



UNIVERSITI
TEKNOLOGI
MARA

INDUSTRIAL PROJECT REPORT MGT666



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SUBMISSION DATE: 24TH JULY 2023

EXECUTIVE SUMMARY



My memorable and enlightening 6-month industrial training began here at Celestica Malaysia Sdn. Bhd. This report provides an overview of the internship conducted at Celestica Malaysia's material costing and department from 27th February 2023 to 15th August 2023. The internship involved working closely with the team to understand and contribute to various initiatives and strategies. A big companies that multinational design, manufacturing, hardware platform, and supply chain electronics manufacturing services (EMS).

As an intern, I carried out a variety of roles such as help the team by providing assistance when uploading the supplier quotation file to Quoteapp. Work with the site teams to gather and deliver the material commitment to the clients in order to support bid projects. Assign the project's owner, and set up all the supplier information so that the participating suppliers can receive a quote. Bring up the project's cost analysis by transfer quotes, evaluate costs based on descriptions, and choose default costs. Keep track of the project's completion date and its development. . Attended many meetings where key individuals were strategizing about the company's short- and long-term perspective for its everyday operations and activities.

The goal of my internship is to evaluate the company's strengths, weaknesses, opportunities, and threats from a variety of perspectives, including the financial, political, economic, social, technological, environmental, and legal ones. During the internship, various activities were undertaken; including competitive analysis, learn a new software, team building, and problem solving. The internship at Celestica Malaysia provided an enriching experience, allowing for the application of theoretical knowledge in a practical setting. The exposure to various material costing, combined with the guidance and mentorship from experienced professionals, contributed significantly to personal and professional growth.

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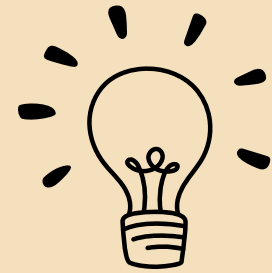
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COMPANY'S PROFILE

-  **Background of Establishment**
-  **Services Offered**
-  **Location**
-  **Specialization**
-  **Vision & Mission**



COMPANY PROFILE

BACKGROUND OF ESTABLISHMENT

Celestica Inc. is a Canadian multinational design, manufacturing, hardware platform, and supply chain electronics manufacturing services (EMS) company headquartered in Toronto, Ontario. The company operates in 50 sites across 15 countries. Celestica Malaysia Sdn. Bhd (CMY) provides business design services.

SERVICES OFFERED

The Company offers a wide range of services such as logistics, fulfilment, product data management, engineering, and supply chain services for enterprise, communications, consumer, aerospace and defense, industrial, alternative energy, and healthcare sectors. Celestica extends services throughout the world.

LOCATION

The location of Celestica Kulim is at Plot 15 & 16, Jalan HiTech 2/3, Kulim HiTech Park, 09000 Kulim, Kedah. There are four branch of Celestica in Malaysia. There are in Johor, Penang and Kulim

COMPANY PROFILE



SPECIALIZATION



As for Celestica's Kulim operation specializes in new product launch, system integration, box build, fulfillment and supply chain management. The site is a Center of Excellence for the aerospace market. The product and services that they offered are enterprise, industrial, semiconductor and healthcare, delivers high-speed high-volume manufacturing solutions, new product launch, system integration, box build, fulfillment and supply chain management and delivers end-to-end global business services and solutions.

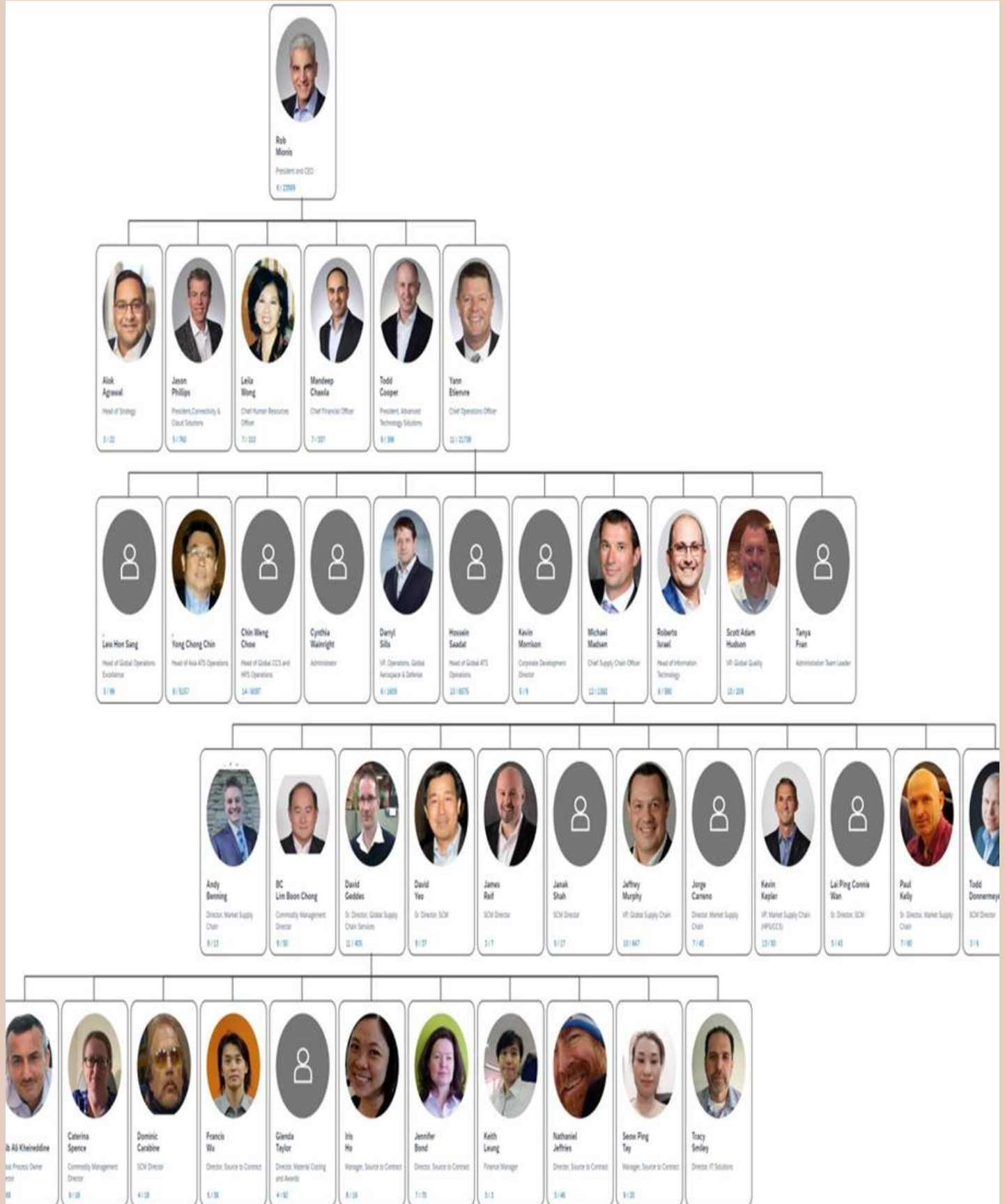
VISION AND MISSION

The vision of Celestica Kulim is Teamwork We understand, learn from and work with each other to realize a greater future. Ingenuity We set the standard for creativity, innovation and outcomes. Confidence We seek solutions and proudly stand behind our work. We are a trusted partner driven by accountability, integrity and respect.



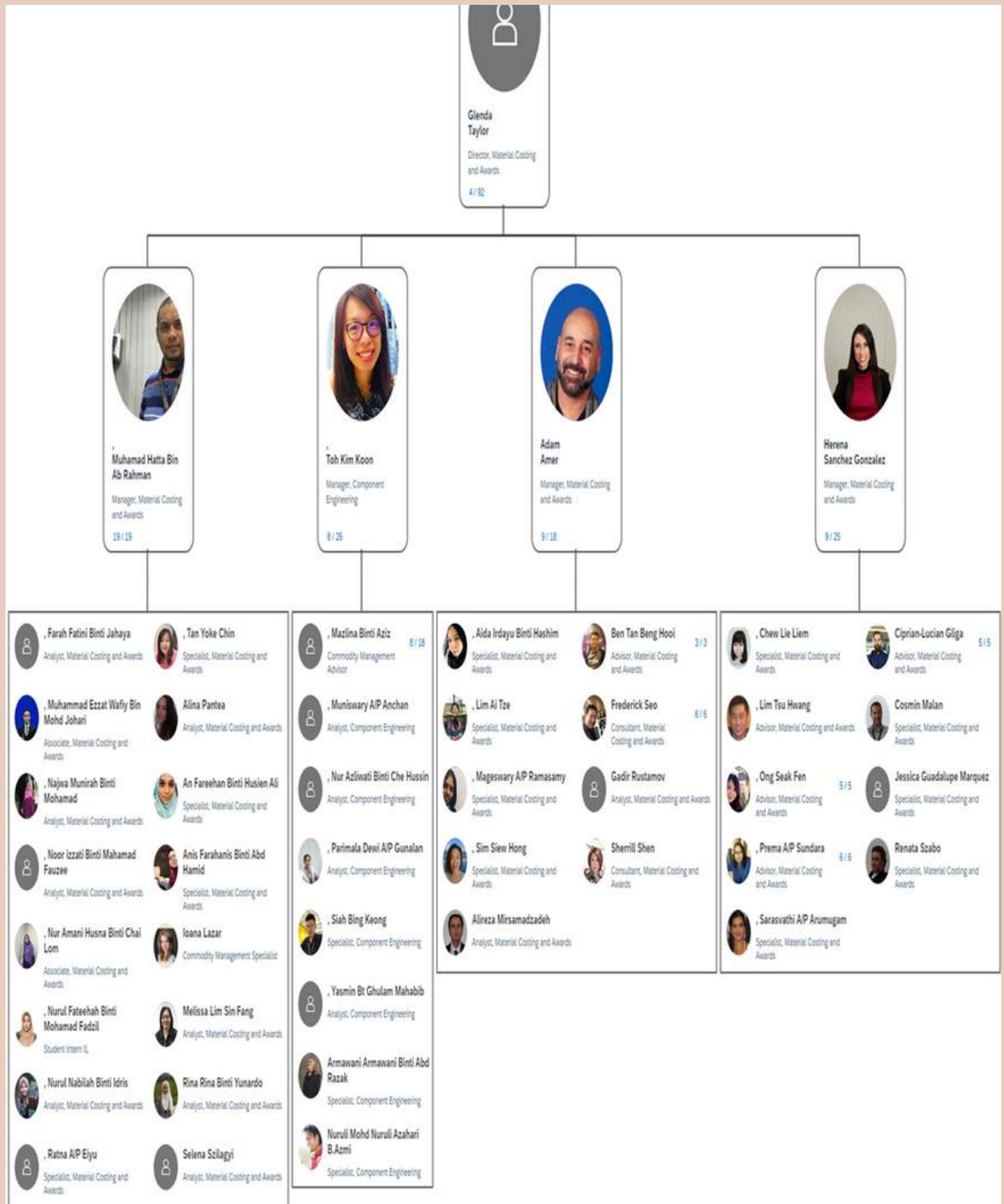
COMPANY PROFILE

GLOBAL ORGANIZATIONAL STRUCTURE



COMPANY PROFILE

KULIM'S GBS ORGANIZATIONAL STRUCTURE



COMPANY PROFILE

KULIM'S GBS ORGANIZATIONAL STRUCTURE



Muhamad Hatta Bin Ab Rahman

Manager, Material Costing and Awards

19 / 19



, Farah Fatini Binti Jahaya

Analyst, Material Costing and Awards



, Muhammad Ezzat Wafiy Bin Mohd Johari

Associate, Material Costing and Awards



, Najwa Munirah Binti Mohamad

Analyst, Material Costing and Awards



, Noor izzati Binti Mahamad Fauzee

Analyst, Material Costing and Awards



, Nur Amani Husna Binti Chai Lom

Associate, Material Costing and Awards



, Nurul Fateehah Binti Mohamad Fadzil

Student Intern IL



, Nurul Nabilah Binti Idris

Analyst, Material Costing and Awards



, Ratna A/P Eiyu

Specialist, Material Costing and Awards



, Tan Yoke Chin

Specialist, Material Costing Awards



Alina Pantea

Analyst, Material Costing and Awards



An Fareehan Binti Husna

Specialist, Material Costing Awards



Anis Farahanis Binti Azzam Hamid

Specialist, Material Costing Awards



Ioana Lazar

Commodity Management Specialist



Melissa Lim Sin Fang

Analyst, Material Costing and Awards



Rina Rina Binti Yunardi

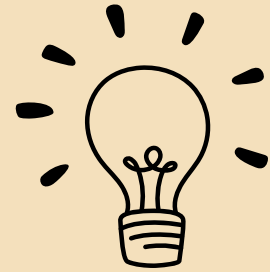
Analyst, Material Costing and Awards



Selena Szilagyi

Analyst, Material Costing and Awards

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TRAINING REFLECTION

My industrial training experience, from the get-go.

Duration

Specific date, working day and time

Details

**Department, roles, responsibilities,
assignment and tasks.**

Gains

**Intrinsic and extrinsic benefits
Allowance, compensation, experience,
knowledge, and skills.**

TRAINING REFLECTION



Training reflection is a reflection about students becoming aware of their own thinking processes, and being able to make those transparent to others. This facilitates understanding the reasons and methods behind their learning, leading to actionable insights. Reflection naturally emerges as a continuation of self or peer assessment.

The duration of internship is about 24 weeks. It is started from 27th February 2023 to 15 August 2023. The working mode is hybrid which is 3 days at office and 2 days work from home depends on situations. The working time is from 8.00 a.m to 5.30 p.m and normally our staff will go back early because we considered as flexi hours. Internship placement is under material costing and award department where it is under business administration.

The allowance is quite high which is RM1500 and Celestica also provide EPF for interns. For the people who are remote from Perlis to Kedah, it is more enough to live at here. Celestica also provide a laptop to make us easier to work from home.



TRAINING REFLECTION



Tasks under material costing and award department

- Support and assist team with uploading the supplier quotation file in Quoteapp
- Support bid projects by interacting with the site teams to compile and deliver the material commitment to the customers
- Assign owner of the project, setup all the supplier details to send the quotation to the supplier that involved
- Pull the resistor matrix macro file in the cost lookup
- Pull up the cost analysis of the project by transfer quotes, analyze cost based on description and select default costs
- Check all the details of the supplier quotation file in term of price, MOQ, Lead time, SPQ, currency and other parameters
- Attended weekly meetings where key individuals were strategizing about the company's short- and long-term perspective for its everyday operations and activities



TRAINING REFLECTION



Gains

The knowledge that I got based on technical skills is I learn new software which is Quoteapp, the software that allow us to bidding, sending quotation, pull cost analysis and so on. It is quite though to me since all of the processes need software but I managed to do it with my team guidance. Second, we always use email to communicate and engage with supplier and teams. From that, I managed to discovered more about the features of email that I don't know before. I also make an improvement in term of Microsoft Excel.

I have participated in various meetings involving keypersons in strategizing long-term and short-term outlook of the company's daily operations and activities. Our meeting always held every Wednesday.

Besides that, I also learn a real working place where I need to go to the office, meet someone new and others. It is quite challenging but I got a lot of experience and knowledge. The benefits that I get is friendly team that always helps me whatever I have some difficult to solve the problems. Other than that, I able to devise different strategies to solve issues and ensuring progress of a work.



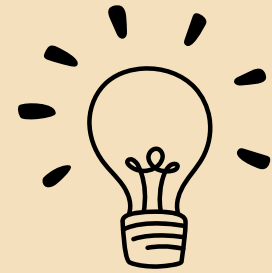
TRAINING REFLECTION



Gains

Apart from that, I also learn being a multitasking person. Enhanced more on punctuality and increase my confidence level to talk in front of people. During my internship, I improved my ability to interact with others and forge relationships. I learned how to introduce myself, talk about my interests, areas of expertise, and talents, as well as how to ask questions and gain a deeper understanding of employment. I learned that every company or organisation has a distinctive culture of its own. It's crucial to observe people to comprehend how they interact, participate, or support other staff members with tasks. I quickly learned that whenever anything is unclear to me or I don't understand it, asking for clarification is appropriate. I discovered that, despite the fact that receiving or giving feedback can be difficult, doing so will have a significant positive impact on your life and career going forward. Lastly, my internship has taught me to take initiative and make decisions independently. In the professional world, it is crucial to be able to execute tasks independently and autonomously.





COMPANY ANALYSIS



Definition



**Purpose of
company analysis**



**Important of
company analysis**



COMPANY ANALYSIS

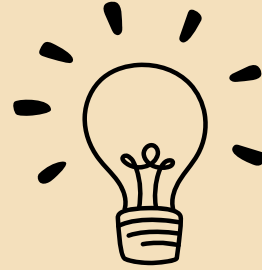


A firm's financial health, future prospects, management strategy, marketing initiatives, and strengths and weaknesses are all examined in a company analysis.

This typically enables the firm to better understand how a firm responds to dangers and opportunities from the outside world. It offers insight into the sources of industry revenue growth, the market shares of competitors, and, consequently, the future of top-line growth and bottom-line profitability for a certain company. The investor can choose the best stock to invest in and avoid the stocks that won't give them the profits they need by conducting analysis. Stakeholders can discover and comprehend the risks connected to collaborating with or investing in a specific firm by doing a company analysis. This entails assessing variables like debt levels, market volatility, rivalry, the legal and political climate, and operational hazards.

The important of company analysis is the investors can determine whether the firm is growing or not by conducting a fundamental analysis of the company. Other than that, Inefficiencies within a company's operations can be found and fixed by conducting an analysis. Process efficiency, reducing expenses, and performance enhancement are all possible with the support of company analysis.

Financial ratio analysis and SWOT analysis will be the methods for company analysis employed in this study.



FINANCIAL RATIO ANALYSIS



Definition



Purpose of financial ratio analysis



Important of company analysis



**Financial analysis of Celestica
Malaysia for the year 2020 to 2022**



FINANCIAL RATIO ANALYSIS



Ratio analysis is a quantitative method of acquiring insight into a company's liquidity, operational efficiency, and profitability by studying its financial statements such as the balance sheet and income statement.

Ratio analysis allows you to compare one firm to another within the same industry or sector and track how one company has changed over time. Ratio analysis can be used to examine changes over time at a corporation to better understand the course of operations. Second, ratio analysis can be used to compare results with those of other comparable organizations to see how well the business is performing in comparison to rivals.

Ratio analysis is important since it could provide a clearer overview of a company's operational state. Other than that, it is tools to help you better understand financial outcomes and trends over time as well as give important measures of organizational performance. Liquidity ratios, profitability ratios, leverage ratios, and efficiency ratios are a few examples of financial ratio kinds.

Trend analysis for the years 2020 to 2022 will be utilized to compute the company analysis.



FINANCIAL RATIO ANALYSIS



	2020	2021	2022
LIQUIDITY RATIO			
Current Ratio	1.7344x	1.5244x	1.4163x
Quick Ratio	1.0428x	0.7714x	0.6470x
Net Working Capital	\$1159m	\$1181.8m	\$1271.8m
LEVERAGE RATIO			
Debt Ratio	61.55%	68.65%	70.19%
Debt to Equity Ratio	160.05%	219.00%	235.46%
Times Interest Earned	3.0473x	4.2368x	3.5043x
ACTIVITY RATIO			
Average Collection Period	3 days	11 days	7 days
Inventory Turnover	53.4794x	8.5016x	10.1235x
Fixed Asset Turnover	121.7818x	18.9593x	364.3216x
Total Asset Turnover	55.5909x	5.6190x	7.5434x
PROFITABILITY RATIO			
Gross Profit Margin	7.61%	8.64%	8.78%
Operating Profit Margin	1.57%	2.41%	2.81%
Net Profit Margin	1.05%	1.84%	2.01%
Return on Asset	58.61%	10.36%	15.14%
Return on Equity	114.77%	192.41%	67.77%
MARKET RATIO			
Earning Per share	\$0.47	\$0.82	\$1.18
Market Price	\$8.07	\$11.13	\$11.27
Price Earnings Ratio	17.17%	13.57%	9.55%

FINANCIAL RATIO ANALYSIS



LIQUIDITY RATIO	2020	2021	2022
Current Ratio	1.7344x	1.5244x	1.4163x
Quick Ratio	1.0428x	0.7714x	0.6470x

Liquidity ratios are a type of financial indicator that assesses a debtor's capacity to repay existing debt commitments despite raising external cash. The liquidity performance of Celestica Malaysia can be assessed by calculating their current ratio and quick ratio.

The company's current ratio had decreased from 2020 to 2021, as well as 2022 as shown in the table which is 1.73x in 2020, 1.52x in 2021 and 1.42x in 2022 respectively. The reason of decreasing in liquidity is due to increasing in current asset. Current asset exceed the current liabilities. An inventory leads a higher amount that indicates the current asset rise. It shows the prove where inventories increase from 10.01% in 2020, 55% in 2021 and 28.50% in 2022 respectively. This show a huge impact in 2021 compare to 2020. In 2022, there are show a slightly decrease in inventories from 2021.

Other than that, quick ratio also shows a decreased from 1.04x in 2020 to 0.77x in 2021, slightly decrease to 0.65x in 2022. This can be shown due to increasing in inventories. Overall, liquidity of the company is still good because current ratio and quick ratio more than 1. The company still able to pay its short term obligations for these three cautious years.

FINANCIAL RATIO ANALYSIS



LIQUIDITY RATIO	2020	2021	2022
Net Working Capital	\$1159m	\$1181.8m	\$1271.8m

The net working capital of the company is increasing for the three years conservatively. It means the company has enough current assets to meet its current liabilities. The net working capital is increasing because there is an increase in current asset above the current liabilities which in 2020 the current asset is \$2737.20, \$3435.30 in 2021 and \$4327 in 2022 respectively. Thus, this makes the net working capital for three years to become positive.



FINANCIAL RATIO ANALYSIS



LEVERAGE RATIO	2020	2021	2022
Debt Ratio	61.55%	68.65%	70.19%
Debt to Equity Ratio	160.05%	219.00%	235.46%

Leverage ratios are a technique that determines how much a company relies on debt to buy assets and develop capital. It assists investors and creditors in determining a company's capacity to satisfy its financial obligations

Debt ratio of Celestica Malaysia shows an increment throughout three years. It can be shown by 61.55% in 2020, 68.65% in 2021 and 70.19% in 2022. The increment is due to increasing in account payable which indicates 44.92% in 2021, compared in 2020 which is and 16.35% in 2022. This indicates a continued rise in debt financing relative to total assets. It suggests a further accumulation of debt or a decrease in total assets. Thus, the company leverage quite bad because the percentage of debt ratio is more than 50%. The company relying too much on debt to maintains its operation. However, the company has more asset than debt that will make less risky.

The debt to equity ratio shows an rise over the three years. It can be shown by 160.05% in 2020, 219% in 2021 and 235.46% in 2022 respectively. Thus, it has a huge impact of percentage of debt to equity ratio. This is due to the total debt exceed the total equity. Thus, it will make the company is highly leveraged and risky investment.

FINANCIAL RATIO ANALYSIS



LEVERAGE RATIO	2020	2021	2022
Times Interest Earned	3.0473x	4.2368x	3.5043x

The times interest earned shows a significantly increased to 4.24x in 2021 as compared to 2020 which is 3.05%. For the year 2021, the company shows a good increment where the company has ability to pay the interest. There are slightly decreased in 2022 which is 3.50x from 4.24x in 2021. It is due to the increasing in interest expenses compared to year 2021 and year 2020. However, the company has enough ability to pay its interest due to higher earnings before income and taxes (EBIT). A better times interest earned means a company has enough cash after paying its debts to continue to invest in the business.



FINANCIAL RATIO ANALYSIS



ACTIVITY RATIO	2020	2021	2022
Inventory Turnover	53.4794x	8.5016x	10.1235x
Average Collection Period	3 days	11 days	7 days

The activity ratio is commonly used to assess how successfully a company's assets and liabilities are used internally. The activity ratio, with a few variants, displays expenses as a percentage of revenue which it is simply how much an organization or individual spends to make a dollar while the entities are expected to try to minimize activity ratios.

Inventory turnover shows a higher increment in 2020 which is 53.48x as compared to 2021 and 2022 which are 8.50x and 10.12x respectively. This is due to the decrease in cost of goods sold which indicates -3.51% compared to others years. However, there are significant drop from 2020 to 2021 which 53.48x to 8.50x in 2021 due to the higher cost of goods sold. In 2022, there are slightly increased which is 10.12x compared to 2021 that indicates they use inventory more to generate sales. Overall, the company efficient in managing inventory to make more sales.

Average collection period shows a good feedback throughout three year. There are an increment in 2020 to 2021 which is from 3 days to 11 days. This is due to the increasing in account receivable itself which indicate from 3.87% in 2020 to 15.26% in 2021. However, there are show a good improvement in 2022 where the account receivable decrease from 15.26% to 10.57%. Although it's not a huge decline, but it helps the company to collect its account receivables in 7days in 2022. This proves that the company collects the payments faster and the customers give cooperation to take less time to pays.

FINANCIAL RATIO ANALYSIS



ACTIVITY RATIO	2020	2021	2022
Fixed Asset Turnover	-121.7818x	18.9593x	364.3216x
Total Asset Turnover	55.5909x	5.6190x	7.5434x

Fixed asset turnover for the year 2020 show a decline where -121.78x compared to year 2021 which is 18.96x. The decline of fixed asset turnover in 2020 is due to the lower fixed asset compared to other years. It means that the company not fully utilizes the fixed asset to generate sales. The company sell the fixed asset itself tu generate capital gains. However, there is improvement in 2021 and in 2022 which is increase to 18.96x and 364.33x. This is due to the higher revenue compared to other years which indicate 28.67% as compared to -1.97% in 2021 and -2.38% in 2020 respectively. Thus, the company still efficient in managing fixed asset to generate sales as well.

The total asset turnover shows an efficiency in 2020 which is 55.59x compared to year 2021 is 5.62x and year 2022 is 7.54x. The increments in 2020 prove that the company efficient utilization of assets to generate sales. There was a significant decrease in total asset turnover from 55.59 times in 2020 to 5.62 times in 2021. This drop indicates a substantial decline in revenue generation relative to total assets. The company might be sell the fixed asset to cover up back the capital. There was an increase in total asset turnover from 5.62 times in 2021 to 7.54 times in 2022. This indicates that the company improved its revenue relative to its average total assets..

FINANCIAL RATIO ANALYSIS



PROFITABILITY RATIO	2020	2021	2022
Gross Profit Margin	7.61%	8.64%	8.78%
Operating Profit Margin	1.57%	2.41%	2.81%
Net Profit Margin	1.05%	1.84%	2.01%

Profitability ratios assess a company's capacity to utilize its assets and regulate its expenses in order to earn an acceptable rate of return. The ability of a firm to generate money in relation to sales, balance sheet assets, operating costs, and shareholders' equity over a specific time period is measured by profitability ratios, which are financial indicators used by analysts and investors.

Gross profit margin, operating profit margin and net profit margin shows a good increment over the three years. Gross profit margin shows an increment for the three years which are 7.61% in 2020, 8.64% in 2021 and 8.78% in 2022 respectively. It is shows a higher percentage in 2022 due to the higher revenue compared to 2020 and 2021. It can be shown the percentage of sales is 28.67% in 2022 rise compared to -1.97% in 2021 and -2.38% in 2020.

The result of operating profit margin can be shown by 1.57% in 2020, 2.41% in 2021 followed by 2.81% in 2022. Meanwhile, for net profit margin shows by 1.05% in 2020, 1.84% in 2021 and 2.01% in 2022 respectively. Even though there are higher expenses, their sales still can cover up the expenses as well. Overall, the company still able to generate profit to pay the expenses.

FINANCIAL RATIO ANALYSIS



PROFITABILITY RATIO	2020	2021	2022
Return on Asset	58.61%	10.36%	15.14%
Return on Equity	114.77%	192.41%	67.77%

Return on asset shows a decrease trend over the three year. Return on asset can be shown by 58.61% in 2020, 10.36% in 2021 and 15.14% in 2022 respectively. For the return on equity, it can be shown by 114.77% in 2020, 192.41% in 2021 followed by 67.77% in 2022. There are an increase from 2020 which is 114.77% to 192.41% in 2021 that due to increase in total equity. Even though it is show a decline, the return on asset and return on equity of the company is consider good because the percentage higher than 5%. It means that the company utilizes the asset and equity to generate more profit.



FINANCIAL RATIO ANALYSIS

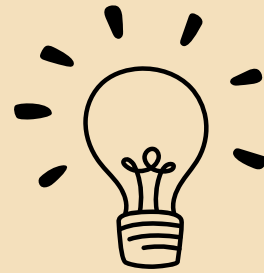


MARKET RATIO	2020	2021	2022
Earning per Share	\$0.47	\$0.82	\$1.18
Market Price	\$8.07	\$11.13	\$11.27
Price Earning Ratio	17.17%	13.57%	9.55%

Market ratio used to compare certain financial parameters to the stock or market value of a company. These ratios enable analysts and investors in determining how the market views the company's future and valuation in relation to its financial results.


Earnings per share (EPS) of the company are increase from \$0.47 in 2020, \$0.82 in 2021 to \$1.18 in 2022. It shows that the company is growing and stock price increases. The shareholders earn more dividend for the year 2022 compared to year 2020 and year 2021. Price earnings ratio shows a decline from 17.17% in 2020, 13.57% in 2021 to 9.55% in 2022. The price earnings ratio of the company is considered as not good because the market price higher than earning per share.






SWOT ANALYSIS

 **Definition**

 **Purpose of SWOT analysis**

 **Important of SWOT analysis**

 **SWOT analysis of Celestica
Malaysia**



SWOT ANALYSIS



SWOT analysis refers to the study of an organization's strengths, weaknesses, and potential opportunities and external as well as internal threats. It is done in order to succeed and address current issues.

Internal elements are the organization's strength and weakness in this case. The purpose of SWOT analysis are to guides the company to build on what to do well, address what the company's lacking, seize new openings, and minimize risks and help the firm create or update their business plan. Other than that, SWOT analysis also leads to better use of resources. The company can decide how to spend on the resources effectively by analyzing the company's strengths. A SWOT analysis improves business operations. In order for the business to be better prepared to compete in the market, this process will identify the most vulnerable areas that need improvement. When making a complex decision, there may be an overwhelming quantity of information to sift through and pertinent factors to take into account.

Almost any company question may be answered with a SWOT analysis. The analysis may be applicable to a group, team, or person. Opportunities and threats to the organization are external forces. Strengths must be increased, weaknesses must be reduced, opportunities must be created, and threats have to decline if Celestica Kulim is to perform better in the market now and in the future. All company does its SWOT analysis for their improvement in any time.

Celestica Kulim's SWOT analysis is presented below with discussion.



STRENGTHS

SWOT ANALYSIS



Strong brand recognition

In the Electronic Instr. & Controls sector, Celestica Inc. products are well-known. Due to this, the business is now able to charge more than its rivals in the electronic instrument and controls sector. Celestica is well-known and trusted within its target market and industry. Customers, suppliers, and partners are more likely to have confidence in the company's capabilities, reliability, and commitment to quality.

Good in managing asset

Celestica excellent in practice of accumulating, preserving, and exchanging investments and assets that have the potential to increase in value over time. This helps in identifying underutilized assets and taking appropriate actions to improve efficiency and reduce idle time. Celestica has sufficient liquidity to meet its operational needs and invest in growth opportunities.

Good Returns on Capital Expenditure

Celestica Inc. has an excellent track record of completing new projects successfully, and by creating new revenue sources, it has achieved good returns on investment. Celestica good in support sales activities by understanding your customers' businesses better.

Strong team building

Each department at Celestica has an effective team. Team members encouraged to share ideas, feedback, and concerns openly, leading to better problem-solving and decision-making processes. Meetings, updates, and feedback sessions with the team on a regular basis improve communication and make sure everyone is on the same page with the company's goals.

WEAKNESSES

SWOT ANALYSIS



Limited of office equipment

During my internship journey, there are limited space where we don't have a proper office for our department. We have to share with our department as well. Other than that, not enough equipment such as office table and so on. Our working mode turn to be hybrid. There is an impact on employee morale which must not be overlooked. It is really upsetting when workers are striving to do their duties with pride and determination but are limited by a lack of tools.

Higher leverage position

Based on financial analysis, they tend to have a highly leveraged. This is due to the total debts that increase year by year. Thus, the company will face high risk to pay its debt. Due to the huge debt Celestica has accumulated to fund operations, expansion, and acquisitions, it may find it difficult to make payments on that debt, particularly if sales and cash flow are negatively affected. High interest costs can reduce a company's profitability and restrict its ability to invest in potential future growth.

High operating costs

A new, more flexible supply chain network needs to be built by Celestica Inc. since the importance of the dealer network is declining and because the Internet and artificial intelligence have drastically changed the business model in the technology industry. That might be very pricey. Given the quick competitors that are leveraging technology to entice Celestica Inc.'s valuable customers, this may be more difficult to maintain.

Low expenditure on research & development

The Celestica corporation barely invests 3% of its sales, despite a 12.9% increase. A low investment rate that impacts progress is demonstrated in the above scenario. The company may struggle to develop new products, technologies, or processes, limiting its ability to stay competitive in a rapidly evolving market.

OPPORTUNITIES

SWOT ANALYSIS



Industry exposure

The company works with clients in a variety of sectors, including technology, aerospace, defence, medicine, and the automobile industry. Exposure to innovative products and technologies in various sectors can be obtained at Celestica.

Opportunities in Online Space

Increasing adoption of online services by customers will also enable Celestica Inc. to provide new offerings to the customers in Electronic Instr. & Controls industry. Customers can offer their services globally, while businesses can access a broader talent pool without geographic constraints.

Development of new markets

The company's large variety of markets is widened by the diversified range of products it offers, such as communication. The opportunity for higher sales and income generation exists in new markets. The company can increase demand for its goods and services by diversifying its market reach and gaining access to fresh client demands and preferences.

Using data analytics to gain a competitive edge

Machine learning and analytics have been heavily incorporated into Celestica Inc.'s regular business practises. Due to its ongoing analytics investment, Celestica Inc. has been able to gain a competitive advantage. Celestica Inc. can produce more precise consumer data, helpful product features, and a more efficient supply chain using the competitive edge provided by analytics.

THREATS

SWOT ANALYSIS



Commoditization of the product segment

The technology industry's products are becoming more and more commoditized, which poses the biggest challenge to Celestica Inc. and other competitors.

Competitors catching up with the product development

Even though it is not currently the market leader in the Electronic Instr. & Controls area, Celestica Inc. It is up against tough competition from both domestic and foreign rivals.

Economic condition

The condition of the global economy has an impact on Celestica's financial performance. Political instability or economic downturns may affect the demand to its services.


Exposure to currency fluctuation

It is challenging to track Celestica's fluctuations because the company is spread throughout several nations, including Canada, Malaysia, and the United States.





DISCUSSION & **RECOMMENDATION**

-  Recommendations for the issues/problems based on financial ratios and SWOT analysis conducted



DISCUSSION & RECOMMENDATION



The company has its own advantages and weaknesses, we may infer from this analysis. We are also able to evaluate their financial performance, spot potential areas for development, and come to wise conclusions on how to move forward and succeed in their sector. We recognize that there is still opportunity for development in the area of sustainability. It has shown to be extremely difficult, especially with the COVID-19 pandemic risk. Based on the analysis, it is clear that Celestica Malaysia has to improve the company's performance because its sales are not in the highest level.

Sufficient equipment to employees

The recommendation that Celestica can improvise is provide an enough space of office for all departments. Other than that, Celestica also need to separate the entire department and have their own office. It is to make sure that they can know more about their members and to ensure there are no misunderstandings between departments. Having a comfortable office and enough equipment will increase their motivation to come to work. Other than that, the company need provide a suitable place or room for trainees so that they can have a place to do reports and communicate with other trainees for more knowledge.

Utilize more on equity

Noticed that Celestica has higher leverage which it will affect the company. The company need to take action by utilize more on equity. Utilized more on equity will get a higher investment. By issuing new common stock or preferred stock, Celestica can raise capital by selling shares of its ownership. The business can minimize its total financial risk by lowering its debt levels and relying more on equity. Cash flow problems might result from having too much debt.

DISCUSSION & RECOMMENDATION



Evaluate debt sustainability

Determine the company's capacity to pay out its debt. Analyze its profitability and cash flow output. An organization's capacity to manage and repay debt is better indicated by good cash flow.

Analyze cash flow and earnings

Celestica must evaluate the cash flow and earnings of the business to figure out whether it generates sufficient operating cash flow to meet its debt service obligations. A constant positive cash flow and strong profitability may be a sign of better debt management

Invest in training and development

Celestica should provide current employees the chance to grow their skills and capacities through training programs and initiatives. This may consist of internal workshops, outside training sessions, online learning resources, or mentoring schemes. By doing this, its can reskill or upskill the present staff to acquire the necessary train sets by investing in them.

Utilize technology and automation

Celestica need to look into technological advancements and methods for automation that can assist reduce the demand for specific specialized resources. The company can improve procedures, boost productivity, and minimize the demand on specialized skill sets by automating repetitive work or making use of advanced technology.



DISCUSSION & RECOMMENDATION



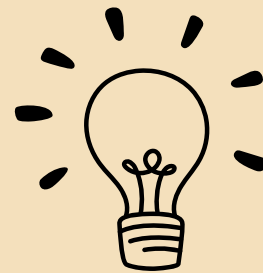
Hedging strategies

Other recommendation that Celestica can improvise is using hedging strategies. Celestica has to put hedging methods into action to minimize the effects of currency volatility. Utilizing securities like forward contracts, futures, options, or currency swaps to fix exchange rates for upcoming transactions is known as hedging. These tactics can protect against unexpected currency changes and assist stabilize cash flows.

Diversification

Apart from that, Celestica also can do a Diversification. By having a portfolio of different currencies, Celestica can diversify the exposure to foreign currency. This may reduce the effects of currency changes in a specific country.





CONCLUSIONS

♥ Summarize the essence of the report



CONCLUSIONS



To sum up, there are a lot of new things that I learned and go through along this internship. I have gained a massive of knowledge, skill and exposure during my internship here in Celestica Malaysia. The important is I got a best team ever for the first internship and so glad to have them. I gain valuable exposure to how a company that I do intern runs, take part in meetings and perform assigned tasks in a real-world setting. Besides that, this training session also teaches me on how to be responsible in conducting tasks and also being independent to learn new things. Internship also creates a professional network. Meeting other professionals in our field and getting their recommendations for open openings is typically the key to the most successful job hunt. The employment network can be expanded through internships. Showing interest, excitement, and readiness can help professional contacts recognize your potential. The professionals you will meet may be the most valuable connection to your future employment.

The beginning of creating a professional network that may be a resource is what I learn during my internship. A network can connect me with other professionals and opportunities that can help me succeed in a field and will assist me in making well-informed decisions regarding my career. As time goes on, I gain a lot of software and career-enhancing abilities that enable me to be determined about my vision.

My genuine goal is to become a diligent individual who can guide me forward. I will find a better position as a financial executive at any company during the next five years. I want to get better at communicating and using technical skills. Increase my social interaction to learn more and experience more. In addition, make sure I live a better life so my parents can be proud of me.

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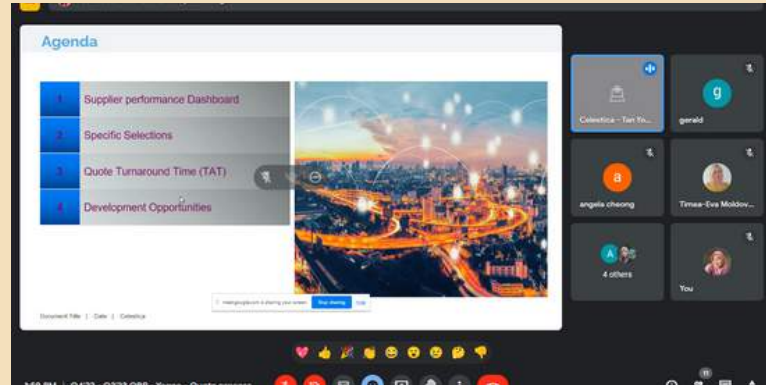
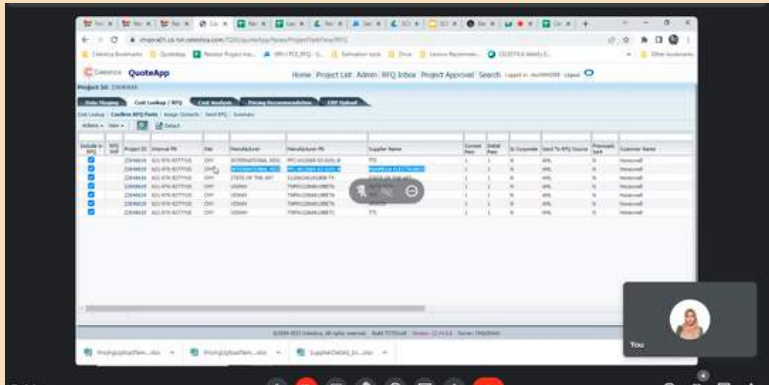
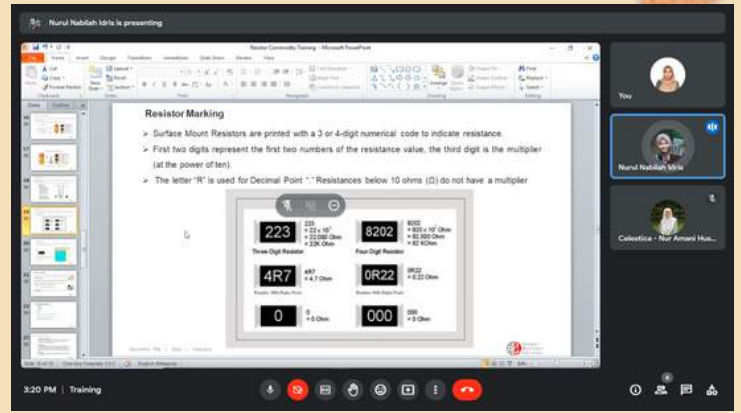
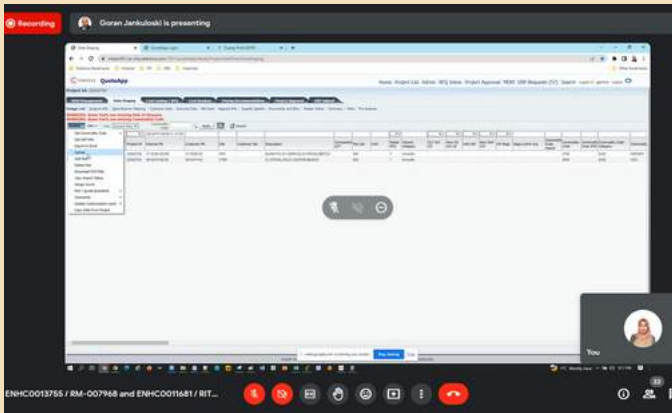
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APPENDICES

TRAINING SESSION



MEET & GREET WITH DIRECTOR OF MATERIAL COSTING



APPENDICES



ANNUAL DINNER



WELLNESS DAY



APPENDICES



LUNCH WITH DIRECTOR AND TEAM



APPENDICES

2022

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CELESTICA INC.
CONSOLIDATED BALANCE SHEETS
(in millions of U.S. dollars)



	Note	December 31 2021	December 31 2022
Assets			
Current assets:			
Cash and cash equivalents.....	20	\$ 394.0	\$ 374.5
Accounts receivable	4	1,260.3	1,393.5
Inventories.....	5 & 26	1,697.0	2,350.3
Income taxes receivable		8.6	5.9
Other current assets	26	75.4	202.8
Total current assets		<u>3,435.3</u>	<u>4,327.0</u>
Property, plant and equipment.....	6	338.7	371.5
Right-of-use assets	7	113.8	138.8
Goodwill	8	324.2	321.8
Intangible assets	8	382.0	346.5
Deferred income taxes.....	19	47.7	68.9
Other non-current assets.....	9	25.2	53.5
Total assets		<u>\$ 4,666.9</u>	<u>\$ 5,628.0</u>
Liabilities and Equity			
Current liabilities:			
Current portion of borrowings under credit facility & lease obligations	11	\$ 51.5	\$ 52.2
Accounts payable		1,238.3	1,440.8
Accrued and other current liabilities		884.3	1,462.2
Income taxes payable	19	62.3	82.1
Current portion of provisions	10	17.1	17.9
Total current liabilities.....		<u>2,253.5</u>	<u>3,055.2</u>
Long-term portion of borrowings under credit facility & lease obligations	11	742.9	733.9
Pension and non-pension post-employment benefit obligations.....	18	107.5	77.0
Provisions and other non-current liabilities.....	10	39.8	32.5
Deferred income taxes.....	19	60.2	51.7
Total liabilities.....		<u>3,203.9</u>	<u>3,950.3</u>
Equity:			
Capital stock.....	12	1,764.5	1,714.9
Treasury stock	12	(48.9)	(18.5)
Contributed surplus		1,029.8	1,063.6
Deficit		(1,255.6)	(1,076.6)
Accumulated other comprehensive loss	13	(26.8)	(5.7)
Total equity		<u>1,463.0</u>	<u>1,677.7</u>
Total liabilities and equity		<u>\$ 4,666.9</u>	<u>\$ 5,628.0</u>

Commitments, contingencies and guarantees (note 24), Subsequent event (note 4)

Signed on behalf of the Board of Directors

[Signed] Michael M. Wilson, Director

[Signed] Laurette T. Koellner, Director

The accompanying notes are an integral part of these consolidated financial statements.

APPENDICES

2022



CELESTICA INC.
CONSOLIDATED STATEMENT OF OPERATIONS
(in millions of U.S. dollars, except per share amounts)

	Note	Year ended December 31		
		2020	2021	2022
Revenue.....		\$ 5,748.1	\$ 5,634.7	\$ 7,250.0
Cost of sales.....	5 & 14	5,310.5	5,147.7	6,613.7
Gross profit.....		437.6	487.0	636.3
Selling, general and administrative expenses (SG&A).....	14	230.7	245.1	279.9
Research and development.....		29.9	38.4	46.3
Amortization of intangible assets.....	8	25.6	25.5	40.1
Other charges, net of recoveries.....	15	23.5	10.3	6.7
Earnings from operations.....		127.9	167.7	263.3
Finance costs.....	16	37.7	31.7	59.7
Earnings before income taxes.....		90.2	136.0	203.6
Income tax expense (recovery).....	19			
Current.....		32.9	40.9	88.7
Deferred.....		(3.3)	(8.8)	(30.6)
		29.6	32.1	58.1
Net earnings.....		<u>\$ 60.6</u>	<u>\$ 103.9</u>	<u>\$ 145.5</u>
Basic earnings per share.....		\$ 0.47	\$ 0.82	\$ 1.18
Diluted earnings per share.....		\$ 0.47	\$ 0.82	\$ 1.18
Shares used in computing per share amounts (in millions):				
Basic.....	22	129.1	126.7	123.5
Diluted.....	22	129.1	126.7	123.6

The accompanying notes are an integral part of these consolidated financial statements.

APPENDICES

2021



CELESTICA INC.
CONSOLIDATED BALANCE SHEETS
(in millions of U.S. dollars)

	Note	December 31 2020	December 31 2021
Assets			
Current assets:			
Cash and cash equivalents	20	\$ 463.8	\$ 394.0
Accounts receivable	4	1,093.4	1,260.3
Inventories	5	1,091.5	1,697.0
Income taxes receivable		6.8	8.6
Other current assets		81.7	75.4
Total current assets		<u>2,737.2</u>	<u>3,435.3</u>
Property, plant and equipment	6	332.5	338.7
Right-of-use assets	7	101.0	113.8
Goodwill	8	198.6	324.2
Intangible assets	8	229.4	382.0
Deferred income taxes	19	39.9	47.7
Other non-current assets	9	25.5	25.2
Total assets		<u>\$ 3,664.1</u>	<u>\$ 4,666.9</u>
Liabilities and Equity			
Current liabilities:			
Current portion of borrowings under credit facility & lease obligations	11	\$ 99.8	\$ 51.5
Accounts payable		854.5	1,238.3
Accrued and other current liabilities		553.1	884.3
Income taxes payable	19	51.8	62.3
Current portion of provisions	10	19.0	17.1
Total current liabilities		<u>1,578.2</u>	<u>2,253.5</u>
Long-term portion of borrowings under credit facility & lease obligations	11	486.1	742.9
Pension and non-pension post-employment benefit obligations	18	117.3	107.5
Provisions and other non-current liabilities	10	41.2	39.8
Deferred income taxes	19	32.3	60.2
Total liabilities		<u>2,255.1</u>	<u>3,203.9</u>
Equity:			
Capital stock	12	1,834.2	1,764.5
Treasury stock	12	(15.7)	(48.9)
Contributed surplus		974.5	1,029.8
Deficit		(1,368.8)	(1,255.6)
Accumulated other comprehensive loss	13	(15.2)	(26.8)
Total equity		<u>1,409.0</u>	<u>1,463.0</u>
Total liabilities and equity		<u>\$ 3,664.1</u>	<u>\$ 4,666.9</u>

Commitments, contingencies and guarantees (note 24), Subsequent events (notes 4 and 20)

Signed on behalf of the Board of Directors

[Signed] Michael M. Wilson, Director

[Signed] Laurette T. Koellner, Director

The accompanying notes are an integral part of these consolidated financial statements.

APPENDICES

2021



CELESTICA INC.
CONSOLIDATED STATEMENT OF OPERATIONS
(in millions of U.S. dollars, except per share amounts)

	Note	Year ended December 31		
		2019	2020	2021
Revenue		\$ 5,888.3	\$ 5,748.1	\$ 5,634.7
Cost of sales	5 & 14	5,503.6	5,310.5	5,147.7
Gross profit		384.7	437.6	487.0
Selling, general and administrative expenses (SG&A)	14	227.3	230.7	245.1
Research and development		28.4	29.9	38.4
Amortization of intangible assets	8	29.6	25.6	25.5
Other charges (recoveries)	15	(49.9)	23.5	10.3
Earnings from operations		149.3	127.9	167.7
Finance costs	16	49.5	37.7	31.7
Earnings before income taxes		99.8	90.2	136.0
Income tax expense (recovery)	19			
Current		22.8	32.9	40.9
Deferred		6.7	(3.3)	(8.8)
		29.5	29.6	32.1
Net earnings		<u>\$ 70.3</u>	<u>\$ 60.6</u>	<u>\$ 103.9</u>
Basic earnings per share		\$ 0.54	\$ 0.47	\$ 0.82
Diluted earnings per share		\$ 0.53	\$ 0.47	\$ 0.82
Shares used in computing per share amounts (in millions):				
Basic	22	131.0	129.1	126.7
Diluted	22	131.8	129.1	126.7

The accompanying notes are an integral part of these consolidated financial statements.

APPENDICES

2020



CELESTICA INC.
CONSOLIDATED BALANCE SHEETS
(in millions of U.S. dollars)

	Note	December 31 2019	December 31 2020
Assets			
Current assets:			
Cash and cash equivalents	21	\$ 479.5	\$ 463.8
Accounts receivable	4	1,052.7	1,093.4
Inventories	5	992.2	1,091.5
Income taxes receivable		7.7	6.8
Assets classified as held for sale	6	0.7	—
Other current assets		59.2	81.7
Total current assets		2,592.0	2,737.2
Property, plant and equipment	7	355.0	332.5
Right-of-use assets	8	104.1	101.0
Goodwill	9	198.3	198.6
Intangible assets	9	251.3	229.4
Deferred income taxes	20	33.6	39.9
Other non-current assets	10	26.4	25.5
Total assets		\$ 3,560.7	\$ 3,664.1
Liabilities and Equity			
Current liabilities:			
Current portion of borrowings under credit facility & lease obligations	12	\$ 139.6	\$ 99.8
Accounts payable		898.0	854.5
Accrued and other current liabilities		370.9	553.1
Income taxes payable	20	46.7	51.8
Current portion of provisions	11	26.1	19.0
Total current liabilities		1,481.3	1,578.2
Long-term portion of borrowings under credit facility & lease obligations	12	559.1	486.1
Pension and non-pension post-employment benefit obligations	19	107.1	117.3
Provisions and other non-current liabilities	11	28.6	41.2
Deferred income taxes	20	28.4	32.3
Total liabilities		2,204.5	2,255.1
Equity:			
Capital stock	13	1,832.1	1,834.2
Treasury stock	13	(14.8)	(15.7)
Contributed surplus		982.6	974.5
Deficit		(1,420.1)	(1,368.8)
Accumulated other comprehensive loss	14	(23.6)	(15.2)
Total equity		1,356.2	1,409.0
Total liabilities and equity		\$ 3,560.7	\$ 3,664.1

Commitments, contingencies and guarantees (note 25), Subsequent event (note 4)

Signed on behalf of the Board of Directors

[Signed] Michael M. Wilson, Director

[Signed] Laurette T. Koellner, Director

The accompanying notes are an integral part of these consolidated financial statements.

APPENDICES

2020



CELESTICA INC.
CONSOLIDATED STATEMENT OF OPERATIONS
(in millions of U.S. dollars, except per share amounts)

	Note	Year ended December 31		
		2018	2019	2020
Revenue		\$ 6,633.2	\$ 5,888.3	\$ 5,748.1
Cost of sales	5 & 15	6,202.7	5,503.6	5,310.5
Gross profit		430.5	384.7	437.6
Selling, general and administrative expenses (SG&A)	15	219.0	227.3	230.7
Research and development		28.8	28.4	29.9
Amortization of intangible assets	9	15.4	29.6	25.6
Other charges (recoveries)	16	61.0	(49.9)	23.5
Earnings from operations		106.3	149.3	127.9
Finance costs	17	24.4	49.5	37.7
Earnings before income taxes		81.9	99.8	90.2
Income tax expense (recovery)	20			
Current		39.7	22.8	32.9
Deferred		(56.7)	6.7	(3.3)
		(17.0)	29.5	29.6
Net earnings		\$ 98.9	\$ 70.3	\$ 60.6
Basic earnings per share		\$ 0.71	\$ 0.54	\$ 0.47
Diluted earnings per share		\$ 0.70	\$ 0.53	\$ 0.47
Shares used in computing per share amounts (in millions):				
Basic	23	139.4	131.0	129.1
Diluted	23	140.6	131.8	129.1

The accompanying notes are an integral part of these consolidated financial statements.

APPENDICES

CALCULATIONS OF FINANCIAL RATIO



	2020	2021	2022
LIQUIDITY RATIO			
Current Ratio	$2737.2/1578.2$ = 1.7344	$3,435.3/2,253.5$ = 1.5244	$4,327.0/3,055.2$ = 1.4163
Quick Ratio	$(2737.2 - 1091.5)/1578.2$ = 1.0428	$(3,435.3 - 1,697.0)/2,253.5$ = 0.7714	$(4,327.0 - 2,350.3)/3,055.2$ = 0.6470
Net Working Capital	$2737.2 - 1578.2$ = \$1159	$3,435.3 - 2,253.5$ = 1181.8	$4,327.0 - 3,055.2$ = 1271.8

	2020	2021	2022
LEVERAGE RATIO			
Debt Ratio	$2255.1/3664.1$ = 0.6155	$3,203.9/4,666.9$ = 0.6865	$3,950.3/5,628.0$ = 0.7019
Debt to Equity Ratio	$2255.1/1409$ = 1.6005	$3,203.9/1,463.0$ = 2.1900	$3,950.3/1,677.7$ = 2.3546
Times Interest Earned	$90.2/29.6$ = 3.0473	$136.0/32.1$ = 4.2368	$203.6/58.1$ = 3.5043



APPENDICES

CALCULATIONS OF FINANCIAL RATIO



	2020	2021	2022
ACTIVITY RATIO			
Average Collection Period	$= (1,093.4 - 1,052.7)/5,748.1 \times 365$ $= 3 \text{ days}$	$= (1,260.3 - 1,093.4)/5,634.7 \times 365$ $= 11 \text{ days}$	$1,393.5 - 1,260.3/7,250.0 \times 365$ $= 7 \text{ days}$
Inventory Turnover	$5,310.5/(1,091.5 - 992.2)$ $= 53.4794$	$5,147.7/(1,697.0 - 1,091.5)$ $= 8.5016$	$6,613.7/2,350.3 - 1,697.0$ $= 10.1235x$
Fixed Asset Turnover	$5,748.1/(861.5 - 908.7)$ $= -121.7818$	$5,634.7/(1158.7 - 861.5)$ $= 18.9593$	$7,250.0/1178.6 - 1158.7$ $= 364.3216$
Total Asset Turnover	$5,748.1/3,664.1 - 3,560.7$ $= 55.5909$	$5,634.7/4,666.9 - 3,664.1$ $= 5.6190$	$7,250.0/5,628.0 - 4,666.9$ $= 7.5434$



APPENDICES



CALCULATIONS OF FINANCIAL RATIO

	2020	2021	2022
PROFITABILITY RATIO			
Gross Profit Margin	$437.6/5,748.1$ = 0.0761	$487.0/5,634.7$ = 0.0864	$636.3/7,250.0$ = 0.0878
Operating Profit Margin	$90.2/5,748.1$ = 0.0157	$136.0/5,634.7$ = 0.0241	$203.6/7,250.0$ = 0.0281
Net Profit Margin	$60.6/5,748.1$ = 0.0105	$103.9/5,634.7$ = 0.0184	$145.5/7,250.0$ = 0.0201
Return on Asset	$60.6/(3,664.1-3,560.7)$ = 0.5861	$103.9/4,666.9-3,664.1$ = 0.1036	$145.5/5,628.0-4,666.9$ = 0.1514
Return on Equity	$60.6/(1,409.0-1,356.2)$ = 1.1477	$103.9/1,463.0-1,409.0$ = 1.9241	$145.5/1,677.7-1,463.0$ = 0.6777

	2020	2021	2022
MARKET RATIO			
Earning Per share	\$0.47	\$0.82	\$1.18
Market Price	\$8.07	\$11.13	\$11.27
Price Earnings Ratio	$8.07/0.47$ = 17.17	$11.13/0.82$ = 13.57	$11.27/1.18$ = 9.55

Document Information

Analyzed document	INDUSTRIAL PROJECT REPORT_NURUL FATEEHAH BINTI MOHAMAD FADZIL.pdf (D172344772)
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Sources included in the report

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W	URL: https://finance.yahoo.com/news/celestica-ranked-among-canada-best-120000900.html Celestica Fetched: 2023-07-24 10:06:00	 2

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INDUSTRIAL PROJECT REPORT MGT666 NAME: NURUL FATEEHAH BINTI MOHAMAD FADZIL MATRIX NO: 2021190037 CLASS: RBA2426B ADVISOR NAME: PUAN NOOR HAFIZHA BINTI MUHAMAD YUSUF SUBMISSION DATE: 24TH JULY 2023

EXECUTIVE SUMMARY My memorable and enlightening 6-month industrial training began here at Celestica Malaysia Sdn. Bhd. This report provides an overview of the internship conducted at Celestica Malaysia's material costing and department from 27th February 2023 to 15th August 2023. The internship involved working closely with the team to understand and contribute to various initiatives and strategies. A big companies that multinational design, manufacturing, hardware platform, and supply chain electronics manufacturing services (EMS). As an intern, I carried out a variety of roles such as help the team by providing assistance when uploading the supplier quotation file to Quoteapp. Work with the site teams to gather and deliver the material commitment to the clients in order to support bid projects. Assign the project's owner, and set up all the supplier information so that the participating suppliers can receive a quote. Bring up the project's cost analysis by transfer quotes, evaluate costs based on descriptions, and choose default costs. Keep track of the project's completion date and its development. . Attended many meetings where key individuals were strategizing about the company's short- and long-term perspective for its everyday operations and activities. The goal of my internship is to evaluate the company's strengths, weaknesses, opportunities, and threats from a variety of perspectives, including the financial, political, economic, social, technological, environmental, and legal ones. During the internship, various activities were undertaken; including competitive analysis, learn a new software, team building, and problem solving. The internship at Celestica Malaysia provided an enriching experience, allowing for the application of theoretical knowledge in a practical setting. The exposure to various material costing, combined with the guidance and mentorship from experienced professionals, contributed significantly to personal and professional growth. 1