

Internship Report On
“Inventory Management System of Apex Footwear Ltd.”

By

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An internship report submitted to the BRAC Business School in partial fulfillment of the requirements for the degree of Masters of Business Administration

Masters of Business Administration
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Declaration

It is hereby declared that

1. The internship report submitted is my/our own original work while completing degree at Brac University.
2. The report does not contain material previously published or written by a third party, except where this is appropriately cited through full and accurate referencing.
3. The report does not contain material which has been accepted, or submitted, for any other degree or diploma at a university or other institution.
4. I have acknowledged all main sources of help.

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Letter of Transmittal

12th June 2023

Dr.Najmul Hasan

Assistant Professor, Information Systems

BRAC Business School

66 Mohakhali, Dhaka-1212

Subject: Submission of Internship Report.

Dear Sir,

With all due respect, I would like to notify you that my internship report has been done. This report includes all of my research findings and expertise during my internship at Apex Footwear Limited Bangladesh. "Inventory Management System of Apex Footwear Ltd." is the report's topic. I would want to thank Golam Rabbi Neshat, who functioned as my internship's reporting boss and supervisor, for helping me complete my report. I was involved in the day-to-day operations of the product management department, which helped me obtain corporate experience.

I would want to thank you for your assistance and leadership throughout the completion of BUS629 (Internship). I have given it my all, and there's no doubting that this experience has increased my understanding in a variety of ways. If you have any questions about my findings, I would be pleased to answer them. As a result, I'm hoping you'll take the report with a grain of salt.

Sincerely

Md. Mahabub Rahman Maruf (20264024)

MBA Program, BRAC Business School,

BRAC University

Non-Disclosure Agreement

The agreement was signed between Apex Footwear Limited and Md. Mahabub Rahman Maruf, a student of BRAC University.

Acknowledgement

Dr. Nazmul Hasan Sir, your guidance as my university supervisor is helpful. Your advice and understanding assisted me in navigating the hurdles of my internship and developing new abilities. Your opinions and recommendations have been invaluable in assisting me in achieving my objectives, and I am thankful for your consistent support.

I wish to thank the All-Powerful Allah first and foremost for this information. To Golam Rabbi Neshat Bhaiya and Dr. Najmul Hasan Sir, I would like to express my sincere gratitude for giving me the opportunity to complete my internship at Apex Footwear Ltd. I appreciate your guidance and assistance throughout the process; it has been a wonderful learning experience.

Golam Rabbi Neshat Bhaiya, as my supervisor at Apex footwear ltd, I cannot thank you enough for your faith in me and the opportunity you provided me throughout my internship. Your instruction and assistance enabled me to work on difficult assignments and gain vital experience. Your criticism and ideas have helped me enhance my abilities, and now I feel much more confident as a consequence.

I would want to thank the entire Apex team for making me feel welcome and included. Working with everyone taught me a lot, and I am grateful for the encouragement and support I had throughout my time there.

Again, for your invaluable help and guidance during my internship, Thanks to Dr. Nazmul Hasan Sir and Golam Rabbi Neshat Bhaiya. I will always be grateful for this opportunity and the knowledge and experience gained from it.

Executive Summary

During my internship, I am overseen by Golam Rabbi Neshat, the Deputy Manager of Demand Planning. Monitoring and evaluating factory data, projecting global supply reports and summary reports, and assessing stock data were among my tasks.

APEX Footwear Ltd, founded in 1990 by Syed Manzur Elahi, is a well-known footwear firm in Bangladesh that manufactures a variety of footwear, including leather shoes, sandals, boots, slippers, and sports shoes. Leather items such as purses, belts, and wallets are also produced by the company.

This study will evaluate the Inventory Management System for APEX Footwear Ltd, emphasizing on the demand planning element of the process, by gathering data from numerous sources, including daily reports from several departments and the IFS ERP system. The goal of the report is to identify the intended number of pairings, compare it to the actual number received, and emphasize the resultant balance to offer insight into how the process may be streamlined. This research will allow the organization to make educated decisions that will optimize their production process.

Keywords: Apex, Footwear, Demand Planning, Purchase order analysis, IFS system, Spreadsheet.

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Chapter – 01

Overview of Internship

1.1 Student Information

My name is Md.Mahabub Rahman Maruf and I am a student at BRAC University. I joined the university in the summer of 2020 and my student ID is 20264024. I am pursuing an MBA degree from BRAC Business School with a major in operations management.

To maintain good academic standing, I adhere to university policies and maintain a satisfactory level of academic performance. These include maintaining CGPA, attending classes regularly, submitting assignments on time, and following the Academic Integrity Policy.

1.2 Internship Information

1.2.1 Internship Details

I conducted my internship at APEX Footwear Limited, a reputable retail brand, as it was required for me to do so in order to enroll in an MBA Program. Apex Footwear Limited is the most popular shoe brand in Bangladesh. During my internship, I assisted Apex Footwear Limited in demand planning. I started three months internship at Apex Footwear Limited on March 19, 2023 and completed on June 19, 2023. Apex Footwear Limited is headquartered at House # 06, Road # 137, Block # SE(D), Gulshan-1, Dhaka-1212.

1.2.2 Internship Supervisor Information

I was under the direction of Golam Rabbi Neshat, the deputy manager of demand planning at Apex Footwear Limited, for the entirety of my internship. He is a professional responsible for forecasting and planning the demand for a company's products or services include analyzing historical factory data, developing statistical models, collaborating with product management teams, and monitoring company's products to predict demand for upcoming periods.

1.2.3 Responsibilities

- Business Revenue Achievement
- Overall Business Revenue / Sales Target Achievement: Revenue
- Overall Business Volume / Sales Target Achievement: Volume
- DRA (Demand vs Receiving Accuracy) in pairs | Factory/ Inhouse
- Factory/ Inhouse capacity utilization as per budget
- Corporate/ Institutional order vs delivery (Agreed tracking file)
- Relationship management with Stakeholders
- One click tracking of overall order status

1.3 Internship Outcomes

1.3.1 Contribution to the company

As the person in charge of Internship Student in Demand Planning at Apex Footwear Limited, my duty is to provide guidance and support to the interns during their stay in the company.

Some of my responsibilities include:

- Receiving all factory data from ERP software
- Monitoring and analysis the leather and synthetic report and operation statistic
- Placing purchase orders from ERP software
- Forecasting the global supply report and summery report
- Monitoring and analysis stock data

1.3.2 Benefits to the student

Initially, I completed this internship as a BUS-629 course as part of my MBA degree. But it enabled me to develop the skills to work in the retail sector. The work environment made me happy. My boss and other senior staff members were really helpful. Numerous benefits from this internship will support me in my future career. Among them are,

- I learn to supervise, which I subsequently use to my creative work. It is critical to keep corporate life under control. It provides an opportunity to understand the situation, gain information, and take proper action.
- It aided in the expansion and development of my company's network. It will allow me to progress and increase my chances of success.
- It increased my confidence as I learnt how to deal with various work-life circumstances, and it inspired me to work hard and look forward to future responsibilities.

This enabled me to increase my knowledge, which will make my resume more attractive for future jobs. Another benefit I received from my internship was a glowing recommendation.

1.3.3 Problems/Difficulties (faced during the internship period)

Here are some possible problems or difficulties faced during internship:

- **Breakfast Problem:** Office starts at 9 AM, so I face difficulty in managing breakfast before reaching office. This is especially challenging for us, as I am bachelors. It would have been nice to have breakfast in the office.
- **Long Duty Hours:** Duty hours from 9 am to 6:30 pm are challenging for interns as I am not used to working for such long hours. It is physically and mentally exhausting and affects productivity.

1.3.4 Recommendations

As an intern at Apex Footwear Ltd, here are some tips for future demand planning internships:

Demand planning is an important function in the firm, and interns can help with this job. Interns may assist increase the accuracy of demand projections and optimize inventory levels by interacting with other departments, employing data analytics tools, and concentrating on continuous development.

Chapter – 02

Background of the Company

2.1 Introduction

Founded in 1990 by Syed Manzur Elahi, Apex Footwear Ltd. is one of the top shoe manufacturers in Bangladesh. A wide range of footwear, including sandals, boots, slippers, and sports shoes, are now part of the company's product offering after it first focused on producing leather shoes. To produce new and improved goods, Apex Footwear Ltd has made significant investments in R&D. The company is strongly committed to quality and innovation.

2.2 Overview of the Company

In Bangladesh, Apex Footwear Ltd. has made a name for itself as a top manufacturer of footwear and is well-represented in the retail sector. The business has its own retail stores and also distributes its goods through a network of dealers and distributors. The firm makes leather wallets, belts, and purses in addition to shoes.

For its proficiency in the footwear sector, Apex Footwear Ltd. has won several accolades. The firm received the "Export Gold Trophy" in 2005 from the Bangladeshi government in recognition of its contributions to the export industry. The first footwear firm in Bangladesh to go public was Apex Footwear Ltd, which floated on the Dhaka Stock Exchange in 2013. The business is currently a well-known one in Bangladesh and sells its goods to many other nations.

2.2.1 Vision

Apex Footwear Limited's mission is clear and straightforward: "Honest Growth." APEX is dedicated to building their business in an ethical manner. They truly expand every year.

2.2.2 Mission

Apex Footwear Limited has several missions that they want to achieve. They want to-

- Ensure sustainable growth
- A vendor of choice for their customer
- Shareholder's value creation
- Compliance with best global practices and standards
- Responsible corporate citizens

2.2.3 Values

APEX Footwear Limited has 6 values in their company. These are detailed in below-

1. **Integrity:** Companies demonstrate integrity to their customers, stakeholders, and communities by accepting responsibility and acting in an honest, fair, and ethical manner, displaying consistency in speech and behavior.
2. **Courage:** They are determined to constantly challenge themselves in order to achieve in business. They find opportunity in every situation and create change in all aspects of company via innovation.
3. **Urgency:** They think that what has to be done should be done right away, without hesitation, and totally. They make rapid, educated decisions to confidently identify any complications in the culture and take steps to change.
4. **Respect:** They treat individuals with dignity and create a safe space for anyone to express their thoughts, opinions, and beliefs, regardless of gender, color, age, religion, caste, race, or handicap. They appreciate and value their coworkers, consumers, stakeholders, rivals, communities, and the environment.
5. **Empowerment:** Empowering individuals by creating the suitable environment and carrying out their obligations, honoring and promoting meaningful labor.

- 6. Sustainability:** They are devoted to sustainable business practices in order to establish enterprises that are financially successful, ecologically sustainable, socially responsible, and connected with their ambitions for a more inclusive and fair society. To do this, they guarantee that their employees gain information and raise awareness within the firm.

2.3 Department of company

Apex Footwear Ltd is a company that manufactures and sells footwear. It has several departments that play critical roles in the company's operations. Here are some brief notes on some department:

- 1. Human Resources (HR) Department:** Apex Footwear Ltd.'s HR department is in charge of managing the company's workers. It finds, hires, trains, and retains workers. The department oversees employee relations, benefits, and payments in addition to making sure the company conforms with labor laws.
- 2. Finance Department:** The financial resources of Apex Footwear Limited are managed by the finance department. It is in responsibility of creating financial statements, maintaining the budget, and overseeing the organization's accounting and audits. The division is in charge of overseeing corporate risk management and tax law compliance.
- 3. Marketing Department:** The marketing department of Apex Footwear Limited is in charge of coming up with and implementing marketing plans to increase sales and brand awareness. Activities for advertising and promotion are also planned, along with market research, product positioning development, and branding management. Knowing what the target market wants and prefers is essential to designing the company's products to meet those needs.

4. **Supply Chain Department:** Management of the movement of goods and services from suppliers to customers is the responsibility of Apex Footwear Ltd.'s supply chain division. Procurement, inventory control, inventory management, and distribution are all included in its purview. The department also collaborates with other departments to ensure that the company's production and delivery deadlines are met.
5. **Product Management Department:** The product management department is in charge of creating and overseeing Apex Footwear Limited's product range. It handles the development and promotion of products, conducts market research, and develops product specifications. Additionally, distribution, promotion, and product price are under the purview of the department.

2.4 Brand

Apex Footwear Ltd is a significant footwear firm in Bangladesh with a diverse portfolio of brands catering to various market groups. For Bangladesh, below are some of Apex Footwear Ltd.'s most popular brands:

1. **Sprint:** Sports footwear is the focus of the popular Apex Footwear Ltd brand Sprint. For walking, jogging, and other recreational activities, the business provides athletic shoes. Sprint is renowned for creating high-performance shoes that provide athletes outstanding comfort and support.



Figure 2.4.1: Sprint (Source: bing.com/images)

2. **Venturini:** The premium brand Venturini from Apex Footwear Ltd. has a variety of classy and stylish footwear for both men and women. The company is renowned for employing premium materials, coming up with stunning designs, and paying special attention to every last detail.



Figure 2.4.2: Venturini (Source: bing.com/images)

3. **Maverick:** Maverick, a chic and current brand from Apex Footwear Ltd, provides young men with a large selection of footwear options. The business offers a wide variety of sandals, shoes, and boots and is known for its bold and modern designs.



Figure 2.4.3: Maveric (Source: bing.com/images)

4. **Moochie:** A well-known brand that provides a large selection of modern and stylish footwear items for young women is Moochie by Apex Footwear Ltd. The company offers a selection of sandals, boots, and shoes and is known for its vivid and colorful designs.



Figure 2.4. 4: Moochie (Source: bing.com/images)

5. **Nino Rossi:** A premium leather business which is specialized in high end leather accessories that is used for men, is called Apex Footwear limited. This is owned by Nino Rossi. In general, this company is familiar for its excellent workmanship and for its materials.



Figure 2.4.5: Nino Rossi (Source: bing.com/images)

6. **School Smart:** School Smart brand is used for children's shoes which are the specialty of Apex Footwear Ltd. This company offers a huge kind of study which is accommodated for growing kids.



Figure 2.4.6: School Smart (Source: bing.com/images)

7. **Twinkler:** Among all brands of Apex Footwear Ltd., Twinkler is another known brand. If we notice this brand has a huge collection of small children's shoes where not only cozy and durable but also has colorful and intriguing shoes at the same time.



Figure 2.4.7: Twinkler (Source: bing.com/images)

2.5 SWOT Analysis:

I have done the SWOT analysis of APEX Footwear Ltd. The SWOT analysis determines APEX's strengths, weaknesses, opportunities and threats.



Figure 2.5: SWOT analysis

(Source: www.bing.com/images/search?q=swot+analysis&form=HDRSC3&first=1)

The SWOT analysis is given below-

1. Strengths

- **Market Leader:** APEX is an industry leader in Bangladesh's shoe business. Apex is committed to delivering high-quality goods while minimizing environmental impact. This enables them to maintain their industry leadership.
- **Distinctive design:** APEX has created a unique shoe design in comparison to their rivals. Customers can thus select their preferred products from a diverse variety.
- **Best quality:** APEX adheres to the guidelines and they always provide customers with high quality products and services in attractive designs.

- **Reliable brand:** APEX is one of the oldest footwear companies in Bangladesh. Customers choose their brand and pay more for our products because the brand is trusted and the product life span is longer than competitors.

2. Weaknesses

- **Maintenance of the brand:** Being the market leader, APEX must invest heavily in marketing, advertising, advertising and other areas to keep their position at the top. In other words, it is difficult for them to maintain the brand as they have to make significant financial investments to maintain their position as a leading footwear brand and their market share.
- **Stores not available everywhere:** APEX has locations in the district's hub or in well-liked locales. More stores must be offered so that people can purchase comfortable sneakers.

3. Opportunities

- **New machinery:** Other countries have some modern machinery accessible and some innovative leather tanning and cutting techniques are in operation. If they can introduce this tool to our nation, it will make it easier for them to make things.
- **Purchasing capability:** Currently a lower-middle income nation, Bangladesh will become a middle-income nation by 2020, according to our government. People will purchase items at greater prices as their purchasing power rises. Because it makes high-quality footwear, APEX will benefit. One of APEX's most important opportunities is this one.

- **Taste:** The way people live and what they love is evolving. Certain shoes customers prefer to wear every day. Shoes are an element of the perfect outfit. This is an opportunity for APEX to create some distinctive products with premium designs.
- **Online shopping:** Online shopping is common in today's world. Internet portal Apex4u.com has just been developed by Apex. Buying shoes is made easy by this website for customers.

4. Threats

- **Local shoe manufacturer:** Due to the cheaper pricing they provide, local shoe producers can be a challenge to them. Accessible local shoe producers already abound, and the number is increasing daily.
- **Tannery industry shifting outside of Dhaka:** According to government directives, the existing tannery industry in Dhaka's Hazaribagh neighborhood has to be shifted. Consequently, if the cost of production increases, the price of the product will also increase. This is a risk that must be managed properly.
- **Main competitors:** Their main competitors, such as Bata, Lotto, Bay Emporium and Orion, are developing new technologies that provide consumers with high quality shoes. To maintain their position as market leaders, businesses must provide high-quality items employing the latest technology.

2.6 Implications

Given the few facts presented, it is challenging to pass a firm verdict on Apex Footwear Limited. Here are some broader implications to think about, though:

- ❖ **Market research:** Here Market research for Apex Footwear Ltd. is to know the customers trends, tastes and their expectations. Hence, by this research the company

will be in a better position to provide their products which will meet the needs of their target market.

- ❖ **Branding and marketing:** branding and marketing here for Apex is to boost brand awareness and draw in new customers where businesses should invest more in marketing and branding operations. On the other hand, Marketing strategies should consist of both offline and online media and be more tailored to the target audience of the market.
- ❖ **Product innovation:** according to product innovation, Apex Footwear Limited should put an emphasis on product innovation and uniqueness to be competitive and to compete with their competitor's product innovation. In addition to, the company may develop new goods, improve its present offerings, or provide brand-new features that would improve what it has to offer.
- ❖ **Production efficiency:** To maintain its competitiveness, businesses should focus on increasing production efficiency and reducing costs. It can use new technologies, improve supply chain management and streamline manufacturing processes.
- ❖ **Employee training and development:** Apex Footwear Limited should invest in employee training and development to improve its employees' skills and expertise. It can help to increase production, quality, and customer satisfaction.
- ❖ **Environmental and social responsibility:** The company should assess its environmental and social impact and take measures to reduce its carbon footprint, promote sustainability and ensure ethical supply chain operations.

Chapter – 03

Inventory Management System of Apex Footwear Ltd.

3.1. Introduction

This report's analysis of Apex Footwear Ltd.'s Inventory Management System will concentrate on the process' demand planning component. The daily CDC report, daily reports from the cutting, sewing, and lasting departments, as well as the purchase order data from the IFS ERP system, will all be used in the report. The analysis's goal is to shed light on how many pairs were anticipated, how many were really received, and how many were left over as a balance.

Demand planning is the process of predicting customer demand for a good or service in order to create and deliver it more effectively and to their satisfaction. Among the stages of supply chain planning, demand planning is regarded as crucial.

3.1.1 Background: Leading footwear producer Apex Footwear Ltd creates a variety of shoes for men, women, and kids in Bangladesh. They have deployed an IFS ERP system to manage their production process and make sure that each product meets their requirements because quality is important to their organization. They also utilize spreadsheets to gather information from multiple departments in order to better understand their production process.

3.1.2 Objective: This report's goal is Inventory Management System with an emphasis on the demand planning component. The report seeks to identify the anticipated number of pairs that should be received and compare it with the actual number received to see if there is any mismatch. The report will also emphasize the resultant balance and offer tips on how to manage it.

3.1.3 Significance: Apex Footwear Ltd's ability to create its goods quickly and deliver them to clients on schedule depends on the demand planning procedure. Insights into the efficiency of the demand planning process will be revealed by examining the pair buy order in this report, enabling the business to make deft choices that will improve their manufacturing process.

3.2. Methodology: Data was gathered from a variety of sources for this research, including the daily CDC report, daily spreadsheet reports from the cutting, sewing, and lasting departments, and purchase order data from the IFS ERP system. The data was then evaluated using a spreadsheet program to calculate the number of pairings intended, the number received, and the resultant balance. The investigation concentrated on the following main areas:

The analysis involved the following steps:

1. Gathering information every day from the CDC report.
2. Gathering daily data from the departments responsible for cutting, sewing, and lasting as well as data on purchasing orders from the IFS ERP system.
3. Developing a tool for spreadsheet organization and analysis.
4. Using the information from the purchase order, determining the anticipated number of pairs that should be delivered.
5. Assessing any disparities between the intended and actual amounts received.
6. Calculating the balance that results and evaluating any places where the procedure might be improved.

Overall, Apex Footwear Ltd. will be able to streamline their production process and better serve their consumers thanks to the insightful information this research will give them about the efficiency of the demand planning procedure.

3.3 Findings and Analysis

3.3.1 Collecting daily data from the CDC report

Part Name	Quantity	Cost	Total Amount	MRP	MRP Total Amount	Supplier Name
ACCESSORIES MAN	300	535	160500	1490	447000	REDWOOD INTERNATIONAL-GAJMAHAL
ACCESSORIES MAN	300	535	160500	1490	447000	REDWOOD INTERNATIONAL-GAJMAHAL
ACCESSORIES Textile	60	595	35700	1490	89400	TESSEL TEX LIFE STYLE
CLOSE SHOE	1	944	944	2290	2290	AHMED FOOTWEAR LTD.(CKD-BK)
CLOSE SHOE	3	944	2832	2290	6870	AHMED FOOTWEAR LTD.(CKD-BK)
WATERPROOF	21	80.20115	1684.224	150	3150	Unit 2 Factory - Supplier of CDC
ACTIVITIES/SPECIALISED SHOES	79	1186.869	93762.62	3290	259910	Unit 2 Factory - Supplier of CDC
LEATHER GOODS MAN	3	3547	10641	6500	19500	MAZ ENTERPRISE
INTERNATIONAL BRANDS	1	8897	8897	#####	15740	SULTAN LIFESTYLE LIMITED
SANDAL SMOOTH LEATHER	3	170	510	1000	3000	Unit 2 Factory - Supplier of CDC
SANDAL RUBBER TAN	9	1450	13050	4990	44910	REDWOOD INTERNATIONAL-GAJMAHAL
SANDAL RUBBER TAN	64	1450	92800	4990	319360	REDWOOD INTERNATIONAL-GAJMAHAL

MEN WATERP ROOF	636	126.7 174	80592.24	260	165360	Unit 2 Factory - Supplier of CDC
MEN WATERP ROOF	168	126.7 174	21288.52	260	43680	Unit 2 Factory - Supplier of CDC
MEN WATERP ROOF	816	127.2 91	103869.4	260	212160	Unit 2 Factory - Supplier of CDC

3.3.2 Collecting daily data from cutting, sewing, and lasting departments

Part Name	Shop Order	Quantity	Cutting	Sewing	Lasting	FG store
ACCESSORIES MAN MADE BLUE	2302LS2-50	300	300	280	250	250
ACCESSORIES MAN MADE BLUE	2302LS2-45	300	300	290	285	270
ACCESSORIES Textile	2302LS2-55	60	60	55	55	55
CLOSE SHOE DRESS	2302LS2-40	1	1	1	1	1
CLOSE SHOE DRESS	2302LS2-60	3	3	3	3	3
WATERPROOF	2302LS2-24	21	21	21	18	15
ACTIVITIES/SPECIALISED SHOES	2302LS2-25	79	79	79	79	79
LEATHER GOODS MAN	2302LS2-38	3	3	3	3	3
INTERNATIONAL BRANDS	2302LS2-29	1	0	0	0	0
SANDAL SMOOTH LEATHER	V2302LS2-31	3	3	3	3	3
SANDAL RUBBER TAN	2302LS2-45	9	9	9	9	9
SANDAL RUBBER TAN	2302LS2-43	64	64	64	64	64

MEN WATERPROOF	2302LS2-36	636	636	500	490	480
MEN WATERPROOF	2302LS2-32	168	0	0	0	0
MEN WATERPROOF	2302LS2-33	816	816	700	700	700

3.3.3 purchase order data from the IFS ERP system

Shop Order	Quantity	IFS ARTICLE NO	SIZE RANGE	COLOR	BRAND	MONTH
2302LS2-50	300	91510A41	32-44	BLACK	APEX	JUNE
2302LS2-45	300	95911A70	32-44	BLACK	APEX	JUNE
2302LS2-55	60	95941A70	32-44	GREY	APEX	JUNE
2302LS2-40	1	95991A70	32-44	BLUE	APEX	JUNE
2302LS2-60	3	95911A32	32-44	BLACK	APEX	JUNE
2302LS2-24	21	95991A32	32-44	L. BLUE	SPRINT	JUNE
2302LS2-25	79	95911A34	32-44	BLUE	VENTURINI	JUNE
2302LS2-38	3	95951A34	32-44	RED	MAVRIC	JUNE
2302LS2-29	1	95911A35	32-44	GREY	VENTURINI	JUNE
V2302LS2-31	3	95931A35	32-44	COFFEE	VENTURINI	JUNE
2302LS2-45	9	95951A35	32-44	RED	VENTURINI	JUNE
2302LS2-43	64	95991A35	32-44	BLUE	APEX	JUNE
2302LS2-36	636	95911A38	32-44	RED	SPRINT	JUNE
2302LS2-32	168	95941A38	32-44	OFF WHITE	VENTURINI	JUNE
2302LS2-33	816	95991A38	32-44	GREY	MAVRIC	JUNE

3.3.4 Pair Size

Shop Order	32	34	36	38	40	42	44	46	Total
2302LS2-50				50	100	100	500		300
2302LS2-45				50	100	100	500		300
2302LS2-55	20				20			20	60
2302LS2-40				1					1
2302LS2-60							3		3
2302LS2-24				7	8	6			21
2302LS2-25						50		29	79
2302LS2-38							3		3
2302LS2-29					1				1
V2302LS2-31			3						3
2302LS2-45				3	3	3			9
2302LS2-43					12	40	12		64
2302LS2-36		20	60	6	250	150	150	100	636
2302LS2-32						18	50	100	168
2302LS2-33				16		300	500		816

3.3.5 Purchase order analysis

Part Name	Shop Order	Date	Quantity	Receiving plan	pair receiving	Balance
ACCESSORIES MAN	2302LS2-50	04-06-23	300	300	250	50
ACCESSORIES MAN	2302LS2-45	08-06-23	300	300	270	30
ACCESSORIES Textile	2302LS2-55	04-06-23	60	60	55	5
CLOSE SHOE	2302LS2-40	04-06-23	1	1	1	0
CLOSE SHOE	2302LS2-60	04-06-23	3	3	3	0
WATERPROOF	2302LS2-24	12-06-23	21	21	15	6
ACTIVITIES/SPECIALISED SHOES	2302LS2-25	04-06-23	79	79	79	0
LEATHER GOODS MAN	2302LS2-38	04-06-23	3	3	3	0
INTERNATIONAL BRANDS	2302LS2-29	12-06-23	1	1	0	1
SANDAL SMOOTH LEATHER	V2302LS2- 31	05-06-23	3	3	3	0
SANDAL RUBBER TAN	2302LS2-45	05-06-23	9	9	9	0
SANDAL RUBBER TAN	2302LS2-43	06-06-23	64	64	64	0
MEN WATERPROOF	2302LS2-36	16-06-23	636	636	480	156
MEN WATERPROOF	2302LS2-32	17-06-23	168	168	0	168
MEN WATERPROOF	2302LS2-33	18-06-23	816	816	700	116

3.3.6 Result

Based on the receiving plan and actual receiving, there are some pairs that need to be balanced and some pairs that are already complete. The following pairs need to be balanced:

- ACCESSORIES MAN: The intention was to get 300 units, but only 250 and 270 were delivered. It is advised that either the remaining units be ordered to balance the inventory or the plan be adjusted to meet the actual acquired units.
- ACCESSORIES Textile: The intention was to obtain 60 pieces, however only 55 were received. It is advised that the remaining 5 units be ordered in order to balance the inventory.
- WATERPROOF: The goal was to acquire 21 units, however only 15 were delivered. It is advised that the remaining 6 units be ordered in order to balance the inventory.
- INTERNATIONAL BRANDS: The goal was to get one unit; however, none were delivered. It is advised that you order the unit or change your strategy to remove this item from inventory.
- MEN WATERPROOF: The goal was to get 156, 168, and 116 units, however only 480, 0, and 700 units were delivered. To balance the inventory, it is advised that the plan be adjusted and the remaining units be ordered.

On the other hand, the following pairs are complete:

- CLOSE SHOE, ACTIVITIES/SPECIALISED SHOES, LEATHER GOODS MAN, SANDAL SMOOTH LEATHER, SANDAL RUBBER TAN: The actual units received exactly match the plan.

3.4 Summary

It is shown that projected and actual receipts are compared for several different footwear and accessory. Among the all received receipts some pairs received less some received too much and some received the actual amount. From the analysis it is found identifying specific pairs which need to balance and those should be completed. In addition, those analysis recommend to adopt the purchase process to make it better align with right demand and skipping overstocking or understocking for the future. In general, to increase the efficiency and profitability need to more focus on the importance of regularly checking and change the inventory level.

3.5 Conclusion

To conclude it is said that while establishing buying strategy which can ensure the actual and appropriate things and will be bought in terms of appropriate quantities at the same time. Therefore, it will help about excess inventory. On the other hand, for the best possible management it is really important to monitor the routine inventory which will help to take remedial action too.

3.6 Recommendation

It is suggested that to maintain or monitoring the inventory balance must need to reflect the actual received units. It is also important that the inventory management sometimes exercise review and evaluate in terms of lesson the future differences between actual received units and order units.

Supply chain management delays their shipments due to which sometimes purchase orders do not meet their needs.so, Supply chain management should be careful in their shipments.

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Appendix A.

3.3.1 Collecting daily data from the CDC report

Part Name	Quantity	Cost	Total Amount	MRP	MRP Total Amount	Supplier Name
ACCESSORIES MAN	300	535	160500	1490	447000	REDWOOD INTERNATIONAL-GAJMAHAL
ACCESSORIES MAN	300	535	160500	1490	447000	REDWOOD INTERNATIONAL-GAJMAHAL
ACCESSORIES Textile	60	595	35700	1490	89400	TESSEL TEX LIFE STYLE
CLOSE SHOE	1	944	944	2290	2290	AHMED FOOTWEAR LTD.(CKD-BK)
CLOSE SHOE	3	944	2832	2290	6870	AHMED FOOTWEAR LTD.(CKD-BK)
WATERPROOF	21	80.201	1684.2	150	3150	Unit 2 Factory - Supplier of CDC
ACTIVITIES/SPECIALISED SHOES	79	1186.9	93763	3290	259910	Unit 2 Factory - Supplier of CDC
LEATHER GOODS MAN	3	3547	10641	6500	19500	MAZ ENTERPRISE
INTERNATIONAL BRANDS	1	8897	8897	#####	15740	SULTAN LIFESTYLE LIMITED
SANDAL SMOOTH LEATHER	3	170	510	1000	3000	Unit 2 Factory - Supplier of CDC
SANDAL RUBBER TAN	9	1450	13050	4990	44910	REDWOOD INTERNATIONAL-GAJMAHAL
SANDAL RUBBER TAN	64	1450	92800	4990	319360	REDWOOD INTERNATIONAL-GAJMAHAL
MEN WATERPROOF	636	126.72	80592	260	165360	Unit 2 Factory - Supplier of CDC
MEN WATERPROOF	168	126.72	21289	260	43680	Unit 2 Factory - Supplier of CDC
MEN WATERPROOF	816	127.29	103869	260	212160	Unit 2 Factory - Supplier of CDC

1.3.2 Collecting daily data from cutting, sewing, and lasting department

Part Name	Shop Order	Quantity	Cutting	Sewing	Lasting	FG store
ACCESSORIES MAN MADE BLUE	2302LS2-50	300	300	280	250	250
ACCESSORIES MAN MADE BLUE	2302LS2-45	300	300	290	285	270
ACCESSORIES Textile	2302LS2-55	60	60	55	55	55
CLOSE SHOE DRESS	2302LS2-40	1	1	1	1	1
CLOSE SHOE DRESS	2302LS2-60	3	3	3	3	3
WATERPROOF	2302LS2-24	21	21	21	18	15
ACTIVITIES/SPECIALISED SHOES	2302LS2-25	79	79	79	79	79
LEATHER GOODS MAN	2302LS2-38	3	3	3	3	3
INTERNATIONAL BRANDS	2302LS2-29	1	0	0	0	0
SANDAL SMOOTH LEATHER	V2302LS2-	3	3	3	3	3
SANDAL RUBBER TAN	2302LS2-45	9	9	9	9	9
SANDAL RUBBER TAN	2302LS2-43	64	64	64	64	64
MEN WATERPROOF	2302LS2-36	636	636	500	490	480
MEN WATERPROOF	2302LS2-32	168	0	0	0	0
MEN WATERPROOF	2302LS2-33	816	816	700	700	700

3.3.3 purchase order data from the IFS ERP system

Shop Order	Quantity	IFS ARTICLE NO	SIZE RANGE	COLOR	BRAND	MONTH
2302LS2-50	300	91510A41	32-44	BLACK	APEX	JUNE
2302LS2-45	300	95911A70	32-44	BLACK	APEX	JUNE
2302LS2-55	60	95941A70	32-44	GREY	APEX	JUNE
2302LS2-40	1	95991A70	32-44	BLUE	APEX	JUNE
2302LS2-60	3	95911A32	32-44	BLACK	APEX	JUNE
2302LS2-24	21	95991A32	32-44	L. BLUE	SPRINT	JUNE
2302LS2-25	79	95911A34	32-44	BLUE	VENTURINI	JUNE
2302LS2-38	3	95951A34	32-44	RED	MAVRIC	JUNE
2302LS2-29	1	95911A35	32-44	GREY	VENTURINI	JUNE
V2302LS2-31	3	95931A35	32-44	COFFEE	VENTURINI	JUNE
2302LS2-45	9	95951A35	32-44	RED	VENTURINI	JUNE
2302LS2-43	64	95991A35	32-44	BLUE	APEX	JUNE
2302LS2-36	636	95911A38	32-44	RED	SPRINT	JUNE
2302LS2-32	168	95941A38	32-44	OFF WHITE	VENTURINI	JUNE
2302LS2-33	816	95991A38	32-44	GREY	MAVRIC	JUNE

3.3.4 Pair Size

Shop Order	32	34	36	38	40	42	44	46	Total
2302LS2-50				50	100	100	500		300
2302LS2-45				50	100	100	500		300
2302LS2-55	20				20			20	60
2302LS2-40				1					1
2302LS2-60							3		3
2302LS2-24				7	8	6			21
2302LS2-25						50		29	79
2302LS2-38							3		3
2302LS2-29					1				1
V2302LS2-31			3						3
2302LS2-45				3	3	3			9
2302LS2-43					12	40	12		64
2302LS2-36		20	60	6	250	150	150	100	636
2302LS2-32						18	50	100	168
2302LS2-33				16		300	500		816

1.3.5 Purchase order analysis

Part Name	Shop Order	Date	Quantity	Receiving plan	pair receiving	Balance
ACCESSORIES MAN	2302LS2-50	04-06-23	300	300	250	50
ACCESSORIES MAN	2302LS2-45	08-06-23	300	300	270	30
ACCESSORIES Textile	2302LS2-55	04-06-23	60	60	55	5
CLOSE SHOE	2302LS2-40	04-06-23	1	1	1	0
CLOSE SHOE	2302LS2-60	04-06-23	3	3	3	0
WATERPROOF	2302LS2-24	12-06-23	21	21	15	6
ACTIVITIES/SPECIALISED SHOES	2302LS2-25	04-06-23	79	79	79	0
LEATHER GOODS MAN	2302LS2-38	04-06-23	3	3	3	0
INTERNATIONAL BRANDS	2302LS2-29	12-06-23	1	1	0	1
SANDAL SMOOTH LEATHER	V2302LS2-31	05-06-23	3	3	3	0
SANDAL RUBBER TAN	2302LS2-45	05-06-23	9	9	9	0
SANDAL RUBBER TAN	2302LS2-43	06-06-23	64	64	64	0
MEN WATERPROOF	2302LS2-36	16-06-23	636	636	480	156
MEN WATERPROOF	2302LS2-32	17-06-23	168	168	0	168
MEN WATERPROOF	2302LS2-33	18-06-23	816	816	700	116