



Daffodil
International
University

Industrial Internship

At

Raspberry ERP System

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Approval

This **Project** titled “**Industrial Internship at Raspberry ERP system**”, submitted by **Md. Adnin Masrif**, ID-161-35-1530 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc in Software Engineering and approved as to its style and contents.

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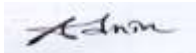
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DECLARATION

I hereby declare that this project report entitled “**Industrial Internship at Raspberry ERP System**” is the record of my original work under the supervision of **Md. Shohel Arman**, Lecturer, Department of Software Engineering. I also declare this report any part of this report has never been submitted anywhere else for award of any degree or diploma.

Submitted By:

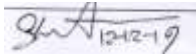


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ACKNOWLEDGEMNET

The achievement of this Internship report is for the association of number of individuals without whom it would have been extreme enough for me to achieve. It is troublesome for me to thank every one of those individuals who have some commitment in this report. Be that as it may, there are some extraordinary individuals those are must to be referenced.

As a matter of first importance, I might want to thank my fair **Dr. Touhid Bhuiyan**, Professor and Dept. Head of Software Engineering, DIU. I am appreciative to him for his constant help, supervision and recommendation and giving me important data that was particularly required for me to finish this report.

At that point, I offer my earnest thanks to **Md. Shohel Arman**, Lecturer, Dept. of Software Engineering, for her supervision and her earnest help.

I was additionally always bolstered by a portion of my decent instructor of my workforce who showed me diverse parts of the division. I am exceptionally appreciative to every one of the general population who made this report conceivable.

Finally, I might want to state that from this temporary position program I trust the experience that is accumulated will help me later on.

LETTER OF TRANSMITTAL

Dec 12, 2019

To

Md. Shohel Arman

Lecturer

Department of Software Engineering

Daffodil International University

Subject: Submission of the Internship Report.

I am submitting my internship report on “Industrial Internship at Raspberry ERP System” as it is a partial requirement of the internship course under SWE program.

I would like to thank you for assigning this report as it provided me the opportunity to venture into the real life scenario and broaden my understanding on the Administration system of a company. I hope that my work comes up to the level of your expectation.

It will be my pleasure to answer any queries you have.

Sincerely Yours,

Md. Adnin Masrif

ID: 161-35-1530

Department of Software Engineering

EXECUTIVE SUMMARY

As part satisfaction of my Internship I picked this stage since I figure this could satisfy my energy and it will give a constructive outcome on my future. I am exceptionally grateful to Kovair Software Bangladesh Limited (KSBL) for offering the internship and deputing me at Raspberry ERP project.

Kovair Software Bangladesh Limited (KSBL) is a Joint Venture of Kovair Software Inc. A Silicon Valley-based Software Product Company specializing in the domain of adapters/connectors for ALM/SDLC tools and Integrated Application Lifecycle Management (ALM) solutions and IT Service Management–ITSM Solutions. Kovair aims to make the software development process faster, better, and collaborative anytime, anywhere by using any tool, platform, and technology to foster collaboration, automate workflow and improve product quality, thereby ensuring successful delivery. Kovair caters to the software development industry across various B2B verticals – BFSI, Networking, Manufacturing, Defense, Telecom, IT consulting and more.

Raspberry ERP is a startup formed recently by a team that has several years of experiences. It is an extremely configurable solution that mainly targeting for an advance level ERP software with IOT, AI and production automation supporting data analytics driven business decision to the taken by the clients of the software.

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CHAPTER 1: INTRODUCTION

1.1 Background

Internship opportunity provides the students a great chance to relate their theoretical knowledge with the competitive and tough in real job market environment. Moreover, if the internship period is within the bachelor program, students can receive a better experience during the period of internship and develop their skill during the internship which help them to gain a more sound academic result and industry experience. During the internship the students get opportunity to prepare himself/herself for industry and their better future career.

Daffodil International University provides that glorious opportunity to their students of having an internship within their bachelor program. I am one of few luckiest student who got the chance to complete my internship. With having a job count of zero, I joined Kovair Software Bangladesh Limited (KSBL) and deputed to Raspberry ERP as an intern. The expectations were high and now almost nearing the end of my internship I must admit that it was really a wonderful experience.

1.2 Objective

This report has been prepared as a requirement of the internship program of the degree Bachelor of Science in Software Engineering. The report will definitely enrich the knowledge of students from upcoming batches regarding the workplace environment. Using that knowledge they may prepare themselves appropriately for their future internship. In addition to that, the report is intended to reflect my achievements, project works and professional growth during the intern period. Besides, anybody looking for a short detail about Raspberry ERP project may find this report useful.

The report is designed to meet specific goals. Its goal is to:

1. The introduction of the organization, including the standard following here
2. Leading products of the organization
3. Description about the team where I work
4. A detailed description of responsibilities
5. As an intern achievement, focusing on non-academic achievements.
6. To know about the problems faced in the software industry
7. To know how these problems are solved
8. To know the coding style and conventions of the industry
9. To go through the development cycle and models
10. Working with documentation and customization
11. Understanding software maintenance

1.3 Scope

This report is made only for academic purpose and to fulfill the requirement for industrial attachment. This report has covered the direct and indirect aspects of software industry and their challenges. This report gives an insight of the experience that I achieved from my workplace. A brief description of Raspberry ERP project is included so that other students can get to know about the company and may decide whether it is suitable for them or not. If internships are about gathering skills then projects are the main way of gathering them. Till writing this report I have worked on several modules along with the core team and my teammates of the project and helped in developing the ERP components of the project. The tasks, timeline and results of those specific projects are included for a better visualization of industry standard projects.

CHAPTER 2: COMPANY OVERVIEW

2.1 History

In the beginning of 2018, Raspberry ERP Pvt. Ltd started their journey to develop this project which is a startup private company formed recently by a team that has several years of experiences.

2.2 Vision and Mission

The project is targeted for an advanced level ERP software with IOT, AI and production automation supporting data analytics driven business decision to be taken by the clients of the software. My objectives were specific to learning and using the SDCL phases in an industrial project and understand the implementation of such phases and their outputs with tools and technology. Our goal is to achieve supreme quality in our techniques of work because we believe it is the key to earn our clients' enthusiasm through continuous improvement driven by the honor, goodwill, teamwork and innovation of our people.

2.3 Location

White House Apartment, Flat-4D, AC-261/1, Rabindra Pally, Kestopur, Rajarhat, Gopalpur (M), North 24 PGS, Kolkata, West Bengal, India

2.4 Partner

Kovair Software Pvt. Limited

2.5 Products

In today's world, the organizations depend heavily on technology to keep business operations connected, drive revenue and support ever growing customer demands. Undoubtedly, Information Technology is the key to manage technology and it spans wide variety of areas that include but are not limited to things such as computer software, information systems,

programming languages, database management systems and networking. Keeping these in minds Raspberry ERP Pvt. Ltd provides an impressive tally of solutions and products. They are:

1. Genfacto ERP (for entry level)
2. Raspberry ERP (For Enterprise)
3. LinKus (IOT solution)

CHAPTER 3: COMPANY CULTURE AND CARRYING OUT

3.1 Development Team Overview

During the internship period I've worked with the core development team of the project. In that development team, has one team lead. Everything is done under his supervision. Development team has some rules and regulation and everyone try to maintain it. Each and every employee of the team try to contribute their work and knowledge or ideas to develop this project.

3.2 Working Environment and protocol

During my internship period I've worked on two different offices in two different countries. First month of the internship I've worked in Dhaka, Bangladesh, after that rest of my internship period I've worked in Kolkata, India. Both Office has a great environment. I believe that a good environment makes employees more productive. During this period I've realized that an environment is very helpful to perform best. The overall environment of Raspberry ERP Pvt. Ltd is very comfortable to work.

3.3 Rules and Regulation

1. Must have the approval of the Daily, Weekly, Monthly Plan before start of them
2. Planning must be completed by 12.55 PM and get approved by team lead on Friday by 12 PM
3. Strictly no meeting or talk in the work room
4. In work room, work only anything else 50tk fine
5. Minimum combined working hours (work only) must be 7 hours
6. No mobile except in the mobile room
7. Clean your own area and items daily
8. All communication / instructions must be from the official email and written
9. Every tasks 100% in writing any oral request not acceptable
10. All interviews on Fridays only and 9-11
11. All office property must be left in the office before leaving the office
12. Max email or enquiry response time = 5 minutes
13. All purchases must be before 11am
14. All new recruits 3 days Training , 2 Days supervised work by team members
15. You must create 100% clear tasks before starting of the day
16. You must complete all the tasks and get approval from team leader before you leave

office
17. All phones must be in flight mode/ fully silent in the work room
18. Team lead must create a work manual for each and every service we provide
19. All Decision must be discussed, finalized, approved by management
20. Everything is self-service (Cleaning your working area, dishes, making tea, or coffee)
21. No corporate politics, if found spot termination without any discussion

3.4 Facilities

1. 2 days weekend
2. Yearly 2 increments
3. 2 festival bonus
4. Performance Bonus
5. Team of the month
6. Employee of the month

3.5 Professional Environment

Although internship is a part of our study, the environment of an industrial company and our classroom setting has a huge different. It is not that easy to adapt a professional environment. I have to maintain some code of conducts that was different from the academia. The professional environment is not as normal as I expected. Professionalism, one of key code helped me a lot to adapt with professional environment and also environment of Raspberry ERP Pvt. Ltd was quite friendly. The people around and my team me was also very friendly to me.

3.6 Office Culture

Office culture of Raspberry ERP Pvt. Ltd is one word excellent. It has very friendly working environment every day there has a tiffin and refreshment break and has lots of entertainments elements to fresh our mind

3.7 First Day at Office

The first day at Raspberry ERP Pvt. Ltd is a memorable day for me. I was nervous about how the company would be, what would be the culture of the company, how they would behave with me. I was told to go to office at 9.00 pm and I went there before this time. When I reached in the company, one of the senior Actually the Director of Kovair Software Pvt. Ltd, Mr. Shibaji Gupta met with me and talked with me. Then, another senior and my team Lead, Bodhisattawa Chakraborty come to near me and welcomed me. I felt a little bit easy after I met with them. When I was seated in the discussion room then the HR of the company came and welcomed me, she went through my Curriculum Vitae and talked with me about several issue. I thought they would ask a lot of question to me. But she only asked some simple about my travelling to India and how was my accommodation then and if I have any problem staying in India. Then she showed me every room of the company and my seat. She also introduced me to other employees and all of the employees said hello to me with a smiling face.

CHAPTER 4: TECHNOLOGY EMPLOYING

4.1 Tools in Use

1. Kovair – ALM Studio is an ALM platform which is used for requirement to release management.
2. Genfacto Platform is an ERP platform which is used to design the UI
3. Kovair Platform is used to configure the business logics of the ERP System Integrator
4. Selenium is used to prepare automation test cases.

4.2 Technology in Use

1. HTML – 5
2. Bootstrap
3. JavaScript
4. Angular JS
5. SQL Server

4.3 Logistic Support

4.3.1 Daily allowance in Bangladesh

4.3.2 Daily allowance, transport cost, accommodation cost in India

CHAPTER 5: PROJECT EXERTION

5.1 Training knowledge

At the beginning of the project I got a brief about the project. I got to know what is ERP and how its's modules works. Then I they give me a brief about its technical side knowledge and its theoretical side knowledge. My company believes that a developer must know what he/she develops. They ask me what are my lacking on the behalf of technical side requirement. They assured me to help on those topics.

5.2 Project(Raspberry ERP)

5.2.1 Project Requirements

An ERP is mainly consist of these modules:

1. Accounting
2. Inventory
3. Purchase
4. Sales
5. Warehouse
6. Supply Chain Management

I've got brief knowledge about the Purchase module of ERP. Then they deputed me to work on Inventory module. The first and most important portion of Inventory is Stock Item, Stock Group and Stock Category. So, I gathered knowledge about them first and collect the requirements.

5.2.2 Work on the Requirement

For developing the inventory module we decided how we can manage the stock item of any company. There were some steps to complete the task. The tasks are given below:

1. Planning
2. Design
3. Development
4. Testing
5. Deploy

5.2.3 Challenges

It was my very first project on an industry. So I was facing so many problems which were professionally solved with the help of our industrial supervisor.

5.2.4 Technical Findings

The UI side is mainly done through the tool. So at first I faced some problem while using the tool. Then I've faced some problem while implementing the logical side because firstly I haven't used Angular.js much before and secondly they're using a custom framework to write and implement the code through the tool.

5.2.5 Completion & Delivery

Because of having technical and less knowledge about the tool, it took some extra time to deliver my first production. I took about 15 odd days to deliver my first production. But because of this extra time I got more knowledge about the tool.

5.2.6 User Interface : Inventory Gateway

Configurations	Transaction Vouchers
Inventory Settings Inventory Voucher Settings Printing	Stock Transfer Journal Manufacturing Journal Physical Stock Verification Good Receipt Good Delivered Rejection In Rejection Out Material In Material Out
Masters	Display
Stock Group Stock Category Stock Item Location / Go down Unit Of Measure Bill Of Material Voucher Type and Group Tax Rate Setup	Stock Summary Stock Item Stock Item Batch wise Location / Go down summary Movement Analysis Ageing Analysis Reorder Status

5.2.6.1 User Interface : Stock Group

Stock Groups

Search		Q Search		Actions		+ Add	/ Edit	Delete
<input type="checkbox"/>	Name	Alias	Under	UOM				
<input type="checkbox"/>	Consumable Materials	CONS		Piece				
<input type="checkbox"/>	Services	DIEN		Piece				
<input type="checkbox"/>	Trading goods	HAWA		Gram				
<input type="checkbox"/>	Spare Parts	ERSA	Trading goods					
<input type="checkbox"/>	Finished products	FERT						
<input type="checkbox"/>	Production resources/tools	Production resources/tools						
<input type="checkbox"/>	Semifinished products	Semifinished products	Services					
<input type="checkbox"/>	Operating supplies	Operating supplies						
<input type="checkbox"/>	Books and Journals	Stationary Items	Finished products	Piece				
<input type="checkbox"/>	Spare Parts2	tree	Services					

5.2.6.2 User Interface : Add Stock Group

Add Stock Group

Name ★

Alias

Under

Should Quantities of Items Be Added

UOM ★

5.2.6.3 User Interface : Add Multiple Stock Group

Add Multiple Stock Groups

Group

Stock Group

Stock Group Collection

Name ★	Alias	Group	Quantities Of Item Added
<input type="text" value="Name"/>	<input type="text" value="Alias"/>	<input type="text" value="-- Group --"/>	<input type="checkbox"/> Quantities Of Item Added <input type="button" value="✕"/>
<input type="text" value="Name"/>	<input type="text" value="Alias"/>	<input type="text" value="-- Group --"/>	<input type="checkbox"/> Quantities Of Item Added <input type="button" value="✕"/>
<input type="text" value="Name"/>	<input type="text" value="Alias"/>	<input type="text" value="-- Group --"/>	<input type="checkbox"/> Quantities Of Item Added <input type="button" value="✕"/>

5.2.6.4 User Interface : Add Stock Item Type

Add Stock Item Type

Title ★

Industry Sector ★

Material Stock Category

5.2.6.5 User Interface : Stock Categories

Stock Categories

Search		Q Search		Actions		+ Add	/ Edit	Delete
<input type="checkbox"/>	Name	Alias	Under	UOM				
<input type="checkbox"/>	Mobile Phone	Phone						
<input type="checkbox"/>	Symbian Phone	Feature	Mobile Phone					
<input type="checkbox"/>	demo2	demo33	Mobile Phone					
<input type="checkbox"/>	TEST13	TestAlias3	demo2					
<input type="checkbox"/>	Sony Tv			Piece				
<input type="checkbox"/>	Mi 2	Xiaomi x2	Sony Tv	Piece				
<input type="checkbox"/>	Mobile Phone xyz		Symbian Phone					
<input type="checkbox"/>	ccvnmnm	bbbbnm	Mobile Phone	Piece				
<input type="checkbox"/>	ssss	vmrh	Sony Tv	Piece				

Rows per page: 10 1

5.2.6.6 User Interface : Add Stock Categories

Add Stock Categories

Name *

Alias

Under

Quantities of Item Added

UOM

- Doseit
- Piece
- Meter
- Gram
- MOLE
- CANDELLA

5.2.6.7 User Interface : Add Stock Items

Add Stock Item

5.2.6.8 User Interface : Stock Items Master

Stock Items

Search Q Search Actions [+ Add](#) [/ Edit](#) [Delete](#)

<input type="checkbox"/>	Stock Item Name	Base Unit		
<input type="checkbox"/>	PEN BODY			
<input type="checkbox"/>	SHIRT			
<input type="checkbox"/>	CAP	Gram		
<input type="checkbox"/>	Laptop	Piece		
<input type="checkbox"/>	Mobile	Gram		
<input type="checkbox"/>	Mouse			
<input type="checkbox"/>	KeyBoard			

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5.2.6.9 User Interface : Stock Item Master:Basic

Basic Controls Op Bal Sales Purch WHSE FR Trade Store Work MRP Acc. PRT Quality

Costing BOM Warranty

False

Base Unit -- Base Unit --	Lab / Office -- Lab / Office --
Old Material Number Old Material Number	Valid From Valid From
Division -- Division --	Stock Type Pharma
X Plant Material Status -- X Plant Material Status --	Industry Sector Medicine
Material Group -- Material Group --	Material Item Category -- Material Item Category --
Category -- Category --	

5.2.6.10 User Interface : Stock Item Master:Basic

Dimensions / EANs	
Gross Weight <input type="text" value="Gross Weight"/>	Net Weight <input type="text" value="Net Weight"/>
Gross Unit <input type="text" value="-- Gross Unit --"/>	Size / Dimension <input type="text" value="Size / Dimension"/>
Volume <input type="text" value="Volume"/>	EAN / UPC Number <input type="text" value="EAN / UPC Number"/>
Volume Unit <input type="text" value="-- Volume Unit --"/>	EAN Category <input type="text" value="-- EAN Category --"/>

Packaging Data	
Material Group Packaging Material <input type="text" value="-- Material Group Packaging Material --"/>	Ref. Material Group For Packaging <input type="text" value="-- Ref. Material Group For Packaging --"/>

Design Document	
Document Number <input type="text" value="-- Document Number --"/>	Document Channel No <input type="text" value="Document Channel No"/>
Document Version <input type="text" value="Document Version"/>	Page Format <input type="text" value="Page Format"/>
Document Type <input type="text" value="-- Document Type --"/>	No of Sheets <input type="text" value="No of Sheets"/>
Page No <input type="text" value="Page No"/>	Attachment <input type="button" value="Upload files..."/>

Client Configuration	
Cross Plant CM <input type="text" value="-- Cross Plant CM --"/>	<input type="checkbox"/> Material is Configurable

5.2.6.11 User Interface : Stock Item Master :Controls

Add Stock Item

Stock Item No

Stock Item Name

Alias

Description

Basic Controls Op Bal Sales Purch WHSE FR Trade Store Work MRP Acc. PRT Quality

Costing BOM Warranty

Costing Method

Market Valuation Method

Is Tax Applicable ?

Allow Altering Tax Details

Use Expiry Dates

Maintain in Batches

Set Standard Rate

Ignore Negative Balances

Ignore Difference Due to Physical Counting

Treat All Sales as New Manufacture

Treat all Rejections Inward as Scrap

Track Date of Manufacturing

Use Expired Batches During Voucher Entry

Treat all Purchase as Consumed

Enable Cost Tracking

5.2.6.12 User Interface : Stock Item Master : Opening Balance

Add Stock Item

Stock Item No

Stock Item Name

Alias

Description

Basic Controls Op Bal Sales Purch WHSE FR Trade Store Work MRP Acc. PRT Quality

Costing BOM Warranty

Quantity	Rate Per	Value
<input type="text" value="Quantity"/>	<input type="text" value="Rate Per"/>	<input type="text" value="Value"/>

5.2.6.13 User Interface : Stock Item Master : Sales

[Basic](#)
[Controls](#)
[Op Bal](#)
[Sales](#)
[Purch](#)
[WHSE](#)
[FR Trade](#)
[Store](#)
[Work](#)
[MRP](#)
[Acc.](#)
[PRT](#)
[Quality](#)

[Costing](#)
[BOM](#)
[Warranty](#)

False

<p>Sales Org -- Sales Org --</p> <p>Base UOM -- Base UOM --</p> <p>Net Weight <input type="text"/> Net Weight</p> <p>Sales Unit -- Sales Unit --</p> <p>Sale to Channel -- Sale to Channel --</p> <p>X-Disctr. Chain Status X-Disctr. Chain Status</p> <p>D Chain spec. Status D Chain spec. Status</p> <p>Delivering Plant Delivering Plant</p> <p><input type="checkbox"/> Batch Management</p>	<p>Stock Group -- Stock Group --</p> <p>Sales Material Status -- Sales Material Status --</p> <p>Gross Weight <input type="text"/> Gross Weight</p> <p>Stock Freight Group -- Stock Freight Group --</p> <p>Valid Form <input type="checkbox"/> Valid Form <input type="button" value="X"/></p> <p>Valid From <input type="checkbox"/> Valid From <input type="button" value="X"/></p> <p>Replacement Part Replacement Part</p> <p>Qual.f.FreeGoodsDis. Qual.f.FreeGoodsDis.</p> <p><input type="checkbox"/> Variable Sales Unit</p>
---	--

Tax

Tax Data
-- Tax Data --

Qty Stipulation

<p>Minimum Order Qty <input type="text"/> Minimum Order Qty</p> <p>Minimum Delivery Qty <input type="text"/> Minimum Delivery Qty</p>	<p>Delivery Unit -- Delivery Unit --</p>
---	--

Grouping

<p>Commission Group -- Commission Group --</p> <p>Volume Rebate Group -- Volume Rebate Group --</p> <p>Material Pricing Group -- Material Pricing Group --</p>	<p>Sales A/C Group -- Sales A/C Group --</p> <p>General. Item Cat. Group -- General. Item Cat. Group --</p> <p>Item Category Group <input type="text"/></p>
--	---

5.2.6.14 User Interface : Stock Item Master : Sales

Sales Shipping

Transportation Group -- Transportation Group --	Loading Group -- Loading Group --
Setup Time Setup Time	Base Qty Base Qty
Proc. Time Proc. Time	

Packaging

Matl Grp Pack Mats
Matl Grp Pack Mats

Plant Parameters

Profit Center
Profit Center

Neg Stocks

Cancel Save

5.2.6.15 User Interface : Stock Item Master : Purchase

Basic Controls Op Bal Sales Purch WHSE FR Trade Store Work MRP Acc. PRT Quality

Costing BOM Warranty

General

Base UOM -- Base UOM --	Stock Group -- Stock Group --
Order Unit -- Order Unit --	Stock Freight Group -- Stock Freight Group --
Purchase Material Status -- Purchase Material Status --	Purchasing Group -- Purchasing Group --
Purchase Valid From Purchase Valid From	<input type="checkbox"/> Tax Indicator
<input type="checkbox"/> Purchase Variable Order Unit	<input type="checkbox"/> Quality for discounts in kind
<input type="checkbox"/> Batch Management Indicator	<input type="checkbox"/> Auto Purchase Order

Purchase Value Key	
Purchasing Value Key -- Purchasing Value Key --	1st Rem. / Exped. (Days) 1st Rem. / Exped. (Days)
2nd Rem. / Exped. (Days) 2nd Rem. / Exped. (Days)	3rd Rem. / Exped. (Days) 3rd Rem. / Exped. (Days)
Underdelivery Tolerance Underdelivery Tolerance	Over Delivery Tolerance Over Delivery Tolerance
Minimum Delivery QTY % Minimum Delivery QTY %	Standard Value Delivery Date Standard Value Delivery Date

Values & Other Data	
Inspection Time Inspection Time	<input type="checkbox"/> Source List
Gr Process time Gr Process time	<input type="checkbox"/> Post To Inspection Stock
<input type="checkbox"/> JIT Schedule Indicator	<input type="checkbox"/> Critical Path
	<input type="checkbox"/> Quata Arrangement

5.2.6.16 User Interface : Stock Item Master : Warehouse

Warehouse -- Warehouse --	Storage Type -- Storage Type --
False	
Base Unit -- Base Unit --	Gross Weight Gross Weight
WM Unit -- WM Unit --	Gross Unit -- Gross Unit --
Unit of Issue -- Unit of Issue --	Volume Volume
Proposed UOM -- Proposed UOM --	Unit -- Unit --
Picking Storage Type -- Picking Storage Type --	<input type="checkbox"/> Batch Management
Storage Bin	
Storage Bin -- Storage Bin --	Picking Area -- Picking Area --
Maximum Bin Qty Maximum Bin Qty	Control Qty Control Qty
Minimum Bin Qty Minimum Bin Qty	Replenishment Qty Replenishment Qty
Rounding Qty Rounding Qty	

5.2.6.17 User Interface : Stock Item Master : Foreign Trade

Basic Controls Op Bal Sales Purch WHSE **FR Trade** Store Work MRP Acc. PRT Quality

Costing BOM Warranty

False

Company Code Number

Origin
 Country of Origin

Legal Control
 Exemption Certificate
 Certificate Number

5.2.6.18 User Interface : Stock Item Master : Storage

Basic Controls Op Bal Sales Purch WHSE FR Trade **Store** Work MRP Acc. PRT Quality

Costing BOM Warranty

False

Base Unit <input type="text" value="-- Base Unit --"/>	Picking Area <input type="text" value="-- Picking Area --"/>
Storage Bin <input type="text" value="-- Storage Bin --"/>	Label Type <input type="text" value="-- Label Type --"/>
Temperature Condition <input type="text" value="-- Temperature Condition --"/>	Label From <input type="text" value="-- Label From --"/>
Container Requirement <input type="text" value="-- Container Requirement --"/>	Unit of Issue <input type="text" value="-- Unit of Issue --"/>
Storage Condition <input type="text" value="-- Storage Condition --"/>	Number of GR Slips <input type="text" value="Number of GR Slips"/>

Batch Management

Shelf Life Data

Maximum Storage Period <input type="text" value="Maximum Storage Period"/>	Time Unit <input type="text" value="-- Time Unit --"/>
Minimum Remaining Shelf Life <input type="text" value="Minimum Remaining Shelf Life"/>	Total Shelf Life <input type="text" value="Total Shelf Life"/>

Weight / Volume		Net Weight	
Gross Weight <input type="text" value="Gross Weight"/>	Gross Weight	Net Weight <input type="text" value="Net Weight"/>	Net Weight
Weight Unit <input type="text" value="-- Weight Unit --"/>		Size / Dimension <input type="text" value="Size / Dimension"/>	
Volume <input type="text" value="Volume"/>	Volume	Volume Unit <input type="text" value="-- Volume Unit --"/>	

General Plant
 Negative Stock in Plant

5.2.6.19 User Interface : Stock Item Master : Work Scheduling

Add Stock Item

Stock Item No:

Stock Item Name:

Alias:

Description:

Basic Controls Op Bal Sales Purch WHSE FR Trade Store **Work** MRP Acc. PRT Quality

Costing BOM Warranty

False

Sales Unit:

Production Time

Setup Time (Minutes):

Base Quantity:

Interpolation Time (Minutes):

Lot Size Dependent

Process Time (Minutes):

5.2.6.20 User Interface : Stock Item Master : MRP

Basic Controls Op Bal Sales Purch WHSE FR Trade Store Work **MRP** Acc. PRT Quality

Costing BOM Warranty

General

UOM:

MRP Group:

Purchasing Group:

Valid Form:

Plant-Sp.Matl Status:

ABC Indicator:

Procedure

MRP Type:

Planning Time Fence:

Planning Cycle:

Reorder Point:

MRP Controller:

5.2.6.21 User Interface : Stock Item Master : MRP

Lot Size

Lot Size -- Lot Size --	Maximum Stock Level Maximum Stock Level
Maximum Lot Size Maximum Lot Size	Ordering Cost Ordering Cost
Assembly Scrap (%) Assembly Scrap (%)	Storage Costs Ind. Storage Costs Ind.
Fixed Lot Size Fixed Lot Size	Unit of Measures Group -- Unit of Measures Group --
Rounding Profile Rounding Profile	

Procurement

Procurement Type -- Procurement Type --	Batch Entry
Special Procurement Special Procurement	Prod. Stor. Location Prod. Stor. Location
Quota Arr. Usage Quota Arr. Usage	Default Supply Area Default Supply Area
Backflush Backflush	Storage Loc. for EP Storage Loc. for EP
<input type="checkbox"/> Stock Det. Grp	<input type="checkbox"/> Bulk Material
<input type="checkbox"/> Co-Product	

Scheduling

In House Production In House Production	Planned Deliv. Time Planned Deliv. Time
GR Processing Time GR Processing Time	Planning Calendar Planning Calendar
Sched. Margin Key Sched. Margin Key	

Net Requirements

Safety Stock Safety Stock	Service Level (%) Service Level (%)
Safety Time/ Act.Cov. Safety Time/ Act.Cov.	Safety Time Ind. Safety Time Ind.
Coverage Profile Coverage Profile	STime Period Profile STime Period Profile

5.2.6.22 User Interface : Stock Item Master : MRP

Planning Strategy Group <input type="text" value="-- Strategy Group --"/>		Bwd Consumption Per. <input type="text" value="Bwd Consumption Per."/>	
Consumption Mode <input type="text" value="Consumption Mode"/>		Planning Plant <input type="text" value="-- Planning Plant --"/>	
Fwd Consumption Per. <input type="text" value="Fwd Consumption Per."/>		Mixed MRP <input type="text" value="-- Mixed MRP --"/>	
Planning Material <input type="text" value="Planning Material"/>		Plng Conv. Factor <input type="text" value="Plng Conv. Factor"/>	

Availability Availability Check <input type="text" value="Availability Check"/>		Tot. Rep. Lead Time <input type="text" value="Tot. Rep. Lead Time"/>	
<input type="checkbox"/> Cross-Project			

BOM Explosion Selection Method <input type="text" value="Selection Method"/>		Component Scrap (%) <input type="text" value="Component Scrap (%)"/>	
Individual Coll <input type="text" value="Individual Coll"/>		Requirement Group <input type="text" value="-- Requirement Group --"/>	
MRP Dep. Requirements <input type="text" value="MRP Dep. Requirements"/>			

Discontin. Ind. <input type="text" value="Discontin. Ind."/>		Discontinued Parts <input type="text" value="Discontinued Parts"/>	
		Follow-up Matl <input type="text" value="Follow-up Matl"/>	

Repetitive Manufacturing / Assembly / Deployment Strategy			
Repetitive Mtg <input type="text" value="Repetitive Mtg"/>		REM Profile <input type="text" value="REM Profile"/>	
Action Control <input type="text" value="Action Control"/>		Fair Share Rule <input type="text" value="Fair Share Rule"/>	
Push Distribution <input type="text" value="Push Distribution"/>		Deployment Horizon <input type="text" value="Deployment Horizon"/>	

SLoc MRP Indicator <input type="text" value="SLoc MRP Indicator"/>		Replacement Qty <input type="text" value="Replacement Qty"/>	
Spec. Proc. Type: SLoc <input type="text" value="Spec. Proc. Type: SLoc"/>		Recorder Point <input type="text" value="Recorder Point"/>	

Forecast Requirements Period Indicator <input type="text" value="-- Period Indicator --"/>		Fiscal Year Variant <input type="text" value="-- Fiscal Year Variant --"/>	
Splitting Indicator <input type="text" value="Splitting Indicator"/>			

Cancel Save

5.2.6.23 User Interface : Stock Item Master : Accounts

Basic Controls Op Bal Sales Purch WHSE FR Trade Store Work MRP **Acc.** PRT Quality

Costing **BOM** Warranty

False

Base Unit: -- Base Unit -- Valuation Category: -- Valuation Category --

Currency: -- Currency -- Current Period: Current Period X

Division: -- Division -- Price Determination

Current Valuation

Valuation Class: -- Valuation Class -- Sales Order Stock: Sales Order Stock

Stock Valuation Class: -- Stock Valuation Class --

Determination

Tax Price 1: -- Tax Price 1 -- Devaluation Title: -- Devaluation Title --

Tax Price 2: -- Tax Price 2 -- Price Unit: -- Price Unit --

Tax Price 3: -- Tax Price 3 --

Cancel Save

5.2.6.24 User Interface : Stock Item Master : Bill Of Material(BOM)

Basic Controls Op Bal Sales Purch WHSE FR Trade Store Work MRP Acc. **PRT** Quality

Costing **BOM** Warranty

Ledger Multi Component

Set Components BOM

Bom Name	BOM Market Valuation	Bom Status	Measurement Unit	BOM Costing Method
Bom Name	-- BOM Market Valuation --	-- Bom Status --	-- Measurement Unit --	-- BOM Costing Method --
Bom Name	-- BOM Market Valuation --	-- Bom Status --	-- Measurement Unit --	-- BOM Costing Method --

Ref. Stock Item *	Godown	Sales Unit *	Type of Item	Stock Item Rate	UOM	Qua
-- Ref. Stock Item --	-- Godown --	-- Sales Unit --	-- Type of Item --	Stock Item Rate	-- UOM --	

+ Add Component Item

+ Add BOM

5.2.6.25 User Interface : Stock Item Master : Warranty

Add Stock Item

Stock Item No <input type="text" value="Stock Item No"/>	Stock Item Name <input type="text" value="Stock Item Name"/>
Alias <input type="text" value="Alias"/>	Description <input type="text" value="Description"/>

Basic Controls Op Bat Sales Purch WHSE FR Trade Store Work MRF Acc. PRT Quality

Costing BOM Warranty

Warranty Type

Start At

End At

CHAPTER 6: EXPERIENCE AND ACHIEVEMENTS

6.1 Technological Enhancement

1. Javascript
2. HTML-5
3. SQL
4. BootStrap
5. JQuery

6.2 Non Technical

1. **Communication:**

Communication skill is an important aspect of leadership. I enrich my communication skill from my colleagues, I learned how to explain complex issues to colleagues and clients

2. **Responsibility:**

Punctuality was an important aspect of my entire internship phase. As most of my friends know me different in case of punctuality but at my Internship I was very much punctual.

3. Team Work:

Like a leadership, teamwork involves a combination of other soft skills. Working in a team with a common goal is the key to success which is understand when I worked in our team.

4. Self Confidence:

At the starting of my internship, I was less confident than as I am now. During Internship period, I was given some tasks. I completed all of them by my own. At the beginning of the beginning I made so many mistakes but from the mistakes I learned more and I can assure that same mistakes won't be repeated.

6.3 Achievements

What I have achieved from Raspberry ERP Pvt. during my internship period can be summarized by following:

- ❖ How real world tasks are actually executed.
- ❖ What actual professionalism means.
- ❖ Real life project and Challenges.
- ❖ Appreciate success, do not discourage for failure.
- ❖ Planning, Negotiations and Patience.

CHAPTER 7: CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

To conclude, I would like to say that, the experience and learning I have gathered from the whole internship program with Raspberry ERP Pvt. Ltd. was really important for me and I enjoyed the whole thing from the first day of my internship program. This internship program assisted me a lot to realize further for the coming future of mine. This study was utterly indicative for my future career. During the program, I have observed the overall activity of an Industrial project, Industrial environment and I have acquired plenty of understanding about those. I had great scope to match my theoretical knowledge with practical or existing system.

7.2 Recommendations

Before going to Raspberry ERP Pvt. Ltd, I did not know what fortunate means to be. But I am well aware of it now. In Raspberry ERP Pvt. Ltd, I got so overwhelming support from my colleagues that I can never forget. For that, I would like to express my whole-hearted gratitude to Shibaji Gupta and Bodhisattawa Chakraborty sir for giving their support and valuable time. I would strongly suggest to my younger for taking their intern and future at Raspberry ERP.

CHAPTER 8: REFERENCES

Reference 1: <https://www.kovair.com/>

Reference 2: <https://bd.kovair.com/>

Reference 3: <https://raspberryperp.com/>