

An Internship Report of Production (Pastry, Bakery & Biscuit)

Submitted to

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	Summary of work Description .Report of the Practical Training Received: Expression of Gratitude: Aim/Objective of the Training: Work description List: Works Description (In Details):

Particulars of the Trainee: -Name of the Trainee	: Md saiful islam					
-Course of the Study	: Industrial Attachment					
- Registration No.	: Batch No 20th					
-Identification No.	: 161-34-509					
-Name of the Institute	: Daffodil International University					
-Period of the Training	: 05-09-2018 to 28-07-2018					
-Letter of Reference.	:					
-Nominated Teacher						
Name	: Prof. Bellal Hossain					
Designation	: HEAD Department of Nutrition and Food Engineering(DIU)					

Particulars of the Training Industry:

-Name of the Industry : Navana Food limited.

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-Letter of Reference

-Nominated Person as Trainer

Name : Rafiqul Haque Designation: Head Chef(Pastry&Bakery)

Summary of work Description

Daily Activities Record of the Trainee in Following Performa:

Date &	Time			Name of Work		
Day						
01-10-2018	From	to	Total Hrs			
Monday	10:00	3:00	5	Introduction		
Activities: On the first day of my training I was very excited & somewhat nervous because of new environment & new people surrounding me. I hadn't any idea of what kind of people they are & it made me adjust myself with their personalities & attitudes. Before I introduced to our designated dept. Md.Maynul Islam (Section Manager of production) oriented me about the company rules & regulation.						
Name the Types of Works: it was an amazing day at factory. Staffs are very friendly and well mannered.						

Date & Day		Time			Name of Work	
03-10-2018 Wednesday	FromtoTotal Hrs10:003:005				Production Bakery	Name of Dept.
	Used Equipment's & Plants: Mixture machine, Stream machine, Oven ,Tray, Bared Mould etc. Production bakery					

Name the Types of Works: Check the properties of the standard of products, the Bared Temperature, Proper packaging

Sign. of Trainee

Date & Day		Time		Name of Work					
06-10-2018	6		Production Monitoring						
Saturday	10:00	3:00	5	_					
Used Equipment's & Plants:									
Name the Ty	pes of Wor	·ks:		Mould etc. Production bakery of products, the Bared temperature, Proper					
Date & Day Time Name of Work									
08-10-2018	From	to	Total Hrs	Production monitoring					
Monday			_						

08-10-2018	From	to	Total Hrs	Production monitoring
Monday	10:00	3:00	5	
Used Equipn Mixture mach machine. Production ba	iine, Stream		n ,Tray, Bun tro	lley. Bun divider machine. Sealing

Name the Types of Works:

Check the Hardening of products, Check the Product Test .

Sign. of Trainee

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Date & Day	Time			Name of Work				
10-10-2018 Wednesday	From	to	Total Hrs	Production Monitoring				
wednesday	10.00	3.00	5					
Used Equipment's & Plants: Mixture machine, Stream machine, Oven ,Tray, Bared Mould ,Bared slice machine. Production bakery								
Name the Types of Works: Check the dough , check the Proofing dough, check the temperature , check the packaging								

Date & Day	Time			Name of Work				
13-10-2018 Saturday	From	From to Total Hrs		Production Monitoring				
Saturday	10.00	3.00	5					
Used Equipment's & Plants:								
Mixture machine, Stream machine, Oven ,Tray, Weight Machine Production bakery								
Name the Types	of Works:							
• -		Proofing do	ough, check the	Measurement check the temperature , check				
the packaging.		U		-				

Sign. of Trainee

Date & Day		Time		Name of Work	
15-10-2018	From	to	Total Hrs	Production Monitoring	
Monday	10.00	3.00	5		
Production bake	ery				
Name the Type products, check		-	• ·	the Measurement, Maintain the standard of oper packaging	

Date & Day		Time		Name of Work
17-10-2018	From	to	Total Hrs	Production Monitoring
Wednesday	10.00	3.00	5	
Production bak	ery			
		-	-	the Measurement, Maintain the standard of oper packaging

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Sign. of Trainee

Date & Day	Time			Name of Work			
20-10-2018	From	to	Total Hrs	Production plan cake Monitoring			
Saturday	10.00	3.00	5				
Used Equipment's & Plants: Mixture machine, Oven, Tray, Cake mould , Weight Machine, brush , Proper packaging. Production pastry							
Name the Types of Works: Check the Hardening of products, Check the Mix, check the cook ,check the temperature ,							

Date & Day	Time		Name of Work				
22-10-2018	From	to	Total Hrs	Production cake M	onitoring		
Monday	10.00	3.00	5	-			
Used Equipment's & Plants: Mixture machine, Oven, Tray, Weight Machine, butter papar.							
Production pastry							
Name the Types	of Works:						
Check the mix , check the weight ,check the temperature , check the plan cake .							

Sign. of Trainee

Date & Day		Time		Name of Work	
24-10-2018	From	to	Total Hrs	Production cake Vanilla spong	
Wednesday	10.00	3.00	5	-	
Mixture machin Production pas		y, weight N	factime, dutter	r papar.	
Name the Type Check the mix			the temperatu	rre, check the color ,	

Date & Day	Time			Name of Work		
27-10-2018 Saturday	From	to	Total Hrs	Processing of Vanilla cake Decuration		
	10.00	3.00	5			
Used Equipment's & Plants: Cake bord , plan knife ,piping bag ,cake stand ,Caesar , butter cream . Production pastry						
Name the Types						
Check the cake size , check the Decuration, check the weight ,etc						

Sign. of Trainee

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Date & Day	Time			Name of Work
29-10-2018	From	to	Total Hrs	Production of the tia maria cake spong
Monday	10.00	3.00	5	
Used Equipment Mixture machine Production pastr	, Oven, Tra		Iachine, butter	papar.
Name the Types Check the mix , c temperature			the temperatur	e, check the color, Maintain the oven

Date & Day		Time		Name of Work
31-10-2018	From	to	Total Hrs	Processing of tia maria Decuration
Wednesday	10.00	3.00	5	
Used Equipme				

Used Equipment's & Plants:

Cake bord , plan knife ,piping bag ,cake stand ,Caesar ,

Production pastry

Name the Types of Works:

Check standard weight of ingredients, Check mixing,

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Sign. of Trainee

Date & Day	Time			Name of Work
03-11-2018	From	to	Total Hrs	Production chochoate fudge cake spong
Saturday	10.00	3.00	5	
Mixture machine Production pastr		Weight M	achine, butter	papar ,chochoate
Name the Types Check standard w		edients , C	heck mixing, (Check mix, Check the temperature

Date & Day	Time			Name of Work
05-11-2018	From	to	Total Hrs	Processing of chochoate fudge Decuration

Moday	10.00	3.00	5	
Used Equipment Cake bord , plan l			and .Caesar .	
Production pastry				
Troduction past	y			
Name the Types	of Works:			
Check standard w oven temperature		redients, C	Check mixing, C	Check the filling the mixing tank, Maintain the
oven temperature				
Sign. of Trainee	•			Sign. of Trainer
Date & Day		Time		Name of Work
07-11-201	From	Time	Total Hrs	Name of Work Biscuit Production Dry cake
	From 10.00		Total Hrs 5	
07-11-201 Wednesday Used Equipment	10.00 t's & Plants	to 3.00	5	
07-11-201 Wednesday	10.00 t's & Plants	to 3.00	5	
07-11-201 Wednesday Used Equipment	10.00 t' s & Plants , Oven, Tray	to 3.00	5	
07-11-201 Wednesday Used Equipment Mixture machine	10.00 t' s & Plants , Oven, Tray	to 3.00	5	
07-11-201 Wednesday Used Equipment Mixture machine Biscuit Productio Name the Types Check standard w	10.00 t's & Plants , Oven, Tray n of Works:	to 3.00	5 Iachine,	
07-11-201 Wednesday Used Equipment Mixture machine. Biscuit Productio Name the Types	10.00 t's & Plants , Oven, Tray n of Works:	to 3.00	5 Iachine,	Biscuit Production Dry cake

Date & Day	Time			Name of Work
10-11-2018 Saturday	From	to	Total Hrs	Biscuit Production Salt Biscuit
2 at all duly	10.00	3.00	5	~~~~~

Used Equipment's & Plants: Mixture machine, Oven, Tray, Weight Machine ,etc

Biscuit Production

Name the Types of Works: Check standard weight of ingredients

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Sign. of Trainee

Date & Day	Time			Name of Work	
12-11-2018 Monday	From		Biscuit Production Ishis Biscui		
	10.00	3.00	5		
Used Equipmen Mixture machine Biscuit Productio	e, Oven, Tra		Iachine, katar l	xnife, sesame	
Name the Types Check standard v			eck the mesura	rment,	

Date & Day	Time			Name of Work
14-11-20 Wednesday	From	to	Total Hrs	Desset Production browni
	10.00	3.00	5	

Used Equipment's & Plants: Mixture machine, Oven, Tray, Weight Machine

Name the Types of Works:

Check the test , check the color , check the soft ,check the oven

Desset Production

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Sign. of Trainee

Date & Day		Time		Name of Work
16-11-2018 Friday	From	to	Total Hrs	Dessert Production Muffen
Thday	10.00	3.00	5	
Used Equipmen	nt's & Plan	ts:	· ·	
Desset Production			x tank , oven, Conv	-
Name the Type Check standard			Check mixing Ch	eck the filling the mixing tank Maintain
• •	l weight of i		Check mixing, Ch	eck the filling the mixing tank, Maintain

Date & Day	Time			Name of Work
17-11-2018 Saturday	From	to	Total Hrs	Desset Production
	10.00	3.00	5	

Used Equipment's & Plants: Same As the previous day

Name the Types of Works: Same As the previous day

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Sign. of Trainee

Time			Name of Work			
	-	•				
From	to	Total Hrs	Production bakery			
10.00	3.00	5				
's & Plants	:					
Stream mac	hine, Oven	,Tray, . macl	hine			
7						
of Works:						
	10.00 's & Plants	Fromto10.003.00's & Plants: Stream machine, Oven 7	FromtoTotal Hrs10.003.005's & Plants: Stream machine, Oven ,Tray, . mach			

Date & Day	Time			Name of Work
	From	to	Total Hrs	Production bakery

21-11-2018	10.00	3.00	5		
Wednesday					
Used Equipmen	t's & Plan	ts:			
Nome the Type	of Wonlag				
Name the Types	S OL WOLKS				

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Sign. of Trainee

Date & Day	Time			Name of Work
24-11-2018 Saturday	From	to	Total Hrs	
Saturday	10.00	3.00	5	
Used Equipmen	t's & Plant	:s:		
Name the Types	of Works:			

Date & Day	Time			Name of Work
	From	to	Total Hrs	Date Coding

26- 11-2018	10.00	3.00	5
Monday			
Used Equipmen			
Coding Machine	,Busket,Rub	ober	
Coding Dlant			
Coding Plant			
Name the Types	s of Works:		
Monitoring the c			ging
matarial	e	1	00

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Sign. of Trainee

Date & Day	Time			Name of Work			
28-11-2018 Wednesday	From	to	Total Hrs	Stickering			
wednesday	10.00	3.00	5				
Used Equipment's & Plants: Hand Sanitizer, Hand Gloves, Stikering plant							
• -	Name the Types of Works:S.Check the manual stickering on the packaging materialFrank and the packaging						

Date & Day	Time			Name of Work
	From	to	Total Hrs	Discussion

01-12-2018	10.00	3.00	5]
Saturday				
Used Equipmen	t's & Plant	s: QC		
office				
N	- f XX/1	Danisian 0	Diamarati	
Name the Types			Discuss with	
trainer through w	vhole works			

Sign. of Trainee

Sign. of Trainer

Report of the Practical Training Received:

Name of the Training Industry Name of the Trainee	: Navana Food limited. : Md saiful ialam
Course of the Study	: B.Sc in Nutrition and Food Engineering (NFE)
Registration No	: Batch No: 30(A)
Identification No	: 161-34-509
Name of the Department	: B.Sc in Nutrition and Food Engineering (NFE
Name of the Institute	: Daffodil International University
	(Not applicable for the Trainee)

Evaluation of the work

Full Marks - 100

Pass Marks - 60

Activities			Day to day	Report	
	Attendance	Work	work record	writing	Total
No.	1	2	3	4	5
Fixed Marks	25	40	10	25	100
Pass Marks	15	24	6	15	60
Marks					
Obtained					

Sign of the Examiner : Sign

of nominated Teacher:

2 Expression of Gratitude:

All praises are due to "Almighty Allah" who enables me pursue high education in Food Engineering & Technology and to complete the endeavor successfully.

It is also a proud privilege to express my heartiest appreciation and gratitude to my teachers and lecturers department B.Sc in Nutrition and Food Engineering (NFE) of Daffodil International University. For their hearty guidance, valuable suggestion, affection encouragement, helpful comment, constructive criticize and continuous supervision throughout the whole period of the work.

I gratefully admires to honorable Rafiqul Haque . Navana Food limited. They are very helpful & friendly.

.3 . Aim/Objective of the Training:

The specific objectives of this study are as following:

- > To have an idea of system & activities of bakery, dairy, Bake & other processing unit.
- > To know different rules & methods of the organization.
- To identify the hazard during the processing & production of products in the plant & finding how to take necessary steps.
- > To identify different critical control point in dairy & aseptic products.
- > To describe the processing of all products.
- > To maintain standard quality parameters.
- > To give an overview of Navana Food limited.

4. Work Description:

4.1 1 List:

	Tra	aining Perio	od	
Department	From	То	Total	Name of the Work
			Days	
Production bakery	01-10-18	17-10-18	08	Production bakery
Production pastry	19-10-18	05-11-18	08	Production pastry
Biscuit Production	07-11-16	12-11-18	5	B iscuit Production
Desset Production	14-11-18	17-11-18	3	Desset Production
Production bakery	17-11-18	19-11-18	2	Production bakery
Production	21-11-16	01-12-18	5	Production, Stickering, Stickering

4.2 Works Description (In Details):

(Processing details including description, Raw materials used Process Control. If needed extra sheets can be added)

General Processing Steps

Blend Ingredients

Add Liquid Flavors and Colors

Freeze

Add Fruits, Nuts, and Bulky Flavorings

Package

Harden

1. Blend the Ice Cream Mixture

The milk complete mixing of liquid and dry ingredients.

2. Add Liquid Flavors and Colors

Liquid flavors and colors may be added to the mix before freezing. Only ingredients that are liquid can be added before the freezing, to make sure the mix flows properly through the freezing equipment.

3 Freeze

The process involves freezing the mix and incorporating air. Ice cream mix can be frozen in batch or continuous freezers and the conditions used will depend on the type of freezer. The continuous freezing process is much faster than the batch freezing process.

The addition of air is called overrun and Up to 50% of the volume of the finished ice cream (100% overrun) can be air that is incorporated during freezing. Premium ice creams have less overrun (approximately 80%) and are denser than regular ice cream.

4 Add Fruits, Nuts and Bulky Flavorings (candy pieces, etc.)

Fruits, swirls, and any bulky type of flavorings (nuts, candy pieces, etc.) are added at this point. These ingredients cannot be added before freezing or they would interfere with the smooth flow of the mix through the freezer. The ice cream at this point is soft and it is easy to mix in the bulky flavorings so they are uniformly distributed throughout the ice cream. Mixing in bulky flavorings after freezing also prevents damage to the pieces and allows them to remain whole or in large chunks.

8. Package

As desired, depending on the product.

9. Harden

The ice cream is cooled as quickly as possible down to a holding temperature of less than -25°C. The temperatures and times of cooling will depend on the type of storage freezer. Storage at 25°C will help to stabilize the ice crystals and maintain product quality.

Raw materials used :

*Full cream milk

*Sugar

*Glucose

*Flavors & colors

* oil,palm oil

*Chocolate coating

*Cocoa powder

Package materials :

* Bared stick

*Wrapper

*Cartoon

*Litre box

Conclusion:

This study shows how to maintain the hygiene production and quality control of food & Icecream. The industrial attachment program has covered both hygiene production and quality control of food products. To ensure hygiene production and quality control different types of test parameter including Physical, Chemical, Microbiological has been taken. Actually a BSTI standard maintains or regulates its quality parameter. Physical and chemical tests are done routinely in the lab. Microbiological test is also important especially for final product.