

Automation on Enterprise Resource Planning (ERP) Software of Silva Pharmaceuticals Limited





UNITED INTERNATIONAL UNIVERSITY

SUBMITTED TO

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DATE OF SUBMISSION: 05-05-2021

Letter of Transmittal

5 May, 2021

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Subject: Submission on Internship Report.

Dear Madam,

This is significant privilege for me to introduce my entry level position report on “Automation on Enterprise Resource Planning (ERP) Software of Silva Pharmaceuticals Limited.” I feel magnificent as I got the chance to do my entry level position in a rumored organization of our country. I fruitful finishing of my have given most extreme devotion and focus to my internship with the goal that I could set up a fruitful internship report. It is an extraordinary chance to introduce my entry level position report under your watch. I'm grateful rules and directions.

I attempted to invest my best energy for the arranging of this Report. Anyway if any weaknesses or defects arise, it will be my pleasure to answer any explanation and idea in regards to this report.

Thanking You.

Yours Sincerely,



Mojibul Haque Tanim

ID: 111 153 119

United International University

ACKNOWLEDGMENTS

Firstly, I am Thankful to my Almighty Allah, who gives me the solidarity to finish the examination. Each work like this ought to owe credit to a numerous of individuals. This is my unassuming exertion to introduce appreciation is presenting this report which has genuinely draw upon my own insight as an understudy of BBA.

Regardless of anything else, I am committed to Mimmun Sultana, My course instructor, for her liberal bearing through the work. Her unstinting assistance, certainty to me, and inspiration from this course, was a zenith of fortitude in collecting the pieces and an unfailing wellspring of cheer and relief. Along these lines, warm appreciation to them for supporting me and giving me a palatable proportion of data.

Finally, I need to thank the authority of UIU. They set out a plan to make us understand for not so inaccessible future.

Executive Summary

This report is about on “Automation on Enterprise Resource Planning (ERP) Software of Silva Pharmaceuticals Limited.” Automation on ERP software is a technological changed in pharmaceutical industry. Many pharmaceuticals using this software. Automation is an expansive term that can cover numerous regions of innovation where human info is limited. First, Start Automation on Enterprise Resource Planning (ERP) Software how it works helps the business for using this software. ERP is the best solution for the business organizations. Also, Overview of Silva Pharmaceuticals Ltd mission, vision, product, history discusses. Secondly, Automation on ERP software using module this part is the main part of ERP software development. This part discusses R & D/Formulation, production, Planning, Inventory, Quality & Compliance, Sales & Procurement and Finance & Accounting. This module is very effectively using ERP software for every business development. Without ERP module software cannot work properly. This module and software update every year changed function. Final part ERP software using implement for the new business develop, Just Juicy Beverage Limited wants to introduce a new type of Orange juice in Bangladesh market. Just Juicy Beverage Limited buy ERP software for develop their new product. Develop their new product Orange Juice the follow ERP software module.

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Chapter: One

Introductions

1.1 Origin of the Report

This report is set up to make an investigation on "Automation on Enterprise Resource Planning of SILVA Pharmaceuticals Limited" as a piece of the satisfaction of task needed for the consummation of the BBA program of the business staff of United International University. The report was set up under the management of Ms. Mimmun Sultana, Lecturer of United International University, Dhaka. I am a lot of gratitude to her for relegating such sorts of undertaking work.

1.2 Objectives of the Report

The fundamental destinations of the investigation are to figure out how to set up a report. My respectable course instructor relegates us to set up this report so that in the employment market we can perform adequately and productively and furthermore edify the altruism of our college just as our instructors. Different objectives of this report are:

- To share the exercise learns.
- To advise about the advancement.
- To break down the contributions against the yields.
- To convey the progressions.
- Investigate the suggestions.
- Hazard a decrease in readiness.
- To design likewise for an upcoming that is all.
- To take speedy choices.

1.3 Methodology of the Report

For smooth and exact examination I have chosen to credit both the essential also, assistant sources are:

Primary Sources

Essential wellsprings of information are those that give direct records of the events, rehearses, or then again conditions. By and large, these are reports that were made by the observers or on the other hand first recorders of these occasions at about the time they happened. These data are gathered from

- Functional work area work
- Face to confront discussion with the official
- Direct perceptions
- Face to confront discussion with the Client

Optional Sources

Second-hand, distributed records are called auxiliary sources. They are called optional sources since they are made after essential sources and they regularly use or discussion about essential sources. Optional sources can offer extra thoughts on a past occasion or on the other hand on an essential source.

Optional sources frequently have numerous duplicates which we gathered from

- Yearly report of organizations
- Documents and Envelopes
- Every day journal
- Different distributions of organizations,

- Site

Information Collection Method

Pertinent information for this report has been gathered basically by direct examinations from various organization workforces.

Information sources

The data furthermore, information for this report have been gathered from essential sources. The optional wellsprings of data are article reports, sites, also, various manuals. A few course readings, diaries, papers, and soon have been counseled to develop the structure of the examination.

Information preparing

Information gathered from optional sources have been prepared physically and subjective methodology when all is said is done and quantitative methodology sometimes has been utilized all through the examination.

Information investigation and understanding

Subjective methodology has been received for information examination also, translation taking the prepared information as the base.

1.3 Limitations of the Report

In transit of our investigation, we have confronted a few issues that named as the constraints of the investigation. On the whole regard following impediment furthermore, shortcoming stay inside which we neglected to getaway using any and all implies. These are as per the following:

Planned time impediment

It was one of the principle imperatives that obstructed to cover all parts of the examination.

Classification of information

Due to some divisional and secret issues, we were unable to get enough data. Each association has its own mystery that isn't uncovered to other people. While gathering information a few organization faculty didn't unveil enough data for the classification of the association.

Information Insufficiency

There is an absence of data about the distinctive costing strategies applied by various organizations also, the degree of costing applications too. Inadequate books distributed pertinent to the point also, absence of accessibility of reality and figure has had an effect. These obliges limited the extent of precise examination. On the off chance that these impediments had not there; the report would have been more helpful appealing.

Chapter: Two

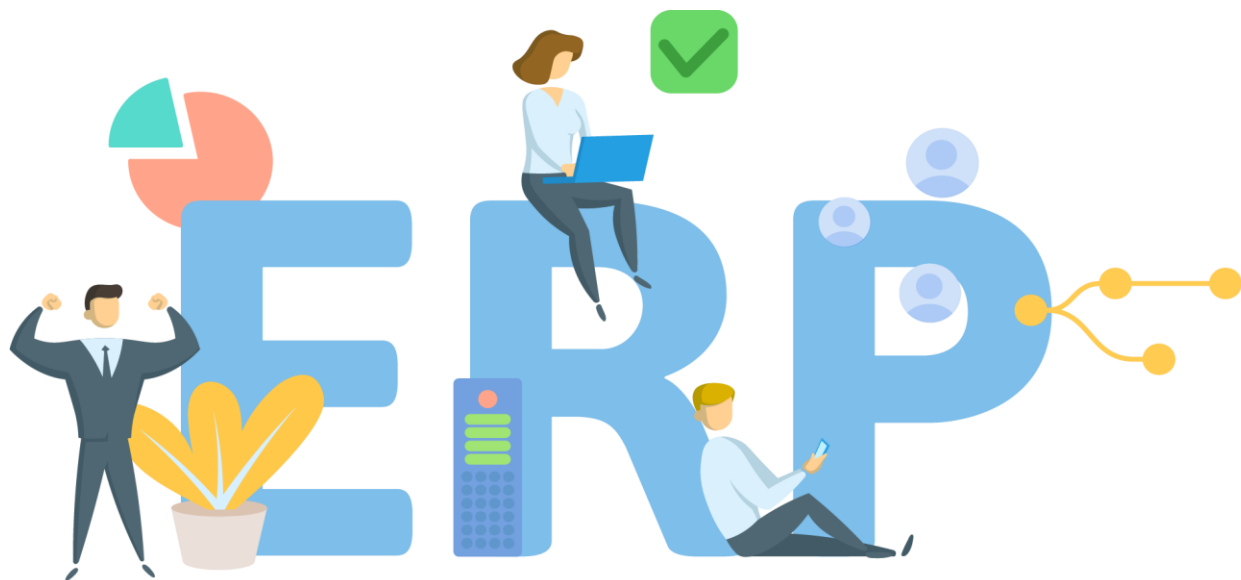
Automation on Enterprise Resource Planning (ERP)

2.1 Introduction:

Automation on ERP software is a technological change in pharmaceutical industry. Many pharmaceuticals use this software. ERP software use helps produce safe and effective drug. Automation improved our supply chain operation for pharmaceuticals industry. Automation on ERP software using pharmaceuticals for production, planning, Inventory, sales & Procurement, finance & accounting and others.

Silva pharmaceuticals Ltd using ERP software it has gotten simple to oversee business all the more adequately. ERP software is user friendly to all legal guideline and it rushes to carry out. Pharmaceuticals industry has been classified under cluster measure fabricating. ERP make the way toward estimating straightforward. It is incredible start to finish business incorporation arrangement.

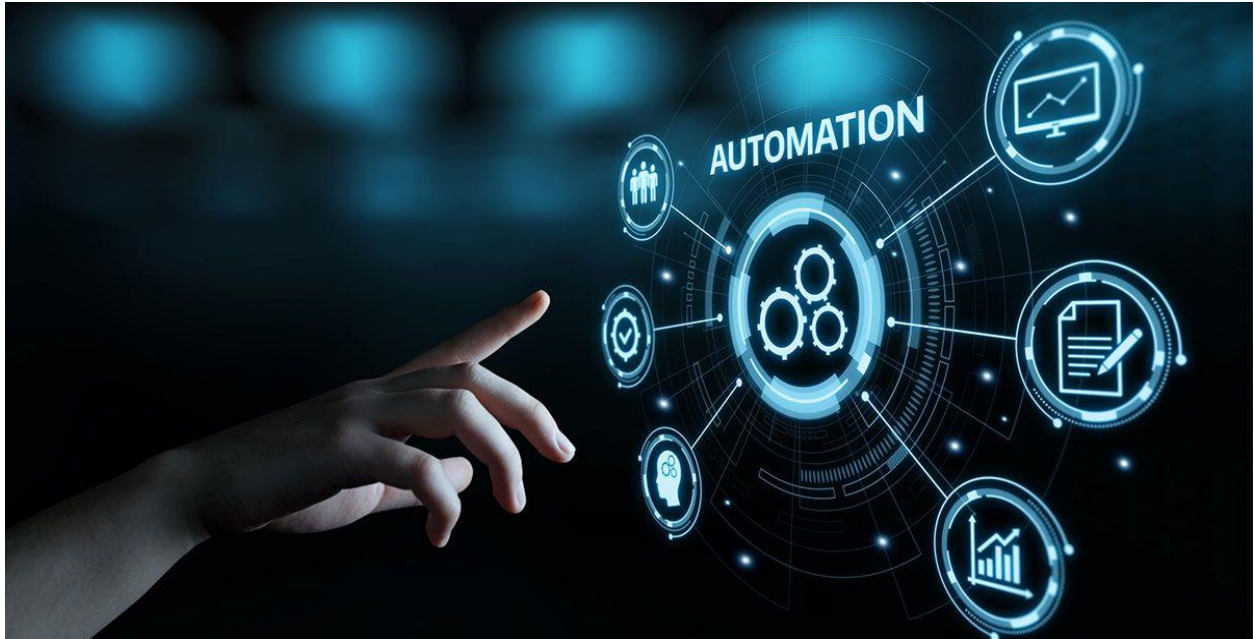
Silva pharmaceuticals Ltd ERP using module for Production Management, Procurement Management, Human Resource Management, Accounting System, and Payroll Management. Silva Pharmaceuticals Ltd benefit for ERP software use easy contract with manufacturing, optimized the cash flow, tracking inventory, maintain the cost & time, quality production ensure, management cost analysis at each stage and update report inform.



Enterprise Resource Planning

2.2 Automation:

Automation is a wide range of technology that reduces the Human intervention in process. Automation is the application or innovation, projects, mechanical technology or cycles to accomplish results with insignificant human information.



2.3 Automation Process:

Automation is an expansive term that can cover numerous regions of innovation where human info is limited. That can incorporate everything from business explicit sort, for example, business measure Automation (BPA), IT Automation, Marketing Automation and industrial Automation.

Business process automation (BPA), that usage of advancement to execute rehashing undertakings or cycles in a business where manual effort can be superseded. It is done to limit costs, increment proficiency, and smooth out measures. Example: employee on boarding, purchase orders.

IT automation that is cycle of making programming and frameworks to supplant repeatable cycles and manual mediation. IT automation is an integral asset that can scale a business, give huge expense reserve funds, and permit IT staff to zero in on key as opposed to managerial work.

Marketing automation is connected to using programming to automate publicizing works out. Many advertising offices robotize redundant assignments, for example, email promoting, online media posting, and even advertisement crusades – for effectiveness, yet so they can give a more customized insight to their clients. The innovation of showcasing computerization makes these undertakings simpler.

Industrial automation is the utilization of control framework, like PCs or robots, and data advances for taking care of various cycles and hardware in an industry to supplant an individual. It is the second step past motorization in the extension of industrialization.

Way of Automation:

- increase productivity
- expended product variety
- improve finance
- increase need for new skills
- increasing the value of human labor
- reduction in costs
- enhance your workforce allocation

Example: Unilever is one of the world's biggest organizations inside the quick buyer products industry and the proprietor of around 400 brands, accessible in more than 190 nations. Unilever fully automated their production line. Unilever can use automation their productivity increase day by day. Their operation think using technology reduces the cost of productivity.

The biggest drink organization on the planet Coca-Cola has been commonly recognized name for over 130 years. It's an organization that flourishes with a culture of persistent improvement. Automation is challenging for Coca-Cola but they can improve industrial automation, IT automation and marketing automation. This automation through they connected with customer's needs, satisfaction and what they want. Because of many culture peoples test are different so Coca-Cola try to always improve their technology & automation system.

2.4 Automation of Enterprise Resource Planning (ERP):

Undertaking Resource Planning (ERP) alludes to a sort of programming that association use to oversee everyday business exercises like bookkeeping, acquirement, project the executives, hazard the board, and production network activities. A total ERP suite similarly joins undertaking execution the executives, programming that helps plan, budget, predict also, report on an affiliation's financial results.



Methods of ERP programming help to business:

- Integration with various departments: ERP gives a completely incorporated stage which assists with breaking down, screen and lead most of information driven undertakings. It likewise guarantees consistent correspondence among different offices works in a free way.
- Automation of tasks: This Automation cycle likewise diminishes human blunders. Automation empowers the information starting with one piece of the framework then onto the next one without the possibility any blunder.

- **Data examination:** ERP serves to examination information identified with business activities which incorporates information of clients, measurements identified with creation, information identified with deals and so on. Information investigation settles on it simpler for more astute dynamic to find different freedoms and settle on right choices in a quicker manner.
- **Reporting:** ERP announcing ability gives the point by point investigation report of information to the end client. The different devices incorporate altered dashboards, pie diagrams, diagram graphs and a lot other visual portrayal to make the report simpler.
- **Customer Relationship Management:** The CRM structure is a piece of ERP. The CRM useful as it is a decent alternative for organizations and associations to deal with the client data in a focal information base and make it simpler to work and refresh the information when required.
- **Accounting:** It is perhaps the main elements of each business. For monetary administration, ERP gives solid bookkeeping devices. It assists with overseeing measures like record payable, receivable, fixed resource the board, charge the executives, etc.
- **Tracking and Visibility:** ERP likewise empowers following data which incorporates deals, creation related measurements, profitability of the staff and so forth.

ERP software uses many organizations Example:

Square Pharmaceuticals Ltd using the ERP software it works deals exchanges from the retail location, item subtleties and estimating changes brought into the ERP item list naturally populated all retail location area. Stock remaining parts refreshed and client data went into either framework naturally adjusts to other framework.

Chapter: Three

An Overview of Silva Pharmaceutical Limited

3.1 Background of SILVA Pharmaceuticals

Silva Pharmaceuticals Limited has busy with the collecting and promoting of medications finished things in the classes of Antibiotics, Analgesics, Antidiabetics, Opiates, Anti pyratrics, Antiin flammatory Drugs, Anti ulcerants,Multi medications which are sold for the most part in the nearby market. It has set up a cutting edge drug plant that is outfitted with advance what's more, current hardware and innovation.

The organization the executives comprises of experienced business experts who favor the organization with their bits of knowledge, vision & dynamic authority and venturing the organization to accomplish excellence. The earnest also, committed representatives function as a group, as they accept the association's prosperity relies upon sharing the information, cooperating, and fitting every last errand among around 1200 workers all through the whole association.

The organization is unequivocally spoken by an ever-expanding product offering on the lookout. Its production facilities are situated in Noakhali with cutting edge innovation and excellent control.

Founder Chairmen

Mrs. Silvana Mirza

Chairman

1979 - Present



3.2 Vision Statement of SILVA Pharmaceuticals

We are submitted to improving human prosperity and prosperity by giving contemporary furthermore, moderate meds made in full consistence with overall quality norms.

3.4 Mission Statement of SILVA Pharmaceuticals

We determinedly attempt to improve our middle capacities to address the ignored clinical necessities of the patients and to pass on outstanding results for our financial backers.

3.5 Objective

Silva Pharmaceuticals Limited has decided to stroll through the way of advancement and quality. We have a mission to enhance the medical care administration for the individuals of the nation. Silva Pharmaceuticals Limited has occupied with assembling and showcasing of drugs completed items in the classes of Anti-Infective, Gastro-Intestinal System, Cardiovascular System, Respiratory System, Endocrine System, Central Nervous System, Musculoskeletal and Joint Disease, Anemia and Other Blood Disorders, Nutrition and Disinfectants which are sold essentially in the nearby market. It has set up a cutting edge drug plant that is furnished with cutting edge and present day apparatus and innovation.

3.6 Company History

Silva Pharmaceuticals has an incorporated Marketing, Sales, and Distribution System that guarantee an ideal interest and gracefully all through the whole chain, from remedy request to conveyance. Inside this territory, staffs are engaged with a persistent quest for new solution focuses and driving deals through immediate and circuitous channels. We will probably vanquish the brains and hearts of individuals with quality medical care items, which will help assembling more beneficial society.

Generally advertising elements of Silva Pharma are isolated into 5 (five) significant sections. Deals, Product Management, Medical Services, Marketing Services, and Surveillance.

Our exception refined promoting network guarantees a solid portrayal around the nation. We are resolved to advance our items mindfully and keep up our strategic policies in a manner that advances straightforwardness. Silva Pharmaceuticals Ltd. sticks to its every single material law and guidelines just as to industry norms. To guarantee our advertising, deals, and dispersion approaches maintain the best expectations, Silva Pharmaceuticals Ltd has a broad required, expansive preparing on these guidelines of correspondence and direct.

Our strategies are completed which are created by corporate and market goals. Around 2000 people from assorted controls including Medical Science, Pharmacy, Microbiology, MBA, Accounting, and Engineering are working cross country under the umbrella of Silva Pharmaceuticals.

Among the different promoting exercises, we coordinate PCBs (Pre Cycle Briefing Session) consistently for assessment and legitimate observing of our key goal, preparing classes and gatherings concerning clinical issues, new item advancement, and deals procedures. Through these enacts, we have intended to build up a nearby compatibility among the lead Physicians and Healthcare suppliers to give greatness in proficient help.

Silva Pharmaceuticals has been-built up a 100% IT-based solid appropriation organization. As of now, we have around 15 DMOs the nation over which, empower us to make accessible our items in each and every medication store in Bangladesh. The dissemination workplaces situated in Dhaka, Barisal, Branmonbaria, Chittagong, Faridpur, Jashore, Comilla, Noakhali, Mymensingh, Bogra, Rangpur, Rajshahi, and Sylhet. Our definitive target is to assemble DMO in each locale to guarantee most extreme inclusion.

Product Mix

Silva Pharmaceuticals right now creates in excess of 187 nonexclusive prescriptions that are accessible in well more than 350 distinct introductions and the expansive portfolio incorporates all key helpful classes including anti-toxins, analgesics, hostile to diabetic, respiratory, cardiovascular, focal sensory system, dermatology, gastrointestinal, etc.

A considerable lot of brands stay steady pioneers in their separate helpful classifications and the organization constantly audits and extends this portfolio to guarantee that individuals approach more current generics, and better treatment choices at a reasonable expense.

Sister Concern

Silva Pharmaceuticals Ltd (A sister concern of Al-Amin Group)

AGI Printing & Packaging Ltd

Al-Amin Bread & Biscuits Industries Ltd

Al-Amin Sweets & Cracker Ltd

Global Footprints

Silva Pharmaceuticals currently has broadened its maxim of "Recuperating Minds Healing Hearts" to be available over the globe.

Drugs Industry (Silva Pharmaceuticals) is one of the handful areas in Bangladesh where they made amazing headways. Being one of the 48 LDCs, Bangladesh is permitted to produce licensed medications till 2033 according to orders of WTO-Trade-Related Aspects of Intellectual Property Rights (TRIPS) and has the best framework to fabricate drugs completed definitions.

As the worldwide drugs market outperforms the \$1 trillion edges in 2018.

Silva Pharmaceuticals Limited tries to make its imprint past in the public limit. Being one of the main drug organizations in Bangladesh, Silva Pharmaceuticals currently has broadened its adage of "Mending Minds Healing Hearts" to be available over the globe. Silva Pharmaceuticals Limited has occupied with assembling and advertising of drugs completed items in the classifications of Antibiotics, Analgesics, Anti-diabetics, Narcotics, Antipyretics, Anti-fiery Drugs, Anti-lcerants, Nutrition, and Multi prescriptions.

It has set up of cutting edge drug plant that is outfitted with cutting edge and present day hardware and innovation and subsequently, its endeavors to improve quality activities never end up. This is a consistent cycle of setting better expectations and feeling enthusiastic to give more to society.

CGMP rules as per WHO are carefully continued in each and every activity of the plant to create greater quality items. Each worker of the organization is working perseveringly to maintain the organization's quality picture. With the mean to adapt to the worldwide reach of prescriptions, the organization previously preparing trade systems essentially to the Asian and African nations.

Chapter: Four

Automation on

ERP Software Using Module

4.1 R & D/Formulation



- **New formula development:** Detailing advancement administrations help makers and merchants transform their creative item thoughts into an on-the-rack item. Our custom item improvement administration can be stretched out to incorporate help benefits that will abbreviate your opportunity to showcase. Item formulators have experience creating inventive individual consideration items, coatings, supplements, Pharmaceuticals, glues, polymers, cleaners, composts, family item, remarkable material science, and that's just the beginning.
- **Formula management:** Formulation management involves managing the specification of yours products, including intermediates, co-product and by products, and thus it can be rightly considered as the backbone of the product development cycle, and building block to the manufacturing process.
- **Opportunity Management:** Opportunity Management has been characterized as "a cycle to recognize business and local area advancement openings that could be carried out to support or improve the nearby economy". Opportunity the chiefs is a synergistic approach for money related and business progression. The cycle centers around substantial results.
- **Sample Management:** Sample the board is a piece of cycle control, one of the basics of a quality organization structure. The nature of the work a research center produces is just pretty much as great as the nature of the examples it utilizes for testing.

- Formula Costing:



**Average
Total Cost
Formula**



$$= \frac{\text{Total Cost of Production}}{\text{Quantity of Units Produced}}$$



4.2 Production



- **Batch Management & Costing:** Batch Management can be characterized as labeling an alphanumeric or a numeric code to the material created or material secured. Each group number has a stock amount related with it.

Batch costing: The cost of a group of product is ascertained. The cost unit is not single product but some specific quantity like product at the same time.

- **Support of contract manufacturing:** Many Company may decide to utilize the technique for contract assembling to set aside cash, time and improve nature of an item. The business may basically utilize this technique since that item or administration isn't the organization's center business. The organization can depend on the aptitude and unwavering quality of the outsider. Agreement fabricating likewise permits customers to free their assets for different exercises inside their organization, particularly in the event that they have restricted information on the item or administration and breaking point space for creation.

✚ **Batch Manufacturing Records generation:** Batch Manufacturing Records are basic reports for guaranteeing quality and administrative prerequisites are accomplished. They consistently contain information that relates to the going with parts of the gathering of a gathering of thing:

- ✚ Dates of start and finish of assembling.
- ✚ Records all materials utilized furthermore, measures of each utilized.
- ✚ Arrangements of bundling materials utilized.
- ✚ Subtleties of the means finished in the assembling cycle furthermore, seasons of culmination.
- ✚ Initials of the individual dependability at each stage.
- ✚ Subtleties and consequences of all in-measure checks
- ✚ . Reference to any gear utilized.
- ✚ Bunch yield and compromise.
- ✚ Any deviations.
- ✚ Quality Control data.

- Production QC: Quality control includes testing of units and deciding whether they are inside determinations for the end result. The justification the testing is to choose any prerequisites for remedial exercises in the amassing cycle. Quality testing incorporates every movement of the collecting association.



4.3 Planning

- Material Planning: Material arranging is the logical technique for arranging and deciding the prerequisites of consumable, crude materials, spare parts and other incidental materials fundamental for the creation plan execution.



- **Production Planning:** Production arranging is the show of developing a guide for the arrangement and formation of a given thing or organization. Creation arranging assists associations with making the creation interaction as productive as could really be expected. Creation arranging began to improve the collecting connection, and today its general reasoning is applied in various constructions to plan, creation and transport of programming as well.



- **Maintenance Forecasting:** Maintenance forecast is a dashboard that analysis your historical data to provide an expectation of your future workload. The forecast present a twelve month projection of your created work order metrics and your completed work order metrics. This will help you to budget and the plan with confidences by using your historical data to guide conversations within your organization about allocation funds where they are needed most.

4.4 Inventory

- **BI- Directional Tracking & Serialization:** A novel approach to key frame-based tracking, called bi-directional tracking. Sterilization, the supply chain is focused on much more than shipping product. Since data is being traded, too, ace information is more basic than any other time in recent memory.
- **Mobile Warehouse Management:** Without supply chain transparency, emerging market distribution efforts can experiences stock outs that increase costs, erode trust, decrease revenue. The mobile inventory management framework assists track with loading level and item developments between providers, stockrooms and last mile circulation specialists – even disconnected PDA or tablets.



- **Bin Management:** Bin the executives believes stock to be gotten at the dispersion community and put away into supported canisters inside the rack course of action of the stockroom for straightforward picking later during the solicitation fulfillment measure. Request based stock recharging. Naturally adapts to occasional patterns and guarantee stock close by.



- Physical and Cycle Count: An actual check is a real include of the merchandise in stock. Cycle tallying is the way toward checking little foreordained arrangement of merchandise and materials regularly as opposed to playing out a full actual stock once each year.

4.5 Quality & Compliance



- Re-testing of inventory at any time: If company records its stock as a resource and it goes through a yearly review, then the reviewer will direct a review of your inventory. Given the enormous size of specific inventories, they may take part in immense number of stock audit methods before they are pleasant that the valuation you have communicated for the stock asset is reasonable.

- User-defined test method and result reporting: User-defined functions (UDF) are the capacities which are made by clients according to their own necessity. To utilize a UDF, it is important to call the suitable bundle record at start of the program. The header record illuminates the program regarding the name, type, and number and sort of contentions, of the entirety of the capacities contained.

When announcing results from an ease of use test, you should zero in chiefly on your revelations and proposition that are isolated by levels of earnestness. Consolidate the proper information from the test plan and present barely sufficient detail so the technique is recognizable.

- Inventory hold and release capability: A hold is an attribute of inventory. A hold can indicate that inventory is not available for use or distribution. Optionally, a hold can be configured to allow inventory to which the hold is applied to be allocated and shipped. For example, if the product packaging is damaged, but the inventory itself is okay, you may want to apply a hold to the inventory and then allocate and ship the inventory to a donation site.

4.6 Sales & Procurement

- Supplier/ Vendor Management: The business and individuals that provide goods and services to organizations are considered its vendors. An organization could work with a couple, handfuls, or even many various merchants, all with various agreement terms, pay rates, and point of agreement that should be overseen through a seller administrator. The term dealer the load up is used while portraying the activities associated with investigating and sourcing shippers, getting refers to with esteeming, capacities, turnaround times, and nature of work, masterminding contracts, regulating associations, delegating occupations, surveying execution, and ensuring portions are made. It requires a huge load of capacities, resources, and time.



- Integration with planning: The coordinated arranging approach depicts a cross-practical interaction. It guarantees that the sub plans of all business spaces of an organization are united and facilitated. The outcomes are a higher straightforwardness inside the organization, higher importance and nature of the arranging results just as expanded productivity across the association.
- Customer Management: Customer the board is characterized as the way toward dealing with the connection between an association, its kin and clients it's after some time. For supported achievement, it is significant for organizations to adjust their client methodology to the organization's points and destinations.



- Sales Management: Sales management is a cycle of developing a business power, coordinating arrangements assignments, and executing bargains strategies that grant a business to dependably hit, and even beat, its business targets. If your business gets any pay at all, a business the board framework is a completely should.



4.7 Finance & Accounting

- Integration with Tally, QuickBooks, SAP, MAS 90/100, Navision, etc:
 - ✚ Tally - Tally is accounting software that is used in over 40 countries. It is the most popular accounting software in India. The software handles bookkeeping, stock administration, charges the board, finance, and so forth and is utilized by over 1.6M clients around the world.
 - ✚ QuickBooks - Quickbooks is an accounting software package developed & maintained by Intuit. Quickbooks is a cloud-based application that is appropriate for development project bookkeeping and is being utilized by more than 56,000 development organizations around the world.
 - ✚ SAP - SAP is a global leader for ERP software. SAP ERP includes Financial Accounting (FI), Controlling (CO), Sales & Distribution (SD), Material Management (MM), Quality Management (QM), Project System (PS), Plant Maintenance (PM), Human Resources (HR) & other modules.

- General Ledger, Accounts Payable, Receivables, Contra:
 - ✚ General Ledger – An overall record is the establishment of a framework utilized by bookkeepers to store and sort out monetary information used to make the association's budget reports. Exchanges are presented on singular sub-record accounts, as characterized by the organization's graph of records.
 - ✚ Accounts payable – Accounts payable is a current commitment account that screens cash that you owe to any untouchable. The outcasts can be banks, associations, or even someone who you procured cash from. One basic illustration of records payable are buys made for products or administrations from different organizations. Contingent upon the terms for reimbursement, the sums are ordinarily due quickly or inside a brief timeframe.
 - ✚ Accounts Receivables – Accounts Receivables is a current asset account that screens cash that untouchables owe to you. Again, these untouchables can be banks, associations, or even people who gained cash from you. One regular model is the sum owed to you for products sold or benefits your organization gives to create income.
 - ✚ Contra – A contra account is a record utilized in an overall record to decrease the estimation of a connected record. They are helpful to protect the recorded worth in a primary record while introducing a diminish or record in a different contra account that net to the current book esteem.

- Trail Balance & Cash Flow:
 - ✚ Trail Balance - Trial balance is report for accounting period, checking left and right side of a balance are equal.
 - ✚ Cash Flow - Cash Flow (CF) is the addition or decrease in the proportion of money a business, association, or individual has. In cash, the term is used to portray the proportion of cash (money) that is created or eaten up in a given time period. There are numerous kinds of CF, with different significant uses for maintaining a business and performing monetary examination. This guide will explore all of them in detail.

4.8 Costing

- Detail Product Cost: Product cost alludes to every single one of those costs which are achieved by the association to make the aftereffect of the association or convey the administrations to the clients and the equivalent is shown the fiscal report of the organization for the period in which they become the piece of the expense of the merchandise that are sold by the organization.

- ✚ Direct Materials (DM)
- ✚ Direct Labor (DL)
- ✚ Factory Overheads (FOH)

- Product Cost Summary:

	A	B	C	D	E	F
1	<u>Factory Overhead Budget</u>					
2						
3		Particulars	Quarter 1	Quarter 2	Quarter 3	Quarter 4
4	A	Units to be Produced	5060	5260	5600	5800
5	B	Variable Overhead Rate	8	10	12	14
6	C	Total Variable Overhead (A * B)	40480	52600	67200	81200
7	D	Fixed Overheads:				
8	E	Administrative Salary	35000	35000	35000	35000
9	F	Depreciation	15000	15000	15000	15000
10	G	Rent	28000	28000	28000	28000
11	H	Total Fixed Overhead (E + F + G)	78000	78000	78000	78000
12	I	Total Factory Overheads (C + H)	118480	130600	145200	159200
13	J	Less: Depreciation	15000	15000	15000	15000
14	K	Factory Overheads Cash Required (I-J)	103480	115600	130200	144200
15						

- Product Cost Analysis:

Cost Analysis



Cost Centre	Annual Cost
Parts & Materials	\$ 1,325,000.00
Manufacturing Equipment	\$ 900,500.00
Salaries	\$ 575,000.00
Maintenance	\$ 395,000.00
Office Lease	\$ 295,000.00
Warehouse Lease	\$ 250,000.00
Insurance	\$ 180,000.00
Benefits & Pensions	\$ 130,000.00
Vehicles	\$ 125,000.00
Research	\$ 75,000.00

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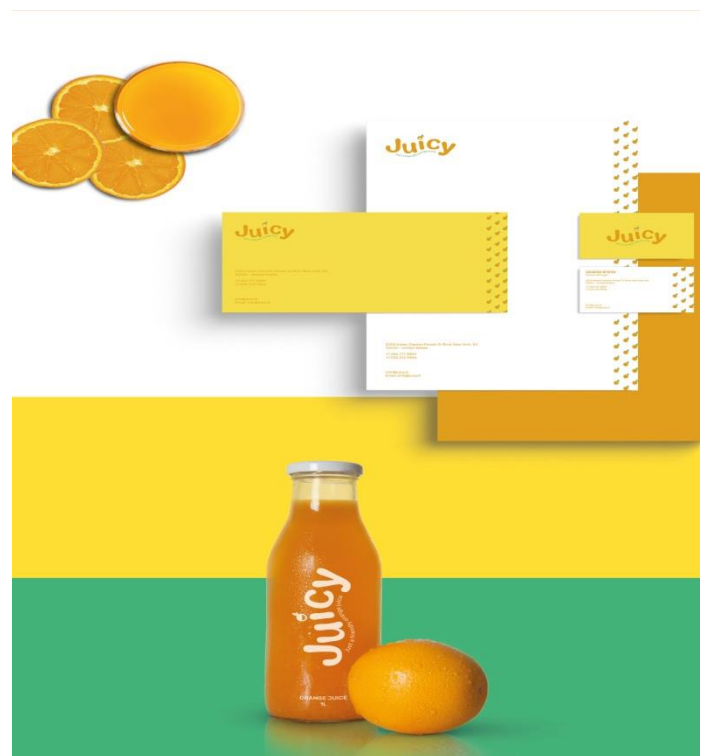
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Chapter: Five

ERP Software Implementation for New Business

5.1 Automation of ERP Software implementation for new business:

Now-a-days food industries are growing in Bangladesh very fast. A new product development for a company is a big challenge. So, most of the company is use ERP software for developing new product. Just Juicy Beverage Limited wants to introduce a new type of Orange juice in Bangladesh market. Just Juicy Beverage Limited buy ERP software for develop their new product. At first they develop their new product Orange Juice the follow ERP software module:



R&D Formulation: Just Juicy Beverage Limited develops a new Orange Juice that has many health benefits. In Bangladeshi market have huge demand for healthy orange juice. Just Juicy collect their raw materials from China. China is a best quality orange supplier. Bangladesh has many types of mango juice but does not produce best quality orange juice. Just Juicy Beverage Limited will offer a best quality orange juice with reasonable price. Just Juicy Beverage Limited

has special research team and laboratory with updated technology. The special research team always ensures three step testing methods for developing best quality orange juice.

Production: Just Juicy Beverage Limited production line maintains a batch management and costing method to improve their production line. It helps to indentify the batch code number for production unites. That helps us to identify and control production line. For controlling batch manufacturing recodes Just Juicy heavily use ERP software. Batch manufacturing recodes are very critical information for any production line. So Just Juicy maintains their batch manufacturing recodes using ERP software. Another important factor for product is quality control. Just Juicy Beverage Limited maintains quality control by using testing methods.

Planning: Planning is the important part of management process. Production planning is also an important factor for any manufacturing company. Just Juicy beverage limited collects their raw materials from China. Production machineries and technology comes from Japan. Just Juicy beverage limited offers different types and different size of orange Juice pack. All the production processes are maintained by ERP software. It also includes maintenance process like machinery implement, design upgrades, new process etc. By maintenance forecasting date Just Juicy beverage limited keeps their historical data following historical matrix process.

Inventory: Inventory management is an important part for any successful business operation. If company does not maintain their inventory better then the company can't make their product available for the customer. Just Juicy beverage limited maintains their inventory by ERP software. Mobile warehouse management is the fastest way to maintain inventory. Company can easily access and manage their inventory with the help of mobile warehouse management. Another process is physical count. After doing physical counts Just Juicy beverage limited input all the information in ERP software for managing inventory. Bin management also an important part of successful production operation. Just Juicy beverage limited also maintains their bin management process by ERP software. Receptacle the board considers stock to be gotten at the

stockroom and set aside into favored canisters inside the rack arrangement of the distribution center for simple process.

Sales & Procurement: This part is very important for develop the business. Supplier management is very focus in every business. Because of many suppliers related for business growth day by day. Company ensures the supplier contract terms; pay rate and point of contract must manage. Just Juicy beverages limited Suppliers maintain also ensure the relationship management, assign job, evaluating performance and ensuring the payment etc. Supplier use ERP software for distribution can be all over the Bangladesh. Just juicy beverages limited customer management develops the relationship with customer and people. Always connected with the customer and try to help the customer need any kind of information Just Juicy beverages can try to give the information. Just Juicy beverages limited sales management develops sales force, increasing sales and target can be achieve the company.

Finance & Accounting: Finance & Accounting is the major part of the ERP software using Just Juicy Beverages Limited. This part company use QuickBooks accounting software maintains the all records & statement. Because of globally this software in very popular. Just Juicy Beverages Limited also maintains the ERP programming utilizing General Ledger, Accounts payable, Accounts Receivable and Contra Accounts. For this software using company Finance & Accounts department easily show the report & statement records. Accounts department always maintain Cash flow for increase and decrease the company profit.

Costing: Juicy Beverages Limited finance department using ERP software for identify the details product cost, product cost summary and product analysis. Because of ERP Software using easily identify the cost of the product. Early report can be analysis the actual cost.

5.2 Conclusion

Automation of ERP software using Silva Pharmaceuticals Limited is very upgrade technology and full complete solution for this company. ERP software is most popular software for pharmaceuticals industry. Many companies use this software and growth their business. This software helps the company employee when they can needs any kind of information they can easily find this and show this report. ERP software develops the business in our country. Many industries can use this technology. Silva Pharmaceuticals Limited follows the ERP Module and their IT department always maintains this software.

In Future Bangladeshi industry develop the automation technology for every business sector. ERP technology is the complete solution pack for a company. This software using business can growth and upgrade technology increase the business? ERP Module helps the company management for any kind of business information easily identify.

Now-a-days business in most important part in the world, so every business industry technology is upgrade and secured. So Automation on ERP software improves our business industry.

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