MASTERING STRATEGIC COST MANAGEMENT

MAXIMIZING EFFICIENCY AND VALUE CREATION

Dr. N. Das Mohapatra

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CHAPTER 1

NATURE AND SCOPE OF MANAGEMENT ACCOUNTING

Dr. N. Das Mohapatra, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology,
Uttar Pradesh, India.
Email Id-neel@muit.in

ABSTRACT:

Management accounting, an indispensable facet of contemporary business operations, plays a pivotal role in assisting organizations in decision-making, planning, and control processes. This abstract delves into the intricate dimensions of management accounting, elucidating its nature and expansive scope within the realms of modern business management. By analyzing its fundamental principles, techniques, and objectives, this abstract aims to provide a comprehensive understanding of the essence of management accounting and its significance in today's dynamic business environment. The nature of management accounting encapsulates its multifaceted role in facilitating internal decision-making processes within organizations. Unlike financial accounting, which primarily focuses on historical financial data reporting, management accounting adopts a forward-looking approach by providing valuable insights into future prospects and aiding managerial decision-making. It encompasses a diverse array of tools and techniques tailored to meet the specific needs of managers, such as cost-volume-profit analysis, budgeting, variance analysis, and performance measurement systems. Through the synthesis of financial and non-financial information, management accountants generate timely and relevant data to support strategic planning, resource allocation, and performance evaluation initiatives.

KEYWORDS:

Accounting, Activity-Based Costing, Agile Cost Management, Alignment, Analytics, Automation.

INTRODUCTION

The terms "management" and "accounting" make up management accounting. It is the study of accounting's management aspects. The focus of management accounting is to restructure accounting such that it supports organizational management in formulating policies, overseeing their implementation, and evaluating their efficacy. It is the accounting system that makes management's job easier and more efficient. A group of accountants traveling to the United States in 1950 under the sponsorship of the Anglo-American Council on Productivity coined the phrase "management accounting." Prior to the research group's report, the realm of management accounting was not mentioned in the vocabulary of cost accounting. The planning, coordinating, and regulating of management tasks now need the use of management accounting due to the complexity of the company environment[1], [2].

A small business with a distinct local flavor is often run by the proprietor. The owner organizes and oversees the operations personally and is aware of how the business is run on a daily basis. The compilation of a balance sheet and profit and loss account is made possible by the use of basic accounting, which is necessary for evaluating the enterprise's financial status and calculating profitability. Simple financial accounts suffice to meet all management information demands. The owner feels that no communication system is necessary since he is the one who makes and implements the choices, and no further information is needed for

management objectives. The separation of ownership and management and large-scale manufacturing are outcomes of the emergence of the joint stock company type of organization.

The segmentation of an organization into functional areas, the delegation of power, and the decentralization of decision-making are all results of the advent of professionalism in management. Making decisions is no longer only based on intuition. Information systems must advance in order to support management in organizing and evaluating the outcomes. The accounting data is needed to serve as a reference in the future. To allow the management to carry out its duties successfully and efficiently, it must be provided with accurate and pertinent information[3], [4].

The process of finding, measuring, analyzing, evaluating, and providing managers with financial information so they may make wise managerial choices for accomplishing the objectives of the company is known as management accounting. Helping internal users make well-informed management choices is the main goal of management accounting.Stated differently, management accounting focuses on information presentation that facilitates management decision-making.

Management prefers to use information as the foundation for its policy choices, and the information should be presented in a way that meets management demands. This concept places a strong focus on information display; information acquisition is beyond its scope. Making reports on company operations is the procedure that assists managers in making both immediate and long-term choices. By identifying, measuring, analyzing, evaluating, and providing management with information, it aids a firm in achieving its objectives.

It supports decision-making by firm management. Management Accounting is concerned with accounting information that is useful to management," states Robert N. Anthony. Anthony connects accounting information and management's use of it with management accounting. It is important to gather, compile, and present financial data to management in a manner that makes it useful for addressing a range of issues. Management Accounting is the presentation of accounting information in such a way as to assist management in the creation of policy and the day-to-day operation of an undertaking," according to the Anglo-American Council on Productivity. The adaptation, analysis, diagnosis, and justification of accounting data in a manner that supports management is known as management accounting, according to T.G. Rose. This definition states that management accounting modifies financial data. The way that the data is chosen, categorized, and analyzed aids management in doing several tasks in an organized and effective manner. Providing explanations and details enhances the usefulness of the material[5], [6].

Management accounting's goals

Enabling management to maximize profits or minimize losses is the main goal of management accounting. This is accomplished by presenting the statements in a manner that enables management to make informed policy choices. The goals of management accounting are as follows:

Planning and Policy Formulation

The goal of management accounting is to provide the management with the information they need to create plans. Making choices for the future is basically what planning is all about. It also entails goal-setting, predicting, and choosing between several courses of action. A management accountant creates forecasts for the future and accounts of previous

performance. In addition, he evaluates the different facts and expresses his choice for a certain course of action. Management is assisted in planning and policy creation by the information provided and the management accountant's viewpoint.

Beneficial for Performance Control

Management accounting tools such as budgetary control and standard costing are beneficial for performance control. The task is broken up into several units, each of which has its own set of objectives. Each unit assigns a specific individual to be responsible for its performance. The relevant individuals are also given the necessary authorization to do the task. Predefined goals are contrasted with the actual outcomes.

The management may identify the deviations and implement the required corrective actions. The task of creating objectives and budgets falls to several department heads. In addition to serving as a liaison between various divisions, the management accountant keeps an eye on performance and reports it to upper management. With the use of management accounting tools, the management is able to oversee each employee's performance.

Beneficial for Organizing

Organizing is associated with the development of relationships between various parties involved in the matter. It also covers assigning responsibilities and delegating power. The creation of cost centers, budgetary planning, cost control account preparation, and assigning of responsibilities for various tasks are all related to management accounting. Establishing an organizational structure that is both successful and efficient benefits from all of these factors.

Beneficial for Interpreting Financial Data

The primary goal of management accounting is to provide management with readily comprehensible financial data. Because financial data is technical in nature, management staff members may not be able to comprehend the relevance and usefulness of different financial figures.

The management is given a straightforward explanation of these statements by the management accountant. To make the material easy to understand, he employs statistical tools such as charts, diagrams, index numbers, etc. as needed.

Employee Motivation

Management accounting assists management in determining the most effective ways to carry out tasks. There are set goals for the staff. They are driven to accomplish their goals, and they could get rewards in the future for raising their level of performance[7], [8].

Useful for Decision-Making

The management must make a number of crucial choices. It could be necessary to make a choice about the diversity or growth of output. It can come down to the introduction of the newest technical gadgets or the substitution of labor with machines. A management accountant evaluates the financial ramifications of different options and compiles a report on their viability. The accountant's knowledge aids management in choosing the best course of action and making informed judgments.

Reporting to Management

Keeping management fully informed about the most recent state of the company is one of management accounting's main goals. This supports management in making appropriate

choices on time. Regular financial and other reports are sent to the management to keep them informed. Top management is also routinely informed on the performance of several departments.

Aids in Coordination

Management accounting offers instruments that aid in coordinating the operations of several divisions or departments. Functional budgeting is the method used for coordination. The management accountant coordinates and balances the efforts of many departments.

Beneficial for Tax Administration

Every day, the intricacies of the tax system grow. Assessing different tax obligations and accurately paying taxes with the relevant authorities are made easier with the aid of management accounting. Separate tax regulations require the filing of separate tax returns. The management accountant provides advice and direction for the administration of taxes.

DISCUSSION

Because management accounting gives managers access to pertinent financial data, it is essential to an organization's decision-making processes. Its multifarious nature includes a range of tasks and operations meant to support management control, planning, and decision-making. We go into the complex nature of management accounting in this extensive talk, going over its core ideas, goals, methods, and tools as well as its development and modern uses.

The creation, evaluation, and interpretation of financial and non-financial data to assist internal management procedures is the fundamental focus of management accounting. Management accounting serves the internal requirements of managers and executives, as opposed to financial accounting, which is mostly concerned with reporting financial performance to external stakeholders. Its main goal is to support the development and execution of organizational initiatives by providing relevant and timely data for performance evaluation, management, and planning[9], [10].

The prospective outlook of management accounting is one of its main characteristics. Management accounting places a strong emphasis on predicting and estimating future outcomes based on previous and present performance, while financial accounting mainly deals with historical financial data. Managers may foresee obstacles, spot opportunities, and create proactive plans to accomplish corporate objectives by using this forward-thinking approach. Furthermore, the flexibility and adaptability of management accounting are its defining characteristics. It acknowledges that various companies, depending on their size, structure, industry, and strategic goals, have varying information needs. Because of this, management accountants use a range of instruments and strategies that are adapted to the unique requirements of every company. These might involve, among other things, activity-based costing, variance analysis, budgeting, cost-volume-profit analysis, and strategic performance monitoring.

A subset of management accounting called cost accounting is very useful for revealing information about an organization's cost structure. Cost accounting assists in evaluating profitability, pricing choices, and cost management strategies by precisely assigning and apportioning costs to goods, services, divisions, or activities. Management accountants can pinpoint costs and maximize resource use by using methods including task costing, process costing, and activity-based costing. Moreover, management accounting includes non-financial performance measurements in addition to financial data. This all-encompassing

strategy acknowledges the role that several elements have in propelling the success of a firm, including environmental sustainability, employee morale, innovation, and consumer happiness. Key performance indicators (KPIs) and balanced scorecards are often used to track and assess performance along several dimensions, in line with the strategic goals of the company.

The shifting demands and dynamism of contemporary corporate settings are reflected in the development of management accounting. Once primarily concerned with determining and controlling costs, management accounting has expanded to include a wider variety of tasks, including as risk assessment, strategy planning, and performance review. This progress has been facilitated by globalization, technological breakthroughs, evolving customer demands, and regulatory changes. As a result, management accountants must constantly innovate and adapt. Management accounting is an essential tool for strategic decision-making in modern company environments. Management accountants help managers make educated decisions by assessing possible consequences, evaluating alternative courses of action, and delivering accurate and timely information. Effective resource allocation and shareholder value maximization may be achieved via the use of management accounting, whether in the form of capital budgeting choices, investment analysis, or strategic pricing initiatives.

Furthermore, by creating benchmarks, defining goals, and comparing actual performance to predetermined criteria, management accounting supports performance assessment and control. Managers may find deviations from intended targets and take appropriate remedial action by using variance analysis and performance reporting. This feedback loop improves organizational performance and efficiency while facilitating continual development. Professional standards and ethical issues are part of the essence of management accounting. Management accountants are required to behave themselves in a professional manner that upholds the values of impartiality, competence, secrecy, and integrity as they are entrusted with sensitive information. In a variety of situations, including revenue recognition, cost allocation, and disclosure procedures, management accountants must make moral decisions and use sound judgment[11], [12].

Furthermore, the complexity and variety of management accounting techniques have expanded as a result of economic internationalization. Multinational companies operate in a variety of cultural, legal, and economic contexts, which calls for a sophisticated knowledge of regional customs and laws. The nature of management accounting is dynamic and multifaceted, encompassing a wide range of functions, tools, and techniques aimed at supporting managerial decision-making processes. Some of the areas where management accountants play a critical role in ensuring compliance and optimizing financial performance across borders are transfer pricing, currency risk management, and international taxation. The tool's versatility, forward-looking outlook, and focus on both financial and non-financial performance measurements make it invaluable in navigating the intricate workings of contemporary company settings. In order to achieve strategic success and long-term development, management accounting will probably continue to play a crucial role as businesses develop and adjust to shifting market circumstances.

The following is a discussion of management accounting's nature:

Application of Unique Methods and Ideas:

Specialized methods and ideas are used in management accounting to increase the utility of accounting data. Typical methods include project evaluation, control accounting, standard costing, budgetary control, marginal costing, and financial planning and analysis. The kind of approach to be used will depend on the requirements and circumstances.

Making Significant Choices:

Making a number of crucial judgments is aided by management accounting. It provides the management with the information they need so they may make choices based on it. The previous data is examined to see whether it might influence choices made in the future. When making significant judgments, the effects of several alternative options are also considered.

Fulfillment of Goals:

Accounting data is utilized in management accounting to support the accomplishment of organizational goals. Historical information is utilized to create strategies and establish goals. The management will get better understanding of the performance of different departments by documenting actual performance and comparing it with desired performance. Corrective action may be taken immediately if there are discrepancies between the performance criteria stated and the actual performance of different departments. Standard costing and budgetary management make all of this feasible.

No Set Rules Were Obeyed:

Certain guidelines are adhered to in financial accounting in order to prepare various accounting statements. In contrast, management accounting does not adhere to any set of norms. Even though management accounting has the same tools, each concern uses them differently. The individual using the data determines how it is analyzed. The management accountant's intellect is also a factor in the findings drawn. Each issue makes use of the s in a unique manner. S will be presented in a manner that best addresses the issue at hand. As a result, each concern has its own guidelines and standards for data analysis.

Enhanced Productivity:

The goal of employing accounting data is to boost the company's productivity. The establishment of objectives for every department may help to increase efficiency. The management will be able to identify areas of efficiency and inefficiency thanks to the performance assessment. An attempt is made to implement remedial actions in order to increase efficiency. The personnel will become cost-conscious as a result of the ongoing examination of work. All will attempt to exert control over their own portion.

Provides data rather than making a decision:

The management receives information from the management accountant. The senior management is responsible for making the choices. The information is categorized according to the management's requirements. The role of a management accountant is to advise, not to make decisions. The management will utilize the data to make a number of choices. The quality and effectiveness of the management will determine how the data is used.

Affected by Forecasting:

The future is an issue of management accounting. It aids in predicting and planning for the management. Future course of action is planned using the past data. The purpose of the information provided to management is to help them make choices in the future.

Management accounting's range

In order to assist managerial decision-making processes, management accounting comprises a wide range of operations, activities, and strategies that provide pertinent financial and non-financial information. In this thorough conversation, we examine the many facets of management accounting, including its applications in many fields and industries and its

function in planning, controlling, decision-making, performance assessment, and strategic management. The primary focus of management accounting is to support managers in organizing and directing organizational operations in order to accomplish certain goals and objectives. To steer the company toward its objectives, planning include creating strategies, action plans, and objectives. By providing financial predictions, budgeting estimations, and performance objectives based on analysis of historical and current data, management accountants play a critical role in this process. They assist in decision-making and resource allocation by using tools like forecasting, budgeting, and strategic planning models.

Another crucial component of management accounting is control, which focuses on tracking, gauging, and assessing performance in relation to preset benchmarks or standards. Management accountants create performance metrics and control systems to make that organizational actions match strategic goals and that resources are used effectively. Techniques like variance analysis, key performance indicators (KPIs), and balanced scorecards are often used to evaluate performance, spot discrepancies, and, if needed, start corrective action. A key component of management accounting is decision-making, which entails weighing several courses of action and choosing the best one to accomplish organizational objectives. Using risk assessment models, capital budgeting strategies, and cost-benefit analyses, management accountants assist with decision-making. They assess the financial ramifications of various alternatives, taking into account variables like expenses, earnings, profitability, and risk exposure, in order to assist managers in making well-informed choices that optimize value for the company.

Another important aspect of management accounting is performance assessment, which evaluates the efficacy and efficiency of organizational procedures and activities. To assess the accomplishment of operational goals and strategic objectives, management accountants provide metrics and frameworks for performance assessment. They pinpoint areas of strength and weakness by contrasting actual performance with anticipated results. This enables managers to make necessary corrections and gradually enhance organizational performance. A growingly significant aspect of management accounting is strategic management, especially in the fast-paced, cutthroat corporate world of today. Management accountants provide insights into market trends, competitive analysis, and industry dynamics, which aid in strategic decision-making processes. To assess the possible effects of various strategic choices and provide guidance for the development and application of organizational strategies, they carry out strategic cost analysis, scenario planning, and sensitivity analysis.

The field of management accounting encompasses non-financial dimensions of performance, including social responsibility, employee engagement, environmental sustainability, and customer satisfaction, in addition to standard financial indicators. To provide a more complete picture of organizational performance, management accountants create performance assessment frameworks that include both financial and non-financial variables. Tools used to evaluate and track non-financial performance indicators include social impact evaluations, sustainability reporting, and balanced scorecards. The range of specialized fields and sectors that fall within the purview of management accounting each have their own set of needs and difficulties. To improve cost competitiveness and streamline manufacturing processes, management accountants in manufacturing organizations concentrate on inventory control, production planning, and cost management. To optimize revenue production and profitability in the service industry, management accountants place a strong emphasis on client profitability analysis, capacity utilization, and revenue management.

The public sector also uses management accounting extensively, and it is essential to accountability, performance management, and resource allocation there. Government

organizations use management accounting strategies to improve the efficacy and efficiency of public services and initiatives, including performance budgeting, activity-based costing, and program assessment. In a similar vein, non-profit organizations depend on management accounting to monitor impact, allocate resources efficiently, and maintain responsibility to stakeholders and contributors. The field of management accounting is constantly changing to meet the demands of stakeholders, globalization, laws, and technology. Information technology advancements have made it possible for management accountants to gather, process, and share information more effectively, enabling real-time decision support and performance monitoring. Compliance management and risk mitigation are now included in the scope of management accounting due to regulatory developments including the adoption of international accounting standards and stricter disclosure requirements.

CONCLUSION

Planning, controlling, and decision-making are just a few of the functional areas that management accounting touches on in a company. During the planning stage, management accountants work with stakeholders to create forecasts, budgets, and strategic plans that support corporate goals. Through the analysis of cost structures, market dynamics, and industry trends, they aid in the development of strategies that improve sustainability and competitiveness. In addition, management accountants are essential in the distribution of resources because they can find more affordable options, maximize the use of resources, and assess investment prospects using methods like risk analysis and capital budgeting. Within the control domain, management accounting makes it easier to track and assess how well a company is doing in relation to preset objectives and standards. Management accountants monitor operational efficiency, cost effectiveness, and revenue generating measures via the use of performance measurement systems, such as balanced scorecards and key performance indicators (KPIs). They help management take corrective action and realign operational processes to achieve desired results by recognizing deviations from planned objectives. Furthermore, by implementing internal controls and carrying out audits to reduce risks and protect organizational assets, management accountants help to guarantee compliance with legal requirements and ethical standards.

REFERENCES:

[1] A. Azudin and N. Mansor, “Management accounting practices of SMEs: The impact of organizational DNA, business potential and operational technology,” *Asia Pacific Manag. Rev.*, 2018.

[2] M. R. W. Hiebl, “Management accounting as a political resource for enabling embedded agency,” *Manag. Account. Res.*, 2018.

[3] S. F. Laela, H. Rossieta, S. H. Wijanto, and R. Ismal, “Management accounting-strategy coalignment in Islamic banking,” *Int. J. Islam. Middle East. Financ. Manag.*, 2018.

[4] S. Nielsen, “Reflections on the applicability of business analytics for management accounting – and future perspectives for the accountant,” *J. Account. Organ. Chang.*, 2018.

[5] L. Sedevich-Fons, “Linking strategic management accounting and quality management systems,” *Bus. Process Manag. J.*, 2018.

[6] B. Zyznarska-Dworczak, “The development perspectives of sustainable management accounting in central and Eastern European countries,” *Sustain.*, 2018.

[7] M. Abba, L. Yahaya, and N. Suleiman, "Explored and Critique of Contingency Theory for Management Accounting Research," *J. Account. Financ. Manag.*, 2018.

[8] T. Wnuk-Pel, "Management accounting practices in support of lean management strategy in service organizations," *Eng. Econ.*, 2018.

[9] H. Englund and J. Gerdin, "Management accounting and the paradox of embedded agency: A framework for analyzing sources of structural change," *Management Accounting Research*. 2018.

[10] M. T. M. Albán, "Management accounting strategies applied to smes literary review," *Rev. Lasallista Investig.*, 2018.

[11] S. P. Saeidi, M. S. H. Othman, P. Saeidi, and S. P. Saeidi, "The moderating role of environmental management accounting between environmental innovation and firm financial performance," *Int. J. Bus. Perform. Manag.*, 2018.

[12] M. A. Vakhrushina, E. I. Kostyukova, M. N. Tatarinova, O. V. Elchaninova, and S. V. Grishanova, "Integrated Management Accounting In The Financial Management System," *Res. J. Pharm. Biol. Chem. Sci.*, 2018.

CHAPTER 2

FUNCTIONS, ROLE AND TECHNIQUES OF MANAGEMENT ACCOUNTING

Dr. N. Das Mohapatra, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-neel@muit.in

ABSTRACT:

Management accounting serves as a cornerstone in contemporary business operations, offering invaluable support to decision-makers by providing insights, analysis, and guidance vital for strategic planning and performance evaluation. This abstract navigates through the multifaceted functions, pivotal roles, and diverse techniques employed within the realm of management accounting. By dissecting its core functions, delineating its evolving role in organizational management, and exploring cutting-edge techniques, this abstract endeavors to elucidate the pivotal importance of management accounting in fostering efficiency, innovation, and sustainable growth in modern enterprises.

The functions of management accounting are deeply intertwined with the strategic objectives of organizations, encompassing a spectrum of activities crucial for effective decision-making and performance optimization. Foremost among these functions is cost analysis, which involves the systematic examination of various cost components to ascertain their impact on profitability, pricing strategies, and resource allocation decisions. Through techniques like activity-based costing (ABC) and marginal costing, management accountants dissect cost structures, identify cost drivers, and discern opportunities for cost reduction and efficiency enhancement.

KEYWORDS:

Benchmarking, Budgeting, Business Strategy, Capital Allocation, Change Management, Cloud Computing.

INTRODUCTION

Because globalization has made corporate operations more complicated and has allowed businesses to operate in more regions, it has also had an impact on the breadth of management accounting. International tax planning, currency risk, and transfer pricing are all managed by multinational firms using management accounting strategies to maximize worldwide financial performance and guarantee local regulatory compliance. Furthermore, management accountants are including non-financial criteria into their performance assessment frameworks and reporting procedures due to stakeholder expectations surrounding corporate social responsibility, sustainability, and ethical behavior.

The goal of management accounting is to assist managerial decision-making processes and improve organizational performance via a broad variety of roles, activities, and methodologies. Its scope is extensive. Management accounting is essential for setting strategic direction, allocating resources as efficiently as possible, and accomplishing organizational objectives. It is used in everything from planning and controlling to decision-making and performance assessment.

The field of management accounting is expected to grow as businesses continue to change and adjust to shifting stakeholder expectations and market circumstances. This will spur innovation and value creation in both the public and private sectors[1], [2].

A novel method of accounting is management accounting. Techniques for interpreting accounting data are provided. It also helps in creating a practical strategy for next steps. The primary goal is to support management in its planning, directing, and controlling duties. Numerous areas are connected to management accounting. Cost accounting, budgetary control, materials control, interim reporting, determining the most economical and efficient accounting system, conducting special cost and economic studies, and supporting management in the interpretation of financial data were the main topics of discussion at the Seventh International Conference of Accountants, which was held in Amsterdam in 1957. The following management accounting facts are very important and define the subject's parameters[3], [4].

Financial Accounting

This field of study examines past data. Planning an organization's future course of action might benefit from having its documented facts. Planning is always for the future, but even so, it has to be grounded on current and historical facts. Financial data also forms the basis of the control aspect.

The documented facts and data constitute the basis of the performance evaluation. Thus, there is a direct relationship between financial and managerial accounting.

Cost accounting

This field offers a number of methods for calculating the price of producing goods or rendering services. Financial data is used to determine the cost of certain tasks, goods, or procedures.

The management may plan diverse company operations with the aid of the standard costing, marginal costing, differential costing, and opportunity costing systems. The identification of profitable and non-profitable industrial sectors is another benefit of cost accounting. Creating benchmarks and identifying deviations is how various departments' levels of efficiency are assessed. Therefore, a crucial component of management accounting is cost accounting.

Financial Management

Planning and overseeing the company's financial resources is the focus of financial management. It addresses the acquisition of finances and their efficient use. Its primary goal is to allocate company finances so as to maximize profits.

The importance of finance to corporate endeavors has grown to the point that all management actions are centered around it. Decisions about different propositions are influenced by their financial feasibility. While financial management has become its own specialty, management accounting encompasses and goes beyond financial management operations.

Budgeting and Forecasting

Budgeting is the process of articulating an organization's plans, policies, and objectives for a certain time frame in the future. Various departments have specific goals assigned to them, and accountability for reaching these goals is clearly defined.

The management will get insight into the performance of several departments by comparing actual performance with planned amounts. On the other hand, forecasting is the process of speculating on the future course of a given set of circumstances. While budgeting is an organizational object, forecasting is a judgment call. For management accountants, forecasting and budgeting are helpful tools for organizing a variety of tasks[5], [6].

Inventory Control

Stocks of completed commodities, raw materials, and items during manufacturing are all indicated by inventory. When it comes to accounting and accurately estimating revenue for a certain time period, inventory is quite important. Because inventory management involves big money, it's important. For inventory control, the management should establish several stock levels, such as the minimum, maximum, and reordering levels. Inventory management will aid in reducing product costs. To regulate stockpiles, management will need efficient inventory control. Management will get guidance from management accountants over when, where, and how much to buy. Thus, understanding inventory control will be beneficial while making management choices.

Data Interpretation

The management accountant provides the management with an interpretation of different financial figures. These statements provide insight into the concern's income and financial situation. These claims might be examined by contrasting them with claims made during previous eras or with claims made about related issues.

The management is given a straightforward explanation of the importance of these reports. It is possible to infer incorrect conclusions if the remarks are not correctly comprehended. Thus, interpretation has equal significance to financial statement compilation[7], [8].

Control Procedures and techniques

To use different production elements in the most cost-effective manner, control procedures and techniques are required. Studies on costs and the link between costs and profits are helpful for making economical and efficient use of financial resources.

Internal Audit

To assess each department's performance, an internal audit system is required. Every department's and workers real performance is contrasted with the predetermined benchmarks. Management is able to identify performance anomalies. Internal auditing assists management in assigning blame to various parties.

Tax Accounting

Tax planning is a crucial component of management accounting in the current complicated tax systems. Tax obligations are computed and income statements are created. The federal government, state governments, and municipal governments all report the tax burden to the management. Tax payments must be paid on schedule, and various departments must complete separate tax returns. The responsibilities of a management accountant include tax accounting.

Office Services

To oversee an office, a management accountant could be needed. Data processing, filling, copying, duplicating, communicating, and other tasks will be required of him. He will provide information on the usefulness of various office equipment.

DISCUSSION

Within an organization, management accounting fulfills a number of purposes. It is essential to decision-making procedures and helps the business accomplish its strategic goals. We examine the many roles, responsibilities, and methods of management accounting in this thorough talk, looking at how it helps with strategic management, planning, controlling, decision-making, and performance assessment[9], [10].

Management accounting's functions include:

Organizing

A key component of management accounting is planning, which is creating strategies, action plans, and corporate objectives to direct future endeavors. By providing financial predictions, budgeting estimations, and performance objectives based on historical data and market trends, management accountants play a crucial part in this process. They enable decision-making and resource allocation by using a variety of methodologies, including forecasting, budgeting, and scenario analysis.

Managing

Controlling is the process of keeping an eye on, measuring, and assessing performance in relation to pre-established benchmarks or standards in order to make sure that organizational actions are in line with strategic goals and that resources are used effectively.

Control systems and performance metrics are created by management accountants to monitor developments, spot deviations, and, if needed, start corrective action. To evaluate performance and handle deviations from predetermined goals, tools including variance analysis, key performance indicators (KPIs), and balanced scorecards are often used[11], [12].

Making Decisions

One of the main responsibilities of management accounting is decision-making, which entails weighing many options and choosing the best one to accomplish corporate objectives. Using risk assessment models, capital budgeting strategies, and cost-benefit analyses, management accountants assist with decision-making.

They assess the financial ramifications of various alternatives, taking into account variables like expenses, earnings, profitability, and risk exposure, in order to assist managers in making well-informed choices that optimize value for the company.

Assessment of Performance

In order to pinpoint organizational strengths and weaknesses and enhance overall performance, performance assessment entails evaluating the efficacy and efficiency of processes and activities inside the company.

To assess the accomplishment of operational goals and strategic objectives, management accountants provide metrics and frameworks for performance assessment. They provide management feedback and empower them to implement corrective measures to enhance performance over time by contrasting actual performance with anticipated results.

The Art of Strategic Management

Particularly in the fast-paced, cutthroat commercial world of today, strategic management is becoming a more and more significant aspect of management accounting. Management accountants provide insights into market trends, competitive analysis, and industry dynamics, which aid in strategic decision-making processes. To assess the possible effects of various strategic choices and provide guidance for the development and application of organizational strategies, they carry out strategic cost analysis, scenario planning, and sensitivity analysis.

The function of accounting for management:

From operational to strategic, management accounting has a broad function that spans many organizational levels. Among the main functions of management accounting are:

Information Exchange

The provision of timely, accurate, and relevant financial and non-financial information to support decision-making processes at all organizational levels is the responsibility of management accountants. They gather information, examine it, and interpret it to provide insights that let managers decide what to do and how to do it.

Evaluation of Performance

Management accountants provide metrics and frameworks for performance assessment in order to assess how well organizational procedures and activities operate. Establishing benchmarks, setting objectives, and comparing actual performance to predetermined criteria allows them to evaluate progress and pinpoint areas in need of development.

Allocation of Resources

Management accountants are essential in the distribution of resources because they provide information on the advantages, disadvantages, and dangers of various alternatives. They support managers in setting priorities for investments, distributing resources wisely, and making the best use of the resources at hand in order to optimize value for the company.

Hazard Assessment

Identification, evaluation, and management of risks that might impair an organization's performance and success are tasks performed by management accountants. To reduce risks' negative effects on the goals and operations of the company, they carry out risk analyses, create plans for risk mitigation, and put control mechanisms in place.

Methodical Scheduling

Through their insights into performance review, market research, and financial analysis, management accountants support strategic planning processes. They support the process of recognizing strategic opportunities and risks, weighing potential courses of action, and creating plans of action that are in line with the aims and objectives of the company.

Methods of Management Accounting

Management accountants use a range of methods and resources to carry out their duties efficiently. Among the methods of management accounting that are often used are:

Expense Reporting

Cost accounting is the process of classifying, allocating, and analyzing expenses in order to calculate the price of goods, services, operations, or processes. To precisely monitor and assign costs and to make well-informed choices regarding pricing, product mix, and cost-reduction programs, management accountants use methodologies including job costing, process costing, and activity-based costing.

Setting a budget

Setting financial goals and allocating resources to meet corporate objectives is the process of budgeting. Management accountants create budgets using projections, past performance, and strategic goals. They then monitor actual performance versus budgeted targets to identify deviations and implement appropriate corrective measures.

Analysis of Variance

To find deviations and examine the reasons behind them, variance analysis compares actual performance to planned or standard performance. Variance analysis is a tool used by management accountants to evaluate control measure efficacy, pinpoint inefficiencies or waste, and enhance decision-making.

Capital Allocation Planning

Evaluating investment possibilities and figuring out how to utilize money most profitably are two aspects of capital budgeting. Management accountants evaluate the financial feasibility and riskiness of investment projects and make investment choices that optimize shareholder value using tools like net present value (NPV), internal rate of return (IRR), and payback period analysis.

Evaluation of Performance

To evaluate the attainment of strategic goals and track organizational performance, performance assessment entails creating balanced scorecards and key performance indicators (KPIs). Frameworks for performance measurement are used by management accountants to monitor advancement, pinpoint areas in need of development, and notify stakeholders of performance outcomes.

Analysis of Strategic Costs

Analyzing the cost structure of goods, services, operations, or processes in order to find areas where costs may be cut and value can be added is known as strategic cost analysis. Management accountants evaluate cost behavior, identify cost drivers, and make strategic choices that boost profitability and competitiveness using tools including target costing, value chain analysis, and cost-volume-profit (CVP) analysis. In order to support corporate decision-making processes and accomplish strategic goals, management accounting is essential. Its tasks include information providing, performance measurement, resource allocation, risk management, and strategic planning. Its activities include planning, controlling, decision-making, performance assessment, and strategic management. To carry out their duties and support the development of their organizations, management accountants use a range of methods and resources, such as variance analysis, capital budgeting, cost accounting, budgeting, performance assessment, and strategic cost analysis.

Accounting includes management accounting. It emerged from the need of doing an increasing amount of accounting in order to make management choices. The tasks of categorizing, presenting, and analyzing data are delegated to management accounting in order to assist management in effectively and economically managing and operating the business.

The purposes of management accounting

The following are a some of the roles that management accounting plays:

Forecasting and Planning

The management sets a number of goals for the company to meet in the near future. Reaching company goals requires careful planning and forecasting. Assisting management with long- and short-term planning as well as future forecasting is one of the key roles of management accounting. When setting goals, management accountants use a variety of methods including money flow statements, standard costing, marginal costing, budgeting, likelihood and trend ratios, etc. These methods are helpful for organizing different kinds of activity. Thus, planning and forecasting may benefit from the usage of management accounting systems.

Data Modification:

Accounting data may be modified with the use of management accounting. The data is changed in a manner that makes it beneficial to management. If sales information is needed, it may be categorized by product, region, season, client type, length of time it takes to receive payments, etc. comparable to this, if productions are required, they may be categorized based on the product, quality, manufacturing process duration, production rate, etc. Data is made more comprehensible and valuable by grouping comparable data together. Information is categorized and altered by management accountants in accordance with management directives.

Interpretation and Analysis of Financial Data

A management accountant's responsibility is to simplify financial data presentation. Technical methods are often used to gather and display financial data. Technical expertise may be lacking among top management leaders. A management accountant uses plain language for analyzing, interpreting, and presenting financial data. He provides information about different policies and assesses them financially. To make it easier for management to make a choice, he offers his thoughts on many possible courses of action.

Helps to Promote Managerial Control

Performance control is greatly aided by management accounting. The goal of all accounting endeavors is business control. The standards for different departments and people are established. The real performance is noted, and the variances are computed. It makes it possible for management to evaluate each employee's performance inside the company. Standard costing and budgetary control, which are essential components of management accounting, make performance assessment feasible.

Interaction

Communication both within the organization and with the outside world is established via management accounting. Reports are prepared by the management accountant for the use of

various management and staff levels. External parties, including bankers, investors, creditors, government agencies, and others, are informed about the actions of the company. The accountant is also responsible for completing different tax reports.

Applying Qualitative Data

The application of financial data is not the exclusive domain of management accounting. Additionally, it gathers and makes use of qualitative data. In addition to previous productions, a management accountant may also depend on productivity statistics, customer surveys, employee evaluations, and a host of other company papers when creating a production budget. Utilizing qualitative data is just as beneficial as using quantitative data. Before making a final decision, management might evaluate a plan's many components.

Synchronization

Effective departmental coordination is critical to the efficient operation of the business. Through financial reporting and budgeting, management accountants coordinate efforts across several financial divisions.

They are periodically updated on the goals and accomplishments of various divisions, which helps to boost productivity across the board and boosts the company's profitability.

Beneficial in Formulating Strategic Choices

Making strategic choices is assisted by management accounting. It provides analytical data on different options, making management selection simple. These choices might include growth or diversification of operations, replacement decisions, seasonal or brief production stoppages, and making the right choice.

Information Provision to Different Management Levels

Accounting data is necessary for decision-making and policy implementation at all management levels. choices on border crossings are made by upper management, while daily choices are made by lower levels of management. Information is provided by management accountants to various management levels so that further choices may be made. The timely and sufficient delivery of information will boost managerial effectiveness.

The function of accounting for management

The functions that management accountants play in the organization's decision-making process will be emphasized in the sections that follow. The different roles are:

Accounting for Stewardship

A management accountant creates reports for regular financial and operational decision-making as well as the framework for cost and financial accounting.

Planning: Long- and Short-Term

In order to create long-term planning, strategic management accounting, corporate strategy, market research, and other future plans, management accountants predict future business and economic events.

Creating an Information Management System

Managerial staff at all levels get regular reports as well as reports for long-term decision-making so they may take appropriate remedial action as needed. These reports are also used by the management accountant when making critical choices.

Preserving the Ideal Capital Structure

An important part in raising money and using it is played by management accountants. He must make a decision on preserving a suitable ratio of debt to equity. Because debt has tax advantages, it is less expensive to raise money via debt. It is dangerous, however, since interest on debt must be paid whether or not the company makes a profit that is sufficient. As a result, management accountants must maintain an ideal capital structure and carefully evaluate different cost of capital theories, leverage, and the potential for equity trading.

Part in the Management Process

The management accountant has a crucial role inside the company. He oversees the accountant and other workers at his office in addition to carrying out staff duties. He instructs executives on the value of control information and its appropriate applications. He separates pertinent information from irrelevant data and provides management and sometimes interested outside parties with concise reports on the former.

In charge

For example, standard costs, budgets, variation analysis and interpretation, cash and fund flow analysis, liquidity management, performance assessment, and responsibility accounting, among other tasks, are prepared and analyzed by the management accountant.

Making Decisions

Management accountants provide management the information they need to make choices on long-term issues such capital budgeting, investment appraisal, project finance, and make-or-buy, lease-or-buy, optimal product mix, pricing, and product discontinuation. However, a management accountant's only responsibility is to provide the management with the necessary data in a thorough and trustworthy manner so that they can make decisions. It is the management's real job to make decisions. Put differently, internal accounting reports and management accountants cannot decide on behalf of management.

CONCLUSION

Management accounting is essential to forecasting and budgeting since it helps set performance goals, allocate resources strategically, and create strategic plans. Management accountants work with stakeholders from a variety of functional areas to create detailed budgets and projections that support company goals and priorities. Organizations may foresee possible risks, take proactive advantage of emerging opportunities, and adjust to changing market circumstances by using strategies including rolling forecasts, zero-based budgeting, and scenario analysis. Additionally, management accounting provides managers with the frameworks and tools they need to track, measure, and evaluate organizational performance, acting as a pivotal role in performance assessment and control. Accounting managers monitor operational measures, financial indicators, and non-financial determinants of success via the use of performance assessment systems including balanced scorecards and key performance

indicators (KPIs). By examining differences, patterns, and departures from predetermined standards, they help management pinpoint opportunities for development, distribute resources wisely, and coordinate day-to-day operations with overarching objectives.

REFERENCES:

[1] A. Azudin and N. Mansor, "Management accounting practices of SMEs: The impact of organizational DNA, business potential and operational technology," *Asia Pacific Manag. Rev.*, 2018.

[2] M. R. W. Hiebl, "Management accounting as a political resource for enabling embedded agency," *Manag. Account. Res.*, 2018.

[3] S. F. Laela, H. Rossieta, S. H. Wijanto, and R. Ismal, "Management accounting-strategy coalignment in Islamic banking," *Int. J. Islam. Middle East. Financ. Manag.*, 2018.

[4] S. Nielsen, "Reflections on the applicability of business analytics for management accounting – and future perspectives for the accountant," *J. Account. Organ. Chang.*, 2018.

[5] Y. Herliansyah, "Change of management accounting practices," *International Journal of Economics and Business Administration*. 2018.

[6] W. Qian, J. Hörisch, and S. Schaltegger, "Environmental management accounting and its effects on carbon management and disclosure quality," *J. Clean. Prod.*, 2018.

[7] E. P. Jansen, "Bridging the gap between theory and practice in management accounting," *Accounting, Audit. Account. J.*, 2018.

[8] N. Soewarno and A. W. Mardijuwono, "Mediating effect of continuous improvements on management accounting innovations-information capital maturity level-organizational performance relationships," *Probl. Perspect. Manag.*, 2018.

[9] M. T. M. Albán, "Management accounting strategies applied to smes literary review," *Rev. Lasallista Investig.*, 2018.

[10] H. Englund and J. Gerdin, "Management accounting and the paradox of embedded agency: A framework for analyzing sources of structural change," *Management Accounting Research*. 2018.

[11] M. Abba, L. Yahaya, and N. Suleiman, "Explored and Critique of Contingency Theory for Management Accounting Research," *J. Account. Financ. Manag.*, 2018.

[12] H. Latan, C. J. Chiappetta Jabbour, A. B. Lopes de Sousa Jabbour, S. F. Wamba, and M. Shahbaz, "Effects of environmental strategy, environmental uncertainty and top management's commitment on corporate environmental performance: The role of environmental management accounting," *J. Clean. Prod.*, vol. 180, pp. 297–306, 2018.

CHAPTER 3

DIFFERENCE BETWEEN MANAGEMENT ACCOUNTING AND FINANCIAL ACCOUNTING

Dr. N. Das Mohapatra, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-neel@muit.in

ABSTRACT:

The dichotomy between management accounting and financial accounting underscores two distinct yet interrelated domains within the broader discipline of accounting. This abstract embarks on an exploration of the intrinsic disparities between these two branches, shedding light on their unique roles, objectives, methodologies, and intended audiences. By delineating the variances in focus, scope, and utilization, this abstract aims to unravel the nuanced complexities of management accounting and financial accounting, thereby enhancing comprehension and appreciation of their complementary roles in facilitating organizational decision-making and stewardship. Financial accounting serves as the bedrock of transparency and accountability in the realm of corporate reporting, primarily catering to external stakeholders such as investors, creditors, regulators, and the public at large. Its cardinal objective revolves around the systematic recording, summarization, and communication of financial information in conformity with established accounting principles and regulatory standards. Through the preparation of financial statements, including the income statement, balance sheet, and cash flow statement, financial accountants provide a snapshot of an organization's financial performance, position, and cash flows over a specified period. These reports serve as a vital conduit for assessing the profitability, solvency, and liquidity of a company, thereby facilitating investment decisions, credit assessments, and regulatory compliance.

KEYWORDS:

Compliance, Consumer Behavior, Continuous Improvement, Cost Drivers, Cost Efficiency, Cost Leadership.

INTRODUCTION

The accounting information system of commercial companies has two branches: management accounting and finance accounting. Day-to-day company transaction recording is the focus of financial accounting. These transactions are categorized based on the kind of transaction. Through these transactions, the company is able to determine its profit and loss for a certain time period, and its balance sheet and profit and loss account allow it to evaluate its financial condition on a given date. However, management accounting also makes use of other information sources in addition to financial accountants.

The management uses the accounts in a manner that makes them useful for predicting and planning different strategies. Consequently, management accounting is greatly influenced by financial accounting. Furthermore, management accounting may benefit just as much from the same financial accounting concepts. Furthermore, keep in mind that management accounting is really a subset of finance accounting. Accounting for finances and management are complimentary and essential to the smooth operation of the business[1], [2].

Conventions in management accounting

Several concepts have been tested, leading to the development of certain key norms that are used in the day-to-day operations of the company. The conventions are the result of several trials and mistakes that the industry has experienced. The field of management accounting is currently evolving. Financial statements are recorded, analyzed, and understood using a variety of instruments and methods. In management accounting, a number of conventions have been developed that assist keep data organized and enhance the management's ability to utilize the statements. The following is a discussion of some of these conventions:

There should be uniformity in the protocols and techniques used for maintaining and evaluating financial statements. It permits maintaining the s similar. Often changing the procedures will decrease the usefulness of the claims.

The principles need to be designed in a way that accounts for all potential losses. However, profits are to be taken into account only once they have really been realized. When determining the costs of the items, only typical expenses should be taken into account. Under normal circumstances, the product's price should correspond to its cost. When there is less demand, idle capacity or obsolescence might lead to abnormal costs. Financial statements shall be recorded in accordance with the objectivity norm. Prejudice or bias from humans should not exist. When creating records, the accountant shouldn't be given an option. A company's return on capital should be used as a gauge of its efficiency. In order to allow for a comparison over years, it should be applied consistently.

It is feasible to compare performance between worries of the same size as well as between concerns of various sizes. Cost information should be entered using standard formats. It will make cost comparisons between various units possible. Controllable and uncontrollable expenses should be separated out of the cists. Costs that the management can effectively control are known as controllable costs. Outside factors, such as rising material prices and government labor rate revisions, may have an impact on uncontrollable costs. An rise in manageable expenses will provide management the ability to assign blame and implement remedial actions. The goal of management ought to be to make the best use of the company's resources. It should be possible to accomplish the goal via the use of diverse procedures and techniques[3], [4].

The data should be updated using the revaluation accounting standards. Many assets are not at their true worth because of the inflationary scenario. Since valuation accounting compromises the objectivity of the accounts, it is not yet often employed.

Management accounting instruments and methods

Various methods and instruments are used to provide the data that the management needs. Not every management requirement can be met by a single method.

The following is a discussion of the instruments and methods used in management accounting:

Accounting and Financial Policy:

Every organization has to make a choice on how to raise money. One of the two ways to raise the money is by issuing shares or by making loans. Once again, a choice must be made about the kind of capital, such as preference or equity share capital. Preference share capital is classified into many categories. The second choice has to do with borrowing money. Once again, policy determines whether the loans should be long-term or short-term. Again, policy

determines how much share capital and loans should be long-term or short-term. Determining the ratio of loans to share capital is also necessary. These are all crucial choices, and management accounting offers methods for budgeting finances.Another area in which management accountants assist management is tax planning. He attempts to employ a variety of laws and guidelines to the organization's advantage [5], [6].

DISCUSSION

The goal of financial statement analysis is to organize and display the data so that management can utilize it effectively. A clear English explanation of the data's importance and meaning is provided. Financial analysis approaches include many tools such as ratios, funds flow statements, trends analysis, and comparative financial statements.

Accounting for Past Costs:

Historical cost accounting is the process of documenting real costs on or after the date of incurrence. An insight of the performance of the company is provided by comparing the actual cost to the standard cost. Costing is significant, but it is not very useful on its own.

Control of the Budget:

It is a system that makes use of budgets as a planning and control instrument. Every functional department prepares its budgets ahead of time. The budgets are predicated on both past performance and potential future outcomes. The real performance is documented and contrasted with pre-established benchmarks. Every employee in the company has a performance evaluation that management may review. A crucial tool for planning and controlling is the ability to identify deviations from budgets in a timely manner.

Average Price:

One crucial method for cost reduction is standard costing. The expenses of a typical costing method are predetermined. Standard cost is established by a methodical examination of common circumstances.

The real expenses are noted and contrasted with the average expenses. If there are any variations, they are examined and their causes determined. Standard costing contributes to "management by exception" and increased organizational efficiency.

Marginal Price Calculation:

This costing technique addresses variations in expenses brought about by changes in production volume. The cost of the product is split into fixed and marginal costs under this method. Every extra production unit only has variable costs; the remaining portion of the cost is documented over a level of output and is considered fixed. Marginal costing is a useful tool for assessing the profitability of various manufacturing lines, departments, and divisions within an organization. Marginal costing is often used to evaluate choices on the short-term use of capacity[7], [8].

Accounting for Decisions:

Making choices is one of management's key responsibilities. Making a decision requires selecting one option from a range of options. Managers are able to choose the optimal course of action by using management accounting to evaluate the financial consequences of each alternative course of action. These choices may include capital expenditure, whether to make or purchase, what price to charge, growth or diversification, etc.

Accounting for Revaluation:

Another name for this is a replacement accounting. The primary goal of management is to protect the company's money. Real capital preservation is achieved by the computation of earnings. Increases in pricing have a significant impact on capital value. Revaluation accounting is a term used to describe strategies used to get around the challenges associated with replacing fixed assets at a time of growing costs, according to Batty.

Accounting for Control

There is no distinct accounting system for control accounting. Control accounting makes use of the control devices that are specific to each system. Variance analysis reports may be used to exercise budgetary control and standard pricing. Internal audits, statutory audits, internal checks, and organizational structures and procedures may all be used for control reasons in control accounting.

Information System for Management:

The advancement of electronic devices for data capture and classification has led to a significant improvement in management reporting. The management receives coordination and control over the data planning[9], [10].

Cost accounting is the science, art, and practice of cost management and profitability determination applied to costing and cost accounting concepts, methods, and procedures. Information collected from there is presented for the aim of management decision-making. The study, art, and practice of cost accounting is hence known as cost accountancy. It is science because it is a body of methodical knowledge based on certain principles that a cost accountant has to know in order to carry out his duties in an appropriate and timely manner. It is an art because it calls for a cost accountant to have the aptitude and competence to apply cost accounting concepts to a range of management issues. In the discipline of cost accounting, practice entails the ongoing efforts of an accountant. Statistical record-keeping and information presentation for administrative decision-making are examples of such endeavors.

Cost accounting and costing are often used synonymously. However, there is a little distinction between the two. Costing is just the process of determining costs using any method or system. Cost accounting is a systematic method of accounting for costs in the statements of accounts by means of which cost of goods and services are discovered and regulated.

The Chartered Institute of Management Accountants defines costing as - "The techniques and processes of ascertaining cost." A specialized area of accounting is costing. Due to bank account limits, it was created. These days, it is essential that a company enterprise conducts its operations as efficiently and cheaply as possible. A new set of accounting rules was required for the determination and management of costs, leading to the emergence of "cost accounting" as a specialized area of accounting.

There are several interpretations of the word "cost." This word is used by various individuals for different reasons and in different contexts. For instance, you often inquire, "How much does it cost?" while purchasing... In this case, "cost" refers to price. However, the word "cost" in management parlance refers to an outlay rather than a price. Cost and price are not synonymous in our context. Cost and price are not synonymous in our context. According to the Institute of Cost and Works Accountants, London's costing language, cost is defined as "the amount of expenditure incurred on or attributable to a given things," meaning that it is

the price paid for sacrificing something in order to acquire something else. The method and process of determining is called costing. It is made up of the guidelines and precepts that are used to determine how much goods and services will cost.

Indian Context of Cost Accounting:

Indian industry started using cost accounting techniques around the turn of the 20th century.

The following elements have expedited the development of our nation's cost accounting system:

a) A greater understanding of cost consciousness among Indian businessmen in order to more precisely determine costs for each task or product.

b) As manufacturer rivalry increased, prices were set lower in an effort to draw in more business.

b) The planned economy is emphasized in government economic policy.

d) The establishment of cost accounting became more important to Indian businesses as a result of increased government control over pricing.

e) The founding of the Institute of Cost and Works Accountants of India, a statutory entity, and the National Productivity Council in 1958.

The Government of India has mandated the preservation of cost accounts for the majority of corporate sector businesses after realizing the advantages and significance of cost accounting procedures.

The government of India approved an Act viz. to further the growth of the cost accounting profession. The "Institute of Cost and Work Accountant of India" is a statutory institution that was created by the "Cost and Works Accountants Act, 1959."

A provision has been added to the Companies Act, 1956, making it mandatory for enterprises to keep Cost Accounting records. In addition, the government mandated "Cost Audit" for these sectors. Over the past fifty years, cost accounting has become a vital tool for management to increase productivity and profitability. As business complexity increased and costing data became more crucial for effective management, cost accounting's significance grew daily.

Cost accounting's evolution

Over time, cost accounting has changed dramatically to reflect changes in economic conditions, technological advancements, and corporate practices. The development of cost accounting, which began as a crude method of cost calculation in the early years of industrialization and is now a sophisticated tool for managerial decision-making, is a reflection of the dynamic nature of business and the growing complexity of organizational operations. We explore the historical history of cost accounting in this thorough talk, following its progression through significant turning points, inventions, and trends that have influenced its modern practices and uses[11], [12].

Early Inception and Growth

The 18th and 19th centuries saw the beginning of industrialization, which is when cost accounting first emerged. As mass manufacturing and factory-based production grew in popularity, the demand for techniques to estimate and manage production costs increased.

The main goal of early cost accounting systems was to assign direct labor, material, and overhead expenses to specific items or manufacturing processes in order to calculate the cost of things created.

The Scottish economist Adam Smith was among the first to advocate for cost accounting. In his 1776 publication, "The Wealth of Nations," he highlighted the significance of cost analysis. Smith underlined that in order to increase productivity and profitability, managers must comprehend and manage production costs.

But cost accounting did not start to emerge as a formal subject until the Industrial Revolution. In the late 19th and early 20th centuries, the advent of industrial businesses and managerial capitalism were strongly linked to the development of cost accounting.

Manufacturing processes were transformed and cost accounting systems became more sophisticated due to innovations like the assembly line, automated production techniques, and scientific management ideas presented by pioneers such as Frederick Taylor and Henry Ford.

The first systems for cost accounting

Many early cost accounting systems evolved in the late 19th and early 20th centuries, each one reflecting the particular requirements and traits of various sectors and organizations.

The "cost-plus" approach, which determined the selling price of items by adding a markup to the direct costs of manufacturing, was one of the most prominent methods. This strategy was often used in sectors of the economy that had government contracts or controlled price structures.

The emergence of work order costing and process costing systems, which offered more precise ways to allocate costs to specific goods or manufacturing processes, was another important advance. In businesses where products were produced in batches or bespoke sizes, job order costing was used since each batch or product was distinct and needed its own cost monitoring. On the other hand, businesses like food processing, textiles, and chemicals that need continuous or large manufacturing used process costing.

Management Accounting's Role

The early 20th century saw the establishment of management accounting as a separate academic discipline, which had a substantial impact on the development of cost accounting. The field of cost accounting was broadened by management accounting to include activities like performance evaluation, budgetary control, and long-term planning. James McKinsey, Henry Fayol, and Arthur R. Bowley were among the pioneers who helped to shape the evolution of management accounting theory and practice.

The publication of Frederick Taylor's "Principles of Scientific Management" in 1911 is regarded as one of the foundational works in the subject of management accounting. In order to increase productivity and efficiency, Taylor's concepts placed a strong emphasis on the scientific study of labor processes and the use of standardized techniques.

This method established the groundwork for contemporary cost accounting methods like variance analysis and standard costing, which developed into crucial instruments for management decision-making.

The area of cost accounting was further advanced by the efforts of early management accountants such as Frank and Lillian Gilbreth, who pioneered time and motion studies, and Harrington Emerson, who promoted cost-based performance monitoring. With the goal of

more precisely allocating overhead expenses based on the activities that generate them, these pioneers established cutting-edge techniques for monitoring and regulating production costs, such as activity-based costing (ABC).

Technological Developments and Modern Methods

Automation and information technology developments have had a significant impact on the development of cost accounting. Cost accounting procedures were completely transformed with the introduction of computers and electronic data processing systems in the middle of the 20th century. This allowed businesses to gather, process, and report cost data more correctly and effectively.

Cost accounting saw even further transformation in the 1980s and 1990s with the introduction of enterprise resource planning (ERP) systems, which combined many corporate operations into a single integrated platform, including finance, accounting, manufacturing, and supply chain management. ERP systems let managers at all organizational levels make better decisions by giving them access to cost data in real time.

In today's global company climate, cost control, value creation, and sustainability are becoming more important. This is reflected in contemporary cost accounting techniques. In order to increase cost effectiveness, boost product quality, and spur innovation, businesses are using sophisticated cost accounting methodologies including activity-based costing (ABC), target costing, life cycle costing, and lean accounting.

CONCLUSION

Operating within the boundaries of the company, management accounting mostly serves internal stakeholders including managers, executives, and operational teams. Its main goal is to provide timely, relevant, and useful information to decision-makers so they can assist planning, control, and performance assessment activities. Management accounting takes a forward-looking stance, concentrating on the development and implementation of organizational initiatives, in contrast to financial accounting, which is constrained by external reporting obligations and legal frameworks. Management accountants provide managers with the tools and methods they need to make well-informed choices, allocate resources optimally, and improve operational efficiency. Examples of these tools and procedures include variance analysis, budgeting, cost-volume-profit analysis, and performance measurement systems. Differences in the scope, purpose, and application of management accounting and financial accounting highlight their differences even more. The creation of standardized, externally-focused financial reports in accordance with generally accepted accounting principles (GAAP) or international financial reporting standards (IFRS) is the focus of financial accounting. These reports are intended to provide external stakeholders a thorough understanding of an organization's financial performance and situation, promoting accountability, transparency, and comparability across various organizations and sectors. Management accounting, on the other hand, takes a more adaptable and customized approach, meeting the unique information requirements of internal decision-makers. Its scope includes a wide range of tasks intended to improve organizational performance and management effectiveness, such as forecasting, budgeting, performance assessment, and strategic planning.

REFERENCES:

[1] L. Bell, J. Vogt, C. Willemse, T. Routledge, L. T. Butler, and M. Sakaki, “Beyond self-report: A review of physiological and neuroscientific methods to investigate consumer behavior,” *Frontiers in Psychology*. 2018.

[2] R. A. Peterson and U. N. Umesh, “On the significance of statistically insignificant results in consumer behavior experiments,” *J. Acad. Mark. Sci.*, 2018.

[3] V. Victor, J. J. Thoppan, R. J. Nathan, and F. F. Maria, “Factors influencing consumer behavior and prospective purchase decisions in a dynamic pricing environment-an exploratory factor analysis approach,” *Soc. Sci.*, 2018.

[4] C. L. Hsu and M. C. Chen, “How gamification marketing activities motivate desirable consumer behaviors: Focusing on the role of brand love,” *Comput. Human Behav.*, 2018.

[5] D. C. Petrescu and R. M. Petrescu-Mag, “Consumer behaviour related to rabbit meat as functional food,” *World Rabbit Sci.*, 2018.

[6] J. Cruz-Cárdenas and P. Arévalo-Chávez, “Consumer Behavior in the Disposal of Products: Forty Years of Research,” *J. Promot. Manag.*, 2018.

[7] K. M. R. Taufique and S. Vaithianathan, “A fresh look at understanding Green consumer behavior among young urban Indian consumers through the lens of Theory of Planned Behavior,” *J. Clean. Prod.*, 2018.

[8] G. Orzan, A. F. Cruceru, C. T. Balaceanu, and R. G. Chivu, “Consumers’ behavior concerning sustainable packaging: An exploratory study on Romanian consumers,” *Sustain.*, 2018.

[9] V. Saprikis, A. Markos, T. Zarmpou, and M. Vlachopoulou, “Mobile shopping consumers’ behavior: An exploratory study and review,” *J. Theor. Appl. Electron. Commer. Res.*, 2018.

[10] G. S. Nunes and E. J. M. Arruda Filho, “Consumer behavior regarding wearable technologies: Google Glass,” *Innov. Manag. Rev.*, 2018.

[11] L. C. Dailey and M. A. Ülkü, “Retailers beware: On denied product returns and consumer behavior,” *J. Bus. Res.*, 2018.

[12] F. G. Castillo, “Consumer Buying Behavior: The Multicultural Influence in the Philippines,” *Int. J. Bus. Manag. Technol.*, 2018.

CHAPTER 4

COSTING, COST ACCOUNTING AND COST ACCOUNTANCY

Dr. N. Das Mohapatra, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-neel@muit.in

ABSTRACT:

Costing, cost accounting, and cost accountancy form the bedrock of effective cost management strategies within organizations, facilitating informed decision-making, resource optimization, and performance evaluation. This abstract embarks on an exploration of these intertwined concepts, delineating their fundamental principles, methodologies, and applications in contemporary business environments. By dissecting the nuances of costing, cost accounting, and cost accountancy, this abstract aims to elucidate their critical role in driving operational efficiency, profitability, and sustainable growth in modern enterprises. Costing serves as the cornerstone of cost management, encompassing the process of determining and allocating costs to products, services, processes, or activities within an organization. Its primary objective is to ascertain the cost of producing goods or services by capturing all relevant cost components, including direct materials, direct labor, and manufacturing overheads. Through various costing methods such as job costing, process costing, and activity-based costing (ABC), costing enables organizations to derive accurate and relevant cost information for decision-making purposes. By identifying cost drivers and tracing costs to cost objects, costing facilitates pricing decisions, product profitability analysis, and performance evaluation initiatives, thereby enhancing operational efficiency and competitiveness.

KEYWORDS:

Cost Reduction, Cost Structures, Customer Value, Digital Transformation, Disruption.

INTRODUCTION

Cost accounting has evolved and advanced, yet it still has difficulties satisfying the changing demands of contemporary businesses. Accurately recording and assigning costs across a variety of business operations is a difficulty for cost accounting systems due to the growing complexity of global supply chains, regulatory constraints, and market dynamics. Moreover, companies are incorporating non-financial criteria into their cost accounting methods due to the increased focus on social responsibility, environmental sustainability, and ethical behavior. Cost accountants must create new techniques for calculating and disclosing the social and environmental effects of their organization's operations in light of the trend toward integrated reporting and sustainability accounting[1], [2].

Looking forward, technological advancements like artificial intelligence (AI), data analytics, and blockchain technology are probably going to have a significant impact on cost accounting. These developments might completely transform cost accounting procedures by streamlining repetitive processes, enhancing data quality, and offering instantaneous insights into performance indicators and cost causes. The dynamic character of business and the ongoing search for more precise, timely, and relevant cost information to assist management decision-making processes are reflected in the development of cost accounting. Cost accounting has seen tremendous changes from its early beginnings during the industrial

revolution to its modern practices in the digital era. These changes have been fueled by advancements in technology, modifications to business procedures, and adjustments in organizational goals. The critical role of cost accounting in delivering actionable insights for strategic decision-making is expected to persist in the future as businesses continue to adapt to changing market circumstances and develop. Industrial progress and the following factors led to the establishment of cost accounting [3], [4].

No expense classification: To determine costs, Financial Accounting does not provide categorized costs for departments, processes, and goods, among other things. No selling price fixation: The selling price is not set by financial accounting. No identification of the causes of cost variation: Financial Accounts cannot be used to determine the causes of cost variations over two or more periods. No categorization of expenditures: Direct and indirect, controlled and uncontrollable expenses are not separated out in financial accounting. Lack of study of loss causes: Financial accounting does not examine losses caused by material waste, improper timing, etc. to keep labor and material costs under control. Absence of assessment standards: Standards are required for performance assessment and operational efficiency measurement. These kinds of criteria are not provided by financial accounting. Lack of cost information for management choices: Financial accounting does not provide cost information for making different managerial choices. Cost accounting has solved every one of the aforementioned shortcomings of financial accounting.

DISCUSSION

The phrases "costing" and "cost accounting" are sometimes used synonymously in practice. But costing and cost accounting are not the same thing. Costing is the method and procedure used to determine expenses.

The method is made up of the guidelines and precepts for figuring out how much goods and services should cost. Nonetheless, the method is dynamic and adapts to the passage of time. The daily task of calculating expenses is known as the costing process. The practice of accounting for costs from the moment of incurrence or commitment is known as cost accounting, in contrast. The procedure keeps on until its final link with a cost center or cost unit is established. It is the specialized area of accounting that deals with expense management, absorption, allocation, accumulation, and categorization. Costing may be done using integral accounting techniques, memorandum statements, or the arithmetic process. However, cost accounting refers to the formal process used to determine expenses and offer data for different management needs.

The phrase "cost accountancy" is broad and covers a number of topics, including budgeting management, cost auditing, cost accounting, costing, and control. Cost accounting is "the application of costing and cost accounting principles, methods and techniques to the science, art and practice of cost control," according to the London-based Chartered Institute of Management Accountants. It involves presenting data obtained from it in order to aid in management decision-making[5], [6].

Science in this context refers to the body of methodical knowledge a cost accountant needs to properly carry out his duties. The competence and skill with which a cost accountant applies his or her knowledge and experience in cost accounting to issues including cost ascertainment, cost management, and profitability determination is considered art. A cost accountant's ongoing efforts in the subject of cost accounting are considered practice. Statistical record-keeping and information presentation for administrative decision-making are examples of such endeavors. Financial statements for use by creditors, government agencies, labor unions, investors, financial analysts, and other interest groups are the main

focus of financial accounting. It entails the subjective recording, categorization, and analysis of business transactions based on the kind of spending in order to make the creation of the balance sheet and profit and loss account, which present the overall performance of the company operations, easier. The foundation for loan choices made by banks and other financial institutions, credit decisions made by vendors, and investment decisions made by shareholders is often these publicly available financial accounts[7], [8].

Cost accounting's goals

The following are costing's primary goals:

1.Evaluation and Calculation of Expenses:

Determining the cost of each product, process, department, service, or operation is the primary goal of costing. In order to determine expenses, more research, analysis, and categorization of costs—such as prime cost and manufacturing cost—are required. To record and calculate expenses, several systems, procedures, and costing methodologies have been devised.

2. Cost Presentation for Cost Control and Reduction:

Controlling and lowering expenses is one of costing's main goals. In the absence of effective management, expenses have a propensity to rise and surpass boundaries. The lowest possible costs may be controlled and maintained with the use of well-gathered cost data. The correct individual, when he needs them, receives the right and suitable cost information in the right format at the right time. Setting benchmark expenses and then comparing real to standards allows for the best outcomes and allows for future corrective action to be taken.

3. Making Plans and Decisions:

The conventional roles of cost control and determination have evolved into other areas of cost accounting. It has now evolved into a tool that management uses to plan and make important decisions about things like product pricing, the launch of a new product, buy or make decisions, expansion or contraction, machinery replacement, shutdown decisions, wage compensation plans, etc.

Cost accounting's nature

The following characteristics describe the nature of cost accounting:

Accounting Specialized Branch:

The field of cost accounting is a subset of accounting that deals with cost collection, categorization, recording, allocation, determination, and management. Despite being categorized as a subset of financial accounting, cost accounting remains a crucial area of study. It is a structured body of knowledge with its own set of rules, ideas, and customs. The guiding concepts and regulations differ throughout industries[9], [10].

Both science and art:

Because it is a body of methodical knowledge pertaining to a broad range of topics, including legislation, office practice and procedure, data processing, production and material control, etc., cost accounting is regarded as a science. A cost accountant has to be well-versed in each of these fields of study in order to do their daily duties. However, like with natural science, it must be acknowledged that it is not a flawless science. It follows its own set of laws and principles in a methodical and regular way. In the sense that it calls on the talent and skill of

the cost accountant to apply the theories, practices, and procedures of cost accountancy to a variety of management issues, cost accounting is an artistic endeavor. These issues include determining cost management, determining profitability, and so on.

Acknowledgeable as a Profession:

Cost accounting is acknowledged as a profession as it is a specialized field of study. The Institute of Cost and Works Accountant of India establishes guidelines for cost accountants' professional conduct and offers expert support[11], [12].

Cost accounting is one of the significant and more difficult occupations in recent years. These two data clearly support this opinion. First, people's awareness of the costing profession is growing as a result of the establishment of numerous professional bodies, including the National Association of Accountants, the Institute of Cost and Management Accountant U.K., the Institute of Cost and Works Accounts in India, and others, in both developed and developing nations. Second, a sizable number of students have enrolled in these institutions in order to achieve membership and costly degrees that will enable them to support themselves.

Calculating the Different Components of the Total Cost:

By use of the processes of collection, categorization, analysis, and recording, it determines the cost of goods and services. Using statistical data to calculate cost and profit. This system is heavily used, and statistical data is applied.

Benefiting Management:

This system offers data, guidelines, and control mechanisms at different management levels.

The distinction between management accounting and cost accounting. Cost accounting serves not just to determine costs but also to assess performance and aid in managerial decision-making. Cost data is used by management to assess performance and minimize expenses while making decisions. This explains why management accounting makes use of the majority of cost accounting ideas.

The fields of cost accounting and management accounting do not interchange, despite many similarities. Compared to cost accounting, management accounting refers to a much broader subject. There is considerably more to management accounting than just collecting cost information. Nonetheless, there is a complimentary aspect to both cost and management accounting systems. The management accounting system cannot operate well without a well-established costing system since cost data will not be accessible.

Methods, significance, benefits, and constraints associated with cost accounting

The method and practice of calculating costs is called costing. It is made up of the guidelines and precepts that are used to determine how much goods and services will cost. The steering mechanism that maintains the organization on a stable course for success is cost accounting. It is a realistic control tool that benefits not only the management but also the government, bankers, workers, creditors, and the general public. The traditional roles of cost accounting have evolved beyond cost determination and control. Today, cost accounting serves as a tool for management to plan and make important decisions regarding product pricing, new product introductions, purchases, business expansion, machinery replacement, and other matters. Additionally, it offers trustworthy pricing information for labor, materials, overhead, and other costs.

Methods used in cost accounting

The several methods used in cost accounting include:

1. Marginal Price Calculation:

Finding the marginal cost that distinguishes between fixed and variable costs is what it is. the calculation of marginal costs, the distinction between fixed and variable costs, and the impact of changes in output type or volume on profit.

2. Average Price:

The creation and use of standard costs, their evaluation of variation to causes and incidence points, and their comparison with real costs. This enables the management to look into the causes of these variations and implement the required remedial measures.

3. Direct Expense Calculation:

It is customary to charge all direct expenses associated with operations, processes, or products as variable and fixed costs, and to write off all other costs when they come up against profits.

4. Costing by Absorption:

Full costing is another name for absorption costing. This method of costing determines the cost of produced items and inventories by treating all manufacturing costs as production costs. The real manufacturing costs include the fixed production expenses.

5. Standardized Pricing:

It is the use of common control or cost comparison by several business units via the use of common costing concepts and methods. Uniform costing, according to CIMA, is "the use by several undertakings of the same costing principles and/or practices." It is useful for comparing the performance of different businesses and gaining from each other's superior performance and expertise.

6. Control of the Budget:

The management and coordination of corporate activities are done via the use of a budget. A budget is a financial statement that is quantitative and created for a certain time frame. The use of a thorough budgeting system to support management in performing its duties of organizing, directing, and regulating activities is known as budgetary control. One of the key instruments of control is the financial control.

Cost accounting's significance

"The steering wheel keeps the organization on steady path of prosperity," according to cost accounting. It is a realistic control tool that benefits not only the management but also the government, bankers, workers, creditors, and the general public.

By giving management access to cost information, cost accounting assists management in effectively planning, organizing, managing, making decisions, budgeting, and setting prices.

Cost accounting benefits

Cost accounting has a number of benefits, including:

A Tool for Cost Accounting in Management

By giving management access to cost information, cost accounting assists management in effectively planning, organizing, managing, making decisions, budgeting, and setting prices.

c) Benefits for Workers:

An effective costing system lowers expenses and boosts earnings for a business, guaranteeing better service security and higher employee pay. Additionally, cost accounting aids in the introduction of bonus and incentive pay systems that provide extra compensation to productive workers.

Benefits for Bankers, Investors, and Creditors:

An organization that implements cost accounting gains benefits from having bankers, investors, creditors, and other lenders. It provides dependable cost information, which helps creditors, bankers, and investors assess a company's solvency and financial standing. Thus, cost accounting aids in the assessment of a customer's performance by bankers and other professionals. It is possible to examine the different cost reports before giving a company a loan. A company with an effective costing system is more likely to attract investors than one without one.

Benefits to society and the government:

Cost accounting lowers expenses, boosts earnings, and makes a business more efficient. As so, it advances the nation's total economic growth. Public access to better and more affordable items is provided. The government receives more money in the form of taxes as a result of lower waste and more profits. Costing methods are also helpful for creating national strategies.

Cost accounting's limitations

Even while cost accounting offers several benefits to different stakeholders, it is not without flaws or restrictions. The following are some significant shortcomings and restrictions of cost accounting:

a) The accounting system is not autonomous.

b) A lot of it is dependent on estimations, such as the allocation of costs based on projections or the absorption of indirect costs.

c) Subjectivity is possible when it comes to things like depreciation and closing stock value.

d) Not all costs and earnings are included, such as those that are solely financial in nature, including interest, financing charges, discounts, loss of shares and debentures, etc.

e) Cost accounting systems are very intricate, labor-intensive, and need ongoing modifications to be made better.

f) Cost accountants often demand outrageous prices for their services. Because of this, a lot of small businesses cannot afford to hire a regular cost accountant.

Techniques, components, and grounds for calculating expenses and overhead

Determining expenses and overheads is an essential step in understanding and efficiently managing a business's financial performance. An organization may identify, measure, and allocate costs to different goods, services, or activities using the framework that cost

accounting offers. We examine the many grounds for calculating costs and overheads in this extensive discussion, covering fixed and variable costs, direct and indirect costs, absorption costing, activity-based costing, and overhead allocation techniques.

Comparing Direct and Indirect Expenses

The difference between direct and indirect costs is one of the core concepts in cost accounting. Expenses that may be linked directly to a particular item, service, or division are known as direct expenses. Raw materials, direct labor costs, and direct expenditures spent throughout the manufacturing process are a few examples of direct costs. These expenses are clearly recognized and have a high degree of precision when assigned to cost items. Conversely, indirect costs are those that are expended for the benefit of many cost objects or the organization as a whole but are not directly linked to a single cost object. Indirect expenses include things like utilities, rent, depreciation, and pay for administrative staff. Usually, indirect costs are assigned to cost objects using techniques of allocation that take into account activity levels or cost drivers.

Comparing Fixed and Variable Costs

Making the difference between fixed and variable costs is another crucial one in cost accounting. Fixed costs are expenses that don't change based on the number of sales or production. Rent, the salary of permanent staff, and insurance premiums are a few examples of fixed expenditures. Regardless of whether the company generates any product at all, fixed expenses must be paid. Variable costs, on the other hand, are expenses that change in direct proportion to variations in the amount of production or sales. Sales commissions, direct labor, and raw materials are a few instances of variable expenses. Variable expenses are closely related to the organization's production or sales activity since they fluctuate in tandem with changes in output levels. Cost-volume-profit (CVP) analysis is a crucial tool for understanding the differences between fixed and variable costs. It assists firms in identifying their break-even point, assessing pricing strategies, and selecting production levels and sales mix.

Comparing Variable and Absorption Costing

There are two techniques for allocating costs to goods or services: absorption costing and variable costing. Full costing, or absorption costing, assigns fixed and variable expenses to each product according to a predefined overhead rate. Fixed manufacturing overhead expenses are expensed when inventory is sold and absorbed into the cost of inventory under absorption costing. Conversely, variable costing treats constant manufacturing overhead costs as period expenditures and solely allots variable manufacturing costs to products. This method is often used for internal decision-making processes including pricing, product mix, and performance assessment because it produces a clearer separation between product costs and period expenses.

The kind of company, legal constraints, and management preferences are some of the variables that influence the decision between absorption costing and variable costing. Although generally accepted accounting rules (GAAP) mandate absorption costing for external financial reporting, variable costing offers useful information for internal decision-making and performance assessment.

Activity-based costing:

A cost allocation technique called activity-based costing (ABC) allocates indirect costs to cost objects in accordance with the activities that generate those costs. ABC analyzes cost

drivers that are causally related to overhead expenses and more precisely distributes costs based on activity consumption, in contrast to standard costing approaches that use arbitrary allocation bases like direct worker hours or machine hours.

The ABC technique consists of many processes, such as activity identification, activity rate calculation, identification of cost drivers for each activity, and cost allocation to cost objects according to activity consumption. ABC helps businesses make better choices regarding pricing, product mix, and process optimization by giving them a more precise insight of the cost structure of their goods, services, or clients. Although ABC provides a great deal of advantages in terms of cost accuracy and help for decision-making, its implementation and upkeep also demand a large time and resource commitment. Businesses must carefully weigh the advantages and disadvantages of using ABC to make sure it matches with their information requirements and strategic goals.

CONCLUSION

The concepts of costing are expanded upon by cost accounting, which includes a wider range of tasks and techniques used to methodically track, examine, and manage expenses within a company. To support management decision-making and performance assessment, it includes gathering cost data, creating cost statements, and analyzing cost behavior. When it comes to creating and executing cost accounting systems that are specifically suited to an organization's goals and requirements, cost accountants are essential. With the help of these systems, managers can keep an eye on performance, spot chances for cost savings, and decide how best to allocate resources by having fast and reliable information on expenses spent, fluctuations in costs, and trends. Furthermore, cost accounting includes a range of methods and resources for efficient cost analysis and management.

By creating predefined cost standards based on historical data and industry benchmarks, standard costing enables businesses to compare actual costs with standard prices and pinpoint anomalies that need further analysis and remedial action. Cost accountants use variance analysis to monitor variations between actual and planned or standard costs. This information helps management identify inefficiencies, strengthen cost control procedures, and improve overall operational performance. Furthermore, cost accounting uses methods like contribution margin analysis, breakeven analysis, and cost-volume-profit (CVP) analysis to evaluate the financial effects of various business choices, pricing schemes, and product mix scenarios. This helps to inform strategic planning and revenue optimization programs.

REFERENCES:

[1] P. Toscani and W. Sekot, “Forest accountancy data networks-A European approach of empirical research, its achievements, and potentials in regard to sustainable multiple use forestry,” *Forests*. 2018.

[2] J. Franc-Dabrowska, M. Madra-Sawicka, and J. Bereznicka, “Cost of agricultural business equity capital-a theoretical and empirical study for Poland,” *Economies*, 2018.

[3] Z. Hloušková, P. Ženíšková, and M. Prášilová, “Comparison of agricultural costs prediction approaches,” *Agris On-line Pap. Econ. Informatics*, 2018.

[4] F. Gebreiter, M. Davies, S. Finley, L. Gee, L. Weaver, and D. Yates, “From ‘rock stars’ to ‘hygiene factors’: Teachers at private accountancy tuition providers,” *Account. Hist.*, 2018.

[5] S. I. Ejike, "The Relevance of Forensic Accounting: Issues in Accounting and Auditing Practice in Nigeria," *IOSR J. Humanit. Soc. Sci. (IOSR-JHSS*, 2018.

[6] B. B. Cipiti and N. Shoman, "Bulk Handling Facility Modeling and Simulation for Safeguards Analysis," *Sci. Technol. Nucl. Install.*, 2018.

[7] P. Wibowo and A. Firmansyah, "INSPECTING THE PROFESSION OF GOVERNMENT ACCOUNTANTS IN THE FUTURE," *AFEBI Account. Rev.*, 2018.

[8] J. Aka, A. A. Ugaglia, and J. M. Lescot, "Pesticide Use and Risk Aversion in the French Wine Sector," in *Journal of Wine Economics*, 2018.

[9] I. D. Craigie and R. L. Pressey, "Towards a better understanding of protected area management costs," *PeerJ*, 2018.

[10] E. P. Ningrum and N. W. Setyawati, "The Effectiveness of Waste Bank Management with Simple Accountancy in The Marga Mulya Bekasi Society," *J. Ilmu Manaj. Ekon.*, 2018.

[11] A. R. Otete, "The influence of human capital recruitment strategies on the competitiveness of small and medium-sized practices (SMPs) in Uganda," *Int. J. Entrep. Proj. Manag.*, 2018.

[12] N. Tien Hung and H. Van Sau, "Fraud of Financial Statements at Listed Enterprises on Ho Chi Minh City Securities Department," *VNU J. Sci. Econ. Bus.*, 2018.

CHAPTER 5

EXPLORES THE CONCEPT OF ELEMENTS OF COST

Dr. N. Das Mohapatra, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-neel@muit.in

ABSTRACT:

The concept of cost constitutes a fundamental aspect of organizational management, serving as a linchpin in decision-making, resource allocation, and performance evaluation endeavors. This abstract embarks on a comprehensive exploration of the elements of cost, dissecting the intricate components that contribute to the overall cost structure within organizations. By elucidating the diverse elements of cost, including both direct and indirect costs, this abstract aims to deepen understanding and appreciation of their significance in shaping organizational strategies, operations, and financial outcomes. At its core, the elements of cost encompass the various components that contribute to the production or provision of goods and services within an organization. These elements span a spectrum of direct and indirect costs, each playing a distinct role in shaping the overall cost structure and profitability of the organization. Direct costs, also known as variable costs, are directly attributable to the production or provision of specific goods or services and vary in direct proportion to changes in output levels. Examples of direct costs include direct materials, direct labor, and direct expenses incurred in the production process. By tracing direct costs to specific cost objects, such as products, services, or projects, organizations can accurately determine the cost of production and assess the profitability of individual activities.

KEYWORDS:

Financial Performance, Financial Planning, Forecasting, Governance, Green Accounting, Innovation.

INTRODUCTION

The practice of allocating indirect expenses to cost items, such as goods, services, divisions, or clients, is known as overhead allocation. Different techniques are used to distribute overhead expenses, ranging from more complex techniques like activity-based costing (ABC) to more conventional techniques like direct labor hours, machine hours, or direct labor costs. Conventional overhead allocation techniques divide up indirect expenses into discrete allocation bases, such machine or labor hours. These techniques are straightforward and simple to use, but they could not precisely represent how overhead resources are really used by cost objects, which might cause distortions in how costs are allocated. A more advanced technique for allocating overhead is activity-based costing (ABC), which divides indirect expenses according to the activities that generate them. Based on the consumption of those activities, ABC determines the cost drivers for each action and assigns costs to cost objects. This method helps businesses to allocate resources more wisely and set more competitive prices by giving them a more realistic picture of the cost structure of their goods, services, or clientele[1], [2].

Using preset overhead rates, which are derived using activity levels and estimated overhead expenses, is an additional method of allocating overhead. Cost items, such as direct labor hours or machine hours, are subject to fixed overhead rates based on a predefined allocation

basis. The basis for determining costs and overheads play a crucial role in cost accounting and management decision-making. Although preset overhead rates provide a more methodical approach to overhead allocation, they could not correctly represent real overhead expenses incurred during the time. To effectively measure and manage costs, assess performance, and decide on resource allocation and pricing strategies, one must have a thorough understanding of the differences between direct and indirect costs, fixed and variable costs, and various cost allocation techniques. Through the use of suitable cost accounting methodologies and the allocation of expenses according to pertinent cost drivers, entities may augment their profitability, optimize cost effectiveness, and accomplish their strategic goals[3], [4].

Costing is the process of categorizing and allocating expenses in order to calculate the price of goods or services and to provide data in an acceptable manner for management control and direction. A specialized area of accounting is costing. Due to bank account limits, it was created. These days, it is essential that a company enterprise conducts its operations as efficiently and cheaply as possible. A new set of accounting rules was required for the determination and management of costs, leading to the emergence of "cost accounting" as a specialized area of accounting. The process of keeping track of costs from the moment an expense is spent or committed until its final link with cost centers and cost units is established is known as cost accounting. In its broadest sense, it includes the collection of statistical information, the implementation of cost-control strategies, and the evaluation of the financial viability of planned or executed operations.

Techniques for estimating

Each industry has its own set of procedures for determining the cost of manufacturing. It mostly relies on the production procedure as well as the techniques used to gauge the output of the department and the final goods. In general, there are two approaches to costing: Specific Order Costing Particular Sequence Costing is a class of fundamental costing techniques that may be used in situations where the work is divided into discrete tasks, batches, or contracts, each of which is permitted by a distinct order or contract. This category includes contract costing, job costing, and batch costing.

Costs of Operations

The category of fundamental costing techniques known as "operation costing" is used when a series of recurring, essentially continuous operations or processes yield standardized items or services. In these cases, expenses are incurred and then averaged across the units produced over the time. Below is a quick discussion of each of these techniques:

1. Job Costing:

With this approach, expenses are accrued and tallied independently for every task, work order, or project. Since each task may be recognized independently, it is crucial to analyze the costs for each job. Every job has a work card created for cost accumulation. Printers, foundries, machine tool makers, and ordinary engineering workshops may all use this technique[5], [6].

2. Contract Costing:

This technique is used to large-scale projects that take a long time to complete. Every contract is maintained in its own account. Builders, mechanical and construction engineering organizations, and contractors for civil engineering employ this technique.

3. Job costing is expanded upon by batch costing

A batch may be thought of as many small orders that are processed through the manufacturing together. Every hatch is costed independently and as a unit of measurement. The cost of the batch is divided by the quantity of units generated in a batch to get the cost per unit. This process is mostly used in the production of clothing, biscuits, and spare parts and components.

4. Process costing

This works well in industries where manufacturing is done in discrete, well-defined steps, whereby the final products of one process are used as the raw material for another, whereby multiple products with or without by-products are produced concurrently at the same process, and where products produced during a given process are identical.

It will be required to determine the cost of each process as well as the cost per unit at each stage as completed goods are acquired at the conclusion of each process. Every procedure has its own account setup, to which all expenses related thereto are billed.

The average of the expenses spent on the process over a certain time period yields the cost per unit. This is why average costing is the term for it. This is sometimes referred to as continuous costing since the manufacturing process for the items is ongoing. Process costing is often used in the paper manufacturing, tannery, textile, and chemical industries, among others[7], [8].

5. Costing of One Operation:

This is appropriate for sectors of the economy where production is constant and units are uniform. The mining, quarrying, oil drilling, brewing, cement, brick, and other industries use this technique. There is a natural or standard unit of cost in each of these sectors. For instance, a tonne of coal in collieries, a barrel of beer in breweries, a thousand bricks in brickworks, etc.

Finding the cost per unit of output as well as the cost of each component of that cost is the aim of this technique. In this case, cost sheets that are created for a certain time period serve as the cost accounts. The whole amount spent during a certain time period divided by the quantity of units generated during that period yields the cost per unit.

6. Service Costing:

This is appropriate for industries that provide services as opposed to those that produce commodities. This is used in transportation-related businesses, electricity providers, local government agencies, hospitals, lodging facilities, etc.

The cost of the services is determined using this approach. In these kinds of endeavors, a compound unit is often used, such as the tonne kilometer, kilowatt-hour, and patient day[9], [10].

7. Farm Costing:

This aids in figuring out the overall and per-unit costs of the several farming-related tasks. Agriculture, horticulture, animal husbandry, poultry farming, dairy, pisciculture, sericulture, nurseries for the production of plants and seedlings for sale, and the raising of fruits and flowers are all included in the category of agricultural activities.

By determining the profit on each line of farming activity, farm costing helps to improve farming practices and lower production costs. It also helps to secure loans from banks and other financial institutions, as these institutions base their loan decisions on accurate cost accounting records.

8. Operation Costing:

The multiple operation manufacturing process comprises many discrete operations. It alludes to the cost of transforming raw resources into completed items, or conversion cost. When determining input units and cost, this technique accounts for rejections in each step. The many machine screw procedures include threading, trimming, knurling, and stamping. The final result is used to calculate the cost per unit.

9. Many Costing

This refers to the use of many costing techniques for the same product. This is appropriate for sectors of the economy where many constituent pieces are manufactured independently and then put together to form a finished product. Each component in these sectors is unique in terms of cost, material composition, and manufacturing technique. Therefore, it will be required to determine the price of every part.

Process costing might be used for this. Batch costing may be used to determine the final product's cost. Manufacturers of bicycles, cars, motors, radios, typewriters, airplanes, and other sophisticated items employ this process in their facilities. The most recent CIMA Terminology no longer includes this technique.

DISCUSSION

The components that make up the manufacturing cost are referred to as the cost elements. Three categories are used to group these costs. In a manufacturing company, labor and other service units assist transform raw materials into a completed product. They are Labor, Material, and Expenses. The technique of estimating costs using real data is known as cost ascertainment. Therefore, estimating future costs is different from determining past expenses, which is called cost ascertainment. It describes the procedures and techniques used to determine actual costs incurred based on data from actual cost records. It entails calculating historical cost, or the cost that has previously been paid for. There are other ways to calculate costs, such as job costing, contract costing, process costing, operational costing, etc., based on the requirements of each approach. Calculating real costs is helpful in removing inefficiencies and scrap, but it cannot be used to determine tender prices, measure performance efficiency, or other tasks. If a company has a good costing system in place, the determined costs will be of great assistance to the management in estimating reasonable, accurate expenses, which are required for the several previously mentioned reasons. Furthermore, the calculated cost may be continuously compared to the pre-planned expenses, allowing for the timely and appropriate implementation of cost-control and profit-maximizing measures.

Heads

All indirect expenditures associated with operating a firm are referred to as overhead costs. These ongoing costs help your company but have nothing to do with the development of a product or service. Not only is it crucial to calculate overhead expenses for budgetary purposes, but it also helps determine the appropriate price a firm should charge for a product or service in order to turn a profit. For instance, in addition to the direct expenses of delivering the service, a service-based firm will also have overhead costs like rent, electricity,

and insurance. Even while overhead expenses are not directly related to producing a profit, they are nonetheless required since they provide the profit-creating operations vital support. The kind of company determines the overhead expenses.

The overhead expenses of a merchant and a freelancer, for instance, will vary significantly. Rent, utilities, insurance, office supplies, travel, advertising costs, accounting and legal fees, wages and salaries, depreciation, property taxes, government fees and licenses, and wages are a few instances of overhead costs. Rent, payroll, insurance, and other constant monthly and yearly expenses are examples of overhead costs. Variable costs, like as advertising expenditures, might change month to month depending on the volume of company activity. Additionally, some businesses divide these expenses into expenditures related to production, selling, and administration. Manufacturing overhead is the total cost of all expenses incurred by a manufacturing plant, excluding direct costs. Administrative overhead include front office administration and sales expenditures. Overhead expenses do not include direct costs like labor and materials used in the production of goods and services. To determine the long-term pricing for their products and services, businesses must account for both direct costs and overhead. By doing this, the company may generate long-term profit[11], [12].

System of activity-based costing and management

In the area of cost accounting and management, activity-based costing (ABC) and activity-based management (ABM) have become strong tools that provide businesses a more precise and perceptive way to analyze their cost structures, allocate resources, and make strategic choices

In this in-depth conversation, we explore the fundamentals, applications, advantages, and difficulties of Activity-Based Costing and Management Systems, investigating how they help businesses increase productivity, maximize resource use, and boost profitability.

ABC (activity-based costing) tenets:

A cost allocation technique called activity-based costing (ABC) allocates indirect costs to goods, services, or activities in accordance with the activities that generate those costs. ABC analyzes the cost drivers for each activity and assigns costs more precisely based on the consumption of those activities, in contrast to standard costing approaches that allocate overhead costs using arbitrary allocation bases such direct worker hours or machine hours.

The foundation of ABC is the knowledge that not all expenses are determined by variables connected to volume, such direct labor or equipment utilization. Numerous actions carried out inside a firm, including setup, material processing, and quality control, and customer support, result in a significant amount of overhead expenditures. ABC presents a more detailed and nuanced picture of the cost structure of goods, services, or clients by highlighting these activities and the related cost drivers.

Activity-Based Costing (ABC) Implementation:

Activity-Based Costing (ABC) adoption entails a number of crucial processes, such as:

Recognizing Actions

Finding the organizational activities that use resources is the first step in putting ABC into practice. The procedure may include carrying out process mapping exercises, conducting staff interviews, and examining historical cost data to pinpoint crucial tasks across several departments and functions.

Finding the Cost Drivers

Finding each activity's cost drivers comes next once the activities have been identified. Cost drivers are things like the quantity of setups, machine hours, or orders handled that result in expenses being incurred. Accurately assigning costs to cost objects depends on determining the right cost drivers.

Determine Activity Rates

The organization determines activity rates for each activity after determining activities and cost drivers. Activity rates are computed by dividing the entire cost of the activity by the total volume of the cost driver. Activity rates show the cost per unit of activity.

Distributing Expenses

Following the computation of activity rates, expenses are distributed among cost objects (i.e., goods, services, or clients) according to the amount of activities used. To get the total cost allotted, multiply the activity rate by the cost driver volume that is connected to each cost item.

Examining Outcomes

Analyzing the cost allocation data and using them to guide choices on pricing schemes, resource allocation, and process enhancements is the last phase in adopting ABC. ABC facilitates the identification of cost-reduction options, evaluation of the profitability of goods or consumers, and strategic decision-making to improve overall performance for enterprises.

Activity-Based Costing's (ABC) advantages include:

Comparing Activity-Based Costing (ABC) to conventional costing techniques has several advantages, such as:

More Precise Cost Distribution

By identifying the activities that drive costs and distributing expenses based on the consumption of those activities, ABC offers a more precise and comprehensive perspective of the cost structure of goods, services, or consumers.

Improved Analysis of Product and Customer Profitability

By more precisely assigning expenditures according to the activities that cause those costs, ABC enables firms to evaluate the profitability of their goods, services, or clients. This makes it possible for businesses to pinpoint lucrative clients or goods and concentrate efforts on those regions that provide the most profits.

Conformity to Strategic Goals

By concentrating on tasks that benefit the company and assisting in the development of decision-making procedures that are in line with overarching strategic objectives, ABC assists in coordinating cost allocation with strategic goals.

The difficulties with activity-based costing, or ABC:

Activity-Based Costing (ABC) has several advantages, however implementing it might provide a number of difficulties for businesses, such as:

Intricacy

Implementing ABC may be difficult and time-consuming, since it takes a lot of resources and experience to precisely compute activity rates, identify activities, and identify cost drivers.

Information Needs

ABC's ability to distribute resources efficiently depends on precise and thorough data. The data required for ABC may be difficult for organizations to get, analyze, and manage, especially if their data systems are out-of-date or fragmented. Employee resistance to change Employees used to conventional costing techniques may object to changes that ABC may necessitate to current systems, procedures, and organizational structures.

Benefit vs. Cost

Against make sure the investment is justified, the costs of adopting ABCsuch as time, resources, and trainingmust be compared against the possible returns.

Subjectivity

Subjective assessments and assumptions may be made throughout the process of defining activities and identifying cost drivers in ABC, which may have an impact on the precision and dependability of cost allocations.

Despite these obstacles, a large number of businesses have effectively adopted activity-based costing (ABC) and seen major improvements in performance, decision-making, and cost management. Organizations may improve their competitiveness in the ever-changing business landscape and get useful insights into their cost structures by embracing the advantages and overcoming the obstacles presented by ABC.

Management Based on Activities (ABM):

Activity-Based Management (ABM), which emphasizes leveraging cost information to enhance organizational performance and accomplish strategic goals, is a complementary approach to Activity-Based Costing (ABC). In order to find potential for cost reduction, process optimization, and value creation across many departments and functions inside the company, ABM analyzes cost data. The following are the main tenets of activity-based management, or ABM:

Cost Analysis

To determine cost drivers, comprehend cost behavior, and evaluate the effect of cost adjustments on organizational performance, ABM analyzes cost data produced by ABC.

Evaluation of Performance

To create performance metrics and key performance indicators (KPIs) that support business goals and objectives, ABM leverages cost data. Organizations may evaluate their progress toward strategic goals and find opportunities for improvement by measuring performance against these measures.

Process Enhancement

To increase productivity and save expenses, ABM focuses on locating and removing non-value-added tasks and optimizing workflows. Organizations may increase overall performance by implementing targeted enhancements by identifying process bottlenecks and inefficiencies.

Allocation of Resources

By determining which activities provide the most value to the business and reallocating resources appropriately, ABM assists companies in making more efficient use of their resource allocation. Companies may optimize value generation and improve returns on investment by coordinating resource allocation with strategic goals.

Methodical Scheduling

ABM offers insights into value drivers, competitive positioning, and cost structures to help strategic planning processes. Organizations may create more competitive and long-lasting strategies by integrating cost information into their strategic decision-making process. Activity-Based Management (ABM) and Activity-Based Costing (ABC) provide firms with effective tools to help them better understand their cost structures, allocate resources more precisely, and decide on pricing and process improvements.

Kaplan and Bruns initially defined activity-based costing in the late 1980s. It may be seen as the more up-to-date version of absorption costing, giving managers a greater understanding of the net profitability of their products and customers. This gives the company additional information with which to make value-based and, therefore, more sensible choices.

CONCLUSION

Indirect costs are those that are spent to support the general operations of an organization but are not able to be immediately linked to particular cost items. Indirect costs, often known as overhead costs, include a wide variety of expenditures such as marketing and distribution charges, industrial overheads, indirect labor, and indirect materials. Indirect costs, which may include both fixed and variable components, are more stable in the near term than direct costs, which fluctuate in response to shifts in production levels. Because indirect costs are shared and do not follow a straight causal relationship, it is difficult to assign them to cost objects. Instead, allocation bases or cost drivers are used to assign indirect costs to various cost centers or activities according to levels of use or consumption. Furthermore, the components of cost comprise a wider range of expenditures spent across several functional domains inside an organization, rather than just the typical production-related costs. For example, selling and distribution costs include advertising, commissions on sales, transportation, and warehousing charges, among other costs related to marketing, sales, and distribution operations. The expenditures associated with supporting general management and administrative duties, including office rent, utilities, supplies, and staff wages, are referred to as administrative costs. Organizations may acquire insights into the factors that contribute to cost accumulation, find possibilities for cost savings, and make well-informed choices to improve operational efficiency and profitability by evaluating and classifying these different cost components.

REFERENCES:

[1] N. M. Russ, M. Hanid, and K. M. Ye, “Literature review on green cost premium elements of sustainable building construction,” *Int. J. Technol.*, 2018.

[2] N. Z. Mokhtar Azizi, N. Zainul Abidin, and A. Raofuddin, “Soft Cost Elements in Green Projects: Malaysian building industry,” *Asian J. Behav. Stud.*, 2018.

[3] U. Bukar Nuhu, H. Zafer Alibaba, and A. HalilZafer Alibaba, “Sustainable Materials and Elements in Low Cost Housing in North Central Nigeria,” *J. Homepage Int. J. Eng. Sci. Res.*, 2018.

[4] W. Drozd and A. Leśniak, "Ecological wall systems as an element of sustainable development-cost issues," *Sustain.*, 2018.

[5] İ. DOĞAN and N. DOĞAN, "A Review of Some Change-Point Detection Methods," *Turkiye Klin. J. Biostat.*, 2018.

[6] B. Kose Mutlu, B. Cantoni, A. Turolla, M. Antonelli, H. Hsu-Kim, and M. R. Wiesner, "Application of nanofiltration for Rare Earth Elements recovery from coal fly ash leachate: Performance and cost evaluation," *Chem. Eng. J.*, 2018.

[7] M. Marzouk, S. Azab, and M. Metawie, "BIM-based approach for optimizing life cycle costs of sustainable buildings," *J. Clean. Prod.*, 2018.

[8] C. Romero, S. Raynova, F. Yang, and L. Bolzoni, "Ultrafine microstructures in eutectoid element bearing low-cost Ti-Fe alloys enabled by slow bainite formation," *J. Alloys Compd.*, 2018.

[9] R. Lacal-Arántegui, J. M. Yusta, and J. A. Domínguez-Navarro, "Offshore wind installation: Analysing the evidence behind improvements in installation time," *Renewable and Sustainable Energy Reviews*. 2018.

[10] W. Lesyuk, C. Kriza, and P. Kolominsky-Rabas, "Cost-of-illness studies in heart failure: A systematic review 2004-2016," *BMC Cardiovasc. Disord.*, 2018.

[11] J. Keil, F. B. Mocnik, D. Edler, F. Dickmann, and L. Kuchinke, "Reduction of map information regulates visual attention without affecting route recognition performance," *ISPRS Int. J. Geo-Information*, 2018.

[12] H. J. F. Diógenes, A. L. H. C. El Debs, and I. B. Valente, "Tests on composite beams using new connections by adherence," *Proc. Inst. Civ. Eng. Struct. Build.*, 2018.

CHAPTER 6

ACTIVITY BASED COSTING AND ACCOUNTING SYSTEM

Dr. N. Das Mohapatra, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-neel@muit.in

ABSTRACT:

Activity-Based Costing (ABC) and Accounting System have emerged as pivotal tools in modern cost management strategies, offering a more accurate and insightful approach to cost allocation, decision-making, and performance evaluation within organizations. This abstract embarks on a comprehensive exploration of ABC and its integration into accounting systems, unraveling the intricacies of its methodology, applications, and benefits.

By dissecting the principles of ABC and its role in enhancing cost transparency, efficiency, and strategic decision-making, this abstract aims to provide a deeper understanding of its transformative impact on organizational management practices. At its core, Activity-Based Costing (ABC) represents a departure from traditional costing methods by focusing on the activities and processes that drive costs within an organization, rather than simply allocating overhead costs based on arbitrary measures such as direct labor hours or machine hours. ABC recognizes that not all costs are directly proportional to production volume and seeks to identify the underlying activities that consume resources and drive costs. These activities are categorized into cost pools, each representing a distinct set of activities or processes, such as setup costs, machine-related costs, or order processing costs. By tracing costs to specific activities and cost drivers, ABC provides a more accurate and granular view of cost structures, enabling organizations to better understand the drivers of costs and make informed decisions to optimize resource allocation and enhance profitability.

KEYWORDS:

Key Performance Indicators (KPIS), Lean Management, Life Cycle Costing, Market Dynamics, Metrics, Performance Management.

INTRODUCTION

ABC focuses on cost drivers, or the things that make costs go up. While activity-based costing also makes use of transaction-based drivers like the quantity of orders received, traditional absorption costing focuses more on volume-related drivers like labor hours. This makes it possible to link long-term variable overheads—which are often thought of as fixed costs—to specific goods. Activity-based costing offers a more precise way to calculate the costs of goods and services, which results in more precise price choices.

It improves managers' comprehension of overheads and cost drivers and raises the visibility of expensive and non-value-adding operations, enabling them to curtail or eliminate them. In order to develop more efficient methods to allocate resources and get rid of overheads, ABC facilitates effective operational cost challenge. Better product and customer profitability analysis is also made possible by it. It is compatible with performance management strategies like scorecards and continuous improvement[1], [2].

The process flow for activity-based costing

The best way to understand activity-based pricing is to go through each stage in detail. They are as follows:

a) Determine expenses

The first stage in ABC is to determine the costs we want to assign. Since we don't want to spend time on a project that is too big, this is the most important stage in the whole process. To ascertain the whole expense of a distribution channel, for instance, we would recognize the expenses associated with advertising and warehousing; but, we would exclude research charges, since these pertain to goods rather than channels.

b) Fill secondary cost pools

Rather of paying for a company's goods or services directly, fill cost pools with expenses spent in providing services to other divisions of the business. Typical secondary cost pool components include administrative wages, computer services, and related expenses that are subsequently attributed to other cost pools that have a closer relationship to goods and services. These secondary cost pools might exist in multiples, dependent on the kind of expenses and their distribution[3], [4].

c) Load major cost pools

Assign expenses to a group of cost pools that are more directly related to the production of products or services. Since expenses tend to arise at this level, it is highly typical to have distinct cost pools for each product line. Research & development, marketing, purchasing, and distribution are a few examples of these expenses.

In a similar vein, you may think about setting up cost pools for every facility or route of distribution. In order to appropriately allocate costs depending on batch size, you should think about establishing cost pools at the batch level if manufacturing batches have widely differing durations.

d) Measure activity drivers:

Data on the activity drivers that are used to assign costs from secondary cost pools to primary cost pools and from primary cost pools to cost objects should be gathered using a data collection system. Utilize activity drivers for which information is already being gathered wherever feasible, since gathering activity driver data may be costly.

e) Allocate costs from secondary pools to primary pools:

To allocate expenses from secondary cost pools to main cost pools, use activity drivers.

f) Charge costs to cost objects:

Each major cost pool's contents should be assigned to cost objects using an activity driver. Every expense pool will have its own activity driver. To get the cost per unit of activity, divide the total cost in each cost pool by the total amount of activity in the activity driver. Next, divide the cost per unit across the cost objects according to how they use the activity driver[5], [6].

g) Create reports by hand:

Create reports for management to review based on the ABC system's outcomes. Reports on revenues collected in each area, all direct expenses, and the overhead obtained from the ABC

system, for instance, would be generated if the system's original intention had been to gather overhead information by geographic sales region. This provides management with an accurate cost picture of the output produced by every area.

h) Utilize the knowledge:

The most typical response from management to an ABC report is to decrease the number of activity drivers that are used by every cost item. By doing this, the quantity of overhead expenses should be decreased.

The use of activity-based costing

Determining overhead use more accurately is the main benefit of using an ABC approach. With an ABC system in place, you may learn more about the following topics:

a) Activity Costs:

You may use ABC to determine if activity costs are within industry standards since it is intended to monitor activity expenses. If not, ABC is a great tool for gathering feedback while management concentrates on cutting costs by tracking the ongoing costs of certain services[7], [8].

b) Customer profitability:

Although product expenses account for the majority of expenditures spent for individual customers, overhead includes things like processing product returns, providing very high levels of customer support, and joint marketing agreements. These extra overhead expenses may be sorted through by an ABC system, which will also assist you in identifying the clients that are really bringing in a profit. Some unprofi clients may be sent away as a consequence of this study, while the clients who are bringing in the most money for the business may get greater attention.

c) Cost of distribution:

A typical business sells its goods via a range of channels, including mail-order catalogs, distributors, the Internet, retail stores, and online retailers. You may decide to change the way distribution channels are utilized or even eliminate unprofitable channels if you can reasonably identify which distribution channels are using overhead. Overhead accounts for the majority of the structural cost of operating a distribution channel.

d) Make or buy:

ABC gives you a clear picture of all the expenses related to producing a product internally, allowing you to determine exactly which expenses will go down if a product is outsourced and which expenses will stay.

e) Margin:

The margins of different items, product lines, and whole subsidiaries may be ascertained by appropriate overhead allocation from an ABC system. When figuring out how to allocate business resources to get the highest profits, this may be quite helpful.

f) Minimum price:

While the price that the market will accept ultimately determines how much a product is priced, the marketing manager should be aware of the product's cost to prevent offering a product that would result in a loss for the business on each sale. Based on the conditions in

which items are being sold, ABC is particularly excellent at identifying which overhead expenses should be included in this minimum cost[9], [10].

g) Production facility cost:

You may compare the production costs of various facilities by simply separating overhead expenses at the plant-wide level.

Issues with costs based on activities

With the greatest of intentions, many businesses start ABC initiatives, yet a surprisingly large percentage of them end up failing or becoming obsolete. These problems have several causes, which are as follows:

a) Cost Pool Volume

An ABC system's high information quality is a benefit, but it comes at the expense of utilizing a lot of cost pools, and the more cost pools there are, the more the system will cost to operate. Conduct a continuous examination of each cost pool's maintenance costs relative to the value of the information produced in order to lower this expense. By doing this, the number of cost pools ought to be kept within reasonable bounds.

b) Installation Time

When a corporation tries to deploy an ABC system across all product lines and facilities, multi-year installs are the standard due to the system's infamous difficulty of installation. Maintaining a high level of managerial and financial support for such extensive projects becomes challenging as the months pass without the installation being finished. ABC installations that are more focused and smaller have much greater success rates.

c) Data Sources from Multiple Departments

An ABC system could need data input from many departments, and each department might have higher priority than the ABC system. As a result, the likelihood that data inputs may eventually stop working correctly increases with the number of departments included in the system. By designing the system to just need information from the most encouraging managers, this issue may be avoided[11], [12].

d) Project Basis

Since many ABC programs are approved on a project basis, data is only gathered once. This means that although the information is helpful for a firm's present operational state, its value steadily decreases over time as the operational structure of the organization changes. ABC initiatives are often "done" once and then abandoned since management may not approve money for more of them in the future. In order to address this problem, include as much of the ABC data gathering structure as possible into the current accounting system. This will minimize the cost of these projects and increase the likelihood that more ABC projects will be approved in the future.

e) Reporting of Unused Time

When asked to report how much time they spend on different tasks, workers strongly want to ensure that the quantities they report match up to 100% of their total time. But every workday has a significant amount of idle time that may be used for breaks, meetings with administrators, online gaming, and other activities. Workers often conceal these activities by

devoting more time to other pursuits. These exaggerated figures show how expenses were misallocated inside the ABC system, sometimes by significant margins.

f) Separate Data Set

It is uncommon for an ABC system to be designed in such a way that it can extract all the data it requires straight from the general ledger. Rather, it needs its own database that aggregates data from several sources, but only from general ledger accounts that are already in existence. Maintaining this additional database might be challenging since it requires a large amount of additional staff work that may not be funded. Designing the system to need the least amount of extra information beyond what is already included in the general ledger is the best workaround.

g) Targeted Usage

In complex production environments, where there are multiple product lines, machines used for multiple product productions, multiple machine setups, and other factors that make it difficult to discern cost accounting information, the benefits of ABC are most evident. If a business doesn't function in such a setting, it can invest a lot of money in an ABC installation only to discover that the information it receives isn't really useful.

DISCUSSION

Some cost items tend to fluctuate directly with output volume, whereas other cost items are unaffected by variations in output volume, according to an analytical analysis of the behavior of overheads in relation to changes in output volume. The variable overheads are represented by the former type of charges, and the fixed overheads by the latter. Additionally, there are certain expenditures that are classified as semi-variable or semi-fixed because they are partially fixed and partially changeable.

Because of seasonal variations as well as other variables, the production volume varies throughout time. Although fixed costs remain constant throughout time, variations in the unit cost of items produced over time lead to the need to compare costs across time periods. Fixed costs are considered period expenses and are not included in product costs in order to avoid this unequal incidence of fixed costs on output units. Once again, whether or not the facilities are utilized at all or to what degree will depend on the built capacity. Once certain facilities are constructed, some expenses will need to be paid regardless of how much or how little is used. There is reason for separating fixed expenses from product costs from this perspective as well.

The traditional method of calculating cost is called "full costing," or absorption costing. It involves charging activities, processes, and products for all costs—fixed and variable. It is the most traditional and extensively used method of estimating costs. This method of costing consists of direct expenses plus overhead charges that are absorbed on an as-needed basis. This method only maintains the same cost per unit when the output level does. However, since fixed costs are present and stay constant, the cost per unit likewise varies as the production level does. The management has a challenge when making managerial choices since the absorption costing approach changes the cost per unit as the amount of production varies. If there is just one product, no inventory, and the overhead recovery rate is determined by typical capacity rather than the real level of activity, absorption costing may be helpful.

It is the traditional and most used method of estimating costs. "The practice of charging all costs both fixed and variable to operation, processes, or products" is how CIMA, London, defines absorption costing. With this method, the total cost of the product is comprised of all

direct expenses as well as fixed manufacturing overheads that are absorbed at a set rate based on typical capacity. Overhead for selling, administration, and distribution is written off against revenue for the period in which it was spent since these expenses are considered period expenditures.

The attributes or traits of absorption costs

The following are the fundamental elements of absorption costing:

a) All fixed factory overheads and variable manufacturing expenses are considered product costs and are thus applied to the goods, activities, or processes.

b) All overhead related to selling, administration, and distribution is written off against the period's earnings as it is considered a period expense.

b) The value of closing inventory includes fixed factory/production overheads since fixed factory overheads are included in unit cost.

d) In absorption costing, the cost per unit only stays constant in the event that the output level stays constant. But because fixed expenses are involved, if the production level varies, the cost per unit also does.

Cost formula

Business organizations use cost equations, which are mathematical formulas, to project the anticipated costs related to the manufacture and sale of a certain quantity of items. Both variable expenses that vary according to sales volume and stable overhead costs are usually included in the calculation. Businesses use the cost equation by substituting sales volume for the variable and calculating the cost of manufacturing.

Drawbacks and shortcomings of absorption costing

The shortcomings / drawbacks of absorption costs are as follows:

a) Difficulty in cost comparison and control

Because absorption costing is based on production level, various unit costs are determined for varying output levels. Because fixed expenditures exist, a decrease in production often leads in a higher cost per unit, while an increase in output volume typically yields a lower cost per unit. This complicates cost comparison and control.

b) Not very helpful when making managerial decisions

Absorption costing is not very helpful when making decisions about the right product mix to choose, whether to manufacture or buy, whether to accept an export order or not, how to choose among alternatives, what price to set as a minimum during a downturn, how many units to sell in order to make a profit, etc.

c) Cost vitiation due to fixed costs included in inventory valuation:

Because closing stock is valued at cost of production, which includes fixed costs, a part of fixed costs in absorption costing are carried over to the next period.

d) Inclusion of fixed expenses in costs is not justified:

A lot of accountants contend that fixed costs related to manufacturing, administration, selling, and distribution are period expenditures that don't result in additional advantages, thus they shouldn't be included in the price of the product.

e) Arbitrary fixed overhead allocation

Proper overhead cost allocation is necessary for the product costs calculated using this methodology to be legitimate. However, in reality, a lot of overhead expenses are allocated using arbitrary techniques, which eventually leads to erroneous and unreliable product prices.

f) Not useful for creating a flexible budget:

No difference is made between fixed and variable expenses in absorption costing. Without this difference, it is impossible to construct a flexible budget.

Volume profit solution at a cost

The Cost-Volume-Profit analysis is very helpful to management since it sheds light on the relationships and impacts of several aspects that affect the company's earnings. The connection between volume, profit, and cost constitutes an enterprise's profit structure. For this reason, profit planning and budgeting depend on the CVP connection. Determining the maximum sales volume to prevent losses and the sales volume at which the company will reach its profit objective serves as a starting point for profit planning. Ultimately, it assists management in determining the most profitable mix of expenses and production output. Therefore, a dynamic management continuously forecasts and assesses the effects of its short-term choices concerning fixed expenses, marginal costs, sales volume, and selling price on its profit goals via the use of CVP analysis.

An analytical technique for examining the link between volume, cost, pricing, and profits is cost-volume-profit analysis. It closely resembles an extension of marginal costing, if not a component of it. It is a crucial step in the company's profit planning procedure. Budgets and other projections are used in official profit planning and control, however, and the CVP analysis merely offers a high-level picture of the profit planning process. It also helps in assessing the intent and plausibility of these projections and budgets.

Costs, volume, and profit the three components of CVP analysis—are related to and rely upon one another. For instance, profit is dependent on sales, selling price is mostly dependent on cost, and cost is dependent on production volume since only variable costs change directly with production while fixed costs stay constant regardless of production amount.

An effort is made to analyze the link between changes in cost and variations in volume in cost-volume-profit analysis. A natural progression of marginal costing is cost-volume-profit analysis. It is predicated on the same ideas as dividing operational costs into fixed and variable costs. In the hands of policymakers today, it has developed into a potent tool to maximize profits.

The ultimate purpose of almost all commercial endeavors is to maximize profit. The degree of output is the primary element impacting profit making. In order to maximize earnings, cost-volume-profit analysis looks at how expenses and profit relate to company volume. Numerous factors, including rivalry, the launch of a new product, a trade boom or bust, rising consumer demand, a shortage of resources, shifting product pricing, etc., may cause a shift in the level of production. In these situations, management has to examine how the shifting output levels would affect profit. In this way, management may benefit from a variety of tactics. The examination of cost, volume, and profit is one such method.

Both a more limited and a more comprehensive interpretation of the phrase "cost volume profit analysis" are accepted. When used more narrowly, it refers to determining the activity level at which the total cost and the total sales value match, or the "crisis point." Stated

differently, it assists in determining the production level that divides expenses and earnings equally. When used more broadly, it refers to the analytical method that establishes sales value, profit, and cost at various production levels. The link between cost, volume, and profits is established by the cost-volume-profit analysis.

CONCLUSION

Implementing ABC is to identify and categorize the cost drivers and activities that go into producing or delivering products and services. This entails examining the several steps in the manufacturing process, including setup, machining, assembly, inspection, and packing, and figuring out the cost factors that affect how much resource is used in each step.

Depending on the kind of operation, cost drivers might be things like the quantity of setups, human hours, machine hours, or transaction volumes. Costs are assigned to cost objects, such as goods, services, or customers, based on their consumption of cost drivers and activities, as opposed to arbitrary allocation grounds, after activities and cost drivers have been recognized.

The creation and use of Activity-Based Costing (ABC) models and systems, which collect and process cost data in an organized and methodical way, are necessary for the integration of ABC into accounting systems. This might include gathering, compiling, and analyzing cost data from several sources within the company using databases and specialist software tools. ABC systems provide managers access to timely and pertinent cost data that helps with decision-making related to pricing, product mix, outsourcing, and investments. ABC systems help managers make well-informed choices that improve productivity, profitability, and competitiveness by coordinating cost information with corporate goals and priorities.

REFERENCES:

[1] K. Ismail, C. R. Isa, and L. Mia, “Market competition, lean manufacturing practices and the role of Management Accounting Systems (MAS) information,” *J. Pengur.*, 2018.

[2] Y. Murdayanti and U. Purwohedi, “The usefulness of financial accounting systems in Islamic Education Institutions: Lessons learned,” *Acad. Account. Financ. Stud. J.*, 2018.

[3] D. Primasari, M. B. L. Gaol, Susiana, and Fuad, “The implementation effect of accrual based accounting system to organizational performance with two moderating variables (An Empirical Study in Indonesia),” *J. Bus. Retail Manag. Res.*, 2018.

[4] A. Kwarteng and F. Aveh, “Empirical examination of organizational culture on accounting information system and corporate performance: Evidence from a developing country perspective,” *Meditari Account. Res.*, 2018.

[5] A. Trinandha, I. Ghozali, and Fuad, “Understanding the potential impact of accounting information system to computer accounting fraud,” *Int. J. Eng. Res. Technol.*, 2018.

[6] N. Z. M. Sari, “The business strategy and development life cycle with quality accounting information systems,” *Int. J. Sci. Technol. Res.*, 2018.

[7] M. S. Djanegara, S. Mulyani, D. M. Putra, N. A. K. Zahra, and M. A. Mauludina, “The effect of institutionalization isomorphic pressures and the role of knowledge management on investment decisions of the accounting information systems,” *Polish J. Manag. Stud.*, 2018.

[8] N. P. Nguyen, “Performance implication of market orientation and use of management accounting systems: The moderating role of accountants’ participation in strategic decision making,” *J. Asian Bus. Econ. Stud.*, 2018.

[9] L. Goretzki, E. Strauss, and L. Wiegmann, “Exploring the Roles of Vernacular Accounting Systems in the Development of ‘Enabling’ Global Accounting and Control Systems,” *Contemp. Account. Res.*, 2018.

[10] F. A. N. Al-Dalabih, “The Impact of the Use of Accounting Information Systems on the Quality of Financial Data,” *Int. Bus. Res.*, 2018.

[11] B. A. Boyanov and B. Boyanov, “The Digital Transformations in the Accounting Systems of the Bulgarian Enterprises,” *Th Int. Conf. Appl. Inf. Commun. Technol. Stat. Econ. Educ.*, 2018.

[12] B. O. Dalayeen and B. O. Al-Dalaien, “The impact of the Accounting Information System on performance of Jordanian commercial banks,” *Int. J. Res. Appl. Sci. Eng. Technol.*, 2018.

CHAPTER 7

MULTI PRODUCT SITUATION AND ALTERNATE CHOICE DECISIONS

Dr. Girish Chhimwal, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-girish.chhimwal@muit.in

ABSTRACT:

In the dynamic landscape of modern business, organizations often grapple with the complexities inherent in managing multiple products, each with its unique characteristics, demands, and profitability considerations. This abstract delves into the intricate dynamics of multi-product situations and the strategic decision-making processes involved in choosing between alternate options. By exploring the challenges, methodologies, and implications of managing diverse product portfolios, this abstract aims to provide insights into navigating complexity and optimizing decision-making in multi-product environments. Multi-product situations present organizations with a myriad of challenges, ranging from resource allocation dilemmas to product portfolio optimization and pricing strategies. The inherent diversity in product characteristics, market demand, production costs, and competitive dynamics necessitates a nuanced approach to decision-making that accounts for the complexities and interdependencies among different products. Organizations must strike a delicate balance between maximizing revenue and profitability across the product portfolio while effectively managing costs, risks, and market uncertainties. Moreover, they must consider factors such as product life cycles, market trends, customer preferences, and competitive positioning when making strategic decisions regarding product development, pricing, promotion, and distribution.

KEYWORDS:

Pricing Strategy, Procurement, Productivity, Profitability, Quality Management, Regulatory Compliance.

INTRODUCTION

The phrase "break-even analysis" is often used to refer to the study of cost-volume profit analysis, and many people use the two words interchangeably. This is true as the most popular kind of cost-volume-profit analysis is break-even analysis. There are two meanings for the word "break-even analysis": a restricted meaning and a wide understanding. When used narrowly, it describes a method for figuring out the point at which all costs and revenues equal one another also known as the point of no profit, no loss. Break-even analysis, in its broadest definition, is the study of the connection between costs, volume, and profit at various production or sales levels. The sales volume at which total revenue and total cost are equal is known as the break-even point. It is a zero-profit, zero-loss point. When a company's entire revenues match its total expenses, it is considered to have reached break-even. The word "break-even point" refers to the production level at which expenses and earnings are split equally. This is the "critical point," "equilibrium point," "balancing point," or "no profit, no loss" because contribution, or sales less marginal cost, equals fixed expenses at this point. The organization will benefit if production/sales rise beyond this threshold; if they go below this threshold, the organization will suffer a loss[1], [2].

Premises Regarding Break-Even Point

The following presumptions form the basis of the break-even point:

Production, administration, selling, and distribution costs may all be divided into fixed and variable components.

b) Variable cost varies directly with changes in output volume since it is always the same per unit of output, regardless of production level.

b) The fixed cost is the same for all production quantities.

d) At all production levels, the selling price per unit stays the same or stays constant.

e) The sole element affecting cost is the volume of output.

f) The overall level of prices will remain unchanged.

g) There is only one product, or if there are many, the sales mix doesn't alter.

h) The sales and manufacturing processes are in harmony.

Break-even charts' benefits

Here are some benefits of calculating break-even point or using break-even charts to show the link between cost, volume, and profit:

a) The break-even chart presents information in an easy-to-understand style, even for non-experts. At a look, the problem's whole concept is displayed[3], [4].

b) Because it examines the link between cost, volume, and profit at different production levels, the break-even chart is a valuable tool for management decision-making. Break-even charts make it extremely easy to see how changes in fixed and variable expenses, as well as changes in the selling price, affect profits at different production levels.

c) The break-even charts are useful for determining and analyzing the profitability of various items in varied scenarios.

d) An excellent tool for planning, growth, and forecasting is a break-even chart.

e) A management tool for cost control, the break-even chart shows how important fixed expenses are in relation to a product's overall cost.

f) Break-even charts may be used to calculate profits at different production levels in addition to identifying the break-even point.

g) You may also analyze the comparative plant efficiency of different businesses by using the break-even charts.

Benefits of the Break-Even Chart

A break-even chart has several benefits, but it also has the following drawbacks:

a) A break-even chart is predicated on many assumptions that could not always be true. For instance, selling prices do not stay the same forever and for all output levels due to competition and changes in the general price level; fixed costs do not remain constant after a certain level of activity; variable costs do not always vary in direct proportion to changes in the volume of output because of the laws of diminishing and increasing returns; etc.

b) The information provided by a break-even chart is restricted. To examine how changes in selling prices, variable costs, and fixed expenses affect profitability, we must create a variety of charts. In these situations, it becomes more convoluted and difficult to comprehend[5], [6].

c) Break-even charts simply show cost-volume profit connections, ignoring other crucial factors like the amount of capital invested, issues with marketing, regulations, etc.

d) A break-even chart is not a tool for management decision-making; it does not recommend any course of action or solutions to the management.

g) A break-even chart often only offers a static perspective of the issue at hand.

DISCUSSION

Because each product in these multi-product firms has a distinct selling price, variable cost, and, ultimately, contribution margin, doing a break-even analysis on them is more complicated. Additionally, we have to continue with the presumption that the sales mix stays same; in the event that it does alter, the CVP analysis has to be updated to account for the new sales mix. We will further assume, for the sake of clarity, that all expenses are associated with the firm as a whole and that each product helps to pay for these costs.

Multiple product scenario

We have assumed in our CVP study up to this point that a firm offers just one product, but in reality, we know this isn't the case. The majority of businesses work in a multi-product setting where they sell, produce, or provide a variety of services for many goods. Businesses charge varying prices for each of their goods or services, and there are differences in the expenses related to each of those goods or services. Furthermore, businesses must choose which goods to manufacture and sell in what quantities, or which services to provide, in order to maximize their profits. This is because they have limited resources, including labor and time. These profitability factors are often what give a sales mix choice some real weight[7], [8].

To do a break-even analysis for a business that offers a variety of goods or services, it's critical to comprehend the idea of a sales mix. The relative proportions of the items that a business sells are represented by a sales mix; that is, the share of the business's overall revenue that comes from products A, B, C, and so on. Sales mix is significant to managers and owners of businesses because, because different items have different profit margins, they want to create a mix that optimizes profit. If businesses can attain a sales mix that is dominated by high-margin commodities, services, or products, they may increase their earnings to the highest extent possible. A company's total profitability will often suffer if it concentrates on a sales mix that is mostly composed of low-margin goods.

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Controlling and implementing a budget

A budget is a financial or quantitative representation of the company goals and strategies that will be implemented in the next years. The process of creating budgets and other plans for the organization, management, and control of a commercial venture is referred to as budgeting.

The process of establishing different budgeted amounts for the companies for the upcoming period and then contrasting the budgeted amounts with the actual performance to determine any discrepancies is known as budgetary control. Budgets are created first, and then actual outcomes are documented. The management will be able to identify disparities and take corrective action at the appropriate moment by comparing the budgeted and actual amounts. The ongoing practice of financial management aids in coordination and planning. It also offers a means of control. Budgetary control is the goal, and a budget is only a tool to get there[9], [10].

J. Welsch connects budgetary control to daily control procedures, whereas Batty describes it as "A system which uses budgets as a means of planning and controlling all aspects of producing and/or selling commodities and services." In his words, "Budgetary control is utilizing the budget and budgetary reports at all times to coordinate, assess, and manage daily operations in line with the objectives outlined in the budget."

It is evident from the definitions above that financial control entails the following:

a) Budgets are created to establish the goals.

b) The company is split up into several departments that are in charge of creating different budgets.

b) A record of the actuals is made.

d) To examine the effectiveness of various cost centers, the budgeted and actual amounts are compared.

e) Whenever actual performance falls short of budgeted standards, corrective action is done right away.

Therefore, the following three characteristics define financial control:

I. Organizing

ii. Collaboration, as well as

III. In charge

Budgetary Control, Budgeting, and Budgetary

A budget is a plan's blueprint, written out in numerical terms. A method for creating budgets is called budgeting. Conversely, budgetary control describes the methods, techniques, and guidelines for using budgets to accomplish certain goals.

The three concepts are distinguished by Rowland and William as follows: "Budgets are the specific goals of a department, etc., whereas budgeting can be defined as the process of creating budgets." All of this is included by budgetary control, which also covers the science of budget planning as a means of creating a comprehensive management tool for corporate planning and control.

The Purpose of Financial Management

Planning and regulating policies need strict budgetary management. It serves as a coordination tool as well. The following are the primary goals of financial control:

a) To guarantee future planning via the establishment of several budgets. The enterprise's needs and expected performance are known.

b) To coordinate the efforts of many departments.

b) To run different departments and cost centers economically and efficiently.

d) Profitability growth and waste elimination.

g) To forecast future capital expenditures.

g) To consolidate the control framework.

g) Adjusting for departures from the prescribed norms.

h) Assigning responsibilities to different people inside the company.

Budgets vs. Forecasts

Budgeting and future planning may need forecasting, but the two are not the same thing. Forecasts are only informed estimates or deductions about what could occur in the future. As the management makes plans for the future, they must make projections.

The overall plan, in the words of Henry Fayol, the founder of modern management, is composed of many smaller plans known as forecasts. Planning and budgeting may be done logically with the help of forecasts.

When creating budgets, historical performance data, current circumstances, and anticipated future trends are all taken into account. A budget is a financial or quantitative representation of the company goals and strategies that will be implemented in the next years[11], [12].

The following succinctly describes the distinction between forecasting and budgeting:

1.A budget, on the other hand, pertains to planned events and is the quantitative representation of business plans and policies to be implemented in the future. Forecasts are simply well-informed estimations or conclusions about the future likely occurrences.

2.Where predicting stops is where budgeting starts. Actually. The budgets are logically prepared with the help of forecasts.

3.A prediction is only a likely occurrence over which control cannot be exerted, but a budget offers a benchmark for comparison with actual outcomes and is thus a crucial management control tool.

Fixed, flexible, and functional budgeting

One tool that might assist us in determining projected income and spending for a certain time frame is a budget. A budget is an official statement that is often prepared and reviewed on a regular basis, and it includes an estimate of income and spending for a certain future period of time.

A budget may be created independently for the whole company or just one department within it. Stated differently, it is a financial projection created by people or organizations with the intention of staying within certain budgetary constraints.

A useful budget

Functional budgets provide businesses the chance to examine certain organizational components. In order to better understand how functional budgets may enhance planning and management in a firm, we will look at three essential functional budgets: sales, production, and cash. Functional budgets deal with income and expenses related to a certain function,

such as a department or process. Budgets for business development, manufacturing, sales, and buying materials are a few examples of functional budgets. A functional budget is one that is linked to an organization's operations. As an example, consider the following budgets: cash, capital expenditure, labor, sales, production, overhead, and cost.

Functional Budget Types

Budgets for sales

Estimated sales for the budget period are included in this initial budget. It is sometimes referred to as the organization's spine. All other budgets are dependent on the sales budget, which serves as the foundation for budgeting. The sales budget must be prepared by the sales manager. The sales budget process is as follows: Historical Sales Data. Previous sales into the account serve as the basis for the sales budget. The sales over the last many years show fluctuations in the selling prices.

Budget for production. The sales budget informs the production budget. The issue of how much to create to fulfill budget sales emerges after the sales quantity and values are established. The amount of items that must be produced within the budget period is estimated in the production budget. The sales projection, plant capacity, closure and opening stock inventories, and the procurement of additional relevant parts are all taken into consideration while creating the production budget.

Budget for Production Costs

The expected cost of executing the production plans in accordance with the production budget is detailed in the production cost budget. It shows the price of several production cost components including labor, materials, and overheads that are either constant or semi-variable. The price might be stated in terms of a department or a product.

Budget for Purchases

Purchases made within the budgetary period are covered by the buy budget. It is used to describe the acquisition of fixed assets, raw resources, and utilities like gas and electricity. Creating a plan that enables all purchases at a minimal cost is the primary goal of the buy budget.

Budget for Labor Costs

The labor needs to satisfy the company's demand throughout the budget period are highlighted in the labor cost budget. Direct and indirect labor costs are always the main focus of the labor cost budget. The Personnel Department, which is in charge of hiring, educating, and promoting employees, is consulted on labor needs.

Budget for Promotion Overhead

The prediction for all production overheads to be incurred throughout the budget period is included in this budget. Three categories apply to industrial overheads: constant, variable, and semi-variable. The degree of equality that is expected to be attained seems to have been taken into account while creating this budget.

Budget for Capital Expenditures

This budget outlines the intentions for replacing fixed assets and increasing capital expenditures on aged assets. These might include new construction, land, plants, and so on.

Budget for Cash

The business's cash needs for the budgetary period are reflected in the cash budget. It contrasts the company's projected cash receipts and payments throughout the duration of the budget. It guarantees that there will be enough money on hand when needed.

The Master Budget

All of the functional budgets are combined into one cohesive budget in this one. It is a condensed outline of the company's management's suggested overall activities for a certain time frame. It is a summary budget that includes its functional budgets and is ultimately accepted, used, and authorized.

The specifics of the production, cash, and sales budgets, among others, are included in this budget. Once everything is finished, the budget committee will go over everything and, if accepted, send it to the board of directors. Once authorized and accepted, it becomes the company's goal to reach the intended goal within a certain time frame.

Budget: both set and flexible

Set Amount

Fixed budgets are created in advance of the start of the fiscal year, accounting for a certain level of activity. The budget will be created a month or two early, from November to December, if the fiscal year begins in January.

The budget will not be modified to reflect the changes in spending that result from the expected adjustments. The discrepancy between the actual and planned amounts is about twelve months. Fixed budgets are appropriate under static circumstances and are defined as "a budget which is designed to remain unchanged irrespective of the level of activity actually attained" by ICWA London. Utilizing this budget may be beneficial if sales, spending, and costs can be predicted more precisely.

Adaptable Spending Plans

A flexible budget is made up of many budgets for various activity levels. Consequently, changes according on the degree of activity accomplished. After accounting for unanticipated changes in the business environment, a flexible budget is created. A flexible budget is one that is intended to adjust based on activity level by understanding the distinctions between fixed, semi-fixed, and variable costs.

The variable budgets will be helpful in situations when activity levels fluctuate. This budget will be more appropriate when demand forecasting is unpredictable and the project runs in an environment where labor, materials, etc. are scarce.

Budgeting from Zero

"Zero-based budgeting" is a way to planning and creating the budget from zero, as the name suggests. Unlike conventional budgeting, which is based on past budgets, zero-based budgeting begins at zero. To use this strategy, you must first justify each and every spending before adding it to the real budget. By identifying areas where expenses may be reduced, zero-based budgeting seeks to reduce wasteful spending. Employee participation is vital in order to establish a zero basis budget. You may find out what type of costs the company will incur and where you can keep those costs under control by asking your staff. A specific expenditure should be removed from the budget if it doesn't help the company.

Zero-based budgeting means

In management accounting, zero-based budgeting is creating a budget from start using a zero-base. It entails reassessing each line item on the cash flow statement and providing justification for every expense the department will spend. Therefore, the definition of zero-based budgeting is a method of budgeting in which all of the expenses for the upcoming period are determined by taking into account the actual expenses that will be incurred, rather than using a differential basis that merely modifies the expenses incurred to account for changes in operational activity. Every action under this approach must be justified, outlining how each expense will benefit the business in terms of income.

In contrast to conventional planning, which makes the assumption that previous spending patterns, sales, and balances would persist, zero-based budgeting makes the assumption that no costs have been pre-committed or balances need to be carried forward. It is a technique for creating the budget with no previous basis, to put it literally. The goal of zero-based budgeting is to define a task and then finance the associated costs regardless of the existing structure of expenditures.

For instance:

Let's use the manufacturing division of business ABC as an example, which invested $10 million in equipment last year. Budgeting for the current year's expenses is the issue. There are many methods to do this: The Company’s board of directors chooses to raise or lower the department's spending by ten percent. Therefore, depending on the management's choice, ABC Ltd.'s manufacturing department will get either $11 million or $9 million. Senior management of the company may choose to provide the department with the same funding as it did the year before without increasing the budget or hiring more staff. Alternatively, management may choose to use zero-based budgeting, which deviates from the conventional approach by not using the $10 million from the previous year's budget. The adoption of zero-based budgeting entails the computation and justification of all departmental costs. This represents the real need of ABC Company's manufacturing division, which might be $10.6 million.

Zero Based Budgeting's Benefits

a) Accuracy: Zero-based budgeting forces every department to reexamine every line item in the cash flow and calculate their operating expenses, in contrast to conventional budgeting techniques that only include making a few random modifications to the budget from the prior year. This provides a clear image of expenses in relation to desired performance, which helps to some degree in cost reduction.

b) Efficiency: By looking at real numbers rather than past figures, this aids in the effective deployment of resources.

c) Decrease in redundant activities: By eliminating any ineffective or redundant actions, it makes it possible to find possibilities and more economical methods of carrying out tasks.

d) Budget inflation: The flaw in incremental planning is addressed by zero-based budgeting, where each line item must be justified.

e) Coordination and Communication: By including staff members in decision-making, it also enhances coordination and communication within the department and inspires motivation.

Despite the fact that zero-based budgeting seems to be a profitable approach, it's crucial to be aware of the following drawbacks:

Cons of Using a Zero-Based Budget

a) Time-Consuming: Compared to incremental budgeting, which is a much simpler approach, zero-based budgeting requires a lot more time from businesses or government-funded organizations annually.

b) High Manpower Requirement: Creating a whole budget from start might need a sizable workforce. It's possible that many agencies lack the necessary time and personnel.

c) Lack of expertise: It takes training for the managers to explain each line item and expense since it is a challenging assignment.

The goal of zero-based budgeting is to represent actual costs that a state or department will incur. This method of budgeting is more suitable, albeit taking more time. Ultimately, the decision to devote time and resources to the budgeting process in order to get more precise figures or to choose the simpler approach of incremental budgeting rests with the organization. It functions as a budgeting technique in which all of the costs for the next period are determined based on the actual costs that will be incurred, as opposed to the differential basis, which just modifies the costs incurred to allow for changes in operational activity. Using this approach, each action must be justified, outlining the money that each expense will bring in for the business.

CONCLUSION

The distribution of resources, including financial, human, and operational resources, across several goods or product lines is one of the most important factors to take into account in multi-product scenarios. To optimize total return on investment and maintain the viability and expansion of distinct product lines, organizations need to carefully assign resources and prioritize investments. This necessitates a thorough examination of each product's strategic significance, growth potential, and contribution to total revenue and profitability. Organizations may optimize the performance of their whole product portfolio by using techniques like resource-based allocation models, contribution margin analysis, and product profitability analysis to help them make well-informed choices regarding resource allocation and investment priority. Optimizing the product mix and portfolio to meet changing consumer preferences, organizational goals, and market dynamics is a crucial component of managing multi-product scenarios. Businesses must constantly assess the goods they provide and decide whether to launch new ones, discontinue failing ones, or alter current ones to better satisfy changing consumer needs. This calls for in-depth knowledge of consumer wants, competitive positioning, and market trends in addition to the capacity to predict and adjust to changes in consumer behavior, technology developments, and legal requirements. Organizations may evaluate the feasibility and possible effects of various product strategies with the use of decision support tools like scenario planning, market research, and product lifecycle analysis. This allows them to make well-informed choices on product portfolio management and optimization.

REFERENCES:

[1] W. Chen, H. Liu, and D. Xu, "Dynamic pricing strategies for perishable product in a competitive multi-agent retailers market," *JASSS*, 2018.

[2] S. S. Deshpande, "Various Pricing Strategies: A Review," *J. Bus. Manag.*, 2018.

[3] Q. Zhang, W. Wang, Y. Peng, J. Zhang, and Z. Guo, "A game-theoretical model of port competition on intermodal network and pricing strategy," *Transp. Res. Part E Logist. Transp. Rev.*, 2018.

[4] L. Jiang and M. Erdem, "Effects of Revenue Management Pricing Strategies on Perceived Fairness," *J. Hosp. Mark. Manag.*, 2018.

[5] T. Li, Y. Chen, and T. Li, "Pricing strategies of logistics distribution services for perishable commodities," *Algorithms*, 2018.

[6] F. Morimura and Y. Sakagawa, "Information technology use in retail chains: Impact on the standardisation of pricing and promotion strategies and performance," *J. Retail. Consum. Serv.*, 2018.

[7] X. Dong *et al.*, "A charging pricing strategy of electric vehicle fast charging stations for the voltage control of electricity distribution networks," *Appl. Energy*, 2018.

[8] W. Du, Y. Fan, and L. Yan, "Pricing strategies for competitive water supply chains under different power structures: An application to the South-to-NorthWater Diversion Project in China," *Sustain.*, 2018.

[9] J. Luo, H. Zhang, and H. Li, "Pricing strategies in online book industry: a comparative study," *Inf. Syst. E-bus. Manag.*, 2018.

[10] Y. J. Chen, Y. Zenou, and J. Zhou, "Competitive pricing strategies in social networks," *RAND J. Econ.*, 2018.

[11] W. H. Jiang and Y. L. Li, "Pricing Strategy of Parallel Trains of High-speed Railway Based on Passenger Choice Behavior," *Jiaotong Yunshu Xitong Gongcheng Yu Xinxi/Journal Transp. Syst. Eng. Inf. Technol.*, 2018.

[12] X. Gu, P. Ieromonachou, L. Zhou, and M. L. Tseng, "Developing pricing strategy to optimise total profits in an electric vehicle battery closed loop supply chain," *J. Clean. Prod.*, 2018.

CHAPTER 8

PROGRAMMED BUDGETING AND PERFORMANCE BUDGETING

Dr. Girish Chhimwal, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-girish.chhimwal@muit.in

ABSTRACT:

Programme budgeting and performance budgeting represent two distinct yet interconnected approaches to public financial management, each with its unique focus, objectives, and methodologies. This abstract embarks on a comprehensive exploration of these two paradigms, tracing their evolution, delineating their principles, and highlighting their roles in enhancing accountability, transparency, and effectiveness in government expenditure. By elucidating the key features, challenges, and benefits of programme budgeting and performance budgeting, this abstract aims to provide insights into their integration and synergistic potential in shaping modern governance and public administration. Programme budgeting emerged as a response to the limitations of traditional line-item budgeting approaches, which focused primarily on inputs and expenditures without adequately linking them to programmatic outcomes and performance. Programme budgeting seeks to align budgetary resources with the priorities and objectives of government programmes and activities, thereby enhancing accountability and transparency in public expenditure. Under programme budgeting, government budgets are organized and presented according to programmes or functional areas, rather than traditional line-item categories, enabling policymakers and stakeholders to better understand how resources are allocated and utilized to achieve specific policy goals and outcomes.

KEYWORDS:

Target Costing, Technology Adoption, Total Cost of Ownership (TCO), Transformation, Transparency, Value Chain Analysis.

INTRODUCTION

The US is where program budgeting first began to take shape. "Output budgeting" is the term used in Britain to describe it. It is mostly helpful to non-profits and government agencies. The creation of distinct budgets for various programs is given particular consideration in the budgeting of programs. In order to make the process of creating and assessing alternatives easier, programme budgeting uses an output-oriented program style that is focused on its goals. The anticipated income and expenses for a range of projects or products together referred to as the company's primary programs make up the program budget. A budget such as this may be created for every project or product line, including the expenses, revenues, and relative profitability of the different initiatives. Thus, program budgets are helpful in identifying areas where actions to save expenses and raise income could be necessary[1], [2]. They are also helpful in identifying program deficiencies and imbalances so that future remedial action may be implemented.

The purpose of program budgeting

The two primary goals of program budgeting are:

(a) Identifying the programs needed to carry out the mission; and

(b) Identifying the components of the programs.

c) Assigning funds to various initiatives.

d) Applying forecast study analysis: Programmed budgeting primarily takes multi-year predictions into account.

a) Analyzing approved programs' actual performance and contrasting it with budget performance

Success Budgeting

A performance budget is one that is created using projects, activities, and functions as its basis. One way to conceptualize performance budgeting is as a budgeting system in which input expenses are linked to outputs, or performance.

The process of analyzing, identifying, streamlining, and crystallizing specific performance objectives of a job to be completed over a period of time, within the framework of the organizational objectives, the purpose, and the objectives of the job, is known as the process of performance benchmarking (PB), according to the National Institute of Bank Management, Mumbai.

Performance Budgeting's Goals

A tool for allocating financial resources in accordance with goals and purposes is the performance budget. The prices of the several programs that are suggested to accomplish these goals are made very evident[3], [4].

b) It also provides information on how well each program is doing in terms of achieving its goals. Not only are expenses and accomplishments the center of attention. Both are essential components of authorizing expenditures and financial planning.

Aim for cycle costs

Toyota is credited for developing target costing in the 1960s. Throughout the Japanese automobile industry, the approach quickly gained traction, and by the 1990s, 80% of the country's manufacturing companies had embraced it. In other nations, the adoption rate was far slower. There is proof that Ford began using target costing ideas in the early 1990s, and since then, other organizations and nations have begun to adopt them more widely.

The target cost may be calculated as follows: target cost = selling price - projected profit margin. This is achieved by subtracting the profit margin from the market selling price. Target cycle costing is an activity that looks at all potential cost-cutting measures at the product planning, research, and development stage in order to reduce the life cycle costs of new products while maintaining quality, reliability, and other customer requirements. It is not a costing system in the traditional sense. According to the definition, the approach is particularly helpful in the early phases of the new product development process[5], [6].

Target Cycle Costing's characteristics

a) The state of the market affects the product's pricing. Instead of setting prices, the corporation is a price taker.

b) The desired selling price already accounts for the minimal necessary profit margin.

b) The management's approach includes an emphasis on efficient cost control and reduction.

d) When creating the entire selling price, considerations such as product design, specs, and consumer expectations are already taken into account.

e) The "cost reduction," which management hopes to achieve, is the difference between the goal cost and the existing cost.

f) To identify and reach the goal cost, a team is formed to combine tasks like designing, buying, manufacturing, marketing, etc.

Life cycle expenses

The idea of life cycle pricing is not new. The total amount of money spent on an item's support from the time of its conception and manufacture through its operation to the end of its useful life is its life cycle cost, according to White and Ostwald. This definition might be expanded to specifically include the price of recycling the product's materials after its useful life has ended. A method called life cycle costing keeps track of and aggregates the real expenses and income related to a cost item from the time of creation until it is abandoned. Tracing costs and revenues for a product base-by-base throughout many calendar periods is known as life cycle costing[7], [8].

The expenses spent from the time a product's original idea emerges from the research and development phase until the time its components are recycled at the end of its useful life are all included in the life cycle costs. This often occurs at the mature stage of the sales life cycle, when businesses use extension techniques to extend the life of their products and sales, and the rivalry shifts from price to product characteristics. Consider the evolution of the mobile phone from a tool for making phone calls to the product it is today and the industries that have grown as a result of it. The idea of life cycle costing should be taken into consideration when making product modifications, just as much as at the initial new product development stage. It may not be possible to anticipate the additional functionality and modifications at the initial design phase.

Characteristics of Life Cycle Costing

a) Product life cycle costing is the process of tracking a product's expenses and revenues over the course of many calendar years.

b) Product life cycle costing tracks the expenses associated with research, design, and development for each unique product, comparing the overall amount of these expenditures to the product's income.

c) Threats and opportunities vary throughout the product life cycle, necessitating the implementation of various strategic measures.

d) The life cycle of a product may be prolonged by identifying new applications, consumers, or ways to increase current users' consumption.

DISCUSSION

Management may reduce expenses by using costing techniques like budgetary control and standard costing. Within such systems, the focus is on the control devices rather than the operators of those instruments. A technique of management known as "responsibility accounting" assigns blame for cost containment. The individuals are held accountable for cost containment.

The individuals are given the proper power so they may continue to execute. The people given this responsibility will have personal responsibility if the performance does not meet

the predefined requirements. In responsibility accounting, people are prioritized above systems. For instance, Mr. A, the department manager, will be held accountable for maintaining budget control if he creates the department's cost budget. A will get comprehensive details on all expenses spent by his department. Should the expenses surpass the planned expenses, A will investigate the causes and implement the required remedial actions. A will bear direct accountability for his department's output[9], [10].

The primary emphasis of responsibility accounting is on responsibility centers. The administrators of the various activity centers are in charge of keeping their centers' expenses under control.

The people in charge of different centers get information regarding the expenditures associated with specific operations. The approach is very helpful in enforcing cost constraints since the performance is continuously compared to the established criteria. In contrast to cost accounting, which places more focus on cost ascertainment, responsibility accounting places more emphasis on cost management.

Charles T. Horngreen states that responsibility accounting is an accounting system that identifies different responsibility centers within an organization and reflects the goals and deeds of each of these centers by allocating specific revenues and expenses to the relevant center.

It's also known as activity accounting and profitability accounting. This definition states that the organization is split up into several responsibility centers, each of which is in charge of covering its own expenses. Every responsibility center's performance is routinely evaluated.

Responsibility accounting is that sort of management accounting that gathers and reports both planned actual accounting information in terms of responsibility centers, according to Charles T. Horngren. "Responsibility accounting is a system of accounting that recognizes various decision centers throughout an organization and traces costs to the individual managers who are primarily responsible for making decisions about the costs in question." This concept places a strong focus on defining the goals of responsibility centers and then documenting actual performance so that those in charge of different tasks may evaluate their effectiveness.

The Institute of Cost and Works Accountants of India states that "responsibility accounting is a system of management accounting under which a management information and reporting system is instituted to give adequate feedback in terms of the delegated responsibility and accountability is established according to the responsibility delegated to various levels of management." Under this method, organizational divisions or units under a particular person's control are formed as centers of responsibility and assessed on an individual basis[11], [12].

Characteristics of accountability accounting

The characteristics of responsibility accounting are as follows:

1. Inputs and Outputs, or Revenues and Costs:

Information about inputs and outputs is the foundation for the responsibility accounting system's installation and upkeep. Inputs are the tangible resources used by an organization, such as the amount of raw materials used and the number of labor hours worked. Costs are the monetary expressions for these inputs. Similarly, revenues are outputs that are stated in monetary terms. As a result, revenue and expense data serve as the foundation for responsibility accounting.

Planned and real Data or Budgeting

Both planned and real financial data are necessary for responsible accounting to be done effectively. For the establishment of a responsible accounting system, predicted future data is just as important as previous cost and revenue data. Each level of management receives communication about who is responsible for putting the plans into action via the budget. Profit planning, flexible budgeting, and fixed budgeting are all part of a same overall system of accountable accounting.

Identification of Responsibility Centers

The identification of responsibility centers is the central idea of responsibility accounting. The decision-making or authority-sector areas within an organization are represented by the responsibility centers. One person, or a small number of people, who are often the proprietors of a small business, may manage or have authority over the whole organization. Nonetheless, a big company is often split up into departments, divisions, or important pieces for efficient management. These organizational divisions or subunits are referred to as responsibility centers. A person in charge of overseeing the operations of a particular organizational subunit is in charge of a responsibility center.

Connection between Accountability Accounting System and Organizational Structure:

Establishing a good responsibility accounting system requires having strong organizational structures with distinct lines of authority and responsibility linkages. Additionally, the responsibility accounting system has to be created in a way that complements the organization's organizational structure. It has to be based on the authority-responsibility dynamics that already exist inside the company. Actually, a responsibility accounting system need to follow the organizational structure and provide financial data for assessing the performance of each person in charge of a certain task. Allocating Costs to persons and Restricting Their Efforts to Controllable Costs: The responsibility accounting system entails allocating costs and revenues to specific persons after the identification of responsibility centers and the establishment of authority-responsibility connections. A person may only be held accountable for expenses and income that he has clear control over when assessing his performance.

The ability of responsibility accounting to differentiate between controlled and uncontrollable expenditures makes it appealing. In contrast to conventional accounting, which groups and accumulates expenses based on functions (e.g., manufacturing, selling, and distribution costs) or product categories, responsibility accounting groups and accumulates costs based on controllability.

Move Pricing Policy

It is customary for big organizations with dispersed divisions to move products and services from one area of the business to another. To appropriately allocate expenses and income in such circumstances, the price at which the transfer should occur must be determined. Given that the transferring division will use the transfer price as a source of income and the division to whom the transfer is made will use it as an expense, it is easy to assess the relevance of the transfer price.

Performance Reporting:

The responsibility account functions as a control mechanism, as previously mentioned. For a control system to be successful, deviations from the plans must be communicated as soon as

possible so that future remedial action may be taken. Only when performance is recorded can the discrepancies be identified. Therefore, performance reports—also referred to as "responsibility reports"—that are created for each responsibility unit are the main emphasis of the responsibility accounting system. Reporting is done from the bottom up, as opposed to authority, which is done from the top down. The proper people in the relevant responsibility centers should receive these reports.

Participative Management

If a democratic or participatory style of management is used, where decisions are made after consulting subordinates and plans are laid out or budgets and standards are fixed based on mutual consent, the effectiveness of the responsibility accounting system will increase. By guaranteeing their engagement and setting and achieving their own objectives, it gives employees drive.

Reduction by Exception:

It is a well acknowledged reality that as management moves up the organizational ladder, less and less time is spent on control and an increasing amount of time is spent on planning. Therefore, a responsibility accounting system that works well must allow for management by exception, which means that management attention should be directed toward notable deviations rather than being overburdened with various routine tasks. Reports that are concise and require attention should be sent to higher levels of management in particular.

Centers of responsibility

A section or division of a business where the manager has some level of power and accountability is known as a responsibility center. The comprehensive organizational chart of the corporation makes sense as a resource for determining the centers of responsibility. The several departments that make up a firm are the most typical centers of responsibility. An operational unit or entity inside an organization that is in charge of all the duties and operations assigned to it is known as a responsibility center. Each of these centers has its own purpose, personnel, and goals, set of rules and regulations, and financial records. And are used to strike a balance between obligations pertaining to costs incurred, income earned, and money contributed by a person. Within a multinational or huge firm, each job is assigned to several minor divisions or groups after being split into subtasks. Every group inside that organization is a center of responsibility in this sense.

The idea of accountability centers

A responsible center is any organizational or functional unit managed by a manager who is in charge of that unit's operations. The manager bears accountability for the completion of the assignments assigned to his team. The overall organizational work is broken down into smaller tasks that are handled by several departments. An organization's departments are all centers of responsibility in this sense. Every center of responsibility uses resources to generate output. Usually, accountability is attributed to a center for income, expenses, profits, and/or investments. The choice will often be based on the tasks completed by the organizational unit and how the organizational control system measures inputs and outputs.

The phrase "Responsibility Center" describes an operational division of the company headed by a management who bears accountability for the division's operations, output, and financial outcomes, including spending, profit, and return on investment. A responsibility center has its own plans, strategies, rules, and processes, as well as goals and objectives. It also has a committed team or workforce that strives to meet its performance objectives and goals. The

firm's size, functions, activities, and general structure all vary as it develops and expands; thus, for improved management and control over the organization, it is divided into many centers, with the management delegating authority to the manager or supervisor. We refer to these centers as responsibility centers.

Various Responsibility Center Types:

The many kinds of responsibility centers are as follows:

Cost Center

A cost center is the smallest area inside an organization where a particular cost accumulation is sought. It is the division of the company into which the whole factory is suitably grouped. For the purposes of costing, it may be a department or a team that represents a single task, activity, process, or machine, the expenses of which are realistically and fairly distributed among the cost units. It is possible to compare the cost center's performance against predetermined benchmarks and spending limits. A person is allowed to manage the cost center and is held accountable for its performance and costs incurred. Cost centers are established after the identification of a reasonable foundation for tracking and attributing the cost of production.

Profit Center

This kind of responsibility center is in charge of all operations linked to manufacturing, as well as the selling of goods and the rendering of services. This means that the profit center managers are accountable for both the creation of income and the occurrence of expenses. Therefore, measurements are made of both inputs and outputs to determine the profitability of the company.

The profit centers seek to innovate and put into practice tactics that increase revenue from a given product, service, or endeavor. Profit centers include, for example, strategic business divisions.

Revenue Center

The revenue center is a distinguishing division of the company that is in charge of bringing in money by selling goods and providing services. The revenue center's effectiveness is assessed based on its capacity to produce revenue rather than the expenses spent. Reaching sales goals is the manager of the revenue center's responsibility. A revenue center that is in charge of meeting sales goals is the sales department of a business.

Investment Centers

These are accountability centers that oversee not only the unit's profitability but also have the authority to make critical choices on capital investments, including those pertaining to the company's credit, monetary, and inventory policies. Decisions on investments in production, advertising, and assets are made by the director of the investment center. The success of the investment centers is evaluated using return on investment as the foundation.

An operational unit or entity inside an organization that is in charge of all the duties and operations assigned to it is known as a responsibility center. Each of these centers has its own purpose, personnel, and goals, set of rules and regulations, and financial records. The phrase "Responsibility Center" describes an operational division of the company headed by a management who bears accountability for the division's operations, output, and financial outcomes, including spending, profit, and return on investment. A responsibility center has its

own plans, strategies, rules, and processes, as well as goals and objectives. Additionally covered in this course are the numerous responsibility center types, which may be generically categorized under four headings: cost center, profit center, revenue center, and investment center.

CONCLUSION

Performance budgeting, on the other hand, links budgetary resources to the efficiency and effectiveness of government programs and operations, emphasizing the accomplishment of targeted outputs and outcomes. Performance budgeting, as opposed to input-output monitoring, focuses on the outcomes and consequences of government interventions in an effort to increase public spending's efficiency, effectiveness, and accountability. By incorporating performance metrics, objectives, and indicators into the budgeting process, performance-based budgeting systems empower policymakers to assess the impact and cost-effectiveness of various programs and make well-informed choices on the prioritization and allocation of resources. Combining a methodical approach to resource allocation and spending control with an emphasis on program objectives and performance, the combination of program budgeting and performance budgeting represents a strategic shift in public financial management. Integrated budgeting systems aim to improve the efficiency, effectiveness, and accountability of government spending by coordinating budgetary resources with policy goals, performance targets, and intended results. Integrated budgeting systems improve the transparency and accountability of public spending by connecting inputs to outputs, outputs to outcomes, and outcomes to impacts. This helps stakeholders and policymakers better understand the outcomes and impacts of government programs and make informed decisions about resource allocation.

REFERENCES:

[1] D. H. Nguyen, C. Weigel, and M. R. W. Hiebl, "Beyond budgeting: review and research agenda," *Journal of Accounting and Organizational Change*. 2018.

[2] U. Habibah, I. Hassan, M. S. Iqbal, and Naintara, "Household behavior in practicing mental budgeting based on the theory of planned behavior," *Financ. Innov.*, 2018.

[3] S. A. Kenno, M. C. Lau, and B. J. Sainty, "In Search of a Theory of Budgeting: A Literature Review," *Account. Perspect.*, 2018.

[4] P. Graham and S. Sathye, "National differences in capital budgeting systems: A comparison between Indonesian and Australian firms," *Asian J. Bus. Account.*, 2018.

[5] I. Ouassini, "An Introduction to the Concept of Incremental Budgeting and Beyond Budgeting," *SSRN Electron. J.*, 2018.

[6] P. Alleyne, S. Armstrong, and M. Chandler, "A survey of capital budgeting practices used by firms in Barbados," *J. Financ. Report. Account.*, 2018.

[7] M. Radonić, "Beyond budgeting: Gaining competitive advantage through strategic changes in budgeting processes," *Megatrend Rev.*, 2018.

[8] D. Waithaka, B. Tsofa, E. Kabia, and E. Barasa, "Describing and evaluating healthcare priority setting practices at the county level in Kenya," *Int. J. Health Plann. Manage.*, 2018.

[9] L. Kengatharan, "Capital Budgeting Theory and Practice: A review and agenda for future research," *Am. J. Econ. Bus. Manag.*, 2018.

[10] M. J. Turner and L. V. Coote, “Incentives and monitoring: impact on the financial and non-financial orientation of capital budgeting,” *Meditari Account. Res.*, 2018.

[11] H. pin Lai and M. C. Tang, “Hospital efficiency under global budgeting: evidence from Taiwan,” *Empir. Econ.*, 2018.

[12] F. Ghasemi Bojd and H. Koosha, “A robust goal programming model for the capital budgeting problem,” *J. Oper. Res. Soc.*, 2018.

CHAPTER 9

EXAMINING THE ROLE OF GREEN ACCOUNTING

Dr. Girish Chhimwal, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-girish.chhimwal@muit.in

ABSTRACT:

Green accounting, also known as environmental accounting or sustainability accounting, has emerged as a critical tool in addressing the growing imperative for sustainable development and environmental stewardship. This abstract embarks on an exploration of green accounting, elucidating its principles, methodologies, and implications for organizational management and policymaking. By examining the role of green accounting in promoting transparency, accountability, and decision-making regarding environmental impacts and resource utilization, this abstract aims to provide insights into its transformative potential in fostering a greener, more sustainable future. Green accounting represents a departure from traditional accounting practices by integrating environmental considerations into financial reporting and decision-making processes. It seeks to capture the full range of environmental costs and benefits associated with economic activities, thereby providing stakeholders with a more comprehensive and accurate picture of the true costs and impacts of production and consumption. Green accounting recognizes that conventional accounting methods often fail to account for the environmental externalities and long-term sustainability implications of economic activities, leading to misallocation of resources, environmental degradation, and social inequities. By incorporating environmental data and indicators into financial statements, green accounting enables organizations and policymakers to better understand and manage their environmental footprints, mitigate risks, and identify opportunities for sustainable growth and development.

KEYWORDS:

Financial Performance, Financial Planning, Forecasting, Globalization, Green Accounting, Innovation.

INTRODUCTION

Economic analysis is another name for social cost-benefit analysis. A feasibility study, also known as an environmental assessment or SCBA, looks at a project from the perspective of the community to determine if it would benefit or harm it. In other words, it's a method that assesses a project's social and economic feasibility, particularly when it comes to public spending projects or donor-led initiatives. The welfare economics theory, which holds that a society's overall well-being is determined by the total individual utility levels of all of its members, is the foundation of the SCBA model. The 1960s and 1970s saw the first use of SCBA for the assessment of public investments. This approach received a lot of attention throughout those decades because to the significant increases in public investments made in many nations, particularly emerging nations. These days, SCBA is also becoming increasingly significant for private initiatives or investments, since these kinds of endeavors often run the risk of having a negative influence on society. When it comes to planned economies, SCBA helps assess specific projects within the framework of planning that outlines the goals of the national economy and the general distribution of resources among different sectors. Stated differently, the focus of SCBA is on making tactical decisions within

the larger framework of strategic choices that are determined by macro-level planning. The macro-level plans' viewpoints and criteria form the foundation of SCBA, a tool that analyzes and evaluates individual projects[1], [2].

Economic analysis, also referred to as social cost-benefit analysis, is a process used to assess investment initiatives. Stated differently, societal cost benefit analysis is focused on making tactical decisions within the larger framework of strategic choices that are determined by macro-level planning.

Many definitions of social cost-benefit analysis have been offered by different experts. It is described as "a systematic and logical process of identifying, assessing, and evaluating the costs associated with alternative activities which will effectively accomplish social and economic goals in addition to economic targets." Since social cost-benefit analysis is a relatively new idea, opinions on its underlying presumptions vary. In addition to standard financial and cost accounting, this kind of economic evaluation of the benefits and costs of the private sector's social responsibility performance was created. As per Michael Alexander, the term "social cost benefit analysis" refers to a project appraisal process that considers costs and benefits that go beyond the financial statements[3], [4].

Social cost-benefit analysis's goals

In its broadest meaning, social cost-benefit analysis aims to protect and attain the value of money in economic life by just weighing the advantages and disadvantages of many economic options and choosing the one that has the greatest overall advantage. Thus, it can be concluded that the primary goal of social cost-benefit analysis is to ascertain:

a) The project's economic advantages in terms of a price that is commensurate with social worth.

b) How the initiative affects the amount of money saved and invested in society.

c) How the initiative will affect how money is distributed in society.

d) The project's contribution to the accomplishment of certain merit-based desires.

Since social cost-benefit analysis is a relatively new idea, opinions on its underlying presumptions vary. It is a kind of economic assessment intended to supplement conventional financial and cost accounting by weighing the advantages and disadvantages of the private sector's performance in social responsibility. These days, social cost-benefit analysis is also becoming increasingly significant for private initiatives or investments, because these kinds of endeavors often have the potential to negatively affect society. Social cost-benefit analysis is a useful tool in planned economies for assessing specific projects in the context of the planning framework, which outlines the national economic goals and the general distribution of resources among different sectors. Put differently, social cost-benefit analysis is focused on making tactical decisions within the larger framework of strategic choices that are determined by macro-level planning [5], [6].

DISCUSSION

In the 1980s, economist and Professor Peter Wood popularized green accounting via his teachings. The introduction of green accounting into the business sector aims to raise awareness of the importance of environmental preservation and greenery. An additional rationale for the use of green accounting is to lessen the harm caused by commercial operations, therefore supporting a healthy environment that is vital to both the nation's economic growth and the future generation. The need and significance of advancing green

accounting techniques to the forefront of Indian accounting was first emphasized by Mr. Jairam Ramesh, the country's former environment minister.An important tool for understanding how the environment affects the economy is green accounting. Because of ongoing environmental exploitation that leads to environmental deterioration, which in turn causes global warming and other natural disasters, the very presence of the green accounting concept will serve as a warning about global warming. Therefore, governments and the business sector would both have responsibilities for the preservation and advancement of the environment. Because environmental destruction is solely the result of the business sector.

The definition of green accounting

A new accounting method called "green accounting" tracks the advantages and disadvantages that the environment has on businesses. Environmental accounting is another name for green accounting. Natural resources accounting is another name for green accounting. This innovative approach to sustainable accounting allows for the calculation of a country's revenue by accounting for the harm and depletion of an economy's natural resource base[7], [8].

Green accounting refers to the process of identifying, gathering, estimating, analyzing, reporting internally, and using energy and material data, as well as other cost data, for conventional and environmentally conscious decision-making inside an organization. A green accounting management system gives businesses the crucial data they need to fulfill their financial objectives, particularly when it comes to cutting expenses and lessening their environmental effect.

Advantages Value of Green Accounting

Environmental changes have an adverse effect on the economy in general as well as the environment. Furthermore, it is common knowledge that modifications in the economy directly impact modifications in every given firm. It's also important to remember that environmental and climatic change may have an impact on a nation's GDP. It is thus the most effective instrument for companies to comprehend and handle any possible trade-off between conventional economic objectives and environmental objectives. Additionally, it expands the amount of crucial data that is accessible for policy analysis, which is particularly essential because those crucial data points are often missed.Therefore, it can be concluded that in order to comprehend the concept of "better lose the saddle than horse," businesses who construct their accounting systems without accounting for environmental expenses must to satisfy this criteria as soon as feasible.

Green accounting's shortcomings

Because regional natural resource accounts are not included in the primary accounts of Green Accounting, Green Accounting does not contain complete natural resource accounting. It overlooks the fluxes and changes that occur within natural resources and instead concentrates on how to exploit them for commercial purposes[9], [10].

The kinds of information required for Green Accounting aren't accessible in the required manner. Thus, one of the primary issues with green accounting has been a lack of data. When environmental data are directly linked to data from current national accounts in order to prepare the Green Accounting, another issue occurs. They demand that environmental pollutant burdens be attributed to the relevant economic activity. On the other hand, identifying the sources of pollution is a prerequisite for calculating the costs of pollution prevention. However, it is unclear what exactly generates a lot of environmental

contamination. Assigning responsibility for environmental harm caused by several pollution elements will result in a very arbitrary process. When certain effects of environmental contamination take a while to manifest, that presents another issue. Making the incorrect policy choices will result from estimating solely the short-term effects. The Green Accounting lacks a straightforward, rationalized value method, in contrast to the market pricing used by the method of National Accounts. Various valuation challenges, such as preventative and restoration costs and contingent assessments based on surveys, are employed for various elements of environmental concerns. In Green Accounting, the majority of the constructs are theoretical and subjective.

Green Accounting Adoption Is Required

From a practical standpoint, protecting the environment and promoting economic growth are two different issues for emerging nations like India. The nation's economy has to be strengthened first since it is not in great shape. According to a World Bank report, India lost almost 34,000 crores as a result of environmental harm. Businesses are adopting green accounting, including AT&T.There are several regulations in place that require organizations to fulfill their social obligations in order to improve economic growth. Every firm has a primary obligation to use human and environmental resources to the utmost extent feasible. Business organizations utilize a lot of natural resources in the course of their operations, and many of the problems they generate are irreversible. Natural resources are becoming more and more important as time goes on and there are less and fewer environmental resources available. The corporate community is embracing this idea as well, and they have social obligations as well. Green accounting is accounting that takes the environment into consideration while doing its accounting. Because it offers so many benefits, green accounting is becoming more and more popular every day. An organization's use of green accounting demonstrates its commitment to environmental preservation. Unfavorable effects on the environment really have a big influence on the economy as a whole, which has an indirect impact on the business climate that companies operate in. Businesses that prioritize environmental sustainability must keep track of their environmental operations in order to calculate their genuine profits. In order to calculate its profit, they should continue to take into consideration the influence of their actions on the environment[11], [12].

A Conceptual Green Accounting Model

The purpose of this six-step strategy is to help businesses better organize their accounting and reflect environmental aspects in their financial statements.

Establishing Environmental Reporting Parameters:

A corporate organization is impacted by a number of environmental factors, including waste management, energy saving, sustainability, and health and safety. An organization engaged in business should determine which criteria are impacted by its activities.

b) Specifying the Chosen Parameter:

The business organization should provide a thorough description of the criteria that were determined in the previous phase, and a comprehensive report format should be created.

c) Determining the Environmental Targets:

Setting both short-term and long-term environmental objectives should guide the preparation of goals. Establishing these objectives is crucial, so create a framework for reports that is both effective and efficient.

d) Performance Indicator Developments:

The elements that a company should use to evaluate its own business processes are known as indicators. The Indian government's norms or customary business procedures might serve as these indicators. Every instance of a departure from these guidelines should be recorded.

e) Performance Indicator Measurement:

In general, indicators may be classified as either qualitative or quantitative. Business companies should evaluate both of these indicators in order to determine how their operations affect the environment. For instance, pollution generated by the organization itself need to be quantified, while pollution produced during product manufacture ought to be monitored qualitatively.

f) Reporting on Results of Performance:

Reports are created at this last step and sent to the relevant regulatory body. The financial effect of such procedures on the basis of performance metrics that the company has developed should also be included.

Indian legislation pertaining to the environment and green accounting

India's constitutional framework and its international obligations both recognize the need for environmental preservation and conservation as well as the sustainable use of natural resources. Every Indian citizen is obligated under the Constitution, specifically Part IVA, to preserve and enhance the natural environment, which includes forests, lakes, rivers, and animals, as well as to show compassion for all living things. Furthermore, the State must make every effort to preserve and enhance the environment, as well as to conserve the nation's forests and animals, according to Part IV of the Indian Constitution.

There were a number of environmental protection laws in place even before India gained its independence. However, it wasn't until after the UN Conference on the Human Environment that there was a real push to implement a well-developed framework. In 1972, the Department of Science and Technology established the National Council for Environmental Policy and Planning as a regulatory agency to oversee environmental matters after the Stockholm Conference. Later on, this Council developed into the official Ministry of Environment and Forests.

The 2010 National Green Tribunal Act

The National Green Tribunal Act, 2010 was passed with the intention of creating a National Green Tribunal to handle cases pertaining to environmental protection, the preservation of forests and other natural resources, the enforcement of environmental rights, and the provision of relief and recompense for harm done to people or property, as well as matters related or incidental to these issues.

On June 2, 2010, the President of India gave his assent to the Act, which the Central Government then put into effect by Notification No. S.O. 2569, dated October 18, 2010, became operative on the same day. As outlined in Schedule I of the NGT Act, the Act calls for the creation of the NGT to oversee the implementation of all environmental laws pertaining to air and water pollution, as well as the Environment Protection Act, the Forest Conservation Act, and the Biodiversity Act.

The National Environment Tribunal Act of 1995 and the National Environment Appellate Authority Act of 1997 are no longer in effect as a result of the National Green Tribunal Act

of 2010 being put into effect. In light of the National Green Tribunal's formation according to the National Green Tribunal Act, 2010 (Notification No.), the National Environment Appellate Authority, which was created under section 3 of the National Environment Appellate Authority Act, 1997, stands abolished. S.O. Dated October 18, 2010, 2570.

The 1981 Air Act

The Air Act of 1981 is a law that aims to prevent, regulate, and mitigate air pollution. It also establishes boards at the federal and state levels to carry out these objectives. The Air Act set ambient air quality guidelines to address the issues related to air pollution. In addition to outlawing the use of fuels and materials that pollute the air, the Air Act also regulates equipment that contribute to air pollution. The State Government may designate any place or locations within the State as air pollution control areas by virtue of the Air Act, provided that the SPCBs have been consulted. According to the Act, SPCB approval is required before building or running any industrial facility in the pollution control region. Additionally, SPCBs are supposed to check pollution control equipment, industrial processes, and the air in locations where air pollution is controlled.

The 1974 Water Act

In order to prevent and control water pollution and to preserve or restore the wholesomeness of the nation's water supplies, the Water Prevention and Control of Pollution Act, 1974 was passed. In order to accomplish the aforementioned goals, it also calls for the creation of Boards dedicated to the prevention and management of water pollution. The Water Act establishes fines for noncompliance and forbids the discharge of contaminants into water bodies beyond a certain threshold. The Water Act established the Central Pollution Control Board (CPCB) to provide guidelines for preventing and controlling water pollution. SPCBs are governed by the State Government and the CPCB at the State level.

The 1986 Environment Protection Act

The 1986 Environment Protection Act makes provisions for enhancing and safeguarding the natural world. The Environment Protection Act provides a framework for researching, organizing, and putting into practice long-term environmental safety criteria. It also sets a mechanism for providing a prompt and sufficient response to environmental threats. It is a broad piece of law created to provide the federal and state agencies created by the 1974 Water Act and the 1974 Air Act a framework for collaboration. Section 2 of the Environment Act defines the word "environment" quite broadly. It encompasses land, air, and water as well as the interactions that these elements have with people, other living things, plants, microorganisms, and property.

Possibilities in ecological accounting

Over the last ten years, India has worked to create a growth dynamic that was absent from the previous quasi-socialist government. Growth appears to be the result of the reform process taken as a whole, but in order to ensure that growth and investment truly improve the quality of life for present and future generations, it is also desirable to monitor and channel these forces. Moreover, in order to manage the economy sustainably, it is necessary to measure it through the lens of sustainability. Additionally, there is an imbalance between natural and man-made capital in that the former's depreciation is reflected in GDP figures while the latter is not. It is important to acknowledge that GDP growth is not a reliable indicator of national wealth in this context, which is why we suggest a "Green Accounting" framework for India together with its States and Union Territories.

Green Accounting's Significance for Businesses

The significance of green accounting for business is as follows:

1.Negligent environmental practices may have a negative impact on a company's reputation, which might result in a decline in sales when consumers choose not to purchase the company's goods.

2.Businesses that damage the environment may face severe penalties from many countries. Additionally, businesses could have to shell out a lot of money to clean up any pollution they caused.

3.The expense of complying with government rules on environmental matters, such pollution, has gone up for the company.

4.Changing one's environmental behavior may save money.

5.As corporate citizens, businesses have a moral obligation to contribute to minimizing the environmental damage they do.

It also covers the expenses as well as the advantages or benefits that an environment might provide a company.

a) Sustainable development is defined as satisfying current demands without sacrificing those of future generations.

b) Businesses are able to track the resources they utilize and when. It assists them in lowering waste and utility-related expenses.

c) It even makes employees feel good to work for organizations that prioritize social responsibility above profit.

e) Assessing environmental performance in light of stakeholders' growing concern about how companies affect the environment.

f) Including management accountants in strategic planning for environmental concerns over a longer time frame.

India's adoption of green accounting and the future

Choosing a profession in green accounting has significant implications. A green accountant examines internal and external costs rather than attempting to figure out how the business world might earn enormous profits. Companies and the government may then use this information to compute carbon credits and other related costs. Green accounting extends beyond government-sponsored research and whistleblowing. Many private businesses use environmental accounting to assess the cost of reducing pollution. By factoring in tax breaks for adhering to regulations or tax credits for using technology that has been authorized by the government, the government will provide additional assistance. Planning and data collecting and reporting are two fundamental management accounting tasks that are connected to green accounting, or environmental accounting. When it comes to planning, green accounting use life cycle analysis or target costing to quantify potential environmental effects. In the second instance, the gathering of environmental data and the management of that data are predicated on an effective examination of data to support judgments. Beginning with the aforementioned factors, the goal of green accounting is to identify and quantify the costs of raw materials and environmentally specific activities. Then, using this data, reports and internal analyses that the management of the company needs to make environmental decisions are created. The

recognition of the detrimental impacts of systems and activities on the environment and the pursuit of solutions to mitigate them are the goals of green accounting. Green accounting adds to the amount of crucial data that may be gathered for policy analysis, particularly because those crucial data points are often missed. It is said to only guarantee weak sustainability, which need to be seen as a first measure to eventually achieving strong sustainability.

CONCLUSION

Depending on the scale, objectives, and scope of the research, several techniques and strategies are used in green accounting. Green accounting at the organizational level may include the development and use of environmental management accounting (EMA) systems, which track and assess the environmental benefits and costs associated with internal operations and processes. EMA encompasses a wide range of approaches and procedures, such as material flow analysis (MFA), carbon accounting, life cycle assessment (LCA), and eco-efficiency analysis.

By using these tools and strategies, businesses may reduce waste, identify inefficiencies in their resource use, and improve their environmental performance. The term "green accounting" refers, in general, to environmental accounting systems at the national or regional level that measure and monitor the macroeconomic consequences of economic activity on the environment. These frameworks may contain metrics such as the gross domestic product (GDP) adjusted for environmental deterioration (green GDP), environmental performance indicators (EPI), and real progress indicators (GPI). The relationship between environmental quality, human well-being, and economic development is clarified by these metrics. By incorporating environmental data into national accounts, green accounting enables policymakers to assess the sustainability of economic development, identify environmental hotspots, and devise targeted policies and initiatives to promote green growth and sustainable development.

REFERENCES:

[1] A. Egbunike and G. Okoro, "Does green accounting matter to the profitability of firms? A canonical assessment," *Ekon. horizonti*, 2018.

[2] E. W Sri, Zamzami, and Yudi, "Analisis Komparasi Penerapan Green Accounting (Studi Kasus Pada Industri Batubara Dan Industri Logam Tahun 2014-2016)," *J. Akunt. Keuang. Unja*, 2018.

[3] M. W. A. Andi Yuliana, "Corporate Environmental Responsibility: An Effort To Develop A Green Accounting Model," *J. Akunt.*, 2018.

[4] S. R. Dewi and E. Maryanti, "The Implementation of Green Accounting Based on University Social Responsibility (USR) in Muhammadiyah University of Sidoarjo," *J. Econ. Business, Gov. Challenges*, 2018.

[5] J. Kiranmai and C. Swetha, "Green Accounting Practices: An Overview," *IUP J. Bus. Strateg.*, 2018.

[6] S. I. Meshack and E. Mayah, "Green Accounting and Material Flow Analysis in Oil Producing Companies in Nigeria," *J. Account. Financ. …*, 2018.

[7] W. Yang and J. Zhao, "Sources of China's Economic Growth: A Case for Green Accounting," *Adv. Manag. Appl. Econ.*, 2018.

[8] H. Z. Lubis and A. Diani, “Analisis Penerapan Akuntansi Lingkungan (Green Accounting) Dalam Pengelolaan Limbah Perusahaan,” in *Proceedings KN APPPTMA Ke-8*, 2018.

[9] W. F. Ningsih and R. Rachmawati, “Implementasi Green Accounting dalam Meningkatkan Kinerja Perusahaan,” *JABE (Journal Appl. Bus. Econ.*, 2017.

[10] C. N. Dewi, “Analisis Penerapan Green Accounting Pada Rumah Sakit Umum Di Kota Padang, Sumatera Barat,” *Banq. Syar’i*, 2017.

[11] F. Ochotorena, “Green Accounting : Integrating Environmental Impact To Financial,” *DEVOTIO J. Bus. Econ. Stud.*, 2017.

[12] A. R. E. Rimorin, “Green Accounting and its Impact on International Trade of Selected Utility Companies,” *... Asia J. Multidiscip. Res. ...*, 2017.

CHAPTER 10

NEED FOR STRATEGIC COST AND FINANCIAL MANAGEMENT

Dr. Girish Chhimwal, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-girish.chhimwal@muit.in

ABSTRACT:

In today's rapidly evolving business landscape, the need for strategic cost and financial management has become increasingly paramount for organizations seeking to achieve sustainable growth, competitive advantage, and long-term viability. This abstract embarks on an exploration of the imperative for strategic cost and financial management, elucidating its significance, challenges, and implications for organizational success. By examining the evolving dynamics of the business environment, the complexities of cost structures, and the strategic imperatives of financial management, this abstract aims to provide insights into the critical role of strategic cost and financial management in navigating uncertainty and driving business performance. In the contemporary business environment characterized by globalization, technological disruption, and heightened competition, organizations face a myriad of challenges and opportunities that necessitate a strategic approach to cost and financial management. Rapid changes in consumer preferences, market dynamics, and regulatory frameworks require organizations to adapt quickly and efficiently to remain competitive and profitable. Strategic cost and financial management enable organizations to anticipate and respond effectively to these changes by aligning their resources, capabilities, and investments with strategic objectives and market opportunities. By adopting a forward-looking, proactive approach to cost management and financial planning, organizations can enhance their agility, resilience, and competitiveness in a volatile and uncertain business environment.

KEYWORDS:

Scenario Planning, Shared Services, Six Sigma, Strategic Alliances, Strategic Decision-Making, Strategic Objectives.

INTRODUCTION

Regarding pollution control and environmental protection, the Union Ministry of Environment in India serves as a liaison between the other ministries and the states. India has also implemented a number of laws to guarantee environmental preservation. In accordance with the fundamental ideas stated in the National Voluntary Guidelines on Social, Environmental, and Economic Responsibilities of Business, SEBI also began to require listed businesses to report on environmental and social initiatives they had done in 2011. In accordance with the Companies Act of 2013, some professional firms must allocate funds towards social welfare initiatives and submit an annual report detailing their overall financial performance with respect to energy and environmental conservation. Very few of these organizations are adhering to the directive from the Indian Environmental Ministry to give a statement on the activities that are hurting the environment. The primary cause of this carelessness is that the company organization prepares the statement voluntarily and there is no hard and fast regulation for it. Through these statements, the group that prepared them provides extremely basic information [1], [2].

Equipment put in the production facility to reduce pollution. The standard operating procedure for energy and natural resource conservation. The company organization took action to keep its commercial operations using energy-saving procedures. Water conservation and the preservation of natural water resources were addressed in the vicinity of the business unit. How natural raw materials are preserved throughout company activities[3], [4].

India's use of green accounting practices:

The practices of environmental accounting in India are as follows:

In 1991, the first statement about green accounting was made. According to the Ministry of Environment and Forests, "Every company shall, in the Report of its Board of Directors, disclose briefly the particulars of steps taken or proposed to be taken towards the adoption of clean technologies for pollution prevention, waste minimization, recycling and utilization, pollution control measures, investment on environmental protection and impact of these measures on waste reduction, water and other resources conservation." There have been many directives from the Union Ministry of Environment and Forests on the preparation of environment statements. Obtaining environmental approval for any new project involving the Union Ministry of Environment and Forests and the relevant State Government department of environment is a national requirement. There are many regulations in this area, and before any such project is implemented, it is anticipated that it would have environmental and anti-pollution clearance. Green accounting's primary aim is to assist companies in comprehending and managing the possible trade-off between conventional economic objectives and environmental goals. A number of nations, including the USA, Japan, Norway, the Philippines, Namibia, and Chile, are implementing green accounting. In India, green accounting is still in its infancy. It is among the most effective approaches for sustainable development[5], [6].

Planning and data collecting and reporting are two fundamental management accounting tasks that are connected to green accounting, or environmental accounting. The primary goal of green accounting is to identify and quantify the costs of raw materials and ecologically specific activities. This data is then used to create reports and internal studies that the management of the firm needs to make environmental choices. The recognition of the detrimental impacts of systems and activities on the environment and the pursuit of solutions to mitigate them are the goals of green accounting. Green accounting adds to the amount of crucial data that may be gathered for policy analysis, particularly because those crucial data points are often missed.

DISCUSSION

Businesses now confront unprecedented problems of a different kind. The previous ten years saw a global economic downturn that caused severe disruptions to economies all around the globe. Businesses that were profitable and growing steadily year after year but were struggling on all fronts all of a sudden found themselves in serious danger. The already dire position has been made much worse by the pandemic. Businesses in the manufacturing and service sectors consistently produced large turnover and profits. When the unprecedented economic crisis struck, everything changed. The same Companies were shocked to see that sales and earnings were suddenly declining, which placed a great deal of strain on sustainability. So much so that it was challenging for many organizations to continue and thrive[7], [8].

Although things were going well, strategy, cost, and efficiency—all of which are fundamental to any organization—weren't given any thought. The enormous demand for

goods and services at the rates established by the organizations obscured them. As a result, businesses became complacent. Indeed, warning signs were apparent after 2011, as demand began to decline and price was under tremendous pressure. Suddenly, what was a sellers' market became a buyers' one.

This circumstance clearly serves as a wake-up call for corporations to either shape out or ship. To continue in business, many of them had to refocus their company strategies and carefully consider every element. Businesses that did not react and take action declined. One readily identifiable example is the hospitality industry. Because software firms and other businesses were booming, there was a high demand for rooms in locations like Bangalore. There was a significant shortage of the highly sought-after decent five rooms, as demand outpaced supply. In the past, occupancy rates consistently exceeded 100% on most days. In the past, the average daily room rent for five hotels in the Central Business District was from Rs. 10,000 to Rs. 15,000; however, charges for premium brands like TAJ, Oberoi, Hyatt, and others were closer to Rs. 25,000 to Rs. 30,000. The same thing happened in the industrial sector, where goods of average quality sold for excessive costs. For example, 23-inch color TVs cost Rs. 25,000.

However, everything wonderful has to end. The manufacturing and service sectors both found themselves abruptly faced with a decline in pricing and demand. The customary panic button was hit, and everyone frantically tried to reorganize and remake themselves. Timely and practical responses were important. The days of organizations being able to respond were over.

A study of strategy, cost, and financial management

STRATEGY: A grasp of the Strategic Management process requires a knowledge of the notion of strategy. The Greek word "Strategos," which meaning "generalship," is where the word "strategic" originates. The art of strategy is the art of battle, the ability to handle any situation or the use of deceit to achieve a goal. In business jargon, "strategy" has a specific definition. It is often used ambiguously to signify several things[9], [10].

One possible strategy is:

A strategy, plan of action, or collection of guidelines for making decisions that establish a pattern or a unifying theme. The organization's operations follow a pattern or common thread that stems from its policies, objectives, and goals. Connected to pursuing the initiatives that lead an organization from where it is to where it wants to be in the future. Worried about the resources required to carry out a strategy or pursue a path of action. Related to the company's strategic positioning, which involves balancing various operations and finding a fit between them; and the real or planned coordination of the company's main objectives and actions in place and time, which constantly repositions the company in relation to its surroundings.

A strategy is, to put it simply, a way of achieving goals. In technical words, it might have every attribute listed above.

Tiers of strategy:

Many firms, or a group of companies, sometimes operate in distinct business lines in terms of products/services, markets, or technology, even while they are managed by the same senior management. A few instances are as follows:

Hindustan Unilever is a reputable international corporation that operates in four segments: Foods, New Ventures, Exports, and Home and Personal Care. ITC is yet another massive

company with a wide range of activities, including exports, clothing, tobacco, food, agribusiness, and personal care. A single strategy is insufficient and unsuitable for these companies. Multiple methods at various levels are required. These businesses are divided into operational divisions, or simply divisions, to separate several units or segments that each carry out a particular set of tasks. These groups may also be referred to as Strategic Business Units or Profit Centers. According to Sharpin, an SBU is,

The Art of Strategic Management

A company's senior management's significant activities, requiring resources and performance in external contexts, are analyzed by strategic management on behalf of the owners. It means outlining the purpose of the company.

Vision and goals, creating plans and policies often in the form of projects and programs intended to accomplish these goals, and assigning funds for the projects and programs, plans, and policies to be put into action[11], [12].

The main goal of strategic management is to identify and describe the strategies that managers may use to improve performance and provide their company a competitive edge. If an organization's profitability exceeds the average profitability of all businesses in its industry, it is said to have a competitive edge.

Another way to think about strategic management is as a manager's collection of choices and actions that determine the success of the company. To make the best judgments, a manager has to have a deep understanding of the competitive and general organizational environment. They should do a SWOT analysis, which entails maximizing organizational strengths, minimizing organizational weaknesses, seizing opportunities presented by the business environment, and not ignoring dangers.

All that is involved in strategic management is preparation for both anticipated and unforeseen events. It applies to both small and big businesses because, in the face of competition, even the smallest ones may gain a lasting advantage by developing and putting into practice the right strategies.

The process by which strategists establish goals and move forward to achieve them is known as strategic management. It deals with choosing and carrying out choices on an organization's future course. It facilitates our ability to determine the organization's current path.

The choices and activities that lead to the creation and execution of plans intended to accomplish a company's goals are referred to as strategic management. There are nine essential jobs in it.

1.Create a mission statement for the company that includes general remarks about its purpose, philosophy, and objectives.

2.Make an analysis that takes into account the internal circumstances and competencies of the company.

3.Evaluate the external environment of the company, taking into account the general contextual elements and the competitive climate.

4.Examine the Company's alternatives by comparing its resources to the outside world.

5.Determine which solutions are the most desired by weighing each one against the goals of the company.

6.Choose a series of long-term goals and ambitious plans of action that will lead to the best possible outcomes.

7.Make sure that the yearly goals and short-term plans align with the chosen long-term goals and grand strategy.

8.Use budgeted resource allocations to carry out the strategy decisions, emphasizing task, people, structure, technology, and incentive system matching.

9.Analyze the strategic process's effectiveness to inform future choices.

To put it simply, the goal of strategic management is to raise organizational returns above average and maintain the company's strategic competitiveness. Creating and implementing a value-creating strategy would do this. By executing a value-creating strategy, competitors—both current and potential—are prevented from applying it at the same time and are unable to replicate the advantages of the strategy. As a result, the company gains a stable or durable competitive advantage.

Method of strategic management

Budget-oriented planning or forecast-based planning techniques are inadequate for a major organization to survive and grow in the fiercely competitive business climate of today. In order to develop a strategy, execute it, monitor its success, and make adjustments as needed to remain on course, the company must engage in strategic planning that includes clearly defined goals and an assessment of both the external and internal circumstances the dynamic process of developing, putting into practice, assessing, and managing strategies to achieve the organization's strategic goals is known as strategic management.

The goals that the company aspires to are referred to as its strategic aim. A hierarchy of strategic purpose may be used to describe these. A declaration of strategic purpose offers an overview of the methods your business plans to use to achieve its long-term goals. As a result, it offers a feeling of purpose and the chance to investigate fresh opportunities for competition. In addition, strategic purpose gives workers direction, concentration, and motivation to put in more effort in order to realize the company's goal.

Map of strategies

Companies use strategy maps to illustrate their approaches to success. The idea of strategy mapping was created by Robert Kaplan and David Norton when they were developing the "Balanced Scorecard." The strategy map is divided into smaller subjects that together advance the overarching objective of the company. A strategy map is a graphic representation of a company's approach to converting its assets into successes. Resources include knowledge and conventions in addition to tangible things. These resources are used in a manner that will support the company in achieving its goals. Through a thorough process, strategy mapping demonstrates how the company's goals and resources relate to one another.

Acquiring knowledge and development

Increasing capacity, improving CRM knowledge, improving interdepartmental relationships, improving governance knowledge, and improving customer understanding are all included at the top of the plan. This is the primary goal of the company and the major reason it exists. The map then incorporates financial initiatives such as revenue growth and productivity. Increasing the number of highly valued customers or the income per customer are two ways to boost revenue. Eliminating any work that eventually adds no value to the company may increase productivity.

The company has to choose which of its three goals—strong customer connections, operational excellence, or product leadership—it is most likely to achieve. Many companies omit this phase, but it's important to identify the business practices that aren't assisting the company in achieving its objective. Your company proposal will be more efficient if it is clearly focused on the areas that need the most care. Employees, technology, and business culture are included in the last section of the strategy map. These resources are required in order to implement the strategy map. The success of the corporation's players determines the business's overall performance in every aspect.

Businesses and enterprises utilize strategy mapping to assist them manage their approach. Management may identify areas of the firm that need improvement by using a strategy map. If the various sections of the strategy map do not naturally and logically flow into the next, there is an issue with the company plan. In addition to laying out the company's direction, strategy mapping promotes staff collaboration and idea sharing.

Developing a strategy

Formulating a strategy involves a number of actions that must be taken in sequence. Since the stages build upon one another, they must be completed in that sequence. Nonetheless, two procedures are carried out continuously throughout the design of a strategy: continuous implementation and environmental scanning. Simply put, environmental scanning is the practice of keeping an eye out for elements in the outside world that might have an impact on the success of your company and should be taken into consideration when developing a plan. For instance, you will monitor what your rival is doing and modify your strategy plan as needed over the course of the undertaking. To put it simply, continuous strategy implementation refers to carrying out the portions of the plan that need to be completed before moving on to the next phase of the formulating process.

The process of determining the best course of action to achieve organizational goals and objectives and realize the organization's vision is known as strategy formulation. There are essentially six major processes in the design of a strategy. These stages are quite logical and may be followed in any sequence, even if they do not follow a strict chronological order.

1. Determining the organization's goal.
2. Assessing the Environment of the Organization.
3. Determining quantitative goals.
4. Considering divisional strategies in perspective.
5. Analysis of Performance.
6. Selecting a Strategy

Putting a strategy into action

The process of converting a selected strategy into organizational action in order to accomplish strategic goals and objectives is known as strategy implementation. The process by which a company should create, apply, and integrate its organizational structure, control systems, and culture in order to adopt strategies that provide it a competitive edge and improve performance is also known as strategy implementation. The organizational structure gives people specific responsibility for defining roles and duties and outlines how these responsibilities and activities may be linked to enhance customer happiness, quality, and efficiency—the three cornerstones of competitive advantage. However, organizational structure alone is insufficient to inspire personnel.

It also calls for an organizational control structure. The control system provides managers with information on personnel and organizational performance as well as incentives to motivate staff. The unique set of values, attitudes, customs, and beliefs that all members of an organization and its groups share is referred to as organizational culture.

CONCLUSION

Cost and financial management is essential to resource efficiency and value development. Organizations may find chances for cost cutting, process optimization, and efficiency enhancement by methodically examining cost structures, profitability drivers, and value-added activities. Activities like activity-based costing (ABC), target costing, and value engineering are examples of strategic cost management approaches that help businesses prioritize investments, optimize resource allocation, and improve the value proposition of their goods and services. In a similar vein, companies may more effectively deploy capital, control financial risks, and ultimately maximize shareholder value by using strategic financial management techniques including capital budgeting, financial forecasting, and risk management. Moreover, effective cost and financial management is crucial for directing performance reviews and decision-making at all organizational levels. Organizations may make educated choices regarding pricing strategies, product development efforts, resource allocation, and investment priority by giving managers access to fast, accurate, and relevant cost and financial information. Organizations may analyze the financial ramifications of various strategic alternatives, gauge how they will affect profitability and shareholder value, and make decisions that are in line with broad strategic goals and objectives by implementing strategic cost and financial management. Furthermore, by defining precise performance measurements, objectives, and incentives that promote organizational alignment and responsibility, strategic cost and financial management aids in performance assessment and accountability.

REFERENCES:

[1] M. Illmeyer, D. Grosch, M. Kittler, and P. Priess, “The impact of financial management on innovation,” *Entrep. Sustain. Issues*, 2017.

[2] Y. Bai, C. Gu, Q. Chen, J. Xiao, D. Liu, and S. Tang, “The challenges that head nurses confront on financial management today: A qualitative study,” *Int. J. Nurs. Sci.*, 2017.

[3] Y. Murdayanti and D. Puruwita, “Transparency and accountability of financial management in pesantren (Islamic Education Institution),” *Adv. Sci. Lett.*, 2017.

[4] H. Karadag, “The impact of industry, firm age and education level on financial management performance in small and medium-sized enterprises (SMEs): Evidence from Turkey,” *J. Entrep. Emerg. Econ.*, 2017.

[5] A. Dwiastanti, “Analysis of financial knowledge and financial attitude on locus of control and financial management behavior,” *Manag. Bus. Rev.*, 2017.

[6] Y. J. Loke, “The influence of socio-demographic and financial knowledge factors on financial management practices of Malaysians,” *Int. J. Bus. Soc.*, 2017.

[7] K. M. San, S. R. M. Riazi, M. N. M. Nawi, and M. Esa, “The roles, challenges & improvement of project manager in project financial management in building development in Penang, Malaysia,” *Int. J. Supply Chain Manag.*, 2017.

[8] R. E. Herranz, P. G. Estévez, M. A. de V. y. Oliva, and R. Dé, “Leveraging financial management performance of the Spanish aerospace manufacturing value chain,” *J. Bus. Econ. Manag.*, 2017.

[9] I. K. Addo, “The Effect of Financial Management Practices on the Financial Performance of Top 100 Small and Medium Enterprises in Kenya.,” *J. Bus. Stud.*, 2017.

[10] T. Amalya, Akram, and E. Pituringsih, “Determinants of Village Financial Management and Its Implication toward Accountability: Study on Village Governance in West Lombok Regency,” *Int. J. Res. Advent Technol.*, 2017.

[11] Y. X. Yin, N. Arbaiy, and J. Din, “Financial records management system for micro enterprise,” *Int. J. Informatics Vis.*, 2017.

[12] R. B. Gawali, A. Professor, and A. Gadekar, “Financial Management Practices in Micro, Small and Medium Enterprises-An Exploratory Analysis with the help of Literature Review,” 2017.

CHAPTER 11

A COMPREHENSIVE REVIEW OF PITFALLS OF STRATEGIC PLANNING

Dr. Girish Chhimwal, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-girish.chhimwal@muit.in

ABSTRACT:

Strategic planning serves as a cornerstone for organizational success, guiding decision-making, resource allocation, and goal setting. However, amidst its promises lie numerous pitfalls that organizations encounter on their strategic journeys. This abstract embarks on an exploration of the pitfalls of strategic planning, elucidating the common challenges, missteps, and risks that organizations face in the strategic planning process. By examining the root causes, implications, and strategies for mitigating these pitfalls, this abstract aims to provide insights into navigating the complexities of strategic planning and fostering sustainable organizational success. One of the primary pitfalls of strategic planning is the disconnect between strategy formulation and execution. Organizations often invest significant time and resources in developing elaborate strategic plans but struggle to translate these plans into actionable initiatives and outcomes. This misalignment can arise from various factors, including lack of clarity in strategic objectives, inadequate communication and engagement with stakeholders, and insufficient alignment of organizational structures, systems, and incentives with strategic goals. To mitigate this pitfall, organizations must foster a culture of accountability, alignment, and execution, ensuring that strategic objectives are clearly articulated, cascaded down to all levels of the organization, and supported by robust execution mechanisms and performance management systems.

KEYWORDS:

Strategic Partnerships, Strategic Planning, Supply Chain Management, Systems Thinking, Target Costing, Technology Adoption.

INTRODUCTION

Evaluating a strategy's efficacy in accomplishing organizational goals is the goal of strategic assessment. Strategic assessment and control, then, may be characterized as the process of figuring out how well a certain strategy works to accomplish organizational goals and then taking appropriate corrective action when needed. Strategic assessment is by its very nature judgmental. Evaluation is used to see if the approach is in line with the goals and environment. Since strategy evaluation sheds information on the efficacy and efficiency of the comprehensive plans in reaching targeted outcomes, it is just as important as strategy design. In light of the socioeconomic, political, and technical advancements of today's dynamic environment, managers may also evaluate if the existing strategy is still relevant. The last stage of strategic management is called strategic evaluation. The importance of strategy assessment is found in its ability to regulate performance in order to coordinate the work done by departments, groups, managers, etc. Strategic evaluation is important for a number of reasons, including creating new strategic planning inputs, evaluating and rewarding performance, refining the strategic management process, and assessing the viability of the strategy process[1], [2].

Evaluation Standards

The crucial elements that might aid in assessing a plan can be roughly divided into two groups: qualitative and quantitative aspects.

Factors that are quantitative

Financial ratios are a typical quantitative criterion used in strategy evaluation. These ratios allow strategists to make three crucial comparisons evaluating the performance of the Firms throughout various timeframes. Evaluating the performance of the Firms in relation to rival's and. contrasting the company's performance with the industry norms. The following are some important financial ratios that are very helpful when used as assessment criteria for strategies:

Qualitative Elements

Many managers believe that key aspects of organizational operations may be revealed or critical questions can be answered in order to arrive at qualitative organizational metrics[3], [4].

Making Strategic Decisions

The foundation of the strategic decision notion is strategy, which is a key activity inside a company. Making strategic decisions involves making important decisions about resource allocation and how to help the business accomplish its goals. It possesses the qualities listed below.-The strategic choice has an impact on the whole business and is mostly related to Senior Management's duties. It immediately aids in the accomplishment of goals. Typically, it consists of three parts:

The action element outlines the tasks that need to be completed. The result element outlines the intended outcomes that will be attained when the decision is put into action.The aspect of commitment is what drives one to follow through and personally invests in achieving the goal.

Model of planning

An embedded business process called "strategy into action" is used to implement strategic objectives deep inside a company, aligning executives, and motivating staff to achieve the intended outcomes. When applied, strategy is dynamic—a never-ending, evolving process that unites people behind a common objective, gathers and evaluates data, and then connects it all back to the original plan of action. The results of implementing a plan provide input into it to inspire more strategic action.

The performance and vitality of the company are enhanced by this strategic method. It emphasizes the health of the company both now and in the future. Its objective is to maximize the system's overall performance. The implemented strategy is adaptable enough to function in a variety of corporate organizational environments[5], [6].

Methodical organizing

An organizational management activity called strategic planning is used to set priorities, concentrate efforts and resources, bolster operations, make sure staff members and other stakeholders are working toward shared objectives, create consensus regarding the desired outcome or results, and evaluate and modify the organization's course in response to a changing environment. It is a focused endeavor that results in basic choices and actions that define and direct an organization's identity, mission, purpose, and methods of operation while keeping an eye on the future. A well-crafted strategic plan not only outlines an organization's

direction and the steps required to get there, but also explains how it will determine success. Harvey defines "long range planning which focuses on the organization as a whole" as strategic planning. In order to achieve organizational objectives, managers look at the company as a whole and ask themselves what has to be done in the long term. The managers who can foster creative, strategic thinking inside their businesses are the most successful ones. A strategic plan is a written document that outlines the organization's objectives, the steps required to reach those objectives, and any other important components that were determined throughout the planning process. The following are some benefits or uses of strategic planning:

Various research studies indicate that strategic planning enhances organizational performance, forecasts improved results, and identifies the firm's critical components. It is concerned with allocating resources to possibilities in the product market and with maximizing the company's profit potential via strategic planning. It evaluates the company's advantages and disadvantages. It chooses the best course of action from the available options while taking the firm's interests, senior management's personal beliefs, and social responsibility into account. Company executives can only predict future possibilities and difficulties via strategic planning, given the rapid changes in the product market, technology, and economic conditions. It helps management to reduce risk, seize new possibilities, and give the company the direction it needs. Since a company's performance is dependent on a variety of circumstances, strategic planning is an essential but insufficient need for success [7], [8].

DISCUSSION

All organizations want to be efficient, economical, and sensitive to the requirements of their stakeholders, which include consumers, workers, shareholders, and members of the public. However, businesses approach meeting these benchmarks differently. Economic inequality, unemployment, and wealth creation, to mention a few, would not exist if all the organizations fervently pursued their declared objectives. Being in this scenario is fantastic. However, reality is different; there are a lot of inequalities and uneven development in day-to-day living. What potential cause may there be for this? Let's examine a few elements that led to this situation incapacity of the company to effectively handle its resources. When we talk about resources, we're talking about things like raw materials, components, external resources like electricity, logistics, customer happiness, personnel, bad financial management, incorrect resource allocation, and being reactive rather than proactive, to mention a few. The ability of an organization to successfully address the problems it faces on a daily basis determines whether it succeeds or fails.

Due to the pandemic's extreme upheaval and disruption, the business climate has recently been turbulent, resulting in lower demand, job losses, firm closures, client base losses, financial strain, and other issues. For organizations, escaping the situation and surviving is a great task. Numerous organizations have closed because they were unable to adapt to the changing climate. Those who have made it through have done it with incredible agility, reinventing themselves to meet the difficulties and new realities that have arisen[9], [10].

Almost all businesses and economic endeavors have been influenced. This is where controlling costs and resources wisely comes into play. For instance, the Cutting Tool sector supplies almost all industrial activities and industries with what they need. The automotive industry, which has seen an unheard-of decline in demand, drives the majority of demand. The cutting tool producers' fortunes fell to an all-time low.

Things have become worse due to further strain on the supply of vital raw materials like tungsten carbide. China is the industry's primary supplier, thus supply disruptions were inevitable given the recent border dispute and the ensuing tensions with China. The material had to be imported by industry via a convoluted process, which increased the procurement costs. This affects every sector in a domino effect. It's amazing to see how the industry handled the crisis and carried on with business as usual.

First and foremost, significant efforts have been made to lessen reliance on a single supplier, such as China. The focus is on boosting the mining capacity, which has been overlooked because of a number of different circumstances, in order to increase the production of tungsten carbide locally. Furthermore, a large amount of wasted tungsten carbide is recycled for use in industry across the world. Despite its promise, this was a neglected part of the Indian industry, with only few units participating in such activity. This is a result of the high capital investment costs. However, hard circumstances need taking harder measures and implementing the right plan of action. The sector has taken a knock, become more astute, and is reluctant to deal with uncertainty.

Having examined the circumstance, it is necessary to establish suitable financial and costing strategies. Tough action is needed in light of the possibility of higher costs associated with obtaining essential raw materials and a resulting increase in their pricing. As a result, the industry is ready to take on the difficulties, and the government has intervened to give the sector the attention it deserves. Every procedure is being reviewed, including cutting down on unnecessary operations, improving financial management, renegotiating long-term supply contracts with suppliers, and raising the ultimate cost of produced goods, to mention a few.

The approach used by a well-known MNC to revive the struggling local maker of transmission and distribution equipment after it was acquired is another readily apparent example. The regional producer was an old-fashioned case that was ready for closure. It suffered from a number of issues, including poor staff morale and discontent, declining customer trust, quality issues, significant customer outstanding, and expensive raw materials and component costs. The job ahead of the new management was enormous. Before things got out of hand, it had to swiftly assess the situation and take command of it. A thorough investigation had shown significant shortcomings in the organization's management. A brief investigation showed the following:

Power utilities are the primary users of produced equipment, which is capital in nature. Due to subpar quality and delivery delays, the clientele has decreased. Power utilities need maintenance and warranties. Company made a serious mistake on this count. Utilities imposed liquidated damages on the company as a consequence, severely harming its image and financial situation. The recovery of debt was never going to be an easy process because of the defective and delayed equipment supply. Debts that were to be paid in full within 60 days took anything from 180 days to a year[11], [12].

Suppliers of vital raw materials and components have lost trust in the company's capacity to fulfill its obligations. Payment delays to vendors were commonplace. As a consequence, the cost of raw materials increased to over 75% of the total cost due to a rise in the price of the commodities provided. In order to guarantee payment of outstanding invoices, suppliers began requesting Letters of Credit from the company. Because of the frequent devolution of previously established letters of credit, banks were reluctant to issue a letter of credit facility for the company.

Statutory dues and employee obligations, such as salary, were not paid on schedule. Significant staff discontent resulted from this. Additionally, there was little accountability and a top-heavy company. In addition, there was an excessive number of employees.

There were no expenditures made to enhance planning, quality, technology, or process efficiency. The arduous job of fixing every problem faced by the new administration was necessary to change the tide. It was very difficult to cut costs and teach financial responsibility.

The parent company offered the new management precisely a year to ship or form out while simultaneously providing the necessary funding. It wasn't an easy process at all. Fearful of the incoming leadership, no one was willing to cooperate. In addition, all stakeholders must be culturally aligned, with workers and suppliers being the most crucial. The challenge was accepted.

The new management showed its commitment by acting swiftly to rectify the problem and implement an action plan. They were given the assurance that all of their unpaid debts would be paid off right away, and this was done in word and spirit. Payroll was made on schedule, with commitments on statutory dues met as well. This meant that the fight was won in half. News of the Company's plans began to circulate.

1.A task force was established to determine which areas could need immediate attention, such as updating the manufacturing process and planning, realigning equipment to achieve output objectives, boosting supplier and customer trust, and putting in place technologically advanced systems, to mention a few with specific due dates.

2.Priority was made on cutting costs and emphasizing sound financial management. The call to suppliers was followed by a clear explanation that all past due payments will be paid over the course of six months, with current dues being paid on schedule. They were urged to lower the pricing by 10% in exchange. Maintaining commitments increased suppliers' trust and resulted in lower pricing. This was only the start. Within a year, the goal was to cut the cost of raw materials from 75% to 60%. More actions were taken in order to achieve this aim. Suppliers were notified that due to the streamlining of payments, Letter of Credit facilities would no longer be issued. Additionally, moving forward, yearly supply contracts will be the standard. Additionally, dependence on a small number of suppliers will be eliminated when other sources are investigated and approved. Signing yearly contracts ensured a steady stream of business for suppliers throughout the year, as well as a guaranteed amount with room to grow. Contracts were signed annually for essential components and raw materials, accounting for 80% of the total volume and value. By taking advantage of its position, suppliers agreed to an additional 5% discount, for a total of 15%. Furthermore, a quantity discount was acquired from the vendors.

3.Concurrently, prompt action was taken to streamline the manufacturing process, stop waste, tighten production process monitoring, ensure quality control, ensure timely delivery, enhance customer service, and match planning to demand.

4.Dead wood was located and taken out. Each employee received detailed information on their responsibilities and role, along with a strong warning that inefficiency would not be accepted.

5.The emphasis moved to the client and gaining and maintaining their trust.

6.The collection of debt was given first priority. It was also necessary to collect current dues in addition to past dues. Teams with specialization were sent in. Since steps were taken to

increase consumer confidence—namely, focusing on timely delivery with few or no quality concerns, promptly responding to complaints, adhering to the bidding procedure, etc.—the work has been easier.

7.Strict financial discipline, including timely obligation fulfillment, a robust recovery mechanism, budgeting, and cash flow management, were prioritized.

8.Better arrangements, including no margin money requirements and no facility fees, were arranged with the lenders. Because of their interactions with the new management, banks eventually conformed. Banks that disobeyed the directive were dropped.

9.Technology, processes, and procedures were heavily emphasized, and there was continuous oversight on all fronts. Noncompliance was addressed right away.

10.Redundant personnel at the top were among the excess labor that was discovered and awarded the golden handshake.

11.To put it simply, the goal was to achieve overall effectiveness not just in financial management and prudence but also in cost reduction, procedures, and systems.

12.Within six months, the outcome was evident: the cost of raw materials dropped to 60%, waste decreased from a peak of 105 to 5%, and labor costs decreased from 25% to around 15%. This indicated that the business became cash positive.

13.Not content to sit on its laurels, consistent efforts were made to further lower costs, shorten turnaround times, increase turnover, and so on. As a result, in its first full year of business, revenues increased by 300%, and the cost of raw materials dropped to 54% while other expenses also decreased. As a result, the business turned a profit in its very first year. This contributed to the parent company's trust being strengthened, allowing them to convert the loan into stock. In the second year, the company paid back its term loan as well, clearing its debt.

14.It is a prime illustration of how the implementation of a strategic cost system may benefit from financial restraint and management.

Case Study 1: IMPORTANT CASE STUDIES AND CASE SCENARIOS

Innovation in business processes

Relaxation Hotels Pvt. Ltd. has a lease on five properties in the vacation sector. This means that Leisure Hotels is in charge of managing the hotels, including all day-to-day operations. Each month, Leisure Hotels gives the owners a certain amount as leasing rental. Delhi is home to Leisure Hotels' corporate headquarters. There are 250 properties total in the inventory. Every facility has a variety of lodging options, from Standard to Luxury. The categories of properties vary from three to four stars.

Two of the five homes are in Shimla, two are in North Goa, and one is in Jammu. The buildings in Goa will be turned over to leisure hotels in the coming months, while those in Shimla and Jammu are now fully operating. Goa properties are also administered by separate management teams. The location of its establishments, which are among the most sought-after areas for vacationers, is the USP of leisure hotels. The goal of Leisure Hotels is to make its guests' vacations as memorable as possible so they will cherish their stay there for a very long time. Keeping this in mind, Leisure Hotel works hard to uphold the standards such that visitors' comfort and happiness are at the center of its business philosophies. Promoters have years of expertise in the hotel sector, having handled marketing and guest relations for major

companies. Before they entered the hotel industry, they had experience managing travel agencies that catered mostly to tourists. Owing to the guiding principle of prioritizing guest pleasure, resorts maintain a respectable 65% occupancy rate all year round. Due to visitors' choice for distinct holiday dates, Shimla experiences equal commerce throughout the summer and winter seasons. When occupancy rates are low, seasonal events like rainfall might affect how occupied a property is in Goa. However, this is gradually changing as more and more travelers choose to visit during the monsoon season in order to take advantage of the rains and the lush, cool surroundings. The properties, including the ones in Goa, are operated in a professional manner as there is no financial loss. When all costs are paid and lease rental obligations are fulfilled, they have a significant potential to provide respectable returns. The profit criteria are possible since each unit is individually set up and managed. As previously stated, Leisure Hotels is in charge of overseeing and operating the establishments. To ensure that operations are carried out successfully, this calls for sufficient experience at all operational levels, from individual property to Corporate Office. It is essential that appropriate controls and systems be in place, including unit-level operation monitoring.

According to the information given, the current system allows each unit to function independently on issues pertaining to accounting, purchasing, and other areas. Each property pays for goods and services on an individual basis, and each property makes its own policy choices. In addition to wanting to completely overhaul the system, Leisure Hotels also wants to consolidate the primary function related to finance and procurement policies while giving individual units the flexibility to purchase goods that may not be able to be purchased via a centralized procedure. Due to the dispersed character of activities and the lack of a valuable operation monitoring system, upgrading is necessary. The necessary materials are purchased by individual units, and local payments are made. Only when the transaction is finished via the delivery of vouchers does the Corporate Office become aware of the specifics. As a result, Corporate Office is completely in the dark and wants to modify the system while keeping the necessary operational flexibility. The management is certain that centralizing key functions would increase transparency and aid in operational optimization. Making the switch to a centralized payment system, such as using digital methods or checks, would promote greater discipline and be consistent with the current government's goal of digitizing all financial activities. The current high level of cash use has to be reduced to the absolute minimum. Additional data indicates that the current accounting system is not amenable to insightful investigation and interpretation. Every unit functions independently because of the operational framework. In order to improve operations management and generate more income and profit, it is necessary to centrally supervise important areas and combine the activities.

Management needs your assistance in putting up controls and procedures, as well as in simplifying the processes, including review systems, as you are an expert in managing such circumstances. Using the goodwill and potential power of the assets, management has set a goal to double the turnover in the following three years. We need your assistance to set out the necessary road plan.

A succinct evaluation of the business concept

Relaxation Hotels Pvt. Ltd. operates the hotels under its management using an asset-light business strategy. To run and maintain the property, it has a lease agreement in place with the owners. Leisure Hotels are obligated to pay the owners a certain amount of lease rent each month, regardless of the amount of business they produce. It is believed that no extra payments are needed to be made save the lease rent. Having stated that, the benefits and drawbacks of the adopted business model may be looked at and evaluated as follows:

Benefits of the model

Since the business is lease-based, there is no need to invest in the infrastructure, including the buildings needed to construct the hotels. This implies that borrowing money in the form of a term loan from a bank or other financial institution and servicing it is not necessary. Term loans in the hospitality sector are often more costly, have strict margin requirements—which may reach 50%—and have higher interest rates. This serves as a barrier for many, as many promoters find it challenging to acquire the necessary margin funds and to service loan repayment and interest payments. In the industry, gestation periods are often rather lengthy. Leisure hotels have opted for the Lease Model, which spares them from having to take out loans and assume responsibility for debt servicing. Because the lessor bears the obligation of debt servicing, essential renovations, and other property maintenance, the Lease Model allows for focused property management. Every property's placement in desirable vacation spots has several benefits and will contribute to both long-term growth in company as well as consistent revenue generation. It's made easier by the fact that the project's backers are seasoned hospitality and tourism experts.

CONCLUSION

Anticipating and adjusting to changes in the external environment is another typical strategic planning mistake. Organizations encounter a wide range of external influences and disruptions in today's volatile, unpredictable, complex, and ambiguous (VUCA) environment, which may make their strategic plans outdated or meaningless. Technological developments, alterations in regulations, changes in customer tastes, and unforeseen occurrences like pandemics or geopolitical crises are a few examples of these disruptions. Incorporating flexibility, agility, and scenario planning into strategic planning procedures is crucial for organizations to avoid being unprepared for unexpected disruptions, which may result in lost opportunities or strategic errors. Organizations must take a dynamic, adaptable approach to strategic planning in order to avoid this trap. They must constantly monitor the outside world, keep an eye out for new trends and threats, and modify their plans and strategies as necessary. Furthermore, internal obstacles like groupthink, organizational silos, and aversion to change might compromise strategic planning. The strategic planning process may be hindered by organizational inertia and reluctance to change, since stakeholders may be hesitant to adopt new ideas, question established beliefs, or take measured risks. Comparably, functional walls and organizational silos may obstruct coordination, communication, and cooperation across various departments or business units, which can result in inefficient resource allocation and decision-making. Furthermore, groupthink—the propensity of members of a group to hold onto shared beliefs while suppressing opposing viewpoints—can impede strategic thinking, innovation, and creativity, leading to faulty or narrow-minded strategic plans. Organizations must promote an environment of openness, cooperation, and diversity of opinion in order to lessen these internal obstacles. This includes motivating stakeholders to question presumptions, exercise critical thinking, and consider other viewpoints throughout the strategic planning process.

REFERENCES:

[1] J. M. Bryson, L. H. Edwards, and D. M. Van Slyke, “Getting strategic about strategic planning research,” *Public Management Review*. 2018.

[2] M. Hunitie, “Impact of strategic leadership on strategic competitive advantage through strategic thinking and strategic planning: A bi-meditational research,” *Bus. Theory Pract.*, 2018.

[3] M. Nowacki, J. Kowalczyk-Anioł, K. Królikowska, M. Pstrocka-Rak, and M. Awedyk, "Strategic planning for sustainable tourism development in Poland," *Int. J. Sustain. Dev. World Ecol.*, 2018.

[4] S. Gomera, W. T. Chinyamurindi, and S. Mishi, "Relationship between strategic planning and financial performance: The case of small, micro-and medium-scale businesses in the Buffalo City Metropolitan," *South African J. Econ. Manag. Sci.*, 2018.

[5] A. Amrollahi and B. Rowlands, "OSPM: A design methodology for open strategic planning," *Inf. Manag.*, 2018.

[6] Å. Johnsen, "Impacts of strategic planning and management in municipal government: an analysis of subjective survey and objective production and efficiency measures in Norway," *Public Manag. Rev.*, 2018.

[7] L. Grassini, V. Monno, and A. Khakee, "Evaluating strategic metropolitan planning in Bari and Taranto," *Eur. Plan. Stud.*, 2018.

[8] T. Howes, "Effective strategic planning in Australian universities: how good are we and how do we know?1," *J. High. Educ. Policy Manag.*, 2018.

[9] A. Jokinen, H. Leino, P. Bäcklund, and M. Laine, "Strategic planning harnessing urban policy mobilities: the gradual development of local sustainability fix," *J. Environ. Policy Plan.*, 2018.

[10] M. L. Ouakouak, "Does a strategic planning process that combines rational and adaptive characteristics pay off ? Evidence from European firms," *Aust. J. Manag.*, 2018.

[11] M. Barthel, "Achieving success in the clinical laboratory through strategic planning," *MLO. Med. Lab. Obs.*, 2018.

[12] B. J. Galli, "Decision-making tools and strategic planning in project environments the overlap of the two concepts," *J. Mod. Proj. Manag.*, 2018.

CHAPTER 12

AN EXPLORATION OF COST CONTROL SOLUTION

Dr. Girish Chhimwal, Assistant Professor,
Maharishi School of Business Management, Maharishi University of Information Technology, Uttar Pradesh, India.
Email Id-girish.chhimwal@muit.in

ABSTRACT:

In the dynamic and competitive landscape of modern business, effective cost control solutions play a pivotal role in driving efficiency, optimizing resource utilization, and enhancing organizational performance. This abstract embarks on an exploration of cost control solutions, elucidating their significance, methodologies, and implications for organizational success. By examining the challenges of cost management, the principles of cost control, and innovative approaches to cost optimization, this abstract aims to provide insights into navigating the complexities of cost control and fostering sustainable business growth. Cost control solutions encompass a range of strategies, techniques, and practices aimed at managing and reducing costs across various aspects of organizational operations. In today's hyper-competitive business environment, organizations face increasing pressure to streamline costs, improve profitability, and deliver value to stakeholders while maintaining operational excellence and competitiveness. Effective cost control solutions enable organizations to identify cost drivers, analyze cost structures, and implement measures to contain costs without compromising quality, service levels, or strategic objectives. By adopting a systematic, data-driven approach to cost management, organizations can enhance their agility, resilience, and competitiveness in a rapidly changing business landscape.

KEYWORDS:

Cost Management, Cost Optimization, Cost Reduction, Cost Structures, Customer Value, Data Analysis, Decision-Making.

INTRODUCTION

Unless the contents of the lease agreement are explicitly stated, including provisions about operations, duties and responsibilities, income sharing or rental only, property upkeep, human resources, handling of any ings received from owners, etc. It may cause a great deal of conflict and miscommunication, which may ultimately lead to the agreement's dissolution. Operating under a lease model restricts the ability to make essential adjustments, such as renovations needed to keep up with consumer trends, since the lessor must bear the whole expense of these modifications. In the long run, there may be a decline in business if he doesn't commit to this. In order to keep properties in excellent condition, the lessor must also make sure that they are maintained and that regular repairs are made. This is often a contentious subject since money must be committed. For the model to work, Lessor must not meddle and there must be complete operational independence. To manage the properties, both the lessor and the lessee must provide their whole dedication, and this should continue over time. The company and leasing agreement will completely collapse as a consequence of fence sitting and a short-term vision[1], [2].

The implementation of an innovative method may be achieved by managing and overseeing the operations of many properties, which presents both opportunities and obstacles. Possibilities include cost savings and increased efficiency as a result of centralization and

control. If a visitor has a positive experience at one hotel, they will undoubtedly want to utilize other facilities in the chain, which also implies more business opportunities. If a guest's preferred property is unavailable, they may also be given an option from among the other properties. As a result, company that may have otherwise gone to others can stay on the group properties. However, obstacles come in the shape of geography and various local cultures. Keeping several locations under seamless management is a difficult endeavor that calls for qualified personnel that share the same standards and cultural ethos. The primary issue is finding the correct combination. The operator's solid history and advantageous location should be properly used. Having said that, to guarantee seamless operation, a centralized system of monitoring the activities and other areas has to be carefully planned and put in place with a strong mechanism. The recommended framework is as follows:

Priority one should be given to aligning all properties—including those that are merging—into a single mother unit in order to facilitate systems and procedures for tracking and consolidation. Technology offers a plethora of opportunities for monitoring and managing different areas; this should be fully used with little manual involvement. A centralized server that is connected to each individual unit is the answer to guarantee seamless operation. Every region that has to be kept an eye on and regulated must be identified. In this instance, the primary areas that need extra care are payments, reporting formats, procurement, MIS systems, and consolidation. Start by creating a standard operating procedure that applies to all properties, with local needs the lone exception. SOP has to be comprehensive and clear in all respects. SOP should be reviewed and updated as needed to meet requirements. SOP is sacred and ought to be adhered to strictly. Make that every member of the operational staff is properly informed and trained to adhere to the SOPs[3], [4].

Acquire and set up an appropriate centralized server that links every unit to the people residing in it, providing accessibility controls. Senior Management Staff working in the corporate office will have instant access to all pertinent unit-related information. Every unit's server will be linked to the corporate office's central server, and data will be updated continuously. Every unit will have a controller overseeing the accounting department. Every unit will have access to operational software and financing. Every month, they would compile the unit accounts and send them to the corporate office for consolidation. Create regulations for the use of human resources in each unit based on the specific needs of the area. Senior staff, on the other hand, will be hired solely on the basis of their qualifications and expertise, and they may be moved or redeployed as needed. The procurement of essential goods of significant value, such as meat, poultry, linen, housekeeping supplies, and guest amenities, must be coordinated and managed from the corporate office. Centralized contracts with projected and built-in unit needs are required for this. Under this category, all operational supplies must fall. The high volume will guarantee improved control over both quantity and pricing. Make sure that purchase orders for specific suppliers are released from the corporate office and that copies are sent to the relevant units. Regular commodities may be ordered in bulk with a separate appendix for quantity delivery to individual units. When an item is needed, each unit will raise an indicator that shows the amount of stock available, the date of the previous purchase, the amount used, and, if stock is available, the reason for the necessity. In regions like Shimla where supply might be affected by weather, indents must be increased at regular intervals and must account for the lead time needed for delivery. Local purchase orders may be used to acquire both regular and emergency supplies locally. However, Corporate Office will issue payment. Payments for all materials supplied to specific units will be handled and paid by the corporate office. After properly processing the invoice, which includes inventory accounting and certification, the concerned hotels will send it to the corporate office once a week for processing and payment[5], [6].

Using an impress system, emergency cash purchases up to a predetermined limit will be allowed to cover needs only. The Corporate Office alone will get all income. Bank accounts will be accessible to individual units only for the purpose of deposits. Any cash that has been collected has to be deposited into a bank account and properly reported to the corporate office every day. Any deviations must be explained if they occur. Local units will only have restricted access to banking services, and they will need to register a separate account in order to transfer money to fulfill obligations like paying salaries and filing taxes, among other things. The authorized bank account may only be used by the General Manager and the responsible Finance personnel. Mandatory daily reporting in an organized manner is necessary. This report will include all sales division-wise information along with a proportion of occupations.

Food prices

The Corporate Office will see to it that each impacted unit receives notification about the affected ings. Depending on the availability of rooms and other amenities in the units, the corporate office will confirm. Centralizing the information is a smart idea if you want to have greater control and prevent confusion. Corporate office must set the tariff; deviations are not allowed.

If the rooms, hallways, etc. are accessible within the general framework, individual units may sell them. In the interest of company as a whole, a certain level of operational independence with regard to sales must be granted. A suitable control mechanism must be established to oversee this. In order to ensure effective monitoring and the ability to take corrective action when necessary, the corporate office will have a unified reporting system to monitor daily operations related to all areas[7], [8].

Establish a corporate operational budget system with consolidated funds for each unit, along with attainable goals for profit, cost, and sales. Room rent and occupancy requirements must be predetermined and cannot be changed unless there are exceptional circumstances. It is essential that the budget be established in a participatory manner, including input from local units to ensure full cooperation and effort toward the goal. A suitable system of rewards must be established in order to meet the goal. Reports must be reviewed on a regular basis, such as a daily, weekly, or monthly basis, and when necessary, remedial action must be taken. The corporate office and units alike must adhere to a robust reporting system. Since cash is king, it is essential that all outstanding debts be paid, price controls, procurement costs, consumption, food costs, breakages, inventory controls, and so on. Corporate officials must regularly visit individual units to have a sense of the situation on the ground and to keep an eye on operations, property maintenance, employee opinions, etc. If the following steps are taken seriously, they will guarantee profitable operations and seamless operations.

Its 325 rooms are split up into several categories, from Standard to Suites, and the prices are determined by the demand during peak travel times. The hotel has a stated rate, but owing to business circumstances, it is not always able to adhere to it. As a result, the average room rent fluctuates based on demand. The firm operates on a seasonal basis, with strong demand during the second half of the fiscal year and low demand during the first. The hotel has a 24-hour coffee shop with a rotating menu with cuisines from various regions. In addition, the hotel has a corporate conference space and a rooftop Pan Asian restaurant. Additionally, the hotel has a lobby-level establishment that offers food and drinks all day long. Liquor is also served there. In addition, it has a segregated bar and discotheque where weekend activities are planned. In addition to the popular Sunday brunch, food events are held on a monthly basis[9], [10].

The hotel has all the facilities one would expect from a five-star establishment, along with a business center, board room, and foreign exchange capabilities. The business environment was excellent up until approximately four years ago since there wasn't much competition for hotels in this level. With the introduction of bigger hotels from well-known companies in the area, things have altered and provide a significant challenge. Due to shifting economic conditions, the business has witnessed significant upheaval, and passengers often choose not to stay in hotels unless absolutely necessary. Price pressure is thus intense. Every year, the Finance Department participates heavily in the budgeting process, which also involves marketing. Insofar as they provide their annual needs, other departments participate. With the assistance of the Finance Head, the General Manager sets the tone for budget creation three months ahead of the start of the new fiscal year. To assist in creating budgets, the head of finance distributes a template budget to each department, which includes information from the previous year's actuals. While other departments provide their projections for spending, such as significant repairs, capital expenditures, etc., the marketing department provides its estimate of expected income from different sources. After the data is collected, a draft is created and reviewed by the department heads, the general manager, and the head of finance. As a result of the talks, certain changes are made before everything is finished, such as increasing sales projections and cutting costs. Fixed objectives for costs and revenue are unfeasible as there is a degree of uncertainty about whether the targets will be met. Objectives for revenue growth are established at around 15% over the previous year, whereas objectives for costs are either set at current levels or with low growth expected overall. Such a method of budget creation is not entirely approved by management or the board, who would like a budget that is more achievable, practical, and allows for course corrections as needed. The management discovers that the goals are not met in terms of sales and expenses, and there are too many variances, which significantly strains cash flow and the end product[11], [12].

Essential

Begin by creating a department-specific budget template that includes all the necessary information, such as the amount of people required for the department and the associated costs;

Revenue and expenses must be separated in the template

Details about the previous two years' data head-wise must be included in the template. Because there is a guideline accessible, this makes the forecasting procedure simple. Make sure that the proportion of the total for each head is likewise included. Hold a meeting with all relevant department heads to begin the budget-making process. During this meeting, go over the whole process in detail and provide any clarifications. The General Manager and the Finance Head must complete this. To make it participatory, all relevant staff members must be involved.

The finance head will distribute the department-specific template and solicit feedback from each department, asking them to complete all the requirements. Any questions must be addressed and answered before filling out the template. Make sure the relevant departments take the time to create a budget that is based on needs and can be satisfied. For instance, only when an income stream is present can expenses under each heading be covered. Department-specific revenue objectives must be set while taking the anticipated market condition into account. In a similar vein, outlays must match anticipated income. When the draft budget is complete, the finance head should meet with the heads of other departments to discuss it. If necessary, corrections must be made at this point. A projected balance sheet, profit and loss

account, and cash flow must be created in addition to the draft budget. The Board and senior management are shown the draft budget, and each department head is asked to defend the assumptions employed and provide an explanation for the prediction that was produced. Before a final blueprint is created, any changes recommended by the board and management must be implemented.

The finance head must make sure that all revenue and expenditure factors, such as acceptable standards, are appropriately factored in, including a fair rise in costs while taking inflation into account.

It is important to maintain a certain level of Gross Operating Profit since any decrease in this area would impact the overall profitability. Finally, but just as importantly, each person should have goals that are personal to him and that he can achieve. This might be transformed into a KPI that rewards accomplishment and performance. Regularly comparing actual performance to the budget, together with a variance analysis that explains any deviations and provides strategies for correction, is an excellent practice.

CASE SCENARIO 2- COSTS OF FOOD & BEVERAGES

There are 150 rooms in the luxurious hotel run by World Resorts Limited, ranging from Standard rooms to Presidential suites. The hotel also has four eating establishments, one of which is a 24-hour coffee shop with 100 seats for buffet lunches and dinners. Specialty restaurants offering a variety of cuisines, from Indian to international, comprise the other establishments.

The hotel also has a well-managed poolside bar that serves meals. Additionally, the hotel has six banqueting spaces that can host anything from intimate gatherings to large business meetings and weddings. In addition, the hotel often hosts poolside parties since the space around the pool can host large gatherings with up to 500 people at a time. The patrons are particularly drawn to the Sunday breakfasts.

The hotel hosts more business events, such as get-togethers, day trips, residential conferences, and large weddings, because of its location away from the city. Additionally, because of its close proximity to a large facility where large shows are often staged, it regularly provides outside catering for occasions like exhibitions.

The Vice President oversees the operations and is supported by a cohesive team that staffs several departments. The Executive Chef oversees a team of skilled chefs and support personnel in the Food and Beverages Department. Large-scale operations need continuous oversight of all aspects of ingredient procurement, such as different food products, gas and electricity, labor, drinks, etc., to make sure that costs are properly tracked and managed to stay within predetermined bounds. Employees at the hotel are engaged on contract, depending on the magnitude of the occasion.

The Cost Controller provides a monthly report on the total amount spent on food and beverages, and the management uses this information to monitor food and beverage expenditures. The method makes it impossible to properly analyze all of the expenses made in a given month. Rather, it provides just a broad overview of the expenses spent, when what is really needed is to know the precise expenses incurred under each heading, take action to limit them, and make sure that the hotel has a reasonable margin for pricing. It should be mentioned that the whole cost of food and drink, including overhead, cannot be more than 35%.

The management is worried that standards are not being maintained and that costs are consistently between 40 and 45 percent. This is a major source of worry as margins are being squeezed by the inability to raise prices over a certain point apart from special occasions and client demands.

Required-

1. Possible reasons for high cost of Food & Beverage
2. Suggested Strategy and control measures to keep costs under control.

DISCUSSION

It is crucial to keep expenses associated with hosting any event tightly under control at any functioning hotel with several dining options, banqueting spaces, and outside catering. A mere percentage point difference in expenses might have a significant impact on the whole picture and result in a loss of margin. It is clear from what has been said that not much investigation is being done to determine why costs are higher than expected and to make the necessary adjustments. To have a comprehensive understanding of the causes of the cost spiral, it is not enough to simply prepare a monthly report on a worldwide scale. In the greater benefit of the organization, a variety of actions, such as strong coordination across operational divisions, are required. Since the F & B department bears the majority of the cost associated with procurement, it plays a significant role in maintaining costs. This is obviously not the case in this instance, and the current state of affairs has been exacerbated by a lack of coordination and control. The contributions from other operational divisions, such as F&B Service, HR, etc., must be equal.

First things first, a strong operating budget system has to be established. This has to be completed departmentally. The total budget has to be an annual one with specific, attainable goals for spending and sales, as well as a target gross operating margin and net profit. To facilitate analysis and comparison on a regular basis and permit necessary course corrections, the budget must be divided into monthly and quarterly operational budgets. Every operational department head has to be included in the budget-making process. They'll see to it that personnel participate in the procedure. To facilitate monitoring and reporting, the Food and Beverage System of Cost Control must guarantee that all operational data, including procurement costs, are integrated in.

Recipe and menu costing must be adopted in order to implement standard costing for every item on the menu. The executive chef, who establishes the menu and the items to be utilized, works closely with the F&B department in this process. At least once per quarter, this standard and actual costs should be reviewed so that adjustments may be made to either lower costs or discover a different, high-quality way to prepare a certain dish. The marketing department may be consulted on the possibility of raising fees. It is necessary to implement an event-by-event costing system in order to evaluate the profit or loss associated with each event and establish benchmarks for future events that are comparable. In some situations, this kind of costing must be created using estimations in order to determine the price at which the event cannot be completed or to allow a quotation to be provided for it.

The cost controller is responsible for making sure that every month, all operational parameters, including procurement costs, are examined and compared to the budget in relation to F&B costs. As part of the monthly MIS, a report with an analysis of variance must be sent in. The department in charge of delivering the services must evaluate the reasons for the discrepancy and provide explanations and cost-controlling remedies. It is necessary to

identify and eradicate any areas where inefficient practices exist. One example would be hiring more contract workers than necessary. Appropriate internal control mechanisms must be implemented for any system to operate effectively. Every operational department has to have standard operating procedures, which must be strictly adhered to, examined for deviations, and addressed with corrective action. To stay up with needs, the SOPs need to be updated often. A crucial prerequisite is the Purchase Committee's constitution, which is led by the CFO. The Committee meets every two weeks to discuss the procurement and other matters. It is composed of important management staff members. The committee must approve every purchase.

A keen eye for detail and ongoing oversight of procurement operations, including inventory management, are required. The tendering procedure for yearly contracts must be scrupulously adhered to. Discounts and incentives offered when purchasing large things must be taken advantage of. For instance, to promote foreign exchange earnings, the Indian government provides a number of incentives under the Service from India Scheme. Duty Credit Scrip, which may be used to purchase any goods, including drinks, duty-free, are awarded depending on foreign profits. This needs to be used. Establishing a strong system of contracts for the purchase of F&B goods and services is necessary. This has to be checked often to make sure that no provider is ever overcharging. This may be accomplished by routinely comparing the costs imposed or paid by other hotels, as well as by going to markets. Contractors are required to comply with all relevant regulations, including labor laws and licensing; otherwise, the hotel, as the primary employer, will be held heavily liable. Costs will increase needlessly as a result. Finally, since it impacts the margin and bottom line, costs must ever be permitted to go above the established boundaries. It's important to keep an eye out for new innovations and best practices, such as switching to alternative energy sources.

Improve Block Models in Health Care

Laven Medical Services Pvt. Ltd. Ltd is a group of doctors from the same family who are highly skilled professionals. Of the five promoters, one is a senior general practitioner with more than 43 years of experience, and the other is an anesthetist with over 35 years of experience who specializes in giving patients anesthesia. In addition, she teaches as a visiting professor at a prestigious medical school. The third is a licensed dentist with a contemporary dental specialty and a well-stocked clinic. The fourth is a licensed homeopath with expertise in cutting-edge homeopathic therapeutic techniques. The fifth one specializes on treating cancer in the realm of gynecology and associated fields.

The five physicians have established a solid reputation for being knowledgeable about the most recent developments in the medical field and applying them with diligence. The setup has plenty of room to grow and is situated on its own property. Owing to the professional's extensive experience, the clientele is diverse and rather sizable. The primary advocates of the company are a husband-and-wife combo of homeopathic physicians and dental surgeons. The dental surgeon has completed advanced coursework in a number of fields outside of dentistry, such as hospital administration, sleep apnea therapy, advanced dental training techniques, international dental training, and the requirements that must be met in order to become a permanent resident of another country and practice dentistry. A homeopath has met the requirements to become a licensed physician at Canada's renowned hospital. This involves clearing a number of exams that the local government has recommended. Equipped with this experience and multidisciplinary expertise, it seems sense that they would want to use it for further purposes, which can only be accomplished via an official setup. Thus, the choice was made to properly establish a limited company that incorporates all sound governance and business standards. The arrangement is mostly motivated by young, aspirational dentists and

homeopaths who want to advance in their careers. Each of the five physicians has an equal share in the company. In addition, they have hired a senior finance specialist to help them with all financial and operational issues. With the possible exception of specialized training, which has little to no competition, the company's proposed treatments are seriously threatened by competition from current health care providers. The company has made the decision to construct the facilities required to support operations using the infrastructure already in place. The Company's business strategy consists of the following:

Individuals are seeking affordable, specialized medical treatment all under one roof. The modern lifestyle puts a great deal of stress on the typical person. In addition, the way of life, which includes eating habits, lack of appropriate exercise, lack of sleep, etc. All of these factors lead to health issues in today's youth. That's the potential that promoters want to capitalize on.Increase the scope of the current dental practice to provide cutting-edge care that is now only provided abroad. Create a facility that can provide all medical services under one roof since the promoters are knowledgeable about almost every kind of medical care. Establish a training center to instruct future dentists who want to practice overseas and to provide them with guidance on the necessary procedures. In addition, the company intends to educate medical professionals throughout the nation in modern dentistry and therapy. Both in-person and online training methods will be used for the sessions. The company has partnered with some of the top educational institutions in the globe to provide regular training. Additionally, tying up has been done to make migrating easier.

Make use of the knowledge acquired in the management of sleep problems, such as sleep apnea. Patients receiving this specialist therapy under simulated settings are suffering from sleep disorders such as snoring, which, according to a research, may be fatal if not identified and treated promptly in acute situations. Collaborate with hospitals and specialist diagnostic clinics to provide patients with care, since it may not be feasible to construct all facilities. Necessary infrastructure, such as spaces in the current building with adequate room to be developed, a facility for advanced dental treatment, and a facility for virtual and web-based teaching. The current setup is equipped with everything needed to provide medical help, with the exception of sophisticated therapy.

The setup's unique selling point is its readily available infrastructure, which is conveniently placed in the city center and is complemented by a staff of highly qualified medical experts from a variety of specialties. In accordance with the plan, a plan of action has been developed to expedite the establishment of the facility and promote the range of services provided via a website and direct mail to physicians and patients. There have already been pilot initiatives, and the feedback has been positive. In order to guarantee that everyone may benefit equally, the plan also calls for training to be held on medical college and hospital campuses. It has been determined that there will be no compromises on the treatment or training techniques, and all resources will be used to this end. Cost will be greater since medical professionals and foreign training institutions will provide high-quality care and training. Even so, it will still be far more than what could be needed if someone chooses to learn elsewhere. The company intends to enter this market in the next stage as medical tourism is rapidly gaining traction and will likely be a significant source of revenue growth in the future. Turnover is anticipated to reach around 5 million in the first year, with intentions to increase it to 3 cr by the fourth. In the first year, promoters anticipate returns of around 10%, increasing to 20% in the fourth year. Before opting to take the risk, promoters had researched the prospects to provide these services for a number of years, including ongoing contact with eminent physicians overseas. Aside from the money needed for operating capital, it is projected that almost $1 billion will be needed to build the essential infrastructure, including the equipment needed for initial

treatment and training. A small number of private equity companies have shown interest in purchasing stock in the company after becoming convinced of its ambitions and the qualifications of its founders. Since the promoters want to maintain control over the firm during its early stages, they want to proceed cautiously and seek the optimal balance between stock and borrowings.

Necessary

Laven Health Services has entered the very competitive healthcare industry and established high goals for both profit and turnover. Given the sheer number of specialist hospitals and diagnostic facilities that have opened in recent years, the industry is very competitive. They were founded by seasoned industry experts who are prepared to spend big money to draw in top personnel and guarantee that patients get the greatest care and facilities.

Having stated that, price is a significant factor in addition to payment affordability. The hospital and super specialized centers serve a specific market with large wallets and financial resources. Because they cannot afford the expensive therapy, this leaves the less fortunate middle class and vulnerable without access to competent medical care. Research indicates that for every patient who receives a cure, at least one more perish. The gap between quality, reasonably priced healthcare and high-class healthcare is closing. It is necessary to shut this bridge. Here's where Laven excels above the others. Because of the small-scale arrangement, there are less overhead costs, which allows for competitive pricing that will increase volume.

Establishing benchmarks for performance entails:

The process of establishing quantifiable and achievable goals. For instance, Laven hopes to reach the first year's sales goal of $5 million. This is only possible if there are well defined boundaries, both in terms of individuals and items.

Initially, these objectives need to be divided into quantifiable segments, ideally based on months. This is required since Laven is experimenting with a variety of services, and only time will tell how the market responds to it and if it generates income.

Another element that will significantly impact the model's success is pricing. To attract patients, it might be required to start off with a lower price or provide a value add-on. The company could have to incur losses to this degree. After the procedures settle and the patients reach a comfortable level, this may be stopped. Since the venture's promoters are investing their hard-earned money and want to get bank and institutional loans that must be repaid, it is important to remember the financial objective. Regular brainstorming sessions, maybe even daily, will be necessary to assess how well the company's different services are doing in terms of foot traffic, services selected, income earned, etc. and to plan the next course of action, if necessary.

Attention must not be diverted. Treating each service provision as a separate business unit (SBU) and developing a mechanism to track the profit or loss of each activity are the best ways to gauge success. The ideal operational budget would include every component and be divided into months for each section. Achieving breakeven, operational profit, and a respectable return on capital used must be the main priorities. If a course correction is determined to be necessary, some areas may need to be closed. Measuring the effectiveness of doctors and trainers, including those hired to provide services, is a crucial consideration. Despite being experts in their field, these individuals are often overburdened with tasks and may lose concentration on the task at hand. Contracts with these doctors need to be quite explicit and allow for termination when necessary. They should be inspired to join Laven at

the same time. The ideal choice is the revenue sharing model, in which a doctor receives 70% of the price for each case they manage, with 30% going to Laven. An incentive program might be added to sweeten the pot if the doctor's goal patient count is surpassed. As was said in the previous paragraph, in order to ensure that the overall income aim is not overlooked, specific goals must be established for each region, and physicians and trainers must work together to attain the same. Hiring knowledgeable and well-trained support personnel is crucial. Providing continual on-the-job training on the many treatments available is also essential to keep staff members informed about the newest advancements in technology, including equipment handling. Establishing clear HR practices can help you recruit and keep the proper staff, even with a small setup. Putting money into your people is a good idea since they are your most valuable asset and will be motivated to work hard if you pay them well and provide perks. First and foremost, a thorough business plan that includes information on all technical aspects, available treatments and training, necessary investment, breakeven point, projected revenue, and expected profit must be prepared.

It is necessary to prepare seven-year projections that cover all relevant information, such as the projected profit and loss account, balance sheet, cash flow statement, and breakeven analysis. Make a list of all the furnishings, equipment, and infrastructure that must be purchased for training, including web-based training. Infrastructure needs to be developed with future needs in mind, as intermittent funding does not present the business in the best possible light.

CONCLUSION

The complexity of cost structures and the wide range of variables that affect costs across various organizational roles, processes, and activities are one of the main obstacles to cost management. Organizational features, market circumstances, industry dynamics, and legal constraints may all have a significant impact on cost structures, which makes it difficult for firms to identify and prioritize areas where they can cut costs. Furthermore, stakeholders that believe cost-cutting measures would harm quality, innovation, or staff morale may oppose cost-control initiatives. In order to overcome these obstacles, companies need to take a comprehensive strategy to cost management that takes into account the trade-offs and interdependencies between cost-cutting measures and other organizational goals including long-term sustainability, employee engagement, and customer happiness. Solutions for cost management include a variety of approaches and methods designed to control expenses at every stage of the company life cycle, from budgeting and strategic planning to purchasing, manufacturing, and distribution. Developing strategies to maximize resource allocation and utilization, identifying cost drivers and potential for cost reduction, and matching cost management initiatives with overall company goals and market dynamics are all part of strategic cost control. Implementing targeted efforts and strategies to cut costs in areas like inventory management, distribution logistics, manufacturing efficiency, and procurement are the main goals of tactical cost control. Daily cost monitoring and management, variation identification, and corrective action are all part of operational cost control, which keeps expenses within budgeted bounds.

REFERENCES:

[1] E. Fatma and D. S. Pulungan, “Analisis Pengendalian Persediaan Menggunakan Metode Probabilistik dengan Kebijakan Backorder dan Lost sales,” *J. Tek. Ind.*, 2018.

[2] Y. Sawle, S. C. Gupta, and A. K. Bohre, “Review of hybrid renewable energy systems with comparative analysis of off-grid hybrid system,” *Renewable and Sustainable Energy Reviews*. 2018.

[3] S. W. Winda, "Formularium Nasional (FORNAS) dan e-Catalogue Obat Sebagai Upaya Pencegahan Korupsi dalam Tata Kelola Obat Jaminan Kesehatan Nasional (JKN)," *INTEGRITAS*, 2018.

[4] J. H. Han, M. Kwak, Y. Kim, and J. Cheon, "Recent Advances in the Solution-Based Preparation of Two-Dimensional Layered Transition Metal Chalcogenide Nanostructures," *Chemical Reviews*. 2018.

[5] C. P. West, L. N. Dyrbye, and T. D. Shanafelt, "Physician burnout: contributors, consequences and solutions," *Journal of Internal Medicine*. 2018.

[6] J. G. Pitter, Z. Vokó, A. Józwiak, and A. Berkics, "Campylobacter control measures in indoor broiler chicken: Critical re-assessment of cost-utility and putative barriers to implementation," *Epidemiol. Infect.*, 2018.

[7] C. McDowell, M. Abdelsamie, M. F. Toney, and G. C. Bazan, "Solvent Additives: Key Morphology-Directing Agents for Solution-Processed Organic Solar Cells," *Advanced Materials*. 2018.

[8] H. M. Stellingwerf, G. Laporte, F. C. A. M. Cruijssen, A. Kanellopoulos, and J. M. Bloemhof, "Quantifying the environmental and economic benefits of cooperation: A case study in temperature-controlled food logistics," *Transp. Res. Part D Transp. Environ.*, 2018.

[9] J. A. White and A. M. Streets, "Controller for microfluidic large-scale integration," *HardwareX*, 2018.

[10] G. Li *et al.*, "Enabling Controlling Complex Networks with Local Topological Information," *Sci. Rep.*, 2018.

[11] A. M. Lonzetta, P. Cope, J. Campbell, B. J. Mohd, and T. Hayajneh, "Security vulnerabilities in bluetooth technology as used in IoT," *Journal of Sensor and Actuator Networks*. 2018.

[12] B. M. Popkin and T. Reardon, "Obesity and the food system transformation in Latin America," *Obesity Reviews*. 2018.