional Services, Sustainability, Employee Engagement, Organizational Performance.

#### INTRODUCTION

The ESG framework encompasses environmental (E), social (S), and governance (G) components. The modern corporate environment underscores the necessity of incorporating Environmental, Social, and Governance (ESG) practices, indicating a significant shift in how firms fulfill their responsibilities within wider societal and environmental frameworks (Boukattaya et al., 2022; Durand et al., 2019). ESG originates from responsible investment practices. The Principles for Responsible Investment (PRI) characterize responsible investment as a strategy and practice that integrates environmental, social, and governance (ESG) factors

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SJIF 2022 = 8.252

A peer reviewed journal

into investment decisions and active stewardship. Consequently, ESG serves as a framework and approach employed by investors to assess business conduct and prospective financial outcomes. The three fundamental components of ESG are critical variables in the investment evaluation and decision-making process for sustainable business growth (Boulhaga et al., 2023).

Sustainability has established itself as a new major priority for organizations across the globe, especially in professional services like auditing and consulting, IT services, legal services, and most of the intangible service providers (Busch & Schnippering, 2022). Employees now place sustainability at the core of business strategy, shaping the expectations and reality of the firms' ESG transformation journey. Integrating their services with Environmental, Social, and Governance (ESG) factorshelps to instill transformations inside the organizations (Dufailly & Nordstrand, 2024). The global shift to sustainability continues to gain pace, with 90% of S&P 500 companies reporting ESG (up from 20% in 2011) and increasing pressure from governments, consumers, and investors (Marketing, 2024). That represents social pressure on corporations to solve urgent global issues, from climate change and social inequities to economic instability and companies' ethical failures (Chopra et al., 2025). The professional services companies are under pressure to embed ESG within their operations, where their people are key to turning sustainability ambitions into reality (Martiny et al., 2024).

Furthermore, environmental, social, and governance (ESG) elements assess the sustainability and social impact of corporate operations (Li et al., 2021; Collevecchioet al., 2025). The importance of the ESG paradigm for banking and the economy is rapidly increasing. Progressive and mainstream investors are increasingly focused on the rise in ESG enthusiasm and are driving the demand for a more profound understanding of ESG performance, recognizing for the first time that "climate risk is investment risk" (Arvidsson and Dumay, 2022). A 2018 global survey reveals that more than fifty percent of asset owners globally are currently including or evaluating ESG considerations in their investment plans.

The notable rise in ESG is demonstrated by a worldwide increase in socially responsible investing surpassing 34% since 2016, and "over the past two decades, ESG integration has grown by 60%" (Umar et al., 2020). Despite a decade of continuous growth, the ESG framework has recently encountered significant criticism and has emerged as a central issue in political and ideological disputes (Crowley and Eccles, 2023; Damodaran, 2023). These occurrences illustrate that improving our understanding of the mechanisms underlying these phenomena is essential for sustaining equitable discourse among society and policymakers (Martiny et al., 2024).

This study examines the perspectives of employees in various professional services in Bengaluru regarding the adaptation of ESG practices within these organizations, their influence on sustainable performance, and the challenges encountered in their implementation. The paper is organized as follows: Section 2 addresses the theoretical framework and literature review; section 3 delineates the research methodologies; section 4 examines the results, emphasizing their relationship with the existing knowledge gap; and the final section offers a discussion, outlines the study's limitations, and suggests avenues for future research. We now offer the conclusions.

#### 2. Theoretical Framework

For many reasons, theoretical frameworks or management theories are needed to explain ESG performance. They may first help practitioners and scholars define and analyze difficult

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SJIF 2022 = 8.252

A peer reviewed journal

phenomena like ESG performance. Second, they help firms anticipate and manage ESG risks and opportunities, improving decision-making. ESG performance research and analysis is legitimised by theoretical frameworks that give academics and practitioners a common language.

This study mainly builds on stakeholder theory and sustainability theory as a lens to understand the mechanisms underlying how the internal sustainability programs are transforming the organization toward ESG change in the professional services industry. Freeman (1984) introduced stakeholder theory, which asserts that an organization's success depends on balancing the interests of various stakeholders, including employees, investors, the community, and regulators, rather than focusing solely on shareholders. It is also demonstrating this sort of balance in its internal corporate social responsibility program, through which many million lives were reached by 2024 through employee-led ER training in sustainability and digital skills (Gee, 2024). Sustainability theory, as defined by Kates et al. (2001), emphasizes the importance of holistic approaches to addressing environmental and social issues, and it highlights integrated solutions that meet economic, ecological, and social needs. This requires organizations to undertake internal activities, including achieving carbon negativity and setting targets for reducing greenhouse gas emissions.

The resource-based paradigm, which emphasizes the importance of an organisation, is designed to compare financial performance among companies (Barney, 1991; Renuka et al., 2025), but it can also be used to assess social performance (Short et al., 2015). Institutional theory holds that social and cultural factors, particularly economic sustainability and environmental protection, dominate strategic decisions (Galbreath, 2013). The support of all these theories are taken to analyse the ESG practices and thereby sustainable performance of professional services organisations at Bangalore.

#### 2.1. Literature Review

There is growing attention toward the role of the professional services firms in ESG transformation. Well-developed ESG practices consistently show a positive relationship with corporate performance in the broader context of ESG integration (Elamer & Boulhaga, 2024). De Souza Barbosa et al. (2023) found that 40 percent of the evidence supports the idea that ESG positively affects how well companies perform in terms of sustainability, but they also noticed problems with how the methods were validated. Similarly, increased disclosure related to environmental and social strategy and the presence of effective corporate governance mechanisms increase sustainability performance in Asian companies (Alsayegh et al., 2020; Hristov& Searcy, 2025).

Dufailly& Nordstrand(2024) examined how consultants act as external change agents for sustainability. Consultancy and recycling are very important avoid becoming a throwaway society, as consultants provide knowledge transfer and quantitative data to assist clients. This is in relation to meet the environmental regulations, as opposed to dealing with other stakeholders, including those with budget limitations, project timescales, and resistance from upper management (Dufailly& Nordstrand, 2024). Paula et al., (2017) explored leading consulting firms' integration of sustainability into the business model and concluded that sustainability frameworks can have a strong effect on corporate behavior, employee productivity, and customer satisfaction. The implementation of sustainability practices should consider the environmental cost of digital solutions and the necessity for adaptive as well as collaborative approaches and frameworks (Damodaran, 2023).

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SIIF 2022 = 8.252

A peer reviewed journal

Ferrero-Ferrero et al. (2016) studied the impact of ESG performance consistency on corporate performance and discovered that firms with high levels of ESG performance consistency, as opposed to those without, can generate better economic performance when the level is extremely high. This supports the claim that consideration of ESG can result in the best outcomes if it is balanced rather than integrated (Hunjra et al., 2024)

Financial markets are embracing ESG, with \$30.7 trillion of investment accounts being classified as ESG-labeled in 2023, and it is forecast to increase to \$33.9 trillion in 2026" (Marketing, 2024). Such investments contribute to projects in areas such as clean energy, responsible supply chains, and anti-corruption activities and thus to the promotion of good corporate practices. Currently, most investors consider ESG factors in their investing decisions, attracted by evidence showing companies adopting sustainability practices manage risks more effectively and achieve long-term profitability (Li et al., 2021; Disli et al., 2022; Renuka et al., 2025).

It iscrucial to involve stakeholders for the success of ESG, and they have also studied and categorized the trends in using stakeholder methods to handle CSR and sustainability issues. In their systematic review, Brinkerhoff and Goldsmith emphasize the role of stakeholders in achieving the SDGs (López-Concepción et al., 2021; Martini et al., 2024)

#### 2.1. Research Gap and Research Objectives

The present study looks at how professional services companies can improve their ESG efforts through initiatives led by employees, which hasn't been studied enough, and it aims to add to theories about stakeholders, institutions, and sustainability while providing useful insights for the industry. This study addresses this gap by examining internal ESG practices within professional services from employee perspectives, contributing theoretically to stakeholder theory, institutional theory, and sustainability science, and offering practical implications for the sector.

#### **Statement of the Problem**

As sustainability becomes critical for professional services firms. However, the extent of employee awareness, the impact of these initiatives on sustainable performance, and the barriers to their implementation remain unclear and may hinder progress. This study uses employee insights to investigate these issues and, understand how effectively advance its ESG goals within the context of professional services in Bengaluru.

#### The three main objectives of the study are

- To Assess Employee Awareness of company's ESG Initiatives
- To evaluate the impact of ESG practices on sustainable performance
- To explore the barriers perceived by employees in the implementation of ESG initiatives

#### 3. Methodology

#### 3.1 Research Design

This research is a descriptive and predictive analytical study performed with a mixed-method approach, taking in both quantitative and qualitative data to fulfill the aims of the study. A structured survey which was implemented on employees is used to gather primary data.

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 A peer reviewed journal SJIF 2022 = 8.252

The sample for the study was 302 employees from different professional service organisations in Bangalore. The employees were conveniently sampled based on their availability and willingness to take part in the study. The pyramid surveyed consisted of a range of positions in different departments of Assurance, Consulting, Tax, and Strategy & Transactions and covered four levels of seniority ranging from Associates to Senior Managers.

The structured questionnaire was used for the collection of primary data ondemographic information, awareness of ESG agendas, perception of impact from ESG activities, obstacles to ESG adoption, and open-ended questions related to challenges experienced.

#### 4. Data Analysis

The responses were organized and examined to understand levels of ESG awareness, the perceived impact of ESG practices, and barriers to implementation. Quantitative data were analyzed using descriptive statistics and simple linear regression to test the relationship between ESG practices and sustainability performance. The validity and reliability of the data are tested before starting with statistical analyses, and Cronbach's alpha value was above the threshold of 0.70, confirming the reliability of the data.Qualitative responses were thematically coded, and recurring challenges appeared as themes under common categories after tallying frequency and percentage scores. World Cloud is created to understand the major challenges in ESG implementation.

#### 4.1 Demographic Profile

The survey participants comprised an equal proportion of staff from across different professional servicesorganization. Nearly half of the sample (43%) had senior-level titles, 20% were associates and managers, 15% were staff-level, and only 2% were senior managers..

#### 4.2 Level of Employee Awareness Knowledge on ESG-Driven Activities

To examine the levels of ESG awareness among the employees of different professional services organizations, the responses were analyzed, which were measured on 5-point Likert scale from extremely high familiarity to no familiarity with ESG practices in their respective organizations.

**Table 1: Consolidated Familiarity Analysis** 

ESG Initiative	High Familiarity (Extremely + Moderately)	Medium Familiarity (Somewhat)	Low Familiarity (Slightly + Not at All)
Energy-Saving Practices	66.6%	26.5%	6.8%
Net Zero Carbon Goals	52%	34%	14%
Green Office Practices	52%	45%	3%
DEI Policies	70%	25%	5%
Global Code of Conduct	65%	30%	5%
ESG Transparency & Reporting	61%	29%	10%

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SJIF 2022 = 8.252

A peer reviewed journal

These findings suggest a relatively high awareness of ESG initiatives overall, with variation in its levels between different aspects. Based on the above ESG awareness spectrum, the ESG initiative awareness can be categorized into three categories.

#### Category1: Exceptional Awareness (70%+ High Familiarity)

Diversity, Equity, and Inclusion (DEI) policies emerge as the top of the ESG practices, proving a success with 70% claiming high familiarity among employees (26% extremely familiar and 44% moderately familiar). This excellent performance is marked by a low under-awareness (5 percent only), which is an indicator of extensive, comprehensive organizational penetration. The widespread nature of deep engagement suggests good integration into day-to-dayoperations and comprehensive training programs. This achievement represents the gold standard for ESG communication within the organization, especially in the social aspect of ESG.

#### Category2—Strong Awareness (60-69% High Familiarity)

The Energy Saving Practices lead in this category with a high familiarity rate of 66.6%. The high awareness and engagement depth and low proportion of low familiarity (6.8%) reflect successful employee engagement with the organization's energy conservation initiatives and its widespread reach of the organization. And it's a clear example of how employing organized communication and engagement approaches can benefit sustainability initiatives.

In terms of said ethical training, the Global Code of Conduct bore an average of 65% high familiarity (evenly distributed in extremely and moderately (both 29%) and somewhat familiar (30%), with 6% not knowing about the Code. The 5% low rate of low familiarity is indicative of near-ubiquitous adoption in ethics education and communications platforms. The result indicates that the organization is aware of the Governance part of the ESG and the importance of compliance requirements. This credibility and trust serve as the foundation for other ESG initiatives.

And in fact, ESG Transparency Reporting registers a 61% high familiarity, but that is still an extremely low-end (17%) target compared to the more successful campaigns. 'Moderate' familiarity (44%) indicates solid basic knowledge, yet not strong detailed knowledge of individual role contributions. The problem with the transparency promise is a lot of theemployees in these organizations likely understand it in theory but do not quite grasp how it applies practically to their daily futures. This is a trend indicating an opportunity for better communications around employees and their role in reporting.

#### Category 3: Moderate Awareness (50-59% High Familiarity)

Net Zero Carbon Goals, while strategically important for the sustainability ambitions, achieves a quite low high familiarity value of 52%, with high familiarity being lower than in the other initiatives (the minimum high familiarity rate was 12%). The 14% of high-low familiarity suggests a potential gap in sustainability communication strategies, which requires immediate attention. The general awareness, with 34% showing some familiarity and 40% demonstrating a moderate amount, falls significantly short of the necessary level for successful adoption. This difference is more alarming given the urgent timeline and need for organization-wide engagement in the face of climate goals set with such ambition.

And then there's Green Office Practices, which somehow manages 52% high familiarity. The highest percent of "somewhat familiar" (45%) out of all the initiatives, with only 32% "extreme

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025

SJIF 2022 = 8.252

A peer reviewed journal

familiarity," suggests that practice is highly visible yet not comprehended as a significant practice. Employees encounter these activities every day, but they have very little idea of why, when, or how such activities are beneficial. Low familiarity (3%) reflects primitive communication function, although focus on the moderate awareness requires further educational effort to turn visibility into action.

Thus, the data reveals a clear hierarchy in the ESG practices and effectiveness. The social initiatives achieving the highest score indicate a robust social policy that the employees are well communicated about. Governance and transparency initiatives follow closely behind. However, significant challenges in environmental engagement strategies are seen in these organizations. The hierarchy implies that present methods of communication are more appropriate to policy-based interventions than environmental programs focused on behavior change. Intelligent transfer of resources and practices from good social practices to poor environmental practices could help close this performance gap.

#### 4.3. ESG Practices and Sustainable Performance

There is a growing body of evidence that suggests that companies that are more successful at adopting and incorporating ESG practices into their business models report higher levels of performance (Dacin et al.). The employees feel proud of their organisations because of its environmental, social, and governance responsibility and believe they are working in an environment that supports these behaviors.

These perceptions are statistically tested by a simple linear regression analysis. The model was significant (F = 213.67, p < 0.001), with  $R^2 = 0.681$ , which implies that about 68.1% of the variation in EY's sustainability performance was accounted for by its perceived ESG practices. The regression equation was

EY Sustainability Performance =  $0.777 + 0.837 \times ESG$  Practices

We find a positive and statistically significant relationship between ESG practices and sustainability performance ( $\beta = 0.837$ , p <0.001), with each unit increase in ESG practices corresponding to a 0.837-unit improvement in sustainability performance.

The results contribute empirical evidence that ESG initiatives are not an intangible compliance exercise or convenience but rather fundamental drivers of any business, which result in tangible sustained sustainability within business activities.

#### **5.4. ESG Implementation Barriers**

Implementation difficulties were reported to be an occasional obstacle by 28.43 percent of the employees, followed by never being an obstacle met by 24.51 percent and rarely an obstacle met by 30.39 percent. Further, only 2.82% reported that they rarely encountered difficulties and challenges.

Through thematic analysis of open-ended responses, 165 unique challenges were identified, comprising 15 categories. The most frequently reported barriers are represented in figure 1.

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SJIF 2022 = 8.252 A peer reviewed journal

Limited local leadership support

Technology infrastructure limitations

Difficulty integrating ESG into core services

Language and communication barriers

Limited ESG-specific training

Cultural resistance in local markets

Language and communication barr Competing priorities

Complexity of ESG frameworks

Regulatory inconsistency

Weak incentives or recognition

Poor cross-functional collaboration

Inadequate ESG data and tools

Time constraints

Low client awareness or buy-in

The thematic analysis of 165 distinct barriers to ESG implementation uncovered a complex web of barriers from all three levels (organizational, operational, and external ones), covering 15 barrier categories. The main challenges for ESG are lack of teamwork between departments, not enough time, and issues with language and communication, showing that the problems with ESG implementation are more about how the organization is set up and what it prioritizes rather than a lack of technical skills or knowledge. Further, challenges such as technology infrastructure barriers, competing priorities, and regulatory inconsistency indicate that most of these organizations have both internal capacity limitations and external institutional complexities that compromise the integration of ESG into core business practices. The other barriers includelimited ESG-specific training, cultural resistance, weak incentives/recognition, regulatory incongruence, low support from local leadership, etc.

#### 5. Discussion

Results indicate a mixed picture of ESG awareness and practice amongst professional services firms, with a high degree of variance between ESG dimensions. The high awareness (70% familiarity) of DEI initiatives over environmental programs indicates that the success of organizational ESG is not homogeneous but instead dimension specific. That this gap exists would indicate that while organizations may have become skilled in communicating social governance strategies, environmental engagement needed different approaches that went beyond policy compliance to be able to address behavioural change.

The high positive relationship between ESG process and sustainability performance ( $\beta = 0.837$ ,  $R^2 = 0.681$ ) is strong evidence that ESG activities create real organizational results beyond rule-dictated checks. This relationship confirms the strategic importance of ESG investment and indicates that higher ESG awareness levels in organizations might lead to better sustainability performance. But the 165 distinct obstacles to implementation identified in 15 categories show that awareness is not enough for successful ESG integration.

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SJIF 2022 = 8.252

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The organizational challenges, especially lack of cross-functional cooperation and time constraints, are more important than technical or knowledge limitations, implying that challenges in ESG implementation derive fundamentally from structural, not informational, problems. This result suggests that companies need to invest in organizational restructuring and resource redistribution in order to mitigate the barriers of ESG implementation. The impact of DEI propositions provides a roadmap for tackling such challenges through full-throated training, systematized integration, and sustained commitment from the organization across all ESG dimensions.

#### **5.1 Theoretical Implications**

The findings align with stakeholder theory and sustainability science viewpoints. The significant involvement of employees in ESG activities and its recognized efficacy as a tool for client interaction and talent management align with stakeholder theory, which emphasizes the conflicting interests of many stakeholders (Freeman, 1984). The systemic notion of ESG integration, evident in comprehensive training initiatives and carbon reduction objectives, aligns with the doctrines of sustainability science about the management of integrated environmental and social challenges (Kates et al., 2001).

#### **5.2 Practical Implications**

The research indicates that although the majority of firms have successfully established ESG awareness initiatives, particularly with ethics and DEI, they possess significant chances to enhance their comprehension of technical ESG components such as carbon transparency and reporting transparency. The recognition of communication hurdles as the primary obstacle to adoption requires a more comprehensive, organized, and localized communication strategy. The substantial statistical correlation between ESG practices and sustainability performance indicates that ESG initiatives are not merely symbolic but have a tangible effect. This is the rationale for the continued investment in and integration of ESG practices as a sound business strategy.

#### **5.3 Recommendations**

The following recommendations are based on the study's findings. Enforce compulsory ESG courses and training in specific fields to rectify shortcomings in technical proficiency. Enhanced communication through the creation of multilingual ESG materials and the formulation of clear communication strategies. Remove obstacles between departments and create an ESG task force along with standardized KPIs to enhance interdepartmental communication. Direct resources towards effective ESG instruments and integrated knowledge libraries. Regional Localization via Tailored ESG communication and training by geographic segments. Moreover, leadership involvement includes ongoing senior-level endorsement and recognition for advocates

#### **5.4Limits and Further Study**

Limitations The study was conducted only at professional service organizations in Bangalore at the convenience of the researchers (Bangalore) and used the convenience sampling method, so the study was deliberately restricted. Results of does not be restricted. The study does not take into account the views of external stakeholders and is limited by the context of the geographical and cultural setting of the Bengaluru office. Future research might generalize to multiple offices of the professional services around the world, incorporate the views of outside stakeholders, and pursue longitudinal studies to observe over time how ESG is analyzed and how ESG

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025

A peer reviewed journal

SIIF 2022 = 8.252

implementation and adoption progress. Further comparison between organizations in other sectors can be

#### 6. CONCLUSION

This study expands stakeholder theory and sustainability science, demonstrating how ESG amplifies employee and community engagement and necessitates systemic solutions. Communication breakdowns, poor cross-functional collaboration, and insufficient technological infrastructure are significant barriers, highlighting the necessity for a comprehensive, formalized, and community-oriented ESG implementation strategy. The strong positive link between ESG activities and sustainability performance indicates that ESG initiatives yield measurable organizational outcomes. Ultimately, the insights have validated that ESG transformation at professional service organisations must transcend mere rhetoric; sustainability must be integrated into daily actions, decisions, and organizational culture. By addressing deficiencies and using existing strengths, these organisations can further enhance its leadership in sustainable services and create significant ESG outcomes for itself and its clients.

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ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SJIF 2022 = 8.252

A peer reviewed journal

## IMPACT OF SHARE SPLIT ON RETURNS, VOLATILITY AND LIQUIDITY

Dr. Amit Mohindroo\*

\*Assistant Professor,
PG Department of Commerce and Management
G.G.D.S.D. College, Sector 32C, Chandigarh
Email id: amit.mohindroo@ggdsd.ac.in

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#### **ABSTRACT**

A share split is a decision by the board of directors of a company to divide each of its existing shares into multiple new shares. Share split decision does not involve any cash flow. This is just a subdivision of shares. Thus share split is only an accounting entry in the company books with no effect on the assets and liabilities. This paper studies the impact of share split on return, volatility and liquidity of shares around share split announcement date and execution date. The study analyses the data of 318 companies which announced stock split in India during four years from 2021 to 2024. The results indicate the significant positive abnormal returns around the stock split announcement but shows significant negative abnormal returns around the execution date. The liquidity and volatility increases significantly around the stock split announcement as well as around execution date.

**KEYWORDS:** Share Split, Liquidity, Returns, Volatility.

#### INTRODUCTION

A share split is a decision by the board of directors of a company to divide each of its existing shares into multiple new shares. Share split decision does not involve any cash flow. This is just a subdivision of shares. Thus share split is only an accounting entry in the company books with no effect on the assets and liabilities. Globally, share splits are now a widespread financial strategy, with companies in advanced nations increasingly using them. In India, this is further reflected in the large number of companies adopting share splits after the removal of the parvalue concept by SEBI in 1999, with more than two dozen splitting their shares within a year.

Theoretically the share split do not have any impact on the par value of share price as the number of shares held by the shareholders would increase proportionately and the par value of the share held would decrease proportionately. So there is no gain or loss for the shareholder as they continue to hold the same capital asset but in increased number. However, the shareholders might gain or loss due to the increase or decrease in the market value of the shares.

It is believed that a company goes for share split when the share price has risen to a very high level and due to which its liquidity decreases. The share split reduces the price and it becomes more affordable to small investors. Another popular belief is that Share splits also result into wider market for the company. As the number of shares increases after split, it leads to greater number of transactions leading to increased volume. Through share splits, the companies by reducing the par value of their shares make them comparable with other firms in the industry.

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SJIF 2022 = 8.252

A peer reviewed journal

However theory and practice have contradictions. Theoretically there is no change in the share price but various researches have shown that the share split have impacts. This study aims to investigate the impact of share split on return, volatility and liquidity of the share.

#### LITERATURE REVIEW

The impact of split on share prices has been the focus of various studies, resulting in a comprehensive body of literature covering both theoretical and empirical aspects. The literature available focuses on two aspects of this topic. Some studies discuss about the motivations of having share split and other discuss the impacts of share splits. Many studies have tried to explain the positive signaling hypothesis as the main motivation of share split. Under this hypothesis the managers try to signal the insider information about the future performance of the company through share split. Investors take the share split as an indication of future value of the company and purchase the share, which increase the share price. This hypothesis was given by Fama et. al. (1969) and has been supported by numerous studies over the years (Ross (1977), Leland and Pyle (1977), Grinblatt et. Al. (1984), Brennan and Copeland (1988), Brennan and Hughes (1991))

Another motivation for share split supported by various studies is the reduction in share price due to the subdivision of shares. The share split reduces the price and it becomes more affordable to small investors. This increases the liquidity of the shares. Various studies support this hypothesis such as Baker and Gallagher (1980), Lakonishok and Lev (1987), McNichols and Dravid (1990) and Baker and Powell (1993).

Ignored firm hypothesis which was suggested by Arbel and Swanson (1993) suggest that the main reason for share split is to pull the attention of shareholders in the company. As per this hypothesis due to the high price of shares, the company was being ignored by the investors. Share split provide the spotlight to the company and increase the visibility of the shares which in turn help to increase the liquidity.

Besides these studies there are many more recent studies which focus on the impact of share split on the returns, risks and liquidity of the shares. The results shown by these studies are mixed as some studies conclude the positive returns associated with the share splits while others show no results. Rohit et al., (2016) concluded insignificant abnormal returns around announcement dates while Hendra, et al. (2020) concluded abnormal returns around exercise dates. Similarly, Podgorski and Pasierbek (2020) found a positive market reaction to the first split information observed through increases in abnormal returns.

The review of literature provides clear gap related to impact of share splits in emerging markets like India. This study has been undertaken to fill this gap by studying the impact of share split on return, volatility and liquidity of shares around share split announcement date and execution date.

#### RESEARCH METHODOLOGY

#### **Data and Sample**

The period of study was four years i.e. 2021 to 2024. During these four years 426 companies announced share split. The study excluded the companies having market cap below 100 crores and companies whose share price was below Rs 10 at the time of split announcement. The companies with low market capitalization and very small market price can be subject to

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SIIF 2022 = 8.252

A peer reviewed journal

manipulation, which in turn can affect the results. After eliminating these companies the study used the data of 318 companies. These companies had minimum share split ratio of 2:1 and maximum split ratio being 10:1. The closing share price, daily minimum and maximum share prices, and daily volume data of the companies in the sample have been downloaded from nse.com. Information regarding share splits, announcement date and execution date has been taken from moneycontrol.com

#### **Event Study Approach**

Event study approach has been used in this study to analyze the impact of share split on the market prices of the shares, volatility and volume around announcement date and around execution date. The announcement date is the date on which the company announces the share split whereas the execution date is the date on which the share is actually has been split.

In order to analyze the impact of share split on the returns, Average Abnormal Returns (AAR) and Cumulative Average Abnormal Returns (CAAR) has been calculated for window period of 61 days i.e. event day and thirty day before event and thirty days after the event. Event day here is announcement day and execution day.

The return of security i on day t has been calculated as follows:

$$R_{it} = \frac{P_{it} - P_{it-1}}{P_{it-1}} * 100$$

Abnormal return of security i on day t has been calculated through the following formula:

$$AR_{it} = R_{it} - R_M$$

Where  $R_M$  is the daily return of Nifty 50 index

The average abnormal return of 318 companies has been calculated as follows, where n is equal to 318:

$$AAR_{t} = \frac{\sum_{i=1}^{n} AR_{i}}{n}$$

Two tailed t test has been applied to study the statistical significance of AAR:

$$t_{AAR_t} = \frac{AAR_t}{\frac{S_{AAR_t}}{\sqrt{n}}}$$

Cumulative average abnormal returns have also been calculated to analyze the cumulative effect:

$$CAAR_{t} = \sum_{t=-30}^{30} AAR_{t}$$

Volatility of security i on day t have also been calculated to analyze the impact of share split on volatility both for announcement day and on execution day.

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SIIF 2022 = 8.252

A peer reviewed journal

$$Volatility_{it} = \frac{P_{itmax} - P_{itmin}}{WAP_{it}} * 100$$

Further change in volatility and average change in volatility was also calculated:

Change in 
$$Volatility_{it} = (\frac{Volatility_{it}}{Volatility_{it-1}} - 1) * 100$$

Average Change in Volatility (ACV)\_t = 
$$\frac{\sum_{i=1}^{n} Change \text{ in Volatility}_i}{n}$$

Two tailed t test has been applied to study the statistical significance of change in volatility:

$$t_{ACV_t} = \frac{ACV_t}{\frac{S_{ACV_t}}{\sqrt{n}}}$$

Change in volume and average change in volume of security i on day t was calculated for testing the impact of share split on volume around announcement day and around execution day.

$$\begin{aligned} & \text{Change in Volume}_{it} = (\frac{\text{Volume}_{it}}{\text{Volume}_{it-1}} - 1) * 100 \\ & \text{Average Change in Volume} \left(\text{ACVol}\right)_t = \frac{\sum_{i=1}^{n} \text{Change in Volume}_i}{n} \end{aligned}$$

Two tailed t test has been applied to study the statistical significance of change in volume:

$$t_{\text{ACVol}_{t}} = \frac{\text{ACVol}_{t}}{\frac{S_{\text{ACVol}_{t}}}{\sqrt{n}}}$$

The t-statistics calculated for the -30 and +30 days around the announcement and execution dates are used to test the hypotheses of whether the daily average abnormal returns, changes in volatility, and changes in volume are significantly different from zero.

#### **ANALYSIS**

#### **Impact of Share Split Around Announcement Date**

The paper tries to study three fold impact of share split around announcement date i.e. impact on returns, impact on volatility and impact on volume for 30 days before and 30 days after the announcement date. Statistical significance of these impacts has also been tested by using two tailed t-test for 30 days before and 30 days after the announcement date.

Figure-1 shows the average abnormal returns for 30 days before and 30 days after the announcement date. In order to show the snowball effect the CAAR has also been shown in Figure-2. The data related to AAR, CAAR and values of t-test has been shown in Table-1 only for 5 days before and 5 days after the announcement date due to space constraint. As is clear from Figure-1 the AAR are highest on the day of announcement where it is around 4.3%. The CAAR is also increasing at a higher pace before the announcement date and it is flat after the event.

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Figure-1: Average Abnormal Returns **Around Announcement Date** 

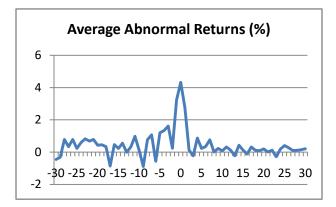
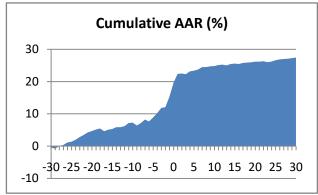


Figure-2: CAAR Around **Announcement Date** 



As far as the statistical significance of AAR, the values of t-test has been calculated and the values of t-test are significant with at least 10% level of significance for 16 days in total during the window period, which includes only two days after the event. As is clear from Table-1 the AAR are significant at 1% level of significance for day -1, day 0 and on day 1. The values on day -5 and -4 are significant at 10% level of significance.

Table-1: AAR, CAAR and t-test for AAR before and after 5 days of Announcement

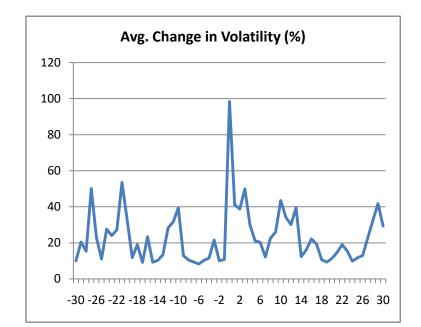
Day	AAR (%)	t-test	CAAR	
			(%)	
-5	1.2	1.87*	8.86	
-4	1.34	1.76*	10.2	
-3	1.62	1.45	11.82	
-2	0.24	1.23	12.06	
-1	3.23	1.97**	15.29	
0	4.32	2.04**	19.61	
1	2.76	1.98**	22.37	
2	0.13	0.98	22.5	
3	-0.23	1.21	22.27	
4	0.87	1.11	23.14	
5	0.23	0.09	23.37	
*Significant	at 10%,	**Significant	at 5%,	
***Significan	***Significant at 1%			

Average change in volatility around announcement date has been summarized in Figure-3 for a window period of 61 days. As is clear from the figure the volatility is highest near the event day, where it touches 98%. Before and after the event the average volatility is from 10% to 45%.

Figure-3: Average Change in Volatility **Around Announcement Date** 

**Table-2: Average Change in** Volatility and t-test Before and ISSN: 2249-7137

Vol. 15, Issue 7, July, 2025 A peer reviewed journal SJIF 2022 = 8.252



**After 5 days of Announcement** 

Day	Avg Change	t-test
	in Volatility	
	(%)	
-5	10.26	0.23
-4	11.48	1.21
-3	21.57	1.87*
-2	9.97	1.35
-1	10.75	2.24**
0	98.36	2.76***
1	41.17	1.98**
2	38.65	1.34
3	49.91	1.12
4	29.74	0.86
5	21.09	0.27
*Significant at 10%		
**Significant at 5%		
***Significant at 1%		

As far as statistical significance of change in volatility is concerned, it is statistically significant at least at 10% level of significance for 38 days, which includes 12 days after the event. The average change in volatility is statistically significant at 5% level of significance for 29 days and it is statistically significant at 1% level of significance for 9 days. The data for average change in volatility and t-test is given in Table-2 for -5 and +5 days around the event.

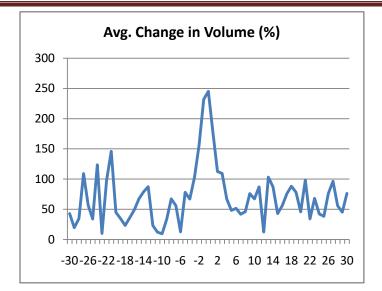
Another indicator used for studying the impact was change in volume. The average change in volume around the announcement date is given in Figure-4. The average change in volume was highest around the date of announcement, as can be seen from the figure.

Figure-4: Average Change in Volume Around Announcement Date

Table-3: Average Change in Volume and t-test Before and After 5 days of Announcement

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SIIF 2022 = 8.252

A peer reviewed journal



Day	Avg Change in Volume	t-test
	(%)	
-5	78.3	1.20
-4	67.09	0.67
-3	102.62	2.76***
-2	156.33	2.12**
-1	231.87	1.99**
0	245.23	2.07**
1	178.46	1.87*
2	112.76	1.45
3	109.38	0.76
4	67.1	1.23
5	48.23	0.26
*Significant at 10%		
**Significant at 5%		
***Significant at 1%		

As far as the statistical significance of average change in volume is concerned, it was statistically significant at least at 10% level of significance for 20 days during the window period which include 5 days after the event. The average change in volume is statistically significant at 5% level of significance for 17 days and it is statistically significant at 1% level of significance for 3 days. The data for average change in volume and t-test is given in Table-3 for -5 and +5 days around the event.

#### **Impact of Share Split Around Execution Date**

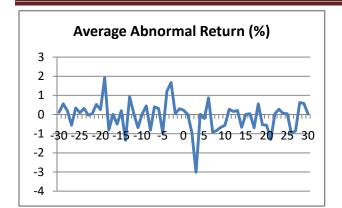
The impact of share split has also been tested around execution date for impact on returns, impact on volatility and impact on volume for 30 days before and 30 days after the execution date. Statistical significance of these impacts has also been tested by using two tailed t-test for 30 days before and 30 days after the execution date.

Figure-5: Average Abnormal Returns **Around Execution Date** 

**Figure-6: CAAR Around Execution Date** 

ISSN: 2249-7137

Vol. 15, Issue 7, July, 2025 A peer reviewed journal SJIF 2022 = 8.252



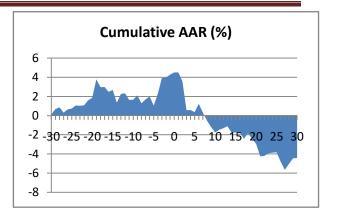


Figure-5 shows the AAR for 30 days before and 30 days after the execution date. The CAAR has also been shown in Figure-6. The data related to AAR, CAAR and values of t-test has been shown in Table4. As is clear from Figure-5 that AAR are mainly negative after 1<sup>st</sup> day of the event. The CAAR are increasing before the event but turn negative after the event.

Table-4: AAR, CAAR and t-test for AAR before and after 5 days of Execution

Day	AAR (%)	t-test	CAAR
			(%)
-5	-0.95	1.29	1.05
-4	1.21	1.91*	2.26
-3	1.67	1.85*	3.93
-2	0.04	.092	3.97
-1	0.3	1.12	4.27
0	0.23	.62	4.5
1	0.01	1.81	4.51
2	-0.93	1.99**	3.58
3	-3.01	2.01**	0.57
4	0.02	1.09	0.58
5	-0.21	1.73*	0.37
*Significant	at 10%,	**Significant	at 5%,
***Significant at 1%			

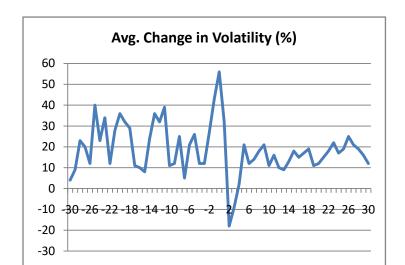
As far as the statistical significance of AAR are concerned, the values of t-test has been calculated and the values of t-test are significant with at least 10% level of significance for 12 days in total during the window period, which includes eight days after the event. As is clear from Table-1 which shows the data for 5 days before and 5 days after the event, the AAR are significant at 5% level of significance for day 2 and 3 and are significant at 10% level of significance on day -4,-3 and on day 5.

Figure-7: Average Change in Volatility Around Execution Date

Table-5: Average Change in Volatility and t-test Before and

ISSN: 2249-7137

Vol. 15, Issue 7, July, 2025 A peer reviewed journal SJIF 2022 = 8.252



#### After 5 days of Execution

Day	Avg Change	t-test
	in Volatility	
	(%)	
-5	26	1.83*
-4	12	.822
-3	12	.762
-2	27	1.84*
-1	43	1.98**
0	56	1.87*
1	32	1.72*
2	-18	2.023**
3	-9	.871
4	2	.021
5	21	1.70*
*Significant at 10%		
**Significant at 5%		

\*\*\*Significant at 1%

Average change in volatility around execution date has been summarized in Figure-7 for a window period of 61 days. As is clear from the figure the volatility is highest near the event day, where it touches 56%. The figure indicates volatile nature of the share before and after the event.

As far as statistical significance of change in volatility is concerned, it is statistically significant at least at 10% level of significance for 31 days, which includes 14 days after the event. The average change in volatility is statistically significant at 5% level of significance for 14 days and it is statistically significant at 1% level of significance for 1 day. The data for average change in volatility and t-test is given in Table-5 for -5 and +5 days around the event.

Another indicator used for studying the impact was change in volume. The average change in volume around the execution date is given in Figure-8. The average change in volume was highest around the date of execution, as can be seen from the figure.

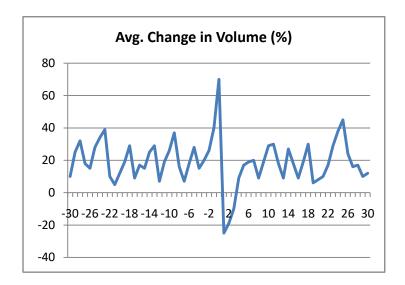
Figure-8: Average Change in Volume Around Execution Date

Table-6: Average Change in Volume and t-test Before and

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 SIIF 2022 = 8.252

A peer reviewed journal

#### After 5 days of Execution



Day	Avg Change in Volume (%)	t-test	
-5	28	1.67*	
-4	15	1.20	
-3	20	1.78*	
-2	26	1.72*	
-1	40	1.97**	
0	70	2.01**	
1	-25	1.87*	
2	-19	1.53	
3	-10	.092	
4	9	.024	
5	17	1.65*	
*Significant at 10%			
**Significant at 5%			
***Significant at 1%			

\*Significant at 1%

As far as the statistical significance of average change in volume is concerned, it was statistically significant at least at 10% level of significance for 26 days during the window period which include 10 days after the event. The average change in volume is statistically significant at 5% level of significance for 17 days and it is statistically significant at 1% level of significance for 3 days. The data for average change in volume and t-test is given in table 3 for -5 and +5 days around the event.

#### FINDINGS AND CONCLUSION

The analysis of share split and its impact displays different results around announcement date and around execution date. The result shows that around the announcement date of share split the returns are positive and statistically significant. The volatility and volume are also higher and statistically significant around the announcement date.

Whereas after the announcement date the returns are slightly positive but are not statistically significant. The shares remain volatile after the event and are statistically significant also. As far as volume after the announcement date is concerned it is significant only for 5 days. So we can conclude that the returns, volatility and volume are positive and statistically significant around the announcement date but these variables are less significant after the announcement date.

At the execution date the returns are statistically insignificant. The AAR turns statistically significant and becomes negative after the execution date. The pattern followed by volatility and volume is same as was at the announcement date. There is huge volatility and volume around execution date, which is statistically significant also. The volatility and volume decreases after the date of execution of share split.

The analysis suggest that the announcement of a share split often leads to increased investor interest and positive abnormal returns in the short term, suggesting that the market perceives this

ISSN: 2249-7137 Vol. 15, Issue 7, July, 2025 A peer reviewed journal SJIF 2022 = 8.252

corporate action as positive news. Whereas once the news of share split is announced the impact disappears around execution date. In addition, the increase in the volume at both announcement and execution dates provides supportive evidence for the liquidity hypothesis of share splits.

The results of this study support the established theories that share splits send positive signals to the market and improve share liquidity, aligning with previous empirical research. Essentially, the findings suggest that share splits are not just a cosmetic change, but they do have a noticeable impact on market perception and trading dynamics.

The newly presented evidence suggests that share splits are not efficiently priced in the market, contradicting the semi-strong form of market efficiency. This means that the market, while incorporating all publicly available information, does not fully reflect the implications of share splits, potentially creating opportunities for investors to profit.

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