





# **Model Curriculum**

**QP Name: Millet Product Processor** 

QP Code: FIC/Q1011

**QP Version:1.0** 

**NSQF Level: 3** 

**Model Curriculum Version: 1.0** 

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# **Table of Contents**

Training Parameters	3
Program Overview	5
Training Outcomes	5
Compulsory Modules	5
Module Details	8
Module1: Introduction to the training program	Error! Bookmark not defined.
Module 2: Prepare the lab for testing samples	8
Module5: Document and record keeping while performing food lab activities .	Error! Bookmark not defined.
Module 6: IT orientation	Error! Bookmark not defined.
Module 7: Food safety, hygiene and sanitation for food lab testing	Error! Bookmark not defined.
Module 8: Employability and Entrepreneurship skills	Error! Bookmark not defined.
Annexure	
Assessor Requirements	
Assessment Strategy	
Acronyms and Abbreviations	





# **Training Parameters**

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Sector	Food Processing
Sub-Sector	Food Grain Milling
Occupation	Processing-Food Grain Milling (including oilseeds)
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/8160.1000,1900, 2015/7512.0100
Minimum Educational Qualification and Experience	<ol> <li>Grade 10 pass</li> <li>OR</li> <li>2.Grade 8 pass with 2 years of NTC/NAC after 8th</li> <li>OR</li> <li>Grade 8 pass and pursuing continuous schooling in regular school</li> <li>OR</li> <li>Grade 9 pass and pursuing continuous schooling in regular school</li> <li>OR</li> <li>Grade Pass and pursuing continuous schooling in regular school</li> <li>OR</li> <li>Sth Grade Pass with 2-year of relevant experience</li> <li>OR</li> <li>9th Grade Pass with 1-year of relevant experience</li> <li>OR</li> <li>Sth Grade Pass with 5-year of relevant experience</li> <li>OR</li> <li>Previous relevant qualification of NSQF Level 2.5 with 1.5 years of relevant experience</li> <li>OR</li> <li>Previous relevant qualification of NSQF Level 2 with 3 years of relevant experience</li> </ol>
Pre-Requisite License or Training	NA
Minimum Job Entry Age	16 years
Last Reviewed On	23/06/2023
Next Review Date	22/06/2025
NSQC Approval Date	23/06/2023





QP Version	1.0
Model Curriculum Creation Date	15/03/2023
Model Curriculum Valid Up to Date	22/06/2025
Model Curriculum Version	1.0
Minimum Duration of the Course	240 Hours (180+60)
Maximum Duration of the Course	360 Hours (180+60+60+60)





# **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:

- Perform preparatory activities like workplace cleaning, tools and equipment check etc.
- Facilitate cleaning and regular maintenance of equipment at the workplace
- Perform and monitor various activities for Millet based composite flour
- Perform post-production activities like packaging, quality check, cleaning etc.
- Apply necessary health and safety practices to ensure workplace health and safety

#### **Compulsory Modules**

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

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration(M andatory)	On-the-Job Training Duration(Recom mended)	Total Duration
FIC/N9026 Prepare for Production NOS Version No.:1.0 NSQF Level: 3	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 1: Introduction to the Food Processing Sector and the Job of Millet Product Processor	02:00s	00:00	00:00	00:00	02:00
Module 2: Plan for production	08:00	20:00	00:00	00:00	28:00
FIC/N1038 Produce Millet Based Composite Flour NOS Version No: 1.0 NSQF Level: 3	30:00 Hours	60:00 Hours	0:00Hours	00:00Hours	90:00 Hours





Module 3: Production of millet-based composite flour	30:00 Hours	60:00 Hours	00:00 Hours	00:00Hours	90:00 Hours
FIC/N9906 Apply food safety guidelines in Food Processing NOS Version No.:1.0 NSQF Level:3	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 4: Practice personal hygiene and follow Good Manufacturing Practices at the workplace	05:00	10:00	00:00	00:00	15:00
Module 5: Apply food safety practices at the workplace	05:00	10:00	00:00	00:00	15:00
DGT/VSQ/N0101: Employability Skills	12:00 Hours	18:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 6: Employability Skills	12:00 Hours	18:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Total Duration	62:00 Hours	118:00 Hours	00:00Hours	00:00Hours	180:00 Hours

### **Elective Modules**

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

#### Elective 1

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
FIC/N1039 – Produce millet- based Based Baked Products NOS Version No. – 1.0 NSQF Level – 3	20:00	40:00	-	-	60:00
Module 7: Production of Millet-Based Bakery Products	20:00	40:00	-	-	60:00
Total Duration	20:00	40:00	-	-	60:00





#### Elective 2

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
FIC/N1040 – Produce Instant Idli and Dosa Mix NOS Version No. – 1.0 NSQF Level – 3	20:00	40:00	-	-	60:00
Module 8: Production of Dosa and Idli Mix	20:00	40:00	-	-	60:00
Total Duration	20:00	40:00	-	-	60:00

#### Elective 3

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
FIC/N1041 – Carry out Produce Millet-Based Extruded Products NOS Version No. – 1.0 NSQF Level – 3	20:00	40:00	-	-	60:00
Module 9: Production of Millet-based Extruded Products	20:00	40:00	-	-	60:00
Total Duration	20:00	40:00	-	-	60:00





# **Module Details**

### Module 1: Introduction to Food Processing Sector and the Job of 'Supervisor - Fortified Foods' Mapped to FIC/N9026, v2.0

#### **Terminal Outcomes:**

- Describe the food processing industry and its sub-sectors in brief
- Discuss the roles and responsibilities of a Supervisor Fortified Foods

Duration: 05:00	Duration: 00:00		
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes		
<ul> <li>Discuss the food processing industry and food grain milling sub-sector in brief</li> <li>Discuss the career opportunities available to a Supervisor - Fortified Foods in the food processing industry</li> <li>Explain the terminologies used in fortification</li> <li>List the sequence of operations to be performed in the job</li> </ul>			
Classroom Aids:			
Whiteboard, Marker, Duster, Projector, Laptop, PowerPoint Presentation			
Tools, Equipment and Other Requirements			





### Module 2: Prepare for Production Mapped to FIC/N9026, v2.0

#### **Terminal Outcomes:**

- Discuss the preparation tasks to be performed for fortification
- State the importance of maintaining tools and equipment effectively

Duration: 08:00	Duration: 20:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul> <li>Elucidate production planning process</li> <li>List the manpower and material requirements as per work requirement.</li> <li>Discuss the importance of various process charts, product flow charts, resource management process, etc.</li> <li>List the priority of tasks as per work schedule.</li> <li>Recall the steps to plan capacity utilization of machinery with respect to the processing time, production order and batch size for each product.</li> <li>Recall various steps required to organize production materials appropriately.</li> </ul>	<ul> <li>Demonstrate the procedure for obtaining work requirements from supervisors.</li> <li>Prepare samples to plan and prioritize work schedules</li> <li>Demonstrate how to estimate the resources as per the requirement (raw materials, packaging materials, machineries, and manpower)</li> <li>Employ appropriate practices to plan capacity utilization of machineries</li> <li>Demonstrate how to organize production materials appropriately.</li> <li>Demonstrate how to allot responsibilities to the helpers.</li> </ul>
Classroom Aids:	
Computer, Projection Equipment, PowerPoint Pre Participant's Handbook.	esentation and software, Facilitator's Guide,
Tools, Equipment and Other Requirements	
w materials, racks, utensils, Fire extinguishers, Hi cover, cleaning ingredients and tools, Aprons, Safe Food Safety Manual	gh speed exhausts, Masks – Head cover, mouth ety Goggles, Safety Boots, Mouth Masks, Sanitizer,





# Module 3: Production of Millet-Based Composite Flour Mapped to FIC/N1038, v1.0

#### **Terminal Outcomes:**

- Identify tools and equipment required for Composite Millet flour production
- List the raw materials required to produce Millet based composite flour
- Demonstrate the tasks to identify the quality raw materials and equipment required to identify impurities in raw materials

Duration: 30:00	Duration: 60:00
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
<ul> <li>Describe the different types of millets and their characteristics</li> <li>Explain the quality parameters and nutritional information of each millet type</li> <li>Explain the significance of composite millet-based flour and how it is different from other flour.</li> <li>Describe the type of sieves and sieving process for different types of flour.</li> <li>List the points on the importance of the sieving process</li> <li>Identify the Type of containers and utensils used for flour manufacturing and storage.</li> <li>Explain the blending process to produce composite flour</li> <li>Understand the packaging and labeling requirements of FSSAI</li> <li>Explain types of food packaging and the process of packing the flour</li> </ul>	<ul> <li>Place all types of Millets on the table and ask students to Identify and explain each one by one. During the demonstration, ask them to include the characteristics of each millet and discuss their usage.</li> <li>Perform Qualitative and Quantitative testing of millet ingredients as per FSSAI/ BIS standards.</li> <li>Formulate a batch recipe for composite flour.</li> <li>Perform sieving of flour using an automatic/manual sifter.</li> <li>Perform blending operation using recommended blenders for blending composite flour.</li> <li>Show the different types of packaging and demonstrate the process of packaging of composite flour by following all FSSAI packing and labeling guidelines.</li> <li>QA Session</li> </ul>
Classroom Aids:	
Computer, Projection Equipment, PowerPoint Pre	esentation and software, Facilitator's Guide,
Participant's Handbook	

Tools, Equipment and Other Requirements

Sieves, Blenders, packaging materials





# Module 4: Practice personal hygiene and follow Good Manufacturing Practices at workplace

Mapped to FIC/N9906, v 1.0

**Terminal Outcomes:** 

- Discuss the importance of personal hygiene and GMP at the workplace
- Demonstrate the tasks to be performed to ensure personal hygiene and GMP practices at the workplace

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





<ul> <li>equipment's, Utensils and other processing aids, cleaning chemicals, cleaning work instructions in all the relevant areas of manufacturing facility</li> <li>Define the Allergens, their risks and the allergen requirements</li> <li>State the relevance of guidelines in manufacturing area and how training evaluation will be implemented</li> <li>Explain the process of audits and ways to address the aspects of Good Manufacturing Procedures, personal hygiene and food safety</li> </ul>			
Classroom Aids:			
Computer, Projection Equipment, PowerPoint Pro	esentation and software, Facilitator's Guide,		
Participant's Handbook			
Tools, Equipment and Other Requirements			
GMP format and guidelines, allergen manual, per	sonal hygiene guidelines, etc.		





# Module 5: Apply food safety practices at the 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

<ul> <li>List the various types of health and safety hazards present in the environment</li> <li>Discuss the possible causes of risk, hazard or accident at the workplace</li> <li>Elucidate the standard practices and precautions used to control and prevent risks, hazards and accidents at the workplace</li> <li>Explain requirements to maintain updated facilities, equipment and tool to minimize the risks associated with the products being</li> <li>Application</li> <li>Ap</li></ul>	n: 10:00
<ul> <li>hazards present in the environment</li> <li>Discuss the possible causes of risk, hazard or accident at the workplace</li> <li>Elucidate the standard practices and precautions used to control and prevent risks, hazards and accidents at the workplace</li> <li>Explain requirements to maintain updated facilities, equipment and tool to minimize the risks associated with the products being handled at the site</li> <li>State the importance of using protective equipment and clothing for specific tasks and work conditions</li> <li>Discuss the role of organisational protocols in preventing accidents and hazards</li> <li>Discuss the significance of various types of hazard and safety signs</li> <li>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.</li> <li>Discuss the relevance of checking critical control points and product parameters</li> <li>Explain importance of record keeping and</li> </ul>	l – Key Learning Outcomes
<ul> <li>sheets, cleaning sheets, parameters etc.</li> <li>Discuss how to report any food safety and GMP issue to supervisor, if any</li> <li>Classroom Aids:</li> </ul>	ply appropriate techniques to deal with zards safely and appropriately rform steps for checking critical contro ints and product parameters





Participant's Handbook

Tools, Equipment and Other Requirements

Helmet, gloves, rubber mat, ladder, neon tester, leather or asbestos gloves, flame proof aprons, flame proof overalls buttoned to neck, cuff less (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 6: Employability and Entrepreneurship skills

#### **Terminal Outcomes:**

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

Duration:12:00	Duration:18:00	
Theory–Key Learning Outcomes Practical–Key Learning Outcomes		
	<ul> <li>Practical-Key Learning Outcomes</li> <li>Show how to analyse a situation to identify gaps for improving the work process.</li> <li>Demonstrate the procedure to plan the time taken to perform various tasks effectively.</li> <li>Describe how market research is carried out</li> <li>Role play the characteristics of an effective entrepreneur and leader</li> <li>Demonstrate the procedure to apply for bank finances</li> <li>Demonstrate on how to identify new business opportunities</li> <li>Prepare a business plan and Detailed Project report (DPR)</li> <li>Prepare a sample plan to solve problems and improve productivity at the workplace.</li> <li>Demonstrate the procedure to operate a computer for digital marketing, e- commerce, branding, etc.</li> <li>Show how to use services such as NEFT,</li> </ul>	
<ul> <li>Explain how to conduct entrepreneurial programs to identify business opportunities, generate employment and increase clientele.</li> <li>Understand the make in India campaign</li> </ul>	<ul> <li>IMPS, UPI, RTGS for online banking.</li> <li>Prepare a detailed sample report consisting of information such as future investments, forecasting, business expansion, etc.</li> <li>Demonstrate the procedure to conduct an entrepreneurial program for exploring</li> </ul>	





business opportunities and increasing the clientele.

- Demonstrate how you will sell a product or service on an e-commerce platform with integration of payment gateway
- Demonstrate a case study of a successful entrepreneur

#### **Classroom Aids**

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

#### **Tools, Equipment and Other Requirements** Nil





# Module 7: Production of Millet-Based Bakery Products *Mapped to FIC/N1039, v1.0*

#### **Terminal Outcomes:**

- Identify tools and equipment required for Millet based bakery products
- List the raw materials required to produce Millet based bakery products
- Demonstrate the tasks to identify the quality raw materials and equipment required to identify impurities in raw materials

Duration: 20:00	Duration: 40:00
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
<ul> <li>Explain the role of different ingredients in cookie making, such as flour, sugar, butter, eggs, and leavening agents. b.</li> <li>Elucidate importance of accurate measuring and weighing of ingredients.</li> <li>List and explain different mixing techniques, such as creaming, beating, and folding.</li> <li>Describe the types of equipment used in mixing dough, such as stand mixers, hand mixers, and spatulas.</li> <li>Explain the importance of consistent shaping for uniform cookies and discuss different shaping equipment and techniques, such as cookie cutters, rolling pins, and moulds for rolling, cutting, and pressing.</li> <li>Understanding the significance and learn how to preheat and use an oven for cookie baking.</li> <li>Explain the Knowledge of different baking techniques, such as baking on a sheet pan or using a baking stone.</li> <li>Familiarity with different baking temperatures and times and troubleshooting for different types of cookie.</li> <li>Describe different types of cookie decorations and decoration techniques, such as different shaping techniques, such as baking temperatures and times and troubleshooting for different types of cookie decorations and decoration techniques, such as decoration techniques, such as decoration techniques, such as baking techniques and the such as a decoration techniques, such as decoration techniques, and the types of cookie decoration techniques, and the types of cookie decoration techniques, and the types of cookie decoration techniques, such as decoration technique</li></ul>	<ul> <li>Demonstrate methods for selecting the best ingredients and their recipe formulations</li> <li>Demonstrate the process of premixing and Mixing of Dough</li> <li>Demonstrate the Moulding and Shaping process</li> <li>Demonstrate the baking of Cookies</li> <li>Show different ways to decorate cookies</li> <li>Demonstrate the Process to pack the cookies</li> <li>Demonstrate the Postproduction cleaning of Workplace and equipment</li> <li>QA Session</li> </ul>





such as frosting, sprinkles, and edible glitter.

- Explain the quality inspection of final product including Sensory evaluation
- Describe different packaging materials and packaging techniques, such as plastic bags, tins, and boxes
- Describe & discuss the labelling of cookies with relevant information, such as flavour and ingredients etc

#### **Classroom Aids:**

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

Tools, Equipment and Other Requirements

Sieves, Blenders, Ovens, Mixers, Cookie cutters, packaging materials





# Module 8: Production of Idli & Dosa Mix Mapped to FIC/N1040, v1.0

#### **Terminal Outcomes:**

- Identify tools and equipment required for making Idli and Dosa Mix
- List the raw materials required to produce Millet based Idli and Dosa Mix
- Demonstrate the tasks to identify the quality raw materials and equipment required to identify impurities in raw materials

Duration: 20:00	Duration: 40:00
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
<ul> <li>Elaborate the Standard procedure for the preparation of instant food from raw material.</li> <li>Describe the blending machine and discuss the standard procedure to operate the machine.</li> <li>Describe the process and state the importance of inactivating the enzymes and applying the solution to the cut vegetables to prevent browning.</li> <li>Explain the factors affecting the quality of instant food products.</li> <li>Explain the standard procedure and State the significance of checking the quality of finished products</li> <li>Explain the process of addition of additives g. Explain the process of operating an Oven and dryer</li> <li>Explain the quality inspection of the final product including Sensory evaluation</li> <li>Explain the process of packaging Instant food premixes</li> </ul>	<ul> <li>Activity: Ask candidates to draw a detailed flow chart for instant food from raw material to packaging</li> <li>Demonstrate the Operation following the SOP of each equipment.</li> <li>Demonstrate the preparation of 2 Millet based ready to cook products using all equipment from weighing of raw materials to packaging of finished products considering all food safety and labelling guidelines.</li> <li>QA Session</li> </ul>
Classroom Aids:	
Computer, Projection Equipment, PowerPoint Pre Participant's Handbook	sentation and software, Facilitator's Guide,
Tools, Equipment and Other Requirements	
Sieves, Blenders, packaging materials	





# Module 9: Production of Millet-Based Extruded Products Mapped to FIC/N1041, v1.0

#### **Terminal Outcomes:**

- Identify tools and equipment required for Millet Extruded production
- List the raw materials required to produce Millet based Extruded Products
- Demonstrate the tasks to identify the quality raw materials and equipment required to identify impurities in raw materials

Duration: 20:00	Duration: 40:00
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
<ul> <li>Understand the process of mixing and kneading of dough for producing pasta and/or noodles b.</li> <li>Describe the process of extrusion to produce pasta c.</li> <li>Describe the operation of noodle making machine and elaborate belt-creating, rolling, slitting, steaming &amp; frying processes in detail.</li> <li>Explain the quality inspection of the final product including Sensory evaluation.</li> <li>Elaborate the process of packaging</li> </ul>	<ul> <li>Activity: Ask candidates to draw a detailed flow chart for millet-based extruded products from raw material to packaging</li> <li>Demonstrate the operation following the SOP of each piece of equipment.</li> <li>Measuring, weighing, and mixing ingredients accurately in a bowl to form a rough dough.</li> <li>Kneading and resting the dough by hand or with a stand mixer until it becomes smooth and elastic and become easier to work.</li> <li>Setting up extruder and or Noodle making machine for different extruded products, demonstrating feeding and cutting the pasta and noodles for desired length. 6.</li> <li>Pack the pasta and noodles into appropriate packaging following labeling and packaging guidelines</li> <li>QA Session</li> </ul>
Classroom Aids:	
Computer, Projection Equipment, PowerPoint Pro	esentation and software, Facilitator's Guide,
Participant's Handbook	
Tools, Equipment and Other Requirements	

Sieves, Blenders, packaging materials









# Annexure

# **Trainer Requirements**

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	ialization Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
B.Sc or graduate/B.Tech/BE	Food technology or food engineering	3	Food processing	1	Food processing	
M.Sc/M.Tech/ME	Food technology or food engineering	2	Food processing	1	Food processing	
Diploma /certificate course	Food Technology / Food Engineering /packaging/Ho me science, Milling technology or allied sector	4	Food processing	1	Food processing	

Trainer Certification			
Domain Certification	Platform Certification		
Certified for Job Role: "Millet Product Processor" mapped to QP: "FIC/Q1011,v1.0".Minimum accepted score is 80%.	Recommended that the Trainer is certified for the Job Role: "Trainer", mapped to the Qualification Pack: "MEP/Q2601".The minimum accepted score as per MEPSC guidelines is 80%.		





# **Assessor Requirements**

Assessor Prerequisites						
Minimum Spec Educational	Specialization			Training/Assessment Experience		Remarks
Qualification		Years	Specialization	Years	Specialization	
M.Sc/M.Tech/ME	Food technology or food engineering	2	Food processing	1	Food processing	
B.Sc or graduate/B.Tech/ BE	Food technology/ Home Science	3	Food processing	2	Food processing	
Diploma	Hotel management/ Food Science/ Home Science	4	Food processing	2	Food processing	

Assessor Certification				
Domain Certification	Platform Certification			
Certified for Job Role: "Millet Product Processor" mapped to QP: "FIC/Q1011,v1". Minimum accepted score is 80%.	Recommended that the Assessor is certified for the Job Role: "Assessor", mapped to the Qualification Pack: "MEP/Q2701". The minimum accepted score as per MEPSC guidelines is 80%.			





### Assessment Strategy

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 empaneled with Assessment Agencies, identified, selected, trained and certified on Assessment techniques. These Assessors would be aligned to assess as per the laid down criteria.

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

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

- A. Mid-term assessment
- B. Term/Final Assessment

Each National Occupational Standard (NOS) in the respective QPs will be assigned weightage. ThereineachPerformanceCriteriaintheNOSwillbeassignedmarksfortheoryand/orpractical based on relative importance and criticality of function.

This will facilitate preparation of question bank / paper sets for each of the QPs. Each of these papers sets/question bank so created by the Assessment Agency will be validated by the industry subject matter experts through FICSI, especially with regard to 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 of (i)True /False Statements (ii) Multiple Choice Questions(iii) Matching Type Questions. 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 candidate's aptitude, attention to details, quality consciousness etc. The end product will be measured against the pre-decided MCQ filled by the Assessor to gauge the level of 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.



# Glossary



Term	Description
Declarative Knowledge	Declarative knowledge refers to facts, concepts and principles that need to be known and/or understood in order to accomplish a task or to solve a problem.
Key Learning Outcome	Key learning outcome is the statement of what a learner needs to know, understand and be able to do in order to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training outcome is specified in terms of 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 <b>upon the completion of the training</b> .
Terminal Outcome	Terminal outcome is a statement of what a learner will know, understand and be able to do <b>upon the completion of a module.</b> A set of terminal outcomes help 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
CIP	Clean-In Place