International Journal of Innovative Research in Engineering and Management (IJIREM)
ISSN: 2350-0557, Volume-9, Special Issue-10, October-2022
Innovative Projects 2022
Organized by Presidency University, Bangalore, India

# Importance of Financial Statements in Accounting

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**ABSTRACT**

The analysis of financial statements is a critical process that involves evaluating and interpreting financial data to assess the financial health, performance, and prospects of an entity. This abstract explores the importance of financial statement analysis and highlights key methods and tools used in this process. It discusses the key financial statements, including the balance sheet, income statement, and cash flow statement, and explains how various ratios, trends, and benchmarks can be employed to gain insights into an entity's liquidity, profitability, solvency, and efficiency. Additionally, it emphasizes the significance of financial statement analysis in making informed investment decisions, assessing creditworthiness, and evaluating business performance. Financial statement analysis provides valuable information to stakeholders, such as investors, creditors, and managers, enabling them to make informed decisions. The balance sheet presents a snapshot of an entity's assets, liabilities, and equity, reflecting its financial position at a specific point in time. The income statement reveals the entity's revenues, expenses, and profitability over a given period, while the cash flow statement tracks the entity's cash inflows and outflows. By analyzing these financial statements collectively, stakeholders can gain insights into the entity's financial performance, stability, and cash flow dynamics.

**KEYWORDS**

Financial ratios, Horizontal analysis, Income statement, Liquidity analysis, Profitability analysis, Statement of cash flows.

## I. INTRODUCTION

Calculations based on ratios may be used by the business to assess its success. They assist the business in determining if trends are advancing or regressing. By comparing two integers to one another, they are computed. The best way to utilize ratios is to compare them to comparable ratios from the previous year as well as to ratios from other businesses in the same industry. Ratios may be used to set objectives for future performance.

### Statistical Measures

To track the company, many of us utilize statistical indicators, many of which are ratios. These essential signs include:

1. Production per worker hour
2. use of capacity
3. Share of the market Sales orders
4. Average production run duration
5. miles with passenger revenue
6. replies to letters

The nature of several of these productivity measurements is instantaneous. They may be observed on an hourly or daily basis, and management can respond right away with modifications. These are "real-time" indications in the truest sense [1]–[3].

These data measures fall squarely within the purview of internal management. Although external parties would undoubtedly find interest in and value in internal statistical data, they have little or no access to it. It's interesting

to note that information on units manufactured, units sold, and available inventory in the automotive industry is public. This, however, is an exception.

First-level line managers in both sales and operations often and regularly want precise statistical data. Supervisors of operations adjust equipment, reallocate employees, and handle inventory logistics. Daily or weekly sales calls are managed by sales managers, who also send staff to trade events and gauge client satisfaction right away. This level of specificity is not necessary for senior managers to fulfill their duties, especially not on an hourly, daily, or possibly even weekly basis. The more the degree of responsibility a manager has, the more an overall viewpoint is required. This explains why managers' interests and viewpoints shift toward becoming more financial and strategic as they rise through the organization's levels.

**Financial Ratios**

Financial ratios provide a better overall picture. They assist management in keeping track of the business' performance over time perhaps a week or a month. The analyst must: in order to completely understand and effectively utilize the financial ratios [4]–[6].

**Recognize the company and its offerings.**

1. Examine the company's performance in light of the economic environment.
2. Recognize the company's legal and regulatory challenges.
3. Examine the ratios in light of the surrounding competitive environment.
4. Be aware of ratio behavior and industry averages.
5. Financial ratios are used by people with a broad range of interests to evaluate the company. These consist of:
6. experts in external security
7. Both prospective and current shareholders
8. financiers and bankers
9. Manufacturers and their credit officers
10. Competitors
11. Regulators
12. Board of directors internal
13. senior leadership
14. Marketing, sales, operations, finance, and human resources

**Strategists**

Each of these groups has unique viewpoints and requirements. In order to develop a marketing plan, it is necessary to comprehend the company's financial capacity for expansion. Suppliers evaluate the business's capacity to settle its accounts in compliance with the established credit conditions.

Ratios must be analyzed in the context of other factors. It has been argued how useful statistical indicators are. Numerous environmental and commercial variables have been found. Ratios are particularly useful when they can be seen as a part of a trend and when they are compared to the same ratios for rivals, as was previously noted.

Four main categories may be used to categorize financial ratios:

1. Ratios of liquidity

Ratios of working capital management

3. Profitability metrics

4. Ratios of financial leverage

There are several possible ratios, and the precise definition for each may change.

The important ratios are thoroughly described in the paragraphs that follow, along with highly practical definitions.

**Availability Ratios**

Liquidity ratios gauge and aid in assessing a company's capacity to make consistent, week- or month-to-week, bill payments. The fast ratio and the current ratio are two often utilized ratios that aid in evaluating this.

**Actual Ratio**

The current ratio contrasts current liabilities with current assets.

Despite the fact that all of the absolute quantities have grown greatly, Metropolitan's current ratio has slightly dipped. Accounts payable and bank debt have grown, mostly to pay for the much larger levels of inventories. As long as the interest on the bank debt and the terms or restrictions imposed by the loan are not overly onerous, there is no indication of a problem. The ratio itself continues to be within accepted bounds, particularly for a manufacturing organization [7]–[9].

## II. DISCUSSION

### Rapid Ratio

The rapid ratio serves the same function as the current ratio, but it does so over a shorter period of time. The only difference between its calculation with the current ratio is that it excludes inventories. It is important to realize that inventory and accounts receivable have quite different liquidity levels before using the fast ratio as an analytical tool. When a business receives payment from its clients, it has already completed its task and met its obligation to those clients by delivering superior goods and services. Whatever funds were required to make this happen have already been used. But and this is a huge but, the corporation has to spend more money in order to "liquefy" its inventory. There is still work to be done and money has to be spent; raw materials and work-in-progress inventories have not yet been transformed into completed goods. Despite being done, the finished products inventory has not yet been sold or delivered. As a result, inventory is not an asset that is extremely liquid. It is categorized as a current asset because cash is anticipated to be generated from it in less than a year, maybe in as little as six or two months. Inventory is thus a liquid asset as compared to fixed assets and long-term investments, but it is not liquid in the same sense that market securities and accounts receivable are.

Metropolitan's quick ratio has dropped from a very comfort level to one that is just comfort. Naturally, this assumes that the bank debt's conditions are reasonable and that the company's significant investment in goods will be profit. When we analyze working capital management, we will look at these difficulties in more detail.

### Comfort Levels Exceptions

Our earlier remark about accept levels for certain liquidity ratios has some exclusions. The company's future would be in grave danger if the current and quick ratios were in the comfort zone but a significant portion of the bank debt were due the next day. Even if the company's current ratio was enough, its ability to deliver items to clients on schedule would be hampered if the completed goods inventory it had on hand did not match what the customers were looking for at the time.

### Working capital management ratios

These ratios and measurements let a business assess how well it is managing the credit function, as shown in its accounts receivable, as well as the management of inventories.

### Outstanding Days' Sales

The average number of days it takes a business to recover accounts receivable from clients is measured by days' sales outstanding. When a business offers credit terms to its clients, it allows them to pay the business after receiving its goods or services rather than up front. The client so acquired first-rate goods and services that it can now employ to increase its own profitability without having to pay for them at the time of delivery. Credit conditions are offered because granting credit promotes the sale of goods. Credit extension offers the business a competitive edge. If the average number of days that a sale goes unpaid is 43, that indicates that it typically takes that long from the moment that an invoice is sent until the money is actually recovered from the client. In comparison to the sale's credit conditions, this should be evaluated. An average collection duration of between 40 and 42 days should be regarded as accept if the credit terms are 30 days. A collection time of more than 50 days necessitates a review of credit risk, credit process management, and the connection with late-paying clients going forward [10].

### Accounts Receivable's Age

An extensive summary of how long the business has been patiently waiting for its clients to pay their invoices may be found in an aging of accounts receivable. Since the funds were invoiced less than 30 days ago, the majority of the accounts receivable balance is often not yet due. A sizeable payment may be overdue by more than 15 days or by more than 45 days. Bills that are more than 45 days old are a clear indication that the customers are unable or unwilling to pay, thus Metropolitan Manufacturing Company obviously has some receivables issues. The likelihood

that the business will be able to collect those who are older than 60 days is not very high. If the accounting department's collection team is to get the money, they will undoubtedly face obstacles. It should be determined if it is desirable to go on doing business with such clients. Customers with receivables between 45 and 60 days should be given some attention before they, too, turn into a deteriorating issue. It is obvious that Metropolitan Manufacturing has to alter both its attitude and that of its clients, as well as start to alter some of its beliefs and methods.

**Improving Receivables Management**

Your business may significantly increase cash flow by reducing accounts receivable without compromising sales volume. When dealing with current and new consumers, you should keep in mind the following list of fundamental credit management fundamentals. Some of these ideas may not be sui for your company at all, and not every suggestion will work in every circumstance. Nothing, however, will work if you don't give it a go.

1. Credit is a marketing device. Customers are given credit in order to encourage them to make purchases and to provide businesses an extra competitive edge. Put the extension of credit to the test. Will it have an impact on whether the consumer purchases from you? Will the buyer buy more or make another purchase as a result? You have a right to receive compensation. You have earned it since you invested money to close the deal and gave the consumer the best product or service available.

2. Never make credit extending automatic. It is an essential step in any negotiation. Your delivery, service, and sales staff should get training to support your credit strategies.

3. If the client requests it and justifies it, cheerfully provide credit. Find out how much time the consumer would like to have. Never provide credit with a 30- or 60-day grace period. Some clients may want less time than you would have normally given them. Customers will make payments more quickly in order to keep a highly significant supplier's trust.

4. Teach your clients how to pay quickly. Recognizing that ingrained behaviors take time to change, focus on providing high-quality goods and services rather than acting as a banker in the eyes of your clients.

5. Set the timer to running. Credit terms should begin on the day the goods are delivered and not the day the invoice is sent, as agreed. Send statements and bills via mail more often. This works well and goes unnoticed quite often. If feasible, provide the customer the bill when the package is delivered. This lowers the cost of postage and increases the customer's awareness of their need to pay you promptly.

6. Never apologies for requesting money. You deserved it since you offered the best goods and services in your marketplace.

7. Make use of technology to increase productivity and effectiveness. Email may be used to send invoices. When compared to ordinary mail, this alone saves one or two days. Make a wire transfer system that allows clients to move money straight from their bank accounts to your business's bank account. Many individuals feel extremely comfort paying their bills online in their personal life. This is how your consumers should also pay. Just these actions could shorten mail delivery by two or three days. Additionally, there will be a reduction or elimination of the time needed to clear an out-of-state check.

8. Encourage the usage of plastic to save money. It costs a lot of money to send out an invoice for $50, $100, or even $200. The expense of issuing invoices and waiting for payment will reduce your sale's profitability. Train the personnel who receive phone orders to request a credit card for these and maybe even bigger purchases as an alternative. Cash flow is accelerated, and the credit card charge is far less expensive than the cost of an invoice. It is evidently effective for online orders.

9. Look for ways to lower the number of unpaid invoices you have. Start out cautiously with your least desired current consumers and prospective clients. both them and your employees in training. Make a six-month goal for yourself and work toward it. See the growth in your financial account.

Ratio of Inventory Turnover

The inventory turnover ratio offers a useful summary of how well the business maintains its inventory, which may be its most valuable asset. It illustrates the link between the average inventory the business has kept to support those sales and the cost of the product that was sold over the course of a year.

**Completed Goods Inventory**

production effectiveness. A corporation has to keep less completed product the more effective the manufacturing operations are. Inefficient operations will need the organization to keep a safety stock of completed goods to assure accept client service.

Made for Stock/Made to Order. The uncertainty around the items that customers will need will force a corporation that produces goods without an order in hand to keep additional inventory. A business that produces goods in response to individual requests, particularly those for custom-designed goods, may only need to keep a small amount of completed goods on hand—if any—instead of stockpiling them for distribution.

Sales forecasting. A corporation will need less completed product inventory the better it can foresee what its consumers would desire. The company will need to retain more merchandise on hand if there is significant uncertainty about the demands of the customers and/or the future course of the markets.

**Lead Periods**. The corporation has to keep less additional inventory on hand the more advance warning consumers offer about their product requirements. Low-value-added distributors must have enough of practically everything they offer on hand to provide their customers with competitive service. In actuality, their additional value is exactly that they have everything available and prepared for quick delivery or pickup. A supermarket is the pinnacle of low-value-added businesses. It only takes crates containing 12 or more products, opens them, and arranges the contents on useful shelves without significantly altering the product's character or content. Having 40,000 of these things in one spacious, spotless, and comfort area adds value to it. Additionally, a supermarket cannot run out of any necessities while yet expecting to maintain its clientele.

**Quantity of warehouses**. Some businesses employ a single warehouse to service their entire market. If the market is geographically concentrated and can be adequately supplied from that one location, then this strategy is effective. If the product is particularly valuable or orders are very big, making shipping a tiny portion of the overall cost, it may be effective even if the market is global in scope. If supplies are not urgent, it may also be efficient to employ surface or maritime transit. However, many businesses are forced to employ a network of warehouses, and maybe even satellites of those warehouses, to service their consumers in the absence of any of these criteria. Inventory levels in relation to sales volumes will be larger for a corporation with many warehouses than for one with only one. Additionally, safety supplies will be increased to guard against transportation difficulties. To ensure client service, minimum quantities of each product line must be kept on hand. More prompt customer service and efficient transportation, with goods being transported in bulk over great distances from the factory to each warehouse instead of being transported individually from the central warehouse to each customer, should serve as a counterbalance to these higher costs and inventory levels. For cost effectiveness, a financial analysis of these options should be offered.

**raw materials and components purchased**

Product Varieties. The quantity of raw materials and components that a company needs have on hand increases with the number of items it creates. The business must maintain a minimum supply of materials and components for each kind of product. This is particularly true if there are few, if any, shared components across the company's completed goods. The minimization of inventory is greatly aided by the commonality of the components. The auto business is a prime illustration of this. In actuality, the frames and other components are shared across several automobile types. In spite of their various exterior designs and perceived levels of quality, several automobile types are the exact same vehicle.

**Chain management of supplies**. Technology has had a significant impact on inventory management, leading to significant decreases in all types of inventories. When a business collaborates online with its suppliers, those suppliers are instantly informed of the products it requires. This lowers errors, shortens lead times, and speeds up the supply-chain procedure. Greater competition pressures suppliers to offer high-quality goods more quickly. When quality issues are resolved, safety stock may be decreased.

**Vendor Diversity/Concentration**. Technology, particularly the business-to-business capabilities of the Internet, has tremendously disrupted the supply chain while also providing tremendous opportunities. If a vendor maintains the highest levels of performance, Internet connections between the vendor and its clients provide the vendor a considerable competitive edge. On the other side, a national supply market has been established thanks to product websites and transportation logistics. Companies used to purchase goods from merchants that were comparatively close by. Now that they have access to the Internet, they can find suppliers throughout the nation, some of whom they had no idea even existed. This makes entering the market less challenging. Lower buying prices, shorter lead times, and less inventory are the results of the fierce competition that results from this, as well as the very reliable shipping assistance provided by businesses like FedEx and UPS.

For Metropolitan Manufacturing Company, the inventory turnover ratio is rather low. This can be a result of Metropolitan's business requiring a lot of inventory. Metropolitan may be a very vertically integrated manufacturer. Or maybe Metropolitan has a particularly service-intensive industry with quick lead times, necessitating the storage of enormous amounts of completed products inventories. Or it's possible that the business is stockpiling vast amounts of raw materials in order to benefit from pricey bulk discounts. The gross profit margins for Metropolitan should be much higher than the industry average if the previous reason is accurate. Alternative explanations for the excessive amounts of inventory include blatant inefficiencies, inefficient buying, or overly enthusiastic sales projections that are not coming true. It would be highly helpful to have knowledge about Metropolitan's industry, its business strategy, and its rivals in order to draw a reliable judgment.

**Calculating profitability**

These ratios help management and others in assessing the accomplishments of the organization. They emphasize:

1. The management team's achievement of profitability
2. investments in the business's assets
3. Revenue generated by the company
4. The money that the owners have put into the company
5. A study of the terminology would be beneficial.

**Measurement Selection Issues**

The performance of the corporation as a whole is a concern for the board of directors, as well as for security experts and credit analysts. Net income will thus likely be the metric they use to assess overall business success. However, security analysts who are interested in the company's performance in relation to the stock market increasingly use EBITDA.

The allowance for income taxes is seen by many analysts as a passive expenditure. First of all, the amount of federal income taxes that are shown on the income statement of the firm is not the amount that the company really paid in federal income taxes. It essentially consists of multiplying the amount of net income before taxes by the corporation tax rate, which is now 34 percent. As a consequence, many experts gauge profitability using the pretax amount.

Many businesses are profit both when they operate internationally and when they export goods from the United States. Of those, many of these "American" businesses are really based in countries that the IRS and others refer to as "tax havens," which are nations that are not part of the United States. Others actually bill overseas clients via these low-tax jurisdictions, evading corporation taxes in the United States. Regardless of their tax planning, each of these businesses reports a provision for income tax at the American corporation tax rate of 34%. One of the main arguments in favor of utilizing EBITDA among analysts is that they believe using net income amounts to measure performance is inaccurate.

Analysts often pay close attention to and are quite concerned with the operating cash flow that the company produced. They often utilize EBITDA to analyze this. EBITDA is also used to assess the effectiveness of managers of certain enterprises, key business units, as well as particular divisions and subsidiaries. The justification for this is that the managers of these businesses do not have to worry about taxes, as well as the revenue and expenditures related to corporate finance, such as interest income and interest expense. They are judged based on the outcomes that they are account for and have a significant amount of influence over. As a result, operational cash flow, best defined as EBITDA, is employed as the measure.

It should be emphasized that gross profit and gross margin are used interchangeably in this article and are regarded as synonyms. Some businesses distinguish between the two, a topic we'll cover later when we talk particularly about product profitability analysis. A manufacturing business has accomplished a lot by having a gross margin of 34%. This may indicate that the corporation is adding value via its operations. A producer of high-end medical items, pharmaceuticals, or computer chips may have margins of as much as 60 to 70 percent on certain of its products, compared to a warehouse distributor who may have gross margins in the 20 to 25 percent range. But it's important to note that Metropolitan's gross margin did not increase despite an extra $298,000 investment in inventory in that year.

Return on assets is a metric that expresses a company's profitability in relation to the total assets that its owners have invested in it. Working capital, tangible assets, and financial assets are some of these assets. Return on equity comprises an evaluation of the firm's capacity to manage both the owners' money and borrowed funds wisely in addition to gauging the overall success of the organization, as does return on assets. The company's capacity to attract new investors would also be impacted by this. A company's ROA and ROE will be equal in the absence of

debt. The improvement in return on equity compared to return on assets will be larger the more debt is effectively utilized to grow the firm. However, as we shall see later when we address financial leverage, an excessive dependence on borrowed money entails significant danger.

The notion of "investing in the business" has undergone a significant transformation as a result of technological advancement over the previous 10 years. In order to attain specified profitability and other business objectives, an investment is, as we have previously indicated, the exposure of cash and other resources in the company. The acquisition of fixed assets is considered an investment in accounting. In the last ten years, software and scientific research have received the majority of investments. These effective initiatives have significantly increased profitability and productivity. For better or worse, the standard ROA and ROE ratios are not very effective in measuring these. Return on sales is a metric used to assess a business's overall operational effectiveness. It provides answers to a variety of queries, including: Is the production facility running efficiently? Are the administrative departments effectively carrying out their duties? The return on sales ratio should increase as the firm concentrates its product mix toward more high-value-added, higher-margin items.

## III. CONCLUSION

In conclusion, financial statement analysis is a critical step in assessing the performance, prospects, and health of a company's finances. To get insights into liquidity, profitability, solvency, and efficiency, it entails studying financial statements, using different ratios and benchmarks, and assessing patterns. Analysis of financial statements enables stakeholders to decide on investments wisely, determine their creditworthiness, and gauge their company's success. Stakeholders may uncover possibilities for development and progress, reduce risks, and make better-informed choices by properly assessing financial statements. Managers may also find their organization's strengths and weaknesses by using financial statement analysis. It offers perceptions into areas of operational inefficiency, regions of excessive expenses, and possibility for change. Managers may monitor key performance indicators, establish financial goals, and make wise choices to increase profitability and operational efficiency by using financial statement analysis.

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