











Model Curriculum

QP Name: Junior Coconut Processing Operator

QP Code: FIC / Q0206

QP Version: 1.0

NSQF Level: 3.0

Model Curriculum Version: 1.0

Food Industry Capacity and Skill Initiative (FICSI)
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Table of Contents

Tı	aining Parameters	3
	Training Outcomes	4
	Compulsory Modules	4
V	lodule Details	7
	Module 1: Introduction to Food Processing Sector and the Job of 'Junior Coconut Processing Operator-Value Added Food Products'	7
	Module 2: Prepare workplace and equipment for processing coconuts	8
	Module 3: Process Coconuts	9
	Module 4: Perform Post Production Cleaning activities	10
	Module 5: Practice food safety, GMP and personal hygiene at workplace	11
	Module 6: Apply food safety practices at workplace	13
	Module 7: Employability skills	15
	Module 8: Produce Coconut Water from fresh coconuts	17
	Module 9: Produce Value added products from Coconut kernel	19
	Module 10: Produce coconut Milk	20
	Module 11: Produce Coconut Oil	21
	Module 12: Produce Coconut Jaggery	22
Ą	nnexure	23
	Trainer Requirements	23
	Assessor Requirements	24
	Assessment Strategy	25
	Glossary	26
	Acronyms and Abbreviations	27







Training Parameters

Sector	Food Processing	
Sub-Sector	Fruit and vegetables	
Occupation	Processing-Fruit and vegetables	
Country	India	
NSQF Level	3	
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7514.0100,7513.9900	
Minimum Educational Qualification and Experience	1. Grade 10 pass or equivalent OR 2. 9th Grade pass with 1-year relevant experience in Food Processing Industry OR 3. 8th-grade pass with 2 years of relevant experience is the Food Processing Industry OR 4. Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of relevant experience in Food Processing Industry OR 5. Previous relevant Qualification of NSQF Level 2 with 3 years relevant experience in Food Processing Industry	
Pre-Requisite License or Training Minimum Job Entry Age	NA 18 Years	
William Job Entry Age	10 rears	
Last Reviewed On	20-02-2024	
Next Review Date	31-01-2027	
NSQC Approval Date	31-01-2024	
QP Version	1.0	
Model Curriculum Creation Date	24-01-2024	
Model Curriculum Valid Up to Date	30-01-2027	
Model Curriculum Version	1.0	
Minimum Duration of the Course	300 hours	
Maximum Duration of the Course	480 hours	







Program Overview

This section summarizes the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the participants will be able to:

- Prepare for Coconut Processing
- Carry out Coconut Processing
- Implement Food Safety Requirements
- Employability Skills

Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory

NOS and Module Details	Theory	heory Practical On-the-J	On-the-Job	On-the-Job	Total
	Duration	Duration	Training	Training	Duration
			Duration (Mandatory)	Duration (Recommended)	
FIC/N9026: Prepare for Production	18:00	42:00	00:00	00:00	60:00
NOS Version 1.0 NSQF Level 3					
Module 1: Introduction to the Food Processing Sector and the Responsibilities of a 'Junior Coconut Processing Operator	04:00	00:00	00:00	00:00	4:00
Module 2: Prepare workplace and equipment for coconut processing	14:00	42:00	00:00	00:00	56:00
FIC/N0205: Carry out Coconut Processing NOS Version 1.0	70:00	110:00	00:00	00:00	180:00
NSQF Level 3	_				
Module 3: Process Coconuts	45:00	70:00	00:00	00:00	115:00
Module 4: Perform Post- production cleaning	25:00	40:00	00:00	00:00	65:00
FIC/N9906 – Apply food Safety guidelines in Food processing NOS Version No. 1.0	10:00 20:00	20:00	00:00	00:00	30:00
NSQF Level 3					
Module 5: Practice personal hygiene and follow Good Manufacturing Practices at workplace	05:00	10:00	00:00	00:00	15:00
Module 6: Apply food safety practices at workplace	05:00	10:00	00:00	00:00	15:00







DGT/VSQ/N0101 – Employability Skills (30 Hours)	12:00	18:00	00:00	00:00	30:00
NOS Version No. 1.0					
NSQF Level 2					
Module 7: ES Skills	12:00	18:00	00:00	00:00	30:00
Total	110:00	190:00	00:00	30:00	300:00

Elective Modules

The table lists the modules and their duration corresponding to the elective NOS of the QP

	Theory	Practical			
Elective NOS and Module Details	Duration	Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Elective 1: FIC/N0206: Produce Value added products from coconut Kernel NOS Version 1.0 NSQF Level 3	30:00	60:00	00:00	00:00	90:00
Module 9: Produce Desiccated Coconut	10:00	20:00	00:00	00:00	30:00
Module 10: Produce Coconut Milk	10:00	20:00	00:00	00:00	30:00
Module 11: Produce Coconut Oil	10:00	20:00	00:00	00:00	30:00
Total Duration	30:00	60:00	00:00	00:00	90:00

	Theory	Practical			
Elective NOS and Module Details	Duration	Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Elective 2: FIC/N0207: Produce Coconut Water from fresh coconuts NOS Version 1.0 NSQF Level 3	10	20	0	0	30
Module 8: Produce Coconut Water from fresh coconuts	10	20	0	0	30
Total Duration	10	20	0	0	30







	Theory	Practical			
Elective NOS and Module Details	Duration	Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Elective 3: FIC/N0208: Produce Coconut Jaggery NOS Version 1.0 NSQF Level 3	10:00	20:00	00:00	00:00	30:00
Module 12: Produce Coconut Jaggery	10:00	20:00	00:00	00:00	30:00
Total Duration	10:00	20:00	00:00	00:00	30:00







Module Details

Module 1: Introduction to Food Processing Sector and the Job of 'Junior Coconut Processing Operator-Value Added Food Products'

Mapped to NOS FIC/N9026 v1.0

Terminal Outcomes:

- Describe the food processing industry and its sub-sector Packaged food industry in brief
- Discuss the roles and responsibilities of Junior Coconut Processing Operator-Value Added Food Products

Duration: 04:00	Duration: 00:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
Discuss about the food processing industry	
and Coconut processing sector and its	
growth trends	
• Discuss the value-added products derived	
from coconut and its market	
• Discuss the career opportunities available	
to Junior Coconut Processing Operator-	
Value Added Food Products in the food	
processing industry	
• Explain the terminologies used in coconut	
processing	
• List the sequence of operations to be	
performed in the job	
 List the various types of activities 	
undertaken for processing a coconut,	
derive products from it, storage, packaging	
and quality testing	
Classroom Aids:	
Whiteboard, Marker, Duster, Projector, Laptop, F	PowerPoint Presentation
Tools, Equipment, and Other Requirements	
Nil	







Module 2: Prepare workplace and equipment for processing coconuts Mapped to FIC/N9026 v1.0

Terminal Outcomes:

- Plan for production
- Clean and maintain work area, machineries, and tools for production
- Organize for production

Duration: 16:00	Duration: 40:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the process of analyzing and interpreting the production instructions (product details, process flow charts, formulation charts etc) Discuss the production planning and prioritize tasks as per work like inspect, clean, maintain, verify, etc. Discuss the methods of calculating the estimate manpower and material requirements as per work requirement. explain about the capacity utilization of machinery with respect to the processing time, production order, and batch size for each product discuss the various tools used in the process explain the cleaning procedures of work area and tools used in the production area discuss the importance of verifying the availability and working of the tools before commencing the coconut processing. discuss how to organize the raw materials safely and securely discuss the waste disposal measures as per the organization and environmental guidelines Discuss the escalation mechanism in case of faulty devices 	 Demonstrate the use of various tools for coconut processing Demonstrate how to interpret the various flowcharts Demonstrate through a role play production planning process Demonstrate the methods to calculate the required manpower and materials Show how to clean and sanitise workplace and equipment Demonstrate the waste disposal methods Show how to use the PPE kits

Classroom Aids:

Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation slides, Participant Handbook, etc.

Tools, Equipment, and Other Requirements

Sample legislative guidelines, Various materials and equipment,







Module 3: Process Coconuts Mapped to FIC/N0205 v1.0

Terminal Outcomes:

- Perform Coconut processing
- Package the finished product

Duration: 40:00	Duration: 60:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Explain the methods of selecting good quality coconut for processing Discuss the steps to de-husk the coconut to remove the husk explain the steps for cleaning the dirt and the debris from the de-husked coconuts discuss the quality check guidelines for checking the samples explain the steps to operate the packaging machine and setting the controls discuss the process of loading the labels in the packaging machine discuss the method of checking the packaged bottles contain the label with all relevant information explain the steps to check the weight of the packed product and conformance to standards explain the storage of the packaged products securely 	 Demonstrate the steps to operate the dehusking machine Illustrate the steps to perform the quality checks for a finished product Demonstrate the steps to package the finished goods

Classroom Aids:

Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation, Participant Handbook

Tools, Equipment, and Other Requirements

de-husking machine, packaging machine, packaging materials, labels, storage bins







Module 4: Perform Postproduction Cleaning activities Mapped to FIC/N0205 v 1.0

Terminal Outcomes:

• Carry out postproduction cleaning and maintenance of equipment

Duration : 20:00	Duration: 30:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the methods of cleaning the equipment namely de-husking machines, conveyor belts with approved cleaning agents and sanitizers to remove any residual coconut fibres Discuss the cleaning and sanitizing techniques of the area where the coconut processing takes place Explain the different cleaning methodologies cleaning out of place, cleaning in place, and dry air cleaning Discuss waste disposal methods followed by the organization 	 Demonstrate the cleaning in Place, Cleaning out of place and dry air methods Demonstrate the minor repair of equipment in the work area

Classroom Aids:

Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation, Participant Handbook

Tools, Equipment, and Other Requirements

Operating procedures for maintenance and cleaning, de-husking machines, conveyor belts, cleaning and sanitizing agents, PPE kits for cleaning, waste disposal bins







Module 5: Practice food safety, GMP and personal hygiene at workplace Mapped to FIC/N9906 v1.0

Terminal Outcomes:

Classroom Aids:

- Apply personal hygiene and follow Good Manufacturing practices at workplace.
- Implement Food Safety and pre-requisite programs (PRP) at workplace

Duration : <i>05:00</i>	Duration: 10:00		
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes		
 Define hazards and risks Recall the various types of health and safety equipment available in an organisation and the methods for obtaining them Discuss the organizational health and safety policies and procedures Discuss site-relevant documented procedures for Personal Hygiene and Visitor/ Contractor rules Explain work instructions at levels of employees inside a food manufacturing site Ensure timed planning and participation in relevant training and awareness sessions on personal hygiene, GMP, and related topics Explain the importance of timely medical examination from a prescribed and authorized doctor and comply with the guidelines of Schedule IV as described in Food Safety Standard Authority of India (FSSAI) guidelines State how to follow a site relevant documented procedure and area wise work instructions for Good Manufacturing Practices (GMP) to be followed on the site List validated Do's & Don'ts inside a food manufacturing firm State process flow charts, HACCP summary plan and critical process parameters in each and respective areas of the production line Explain how to identify the material requirements such as manufacturing equipment's, Utensils and other processing aids, cleaning chemicals, cleaning work instructions in all the relevant areas of manufacturing facility 	 Demonstrate the steps to be performed for implementing good manufacturing practices (GMP) Demonstrate how to follow work instructions at levels of employer inside a food manufacturing site and ensure that the relevant instruction are well communicated and being followed at the fixed timelines Show how to fill data in daily monitoring checklist related to personal hygiene, food safety and GMP Illustrate process to follow man and materials movement throughout the production facility, to restrict unwanted hazards to cross contaminate the products which are being manufactured in the facility Show how to tag and number all the equipment, machinery, tools, and other processing aids to keep a propet traceability of the product being manufactured and handled at site. Demonstrate process of record keeping and documentation such a Daily Monitoring Sheets, Batch Traceability Records, machine records product parameters, process control parameters etc 		







Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation slides, Participant Handbook, etc.

Tools, Equipment, and Other Requirements

GMP format and guidelines, allergen manual, personal hygiene guidelines, etc.







Module 6: Apply food safety practices at workplace Mapped to FIC/N9906 v1.0

Terminal Outcomes:

- List the food safety practices at the workplace and the ways to implement them
- Demonstrate the steps to be followed to implement food safety procedures effectively

Demonstrate the steps to be followed to imple	ment 1000 safety procedures effectively			
Duration: 05:00	Duration: 10:00			
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes			
 List the various types of health and safety hazards present in the environment Discuss the possible causes of risk, hazard or accident at the workplace Elucidate the standard practices and precautions used to control and prevent risks, hazards and accidents at the workplace Explain requirements to maintain updated facilities, equipment and tools to minimize the risks associated with the products being handled at the site State the importance of using protective equipment and clothing for specific tasks and work conditions Discuss the role of organisational protocols in preventing accidents and hazards Discuss the significance of various types of hazard and safety signs Explain FSSAI Schedule IV requirements related to Pest Control, Cleaning and Sanitation, Utilities, Waste Disposal, Prevention of Cross Contamination, allergen management, corrective action, preventive actions, food operation control, etc. Discuss the relevance of checking 	 Apply appropriate techniques to deal with hazards safely and appropriately Perform steps for checking critical control points and product parameters Show how to record keeping and documentation such as daily monitoring sheets, cleaning sheets, parameters, etc. Demonstrate appropriate ways to respond promptly and appropriately to an accident or medical emergency. Perform the steps to be followed during emergency and evacuation procedures. 			
critical control points and product parameters				
 Explain the importance of record keeping and documentation such as daily monitoring sheets, cleaning sheets, parameters, etc. 				
 Discuss how to report any food safety 				







and GMP issue to the supervisor, if any

Classroom Aids:

Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation slides, Participant Handbook, etc.

Tools, Equipment, and Other Requirements

Helmet, gloves, rubber mat, ladder, neon tester, leather or asbestos gloves, flameproof aprons, flameproof overalls buttoned to neck, cuffless (without folds) trousers, reinforced footwear, helmets/hard hats, cap and shoulder covers, ear defenders/plugs, safety boots, knee pads, particle masks, glasses/goggles/visors, hand and face shields, machine guards, residual current Devices, shields, dust sheets, respirator







Module 7: Employability skills Mapped to DGT/VSQ/N0101, v 1.0

Terminal Outcomes:

- Describe the traits of individuals at the workplace
- Demonstrate apply employability and entrepreneurship skills at the workplace

Duration: 12:00	Duration: 18:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss own strengths and weaknesses and analyse the gaps to ensure continuous improvement. Discuss the measures to be undertaken to utilise time effectively thereby achieving maximum productivity. List the characteristics of innovative individuals List the levels of Hierarchy List the traits of an effective team Discuss tips for stress management Discuss the importance of good work ethics Discuss how to manage an enterprise Describe how to plan effective strategies for solving problems and improving work culture within the team. List the various types of digital marketing techniques. Discuss the types and importance of ecommerce in promoting businesses. List the various types of online banking services being used widely. Discuss the procedure to apply for bank finances List the elements of a proposal to attract future business opportunities and prospective clients. Explain how to conduct entrepreneurial programs to identify business opportunities, generate employment and increase clientele. Understand the make-in-India campaign Discuss the importance of Swachh Bharat Abhiyan Understand the importance of 	 Show how to analyse a situation to identify gaps for improving the work process. Demonstrate the procedure to plan the time to effectively perform various tasks. Describe how market research is carried out Role plays the characteristics of an effective entrepreneur and leader Demonstrate how to identify new business opportunities Prepare a sample plan to solve problems and improve productivity at the workplace. Demonstrate the procedure to operate a computer for digital marketing, e-commerce, branding, etc. Show how to use services such as NEFT, IMPS, UPI, and RTGS for online banking.





entrepreneurship

- Describe the traits of a successful entrepreneur
- List the types of enterprises
- Understand the importance of effective speaking and listening
- Discuss the importance of problem-solving
- Discuss how to deal with failures
- Describe the core keys of marketing
- Discuss ways to manage risks at workplace

Classroom Aids:

Computer, Projection Equipment, PowerPoint Presentation and software, Facilitator's Guide, Participant's Handbook.

Tools, Equipment and Other Requirements

Nil





Module 8: Produce Coconut Water from fresh coconuts Mapped to FIC/N0207 v 1.0

Terminal Outcomes:

- Prepare for coconut water extraction
- Extract coconut water
- Perform post production activities

Duration:10:00	Duration: 20:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Discuss the methods of harvesting green coconuts and transferring them to the coconut water extraction area Explain the different techniques used for checking the quality of the coconuts Discuss the steps to clean and sterilize the coconut to remove any dirt Discuss the equipment used in this process and their availability and working Explain the techniques to clean the equipment used in this process Discuss the process of removing the outer layer using a de-husking machine Explain the use of coconut drilling machines in coconut water extraction Discuss the water extraction process step by step Explain the importance of pasteurization and the techniques of doing it Discuss the sterilisation process with Ultra High Temperature Discuss the acceptable and approved preservatives and why they are added Explain the quality control checks and need for compliance Discuss the post-production cleaning activities like equipment cleaning and drying, work area cleaning, and following health and safety guidelines while cleaning discuss the market for packaged foods explain the FSSAI and GMP guidelines about manufacturing and food safety (KU7-KU8) discuss the need for always wearing the PPE 	 Demonstrate the working of the dehusking machines Demonstrate the use of coconut drilling machines Demonstrate the dehusking process using a video Demonstrate the water extraction process from the drilled coconut Demonstrate pasteurisation and sterilization techniques Demonstrate the process of cleaning the equipment





Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation slides, Participant Handbook

Tools, Equipment, and Other Requirements

Operating procedures for maintenance and cleaning of machines, de-husking machines, drilling machines, cleaning and sanitizing agents, PPE kits for cleaning,





Module 9: Produce Value added products from Coconut kernel Mapped to FIC/N0206 v 1.0

Terminal Outcomes:

• Produce Desiccated coconut

Duration:10:00	Duration : 20:00		
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes		
 Desiccated Coconut Discuss the techniques to verify the cracked coconuts are free from any dirt and are ready for the next process Explain the scraping technique to peel of the brown portion of the coconut known as testa Discuss the steps to cut the kernel to remove the coconut water Explain the blanching process Explain the procedure to operate the shredder to grate coconuts o different sizes Explain the shredded coconut drying process Discuss the techniques to use the Sievers or sifters to grade the coconut flakes based on their size Discuss the grinding process using hammer mill or disk mill 	 Desiccated Coconut Demonstrate the scraping techniques to peel off the brown layer of coconut namely testa Demonstrate the blanching process Demonstrate the shredding techniques Demonstrate the drying techniques Demonstrate the use of Sievers or sifters Demonstrate the use of hammer mill/ disk mill 		

Classroom Aids:

Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation slides, Participant Handbook

Tools, Equipment, and Other Requirements

Paring knife, hammer mill/ disk mill, shredders, sievers/sifters, tunnels/belts, blanching tank, clarifiers, centrifugal machine





Module 10: Produce coconut Milk Mapped to FIC/N0206 v 1.0

Terminal Outcomes:

• Produce coconut milk

Duration:10:00	Duration: 20:00		
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes		
 Discuss the techniques to verify the cracked coconuts are free from any dirt and are ready for the next process Explain the scraping technique to peel of the brown portion of the coconut known as testa Discuss the steps to cut the kernel to remove the coconut water Explain the blanching process Explain the procedure to operate the shredder to grate coconuts of different sizes Explain the steps to use hydraulic pressure extractors to press shredded coconut to extract milk Discuss the sieving/ filtering (membrane filters) process to remove any residual coconut fibres from the milk Explain the benefits of pasteurization Explain the mechanical homogenizer or emulsification system to break the fat particles into smaller particles Explain the quality check process of the milk for color, viscosity, flavor and microbiological safety 	 Demonstrate the scraping techniques to peel off the brown layer of coconut namely testa Demonstrate the blanching process Demonstrate the shredding techniques Demonstrate the drying techniques Demonstrate the use of Sievers or sifters Demonstrate the use of hammer mill/ disk mill Demonstrate the pasteurization and homogenization techniques 		

Classroom Aids:

Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation slides, Participant Handbook

Tools, Equipment, and Other Requirements

Paring knife, hammer mill/ disk mill, shredders, hydraulic pressure extractors, sievers/sifters, clarifiers, homogenizers





Module 11: Produce Coconut Oil Mapped to FIC/N0206 v 1.0

Terminal Outcomes:

Duration: 10:00

Produce coconut oil

Duration:10:00	Duration: 20:00			
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes			
 Coconut Oil-Cold Press Discuss process of grating coconut meat into an industrial grade milk extractor (which applies centrifugal force) to separate milk from the coconut meat Explain the fermentation process of the filtered milk and the resultant products Explain the need for skimming and the steps to use the automated skimming equipment Explain the necessity for the evaporation process Explain the filtering process and collect the filtered oil in large containers Coconut Oil-Hot Press method Explain how to pick the clean, dry, good quality copra for oil extraction Explain the use of pulverisers to crush coconut meat or copra into smaller particles Discuss the heating process to reduce the moisture content by heating the particles of copra using a dryer or direct flame Explain the use of an expeller machine to extract oil from the crushed coconut Discuss the process of collecting the oil in the barrel of the machine and expelling the other solid wastes Discuss the filtration system to remove any impurities in the extracted oil 	 Demonstrate the centrifugal method Demonstrate the fermentation of the coconut milk to separate the layers of cream, oil, and water Demonstrate the skimming process in the extraction of coconut oil using the cold press method Demonstrate the techniques to use the pulverisers to crush the coconut meat Demonstrate the heating method to reduce the moisture content Demonstrate how to extract the oil from the crushed coconut using expeller machines 			

Duration: 20:00

Classroom Aids:

Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation slides, Participant Handbook

Tools, Equipment, and Other Requirements

Paring knife, hammer mill/ disk mill, centrifuge machine, heating system, automated skimming equipment, pulverisers, expeller machines





Module 12: Produce Coconut Jaggery Mapped to FIC/N0208 v 1.0

Terminal Outcomes:

Produce Coconut Jaggery

Duration:10:00	Duration: 20:00		
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes		
 Discuss the process of collecting coconut sap from coconut Palm Discuss the steps to get a hot syrup Explain the clarification process Explain the boiling and evaporation of hot syrup Discuss the quality test of the jaggery mixture namely sweetness, consistency and texture- Discuss the different shapes and sizes of mould used for giving shape to jaggery Discuss the use of banana leaves or perching paper in moulding 	 Demonstrate the process of coconut sap extraction from coconut palm Demonstrate the evaporation process Demonstrate the preparation of hot syrup from coconut sap Perform quality test of the finished coconut jaggery Demonstrate the moulding process of jaggery mixture 		

Classroom Aids:

Training kit (Trainer guide, Presentations), Whiteboard, Marker, Projector, Laptop, Presentation Slides, Participant Handbook

Tools, Equipment, and Other Requirements

Operating procedures for maintenance and cleaning, de-husking machines, conveyor belts, boiling tank, clarifiers, cleaning and sanitizing agents, PPE kits for cleaning, waste disposal bins





Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational	Specialization	Relevant Industry Experience		Training Experience		Remarks
Qualification		Years	Specializatio n	Year s	Specialization	
Graduate	Science/Food Technology	3	Food Processing /Packaged Foods	1	Training individuals on Food processing and Packaged foods	

Trainer Certification				
Domain Certification	Platform Certification			
"Junior Coconut Processing Operator-Value Added Food Products", "FIC/Q8505 V1.0", Minimum accepted score is 80%	Recommended that the Trainer is certified for the Job Role: "Trainer" (VET & SKILLS), mapped to the Qualification Pack: "MEP/Q2601", V.2. Minimum accepted SCORE IS 80 % as per SSC guidelines.			





Assessor Prerequisites						
Minimum Specialization		Relevant Industry Experience		Training Experience		Remarks
Qualification		Years	Specializatio n	Year s	Specialization	
Graduate	Science/Food Technology	3	Food Processing Technology/ Packaged Foods	1	Training individuals on Food Processing Technology/Packaged Foods	

Assessor Certification				
Domain Certification	Platform Certification			
"Junior Coconut Processing Operator-Value Added Food Products", "FIC/Q8505, V1.0", Minimum accepted score is 80%	Recommended that the Assessor is certified for the Job Role: "Assessor" (VET & SKILLS), mapped to the Qualification Pack: "MEP/Q2701", V-2. Minimum accepted SCORE IS 80 % as per SSC guidelines.			





This section includes the processes involved in identifying, gathering and interpreting information to evaluate the learner on the required competencies of the program.

Assessment will be based on the concept of Independent Assessors empanelled with Assessment Agencies, identified, selected, trained and certified on Assessment techniques. These assessors would be aligned to assess as per the laid down criteria.

The Assessment Agency would conduct assessment only at the training centres of the Training Partner or designated testing centres authorised by FICSI.

Ideally, the assessment will be a continuous process comprising three distinct steps:

A. Mid-term assessment

B. Term / Final Assessment

Each National Occupational Standard (NOS) in the respective QPs will be assigned weightage. Each Performance Criterion in the NOS will be assigned marks for theory and / or practical based on the function's relative importance and criticality.

This will facilitate the preparation of question bank / paper sets for each QPs. Each of these paper sets / question banks so created by the Assessment Agency will be validated by the industry subject matter experts through FICSI, especially about the practical test and the defined tolerances, finish, accuracy, etc.

The following tools are proposed to be used for final assessment:

- i. Written Test: This will comprise (i) True / False Statements, (ii) Multiple Choice Questions, and (iii) Matching Type Questions. An online system for this will be preferred.
- ii. Practical Test: This will comprise a test job to be prepared as per project briefing following appropriate working steps, using necessary tools, equipment and instruments. Through observation, it will be possible to ascertain the candidate's aptitude, attention to detail, quality consciousness, etc. The end product will be measured against the pre-decided MCQ filled by the Assessor to gauge his skill achievements.
- iii. Structured Interview: This tool will be used to assess the conceptual understanding and the behavioural aspects as regards the job role and the specific task at hand.





Term	Description
Declarative Knowledge	Declarative knowledge refers to facts, concepts and principles that need to be known and/or understood to accomplish a task or to solve a problem.
Key Learning Outcome	The key learning outcome is the statement of what a learner needs to know, understand and be able to do to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training outcome is specified in knowledge, understanding (theory) and skills (practical application).
OJT (M)	On-the-job training (Mandatory): trainees are mandated to complete specified hours of training on-site
OJT (R)	On-the-job training (Recommended); trainees are recommended the specified hours of training on-site
Procedural Knowledge	Procedural knowledge addresses how to do something or how to perform a task. It is the ability to work or produce a tangible work output by applying cognitive, affective or psychomotor skills.
Training Outcome	Training outcome is a statement of what a learner will know, understand and be able to do upon completing the training .
Terminal Outcome	Terminal outcome is a statement of what a learner will know, understand and be able to do upon completing a module. A set of terminal outcomes helps to achieve the training outcome.





Acronyms and Abbreviations

Term	Description
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards
TVET	Technical and Vocational Education and Training
SOP	Technical and Vocational Education and Training
OH&S	Occupational Health and Safety
PPE	Personal Protective Equipment
HACCP	Hazard Analysis and Critical Control Points
VACCP	Vulnerability Assessment Critical Control Points
TACCP	Threat Assessment Critical Control Points
FSSAI	Food Safety and Standards Authority of India
FIFO	First In, First Out
FEFO	First Expire First Out
GMP	Good Manufacturing Practices
GHP	Good Hygiene Practices
CPR	Cardiopulmonary Resuscitation