A Brief Overview of Bcg Growth-Share Matrix

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ABSTRACT:

A strategic management tool created by the Boston Consulting Group in the 1970s is the BCG Growth-Share Matrix, commonly referred to as the Boston Consulting Group Matrix. Based on their respective market shares and market growth rates, this matrix categorizes the product or business unit portfolio of an organisations. The matrix is divided into four quadrants, each of which represents a distinct strategic impact on the organisations: Stars, Cash Cows, Question Marks, and Dogs. Stars are goods or services with a high potential for growth and market share, Cash Cows are those with consistent cash flow, Question Marks are goods or services with a hazy market position, and Dogs are goods or services with a poor potential for growth and market share. Using the BCG Growth-Share Matrix, managers may optimize their portfolios and promote long-term performance by making well-informed choices regarding resource allocation and strategic goals. The matrix does, however, have several drawbacks, such as simplicity and the omission of other significant aspects influencing strategic choices. Despite this, the BCG development-Share Matrix continues to be a useful tool for strategic planning across a range of sectors, offering insightful data about an organization's competitive position and development prospects.

KEYWORDS:

Business, Matrix, Market, Products, Strategic.

I. INTRODUCTION

The Boston Consulting Group Matrix, often known as the BCG Growth-Share Matrix, is a popular strategic management tool that aids companies in understanding their product or service portfolio. The matrix, which was created by the Boston Consulting Group in the early 1970s, gives a visual depiction of the products or business units of an organisations based on their rate of market growth and relative market share. The BCG Growth-Share Matrix helps managers make decisions on the allocation of resources and investment priorities by giving them a clear visual representation of the strategic position of their portfolio. Businesses may create suitable strategies to maximize their overall performance and attain a balanced portfolio by knowing the various categories. We examine the underlying ideas, uses, and constraints of the BCG Growth-Share Matrix. We also provide instances from the business sector of how companies have used the matrix to decide strategically and optimize their product or business unit portfolios. The BCG Growth-Share Matrix is still a useful tool for strategic planning and resource management as businesses continue to navigate a competitive and dynamic market environment. The simplicity and efficiency of the BCG Growth-Share Matrix in evaluating an organization's product or business unit portfolio led to its enormous adoption. Managers may rapidly determine which goods or units call for strategic emphasis and budget allocation thanks to its visual portrayal and straightforward classification. Numerous companies have benefited from the strategic insights provided by the matrix in deciding where to invest, sell assets, or keep their current services[1], [2].

The BCG Growth-Share Matrix's capacity to incite important conversations among management teams is one of its main features. Managers must examine future growth possibilities, competitive dynamics, and a product's or unit's performance in the market when determining where to position them in the matrix. The competitive position of the organisations and the overall industrial environment are better understood thanks to this procedure. The BCG Growth-Share Matrix has drawn criticism for oversimplifying difficult strategic concerns, too. Some contend that depending exclusively on market growth rate and relative market share may ignore other important variables that have an influence on the success of a product or business unit. Because market dynamics may change quickly, making predictions about the future merely based on existing data may not be accurate. Additionally, possible synergies between products or divisions within a company's portfolio are not taken into account by the BCG Growth-Share Matrix. The success of the organisations as a whole may be enhanced by some products or organizational units participating in a larger ecosystem in ways that are not immediately apparent from the matrix[3], [4].

Despite these drawbacks, managers may still quickly assess the strategic position of their portfolios using the BCG Growth-Share Matrix, which is a useful tool. The matrix may provide a more thorough picture of an organization's competitive advantage and development potential when used in combination with other strategic frameworks and analytical techniques. The BCG Growth-Share Matrix is still a useful and popular tool in strategic management, to sum up. For many organisations, it is a crucial step in the decision-making process because of its basic approach and capacity to expose development prospects and constraints. Managers may create well-informed plans to promote development and success in today's changing corporate environment by fusing the insights from the matrix with a more comprehensive strategic analysis.

II. DISCUSSION

Bruce Henderson, the creator of the Boston Consulting Group in Boston, Massachusetts, revealed a revolutionary four-cell matrix in the late 1960s that would have a significant impact on how businesses manage their business units and product lines. This matrix, which provides a composite perspective of the competitive position of each business unit or product line inside a firm, was developed to help businesses examine the competitive position of their business units and product lines in relation to their market share and growth. Furthermore, it offers senior management a framework for evaluating the relative positions of each business unit and product line to decide how to allocate or reallocate resources. Corporations must evaluate their business units and product lines—basically, their company portfolios—in order to apply the matrix.

The matrix, which ruled the corporate world for two decades and is still used by Fortune 500 businesses today, significantly improved strategic planning. In the 1970s and 1980s, market analysis was dominated by what came to be known as the "Boston Consulting Group (BCG) Growth Share Matrix," which recast senior managers as internal bankers, reframed product lines and business units as investments, and labelled the product lines or business units themselves as "stars," "cash cows," "question marks," or "dogs," depending on how much of the corporation's initial investment they returned. The hypothesis holds that when these creatively named organisations were well-balanced within a company's portfolio, a maximum return on investment was not only possible, but also an unavoidable result. In addition to providing a glimpse of the product line's or business unit's present competitive position, the BCG Growth Share Matrix also offered the analytical framework to project where they would go. This article presents the Boston Consulting Group Growth-Share Matrix, the well-known stars, cash cows, dogs, and question marks, as well as offering some general observations on its current use. This item analyses the matrix and its management implications after providing a historical history of its creation by Bruce Henderson[5], [6].

Boston Consulting Group (BCG) created the BCG Growth-Share Matrix, sometimes referred to as the Boston Matrix, as a strategic management tool in the 1970s. It offers a framework for evaluating a company's assortment of goods or divisions of operations in light of market share and growth rates. These goods or units are divided up into four groups by the matrix: Stars, Cash Cows, Question Marks, and Dogs. Stars are goods or business units that have both a high relative market share and a high market growth rate. They have the potential to eventually provide large earnings and income. Stars need significant financial support to maintain their development and market supremacy. Businesses should put their attention on developing stars and investing resources to promote their growth. The goal is to make stars into the next category in the matrix, which are cash cows [7], [8].

Cash cows are goods or company divisions that have a large relative market share but a low market growth rate. They have developed a solid market position and produce significant earnings and cash flow. Cash cows are seen as dependable and consistent sources of income, hence they need very little capital. For cash cows, maximizing cash flow and profitability is the main goal, as well as making use of the surplus resources produced to assist other parts of the company. Question marks are goods or business units with a strong market growth rate but a low relative market share. They are sometimes referred to as problem children or wild cards. They may someday fall out of favor or have the potential to rise to stardom. To ascertain the future of question marks, considerable thought and investment choices are necessary. Businesses should assess the viability and growth prospects of question marks before making a strategic decision on whether to invest in them to expand their market share or to sell if there is a doubt about their capacity to grow.

Dogs are a product or business unit that has a low relative market share and a poor market growth rate. They don't have a strong cash flow or a dominating position in the market. Usually, dog markets are in decline or are very competitive. Businesses should reevaluate the marketability of dogs and decide if it would be better to take steps to strengthen their position or completely quit the market. Effective dog management is essential to reducing losses and reallocating resources to the business's more promising divisions. Organisations may evaluate their portfolios and make educated strategic choices with the aid of the BCG Growth-Share Matrix. The matrix offers insights into goods or business units' potential and demands for resource allocation by classifying them according to their market growth rate and relative market share. It lets businesses to properly manage resources, balance risks and opportunities, and order investments to promote development and profitability. To make thorough and informed judgements, it is crucial to keep in mind that the matrix is a simplification of the complicated reality of company dynamics and should be used in combination with other strategic tools and studies[9], [10].

Fundamentals

When Mead Paper Corporation engaged the Boston Consulting Group to create an acquisition strategy, the BCG Growth-Share matrix was first created. Mead Paper had 45 operational divisions and six product groups at the time, but it lacked a management plan for the business units and a way to identify which product lines or business units were losing money. General Electric (GE) and other significant American businesses at the time were looking for fresh tools and approaches for strategic planning. Thoughts, methods, and definitions related to strategic planning were the main emphasis of GE's strategy.They were able to establish distinct product markets as a consequence of their emphasis, and they came up with the phrase "strategic business unit" (SBU). Prior to the portfolio-planning matrix technique, capital budgeting was often utilised in a corporation's strategy to assess returns on investments. The approach of capital budgeting was first used in corporate finance in 1951 to assess the value of a corporation's long-term assets.

The BCG Growth-Share Matrix is built on the idea that an organisation should have a variety of product lines and business units with various growth rates and market shares. The proper ratio of high- and low-growth goods will balance cash flows throughout the portfolio of the business, ensuring its success. Managers may evaluate existing product lines and business units in their company's portfolio based on market growth rate and market share using the matrix itself. Additionally, it offers a structure for allocating resources among the many product lines and business divisions.The BCG Growth-Share Matrix is based on the idea that a product's market share or rate of market expansion determines how much it helps the firm. According to the BCG Growth-Share Matrix, a product's cash flow is influenced by four rules:

(1) Market share determines margins and cash generated.
(2) Growth requires additional resources to acquire more assets.
(3) Market share is earned or bought.
(4) A product line's growth cannot continue indefinitely.

An expanding market is desirable, which is one of the fundamental presumptions in the BCG Growth-Share Matrix.According to the growth rate of the industry in which a company competes and its relative market share, a corporation's products or business units are plotted in one of four quadrants on the BCG Growth-Share Matrix. The proportion of a business unit's product sales that have increased or market growth is the basis for calculating the business growth rate. The matrix's vertical (y) axis shows the market growth rate over the following five years as a percentage.On a linear gradation. The horizontal (x) axis is used to depict the business division or product line of an organisations.This reflects the market share split by its main rival. For instance, if Company A has 15% of the market share and Company B, its biggest rival, has 40% of the market share, Company A's market share as a percentage of Company B is 37%, or.37. In a different example, if Company A has 40% of the market share and Company B has 15% of the market share, Company A's market share is 266%, or 2.6.

According to this equation, the market leader is the one with a market share of at least 1.0. On the other side, a product line or business unit with a relative competitive position under 1.0 is referred to as a "dog".A circle is used to depict a company's business units or product lines; the size of the circle indicates the proportional significance of each business unit or product line to the firm in terms of assets utilised or revenues produced. Four kinds of business units or product lines may appear in the corporation's portfolio once the business units or product lines of the firm have been plotted on the BCG Growth-Share Matrix: stars, cash cows, question marks, and dogs round out the list. Stars, which are often business units or product lines at the top of their life cycle and that have significant growth and high market share, are located in the upper left quadrant of the matrix.

As market leaders, they often need a lot of money to stay competitive, but they should also make a lot of money because of their position. Stars should be given more resources if required to protect their present market share because, so long as their market share is held, they will ultimately turn into cash cows. Cash cows, or low-growth, high-market-share items, are located in the bottom left quadrant and serve as the portfolio's cornerstone. Cash cows should produce significantly more money than is necessary to keep their market share. As a consequence, low-growth markets are created where more investment is unnecessary. As the life cycle of these items shortens, they should be "milked" for money, and the corporation should put those funds into ambiguous products. Question marks, often known as "problem children" and "wildcats," are items with strong growth and low market share that are located in the upper-right quadrant. Products with a question mark next to them are very hazardous and expensive to create in the hopes that they will someday take over enough of the market to become a household name. Question marks will ultimately turn into dogs when businesses are unable to raise their market shares for them and future growth is halted.

Dogs, a product with low growth and market share, are located in the bottom right quadrant. Being in an uninteresting business causes dogs to often have limited potential. The company's management should limit the number of canines in its portfolio by offloading them and properly managing the ones that are left. These forecasts of market growth and market share may be used by senior management of a firm to maintain a balanced portfolio. The company's strategy objective is to maintain a balanced portfolio so that it always has cash on hand, to continuously milk its mature goods, and to always look to create new products and markets.

Importance

A financial slump that was sparked by the oil crisis, inflation, and growing worldwide competition in the 1970s put many U.S. businesses in a difficult position. Many firms were looking for ways to cut costs and strategies to utilise the little resources they had because of the economic crisis.The difficulties of handling varied goods across diverse sectors were also being faced by numerous firms as they became larger and more diversified. Senior managers searched for a solution to coordinate the operations of their business units and product lines in light of these difficulties since the prior approaches didn't seem to be working.By allocating resources across various product lines and business divisions, the BCG Growth-Share Matrix provided businesses with a framework for developing strategies to navigate this uncharted environment.

There are critics of the BCG Growth-Share Matrix. Its

(1) Limited scope.
(2) Fundamental presumptions.
(3) Definitions.
(4) Political process and application of following plans.
(5) Operationalization of the strategic pronouncements are its key complaints.

The BCG GrowthShare Matrix's simplicity and restricted scope have been criticized as weaknesses. Four cells may not be enough, according to some, to accurately depict competitive positioning or market attractiveness. Others contend that the industry's attractiveness is only determined by growth rate, which may overstate the significance of market leadership and share. Given that there isn't always a clear correlation between market share and profitability, this focus might be problematic. Additionally, its central tenet that market share is always desirable has come under fire. SomeCritics point out that a product with a low market share in a failing sector might, in fact, be highly profitable in other circumstances, such as stable and predictable niche markets.Profitable. As an alternative, businesses could decide to retain dogs since that product line might serve as a deterrent to rivals. The criteria employed in the BCG Growth-Share Matrix have also drawn criticism, which may have contributed to the challenges businesses already have in appropriately identifying product lines and relevant market share. The BCG GrowthShare Matrix has also come under fire for failing to take the political/implementation process into consideration.

Critics claim that this poses a serious risk since the unit managers could see any change as a threat or a chance to manipulate the perceived market share for their own benefit.The BCG Growth-Share Matrix has drawn criticism for the challenges associated in operationalizing terms like "harvest" and "milk." Despite these critiques, the BCG Growth-Share Matrix's principal strength is that it gives senior management a straightforward analytical tool based on a single parameter, market share, as the key sign of the competitive position of the company's business unit or product line.Although the usage of portfolio analysis has declined since the 1970s and 1980s, when it peaked, big firms were using no less than five different variations of the portfolio-planning matrix, the BCG Growth-Share Matrix still has a substantial overall impact. It is still extensively utilized by Fortune 500 companies to design cash flow management strategies more than 40 years after its debut, and it is often taught in business schools all across the nation. The model's long-term durability is guaranteed by the visual representation of a specific company's financial prospects and problems, relative simplicity of use, and plain capacity to help firms decide quickly how to allocate resources.

III. CONCLUSION

For many years, the BCG Growth-Share Matrix has served as a key strategic management tool, helping organisations understand their product or business unit portfolio and make defensible resource allocation choices. Managers have been able to swiftly evaluate the strategic position of their services and pinpoint opportunities for expansion and development because to its straightforward and obvious visual portrayal.Based on market growth rate and relative market share, the matrix is divided into four unique quadrants, which offers important insights into the strategic implications of each product or unit. Investment in Stars may be prioritised in order to foster their development potential, while Cash Cows can be used to provide consistent cash flow. Question Marks should be carefully evaluated for potential in the future, while Dogs with little possibilities may be considered for divestiture or restructuring.

Large organisations with a variety of product lines or business divisions have found the BCG Growth-Share Matrix to be very helpful in achieving a balanced portfolio and coordinating their strategic goals. The examination of the matrix must be supplemented, however, by a deeper comprehension of market dynamics, consumer preferences, the competitive environment, and technology changes.A cautious use of the BCG Growth-Share Matrix in combination with other analytical tools and frameworks is also required due to its shortcomings, including its dependence on historical data and simplifying of complex strategic concerns. To avoid making judgements purely primarily on the classification of the matrix, organisations should take into account the wider context and extra elements that affect their strategic decisions.Overall, when utilised wisely, the BCG Growth-Share Matrix remains a useful and relevant strategic management tool. It is a crucial step in the decision-making process since it may provide a picture of an organization's portfolio and highlight areas for strategic attention. Organisations can be flexible and adaptable in a changing business environment, maximising their potential for development and long-term success. This is done by fusing the insights from the matrix with a deeper examination of market trends and client demands.

REFERENCES

[1] A. Hanlon, “How to use the BCG Matrix - Smart Insights Digital Marketing,” *Smart Insights*. 2019.

[2] M. Hensmans, “A new matrix for building platform portfolios: how companies can sustain their leadership,” *J. Bus. Strategy*, 2019, doi: 10.1108/JBS-08-2019-0162.

[3] B. Kołodziejczyk, P. Mielcarz, and D. Osiichuk, “The concept of the real estate portfolio matrix and its application for structural analysis of the Polish commercial real estate market,” *Econ. Res. Istraz.* , 2019, doi: 10.1080/1331677X.2018.1556110.

[4] F. S. Puteri, S. Nuringwahyu, and D. Krisdianto, “Matriks Boston Consulting Group (BCG) sebagai Dasar Perencanaan Strategi Perusahaan (Studi Kasus pada PT. Matahari Department Store Tbk),” *Jiagabi*, 2019.

[5] L. C. Seng, “Organizational Business Strategy : a Case Study of Phhp Marketing in Malaysia,” *Zenodo*. 2019.

[6] A. P. Yakup, “Analisis Potensi Sektor Ekonomi sebagai Penunjang Pertumbuhan Ekonomi Kabupaten Boalemo,” *Gorontalo Dev. Rev.*, 2019, doi: 10.32662/golder.v2i2.555.

[7] N. M. Suwijati, “The Contribution Analysis of Online and Offline Travel Agent in Increasing Room Occupancy,” *J. Bali Membangun Bali*, 2019, doi: 10.51172/jbmb.v2i2.40.

[8] M. Wagner and A. Zeileis, “Heterogeneity and Spatial Dependence of Regional Growth in the EU: A Recursive Partitioning Approach,” *Ger. Econ. Rev.*, 2019, doi: 10.1111/geer.12146.

[9] C. M. B. D. Rina Adi Kristianti, “Analisis Strategi Bisnis Pt. Xyz Untuk Berkembang Dalam Industri Saas,” *J. Manaj. Bisnis dan Kewirausahaan*, 2019, doi: 10.24912/jmbk.v2i5.4889.

[10] S. Coufal *et al.*, “Inflammatory bowel disease types differ in markers of inflammation, gut barrier and in specific anti-bacterial response,” *Cells*, 2019, doi: 10.3390/cells8070719.