









# Spice Processing Technician

QP Code: FIC/Q8502

Version: 4.0

NSQF Level: 3

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## FIC/Q8502: Spice Processing Technician

### **Brief Job Description**

A Spice Processing Technician is responsible forprocessing various types of whole and powdered spices and seasonings by operating different equipment in synchronization with other tools and machineries as per the Standard Operating Procedures of the organisation and achieving consistent quality and output.

#### **Personal Attributes**

Spice Processing Technician must have the ability toplan, organize and prioritize tasks in the workplace. The individual must possess reading, writing and communication skills. Besides, the individual must be able to handle work pressures and have the physical stamina for long hours of work.

### **Applicable National Occupational Standards (NOS)**

#### **Compulsory NOS:**

- 1. FIC/N9026: Prepare for production
- 2. FIC/N8515: Produce Spice and Seasoning
- 3. FIC/N9901: Implement health and safety practices at the workplace
- 4. FIC/N9902: Work effectively in an organisation
- 5. SGJ/N1702: Optimize resource utilization at workplace
- 6. DGT/VSQ/N0101: Employability Skills (30 Hours)

#### **Qualification Pack (QP) Parameters**

| Sector     | Food Processing           |
|------------|---------------------------|
| Sub-Sector | Packaged Foods            |
| Occupation | Processing-Packaged Foods |
| Country    | India                     |
| NSQF Level | 3                         |
| Credits    | 13                        |









| Aligned to NCO/ISCO/ISIC Code                     | NCO-2015/8160.0700  |
|---|---|
| Minimum Educational Qualification & Experience    | 8th grade pass and pursuing continuous schooling in regular school with vocational subject  OR 8th grade pass with 1 Year of experience relevant experience OR 5th Class with 4 Years of experience relevant experience OR Ability to read and write with 5 Years of experience relevant experience OR Previous relevant Qualification of NSQF Level (2) with 1 Year of experience relevant experience OR Previous relevant Qualification of NSQF Level (2.5) with 6 Months of experience relevant experience |
| Minimum Level of Education for Training in School | 10th Class  |
| Pre-Requisite License or Training                 | NA  |
| Minimum Job Entry Age                             | 16 Years  |
| Last Reviewed On                                  | NA  |
| Next Review Date                                  | 24/02/2025  |
| NSQC Approval Date                                | 24/02/2022  |
| Version   | 4.0   |
| Reference code on NQR                             | 2022/FI/FICSI/06695   |
| NQR Version                                       | 3   |

#### **Remarks:**

Nil









### FIC/N9026: Prepare for production

#### **Description**

This NOS unit is about performing various tasks prior to production in the food processing industry.

#### Scope

The scope covers the following:

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

#### **Elements and Performance Criteria**

#### Plan for production

To be competent, the user/individual on the job must be able to:

- **PC1.** identify work requirements by obtaining instructions from the supervisor. Instructions: process chart, product flow chart, formulation, chart, etc.
- **PC2.** plan and prioritize tasks as per work schedule. Tasks: inspect, clean, maintain, verify, etc.
- **PC3.** estimate manpower and material requirements as per work requirement. Material: raw materials and packaging materials
- **PC4.** ensure required quantity of raw materials, packaging materials, equipment, and manpower for production
- **PC5.** plan capacity utilization of machinery with respect to the processing time, production order, and batch size for each product

#### Clean and maintain work area, machineries, and tools for production

To be competent, the user/individual on the job must be able to:

- **PC6.** clean and maintain the work area as per organizational procedures
- **PC7.** clean and maintain the machines and tools and sanitize them as per the organization's specifications and standards
- **PC8.** dispose of the waste material at designated place safely. Waste material: hazardous waste, food waste, packaging waste, etc.
- **PC9.** inspect the tools, equipment, and machinery to ascertain suitability for use
- **PC10.** report information such as faulty tools and equipment to the concerned authority

#### Organize for production

To be competent, the user/individual on the job must be able to:

- PC11. organize tools and equipment
- **PC12.** receive and organize production materials appropriately. Production materials: raw materials, packaging materials, etc.
- **PC13.** allot responsibilities/work to the assistants and helpers

### **Knowledge and Understanding (KU)**









The individual on the job needs to know and understand:

- **KU1.** production planning process
- **KU2.** analysis and interpretation of various process charts, product flow charts, etc.
- **KU3.** resource management process
- **KU4.** procedure to estimate manpower and raw material
- KU5. capacity utilization calculation
- **KU6.** organizational policies and SOP on cleanliness
- **KU7.** operating procedure and general maintenance of food production machineries
- **KU8.** waste management procedures
- **KU9.** methods to inspect tools, equipment and machinery
- **KU10.** procedure to allot work or responsibility to the team

#### **Generic Skills (GS)**

User/individual on the job needs to know how to:

- **GS1.** read and interpret organizational policies, SOP, production charts, etc.
- **GS2.** communicate effectively with subordinates as well as supervisors
- **GS3.** plan and prioritize various tasks
- **GS4.** be always punctual and courteous
- **GS5.** organize all process/equipment manuals to access information easily
- GS6. discuss task lists, schedules, and activities with the senior/supervisor









## **Assessment Criteria**

| Assessment Criteria for Outcomes  | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|---|-----------------|--------------------|------------------|---------------|
| Plan for production   | 11              | 25                 | -                | -             |
| <b>PC1.</b> identify work requirements by obtaining instructions from the supervisor. Instructions: process chart, product flow chart, formulation, chart, etc. | 3               | 6                  | -                | -             |
| <b>PC2.</b> plan and prioritize tasks as per work schedule. Tasks: inspect, clean, maintain, verify, etc.   | 2               | 5                  | -                | -             |
| <b>PC3.</b> estimate manpower and material requirements as per work requirement. Material: raw materials and packaging materials                                | 2               | 4                  | -                | -             |
| <b>PC4.</b> ensure required quantity of raw materials, packaging materials, equipment, and manpower for production  | 2               | 5                  | -                | -             |
| <b>PC5.</b> plan capacity utilization of machinery with respect to the processing time, production order, and batch size for each product                       | 2               | 5                  | -                | -             |
| Clean and maintain work area, machineries, and tools for production   | 14              | 32                 | -                | -             |
| <b>PC6.</b> clean and maintain the work area as per organizational procedures   | 3               | 7                  | -                | -             |
| <b>PC7.</b> clean and maintain the machines and tools and sanitize them as per the organization's specifications and standards                                  | 3               | 7                  | -                | -             |
| <b>PC8.</b> dispose of the waste material at designated place safely. Waste material: hazardous waste, food waste, packaging waste, etc.                        | 3               | 7                  | -                | -             |
| <b>PC9.</b> inspect the tools, equipment, and machinery to ascertain suitability for use  | 3               | 6                  | -                | -             |
| <b>PC10.</b> report information such as faulty tools and equipment to the concerned authority   | 2               | 5                  | -                | -             |
| Organize for production   | 5               | 13                 | -                | -             |
| PC11. organize tools and equipment  | 2               | 7                  | -                | _             |









| Assessment Criteria for Outcomes   | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|--|-----------------|--------------------|------------------|---------------|
| <b>PC12.</b> receive and organize production materials appropriately. Production materials: raw materials, packaging materials, etc. | 2               | 4                  | -                | -             |
| <b>PC13.</b> allot responsibilities/work to the assistants and helpers   | 1               | 2                  | -                | -             |
| NOS Total  | 30              | 70                 | -                | -             |









## **National Occupational Standards (NOS) Parameters**

| NOS Code            | FIC/N9026              |
|---------------------|------------------------|
| NOS Name            | Prepare for production |
| Sector              | Food Processing        |
| Sub-Sector          | Generic                |
| Occupation          | Production             |
| NSQF Level          | 3                      |
| Credits             | TBD                    |
| Version             | 1.0                    |
| Last Reviewed Date  | 24/02/2022             |
| Next Review Date    | 24/02/2025             |
| NSQC Clearance Date | 24/02/2022             |









## FIC/N8515: Produce Spice and Seasoning

#### **Description**

This NOS unit describes the skills and knowledge required to produce and pack different varieties of whole spices, spice powders, curry powders and seasonings using various tools and equipment as per organisational production requirements.

#### Scope

The scope covers the following:

- Produce whole spices
- Produce Spice and Curry Powder
- Produce Seasonings
- Wrap and Label the Products
- Post product cleaning and regular maintenance of equipment

#### **Elements and Performance Criteria**

#### Produce whole spices

To be competent, the user/individual on the job must be able to:

- **PC1.** clean unprocessed whole spices thoroughly to ensure complete removal of dirt and foreign particles
- **PC2.** set controls of the dryer for drying the whole spices adequately and spread it out in the sun as required
  - Controls of the dryer: conveyor speed, drying temperature, relative humidity, time, etc.
- **PC3.** transfer the dried whole spices to the cutting machine safely ensuring zero spillage
- **PC4.** set controls of the cutting machine to obtain the powdered whole spices for further processing
- **PC5.** sterilize the whole spices by operating controls of the sterilizer (temperature, time, pressure, water level, etc.) as per standard procedure
- **PC6.** monitor the process and set desired limits for critical control points (CCP) to ensure food safety and prevent contamination
- **PC7.** inspect the produced samples for desired parameters such as colour, size, etc. thoroughly
- **PC8.** handover the produced samples to the quality lab for testing as per organisational practice
  - Parameters: moisture content, colour retention, size, etc.

#### Produce Spice and Curry Powder

To be competent, the user/individual on the job must be able to:

- **PC9.** sort and grade the whole spices on the basis of colour, size, appearance, etc. as per production requirements
- **PC10.** set control of the roasting machine (such as temperature and time) and monitor the process to ensure adequate roasting of the whole spice
- **PC11.** carry out grinding by placing the spices safely and adjusting the grinder screens as per standard practice









- **PC12.** collect the ground spices in container, bags, etc. and allow it to cool adequately
- **PC13.** adjust screens in the sifting/sieving machine as per processing needs
- **PC14.** sieve the spices to ensure removal of physical contaminants and required fineness for the spice powder
- PC15. operate blending machine to produce various types of curry powder as per work requirements
   Curry powder: chilli powder, turmeric powder, cumin seeds, dried mango powder, coriander powder, mustard seeds, etc.
- **PC16.** operate the sterilization equipment(pressure, temperature, sterilization time, etc.) for the removal of microbial contaminants using industry recommended chemicals
- **PC17.** set controls of the vacuum drying chamber (temperature, pressure, time, etc.) and transfer the sterilized spices for drying adequately
- **PC18.** collect curry powder as per standard practice and let it cool adequately before packaging
- **PC19.** handover the sample of spice and curry powder to the quality lab for testing as per standard practice

#### **Produce Seasonings**

To be competent, the user/individual on the job must be able to:

- PC20. add ingredients to prepare a mixture for blending as per type of seasoning to be produced
   Ingredients: whole spices, salt, oleoresins, spice, liquid flavors, curry, ground spices etc.
- PC21. sieve the mixture to obtain required fineness for the seasoning to be produced
- **PC22.** monitor the process and set desired limits for critical control points (CCP) to ensure food safety and prevent contamination
- **PC23.** collect the seasoning as per standard practice and let it cool adequately
- **PC24.** handover a sample of the seasoning produced to the quality lab for testing
- **PC25.** document significant findings such as process parameters, product details, defects observed, etc. as per organisational practices

#### Wrap and Label the Products

To be competent, the user/individual on the job must be able to:

- PC26. load the desired packaging material on the machine appropriately to prepare for packaging
   Packaging material: jute bags, airtight glass bottles, polyester laminates, biaxially oriented polypropylene laminates, duplex boxes, aluminium pouches, etc.
- **PC27.** load the type of spices on the machine for packaging such as whole and powdered spices, curry powders, seasonings, etc.
- PC28. set controls of the packaging machine and control the in feed
- **PC29.** monitor the packaging process to ensure compliance with the industry standards
- **PC30.** record information (manual, ERP, etc.) of finished products details as per FSSAI regulations of packaging and labelling, 2011
  - Details: name of the product, net weight, name and address (manufacturer, packer, distributor, importer, exporter or vendor), batch number, date manufacturing /packing, best before or use date, veg /non-veg logo, FSSAI registration number, ingredient declaration, nutritional value, etc.
- **PC31.** check for presence of metallic substances in the packaged spices and curry powders using organisational practices
- **PC32.** report information such as variances in product characteristics to the supervisor accurately
- **PC33.** document and maintain production records as per organisational work practices









- **PC34.** verify documents and track from finished product to ingredients, in case of quality concerns and for quality management system audits
- **PC35.** transfer the products to quality lab for analysis and shelf life study

#### Post product cleaning and regular maintenance of equipment

To be competent, the user/individual on the job must be able to:

- **PC36.** clean work area, machinery, equipment and tools using recommended cleaning agents and sanitizers after completion of production tasks
- **PC37.** inspect the tools, equipment and machinery to identify defects and ensure their upkeep and maintenance
- **PC38.** report equipment faults to the concerned department/supervisor as per organisational practice

#### **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

- **KU1.** organisational policies and procedures pertaining to spice production, quality analysis, hazard handling, reporting, documentation, etc.
- **KU2.** various types of spices that are produced in the industry
- **KU3.** ingredients used in spice production and their favorable characteristics
- **KU4.** sequence of operations to be followed for producing various types of spices
- **KU5.** how to clean the spices thoroughly
- **KU6.** tools and equipment used in spice production, their operation and safe handling
- **KU7.** how to operate the production machinery such as dryer, blender, cutting machine, sterilizer, roasting machine, sifter, etc. safely
- **KU8.** importance of sterilizing the spices
- **KU9.** importance of critical control points, its implementation and monitoring for the production process
- **KU10.** desired product parameters to be achieved the spices to be produced
- **KU11.** different grades of raw materials used in spice production and their usage
- **KU12.** usage of different mesh size as per the product requirement
- **KU13.** impact of microbial contamination in spice production and ways to prevent it
- **KU14.** sensory evaluation of different spices
- **KU15.** how to identify the variances in the characteristics of spices produced
- **KU16.** information to be recorded and type of records to be maintained for spice manufacturing
- **KU17.** how to package the spices and materials used in the process
- **KU18.** basic troubleshooting of production machinery utilised in the process
- **KU19.** applicable FSSAI regulations and importance of following them for spice production
- **KU20.** cleaning procedures such as CIP and COP followed in the food processing industry
- **KU21.** how to store the tools, equipment and related materials safely, their upkeep and maintenance
- **KU22.** information to be mentioned on the packaging labels, printing and labelling as per industry norms









- KU23. types of packaging defects and techniques used for their rectification
- KU24. impact of hazards at the workplace and safe practices for disposing them

#### **Generic Skills (GS)**

User/individual on the job needs to know how to:

- **GS1.** read and interpret information effectively
- GS2. communicate with others effectively
- **GS3.** plan and prioritise tasks as per work requirements
- **GS4.** be courteous at all times
- **GS5.** be punctual
- GS6. establish workable solutions for problems in hand in consultation with others









## **Assessment Criteria**

| Assessment Criteria for Outcomes  | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|---|-----------------|--------------------|------------------|---------------|
| Produce whole spices  | 8               | 8                  | -                | 4             |
| <b>PC1.</b> clean unprocessed whole spices thoroughly to ensure complete removal of dirt and foreign particles  | -               | -                  | -                | -             |
| <ul> <li>PC2.</li> <li>set controls of the dryer for drying the whole spices adequately and spread it out in the sun as required</li> <li>Controls of the dryer: conveyor speed, drying temperature, relative humidity, time, etc.</li> </ul> | -               | -                  | -                | -             |
| <b>PC3.</b> transfer the dried whole spices to the cutting machine safely ensuring zero spillage  | -               | -                  | -                | -             |
| <b>PC4.</b> set controls of the cutting machine to obtain the powdered whole spices for further processing  | -               | -                  | -                | -             |
| <b>PC5.</b> sterilize the whole spices by operating controls of the sterilizer (temperature, time, pressure, water level, etc.) as per standard procedure   | -               | -                  | -                | -             |
| <b>PC6.</b> monitor the process and set desired limits for critical control points (CCP) to ensure food safety and prevent contamination  | -               | -                  | -                | -             |
| <b>PC7.</b> inspect the produced samples for desired parameters such as colour, size, etc. thoroughly   | -               | -                  | -                | -             |
| <ul> <li>PC8.</li> <li>handover the produced samples to the quality lab for testing as per organisational practice</li> <li>Parameters: moisture content, colour retention, size, etc.</li> </ul>   | -               | -                  | -                | -             |
| Produce Spice and Curry Powder  | 13              | 16                 | -                | 5             |
| <b>PC9.</b> sort and grade the whole spices on the basis of colour, size, appearance, etc. as per production requirements   | -               | -                  | -                | -             |
| <b>PC10.</b> set control of the roasting machine (such as temperature and time) and monitor the process to ensure adequate roasting of the whole spice  | -               | -                  | -                | -             |









| Assessment Criteria for Outcomes  | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|---|-----------------|--------------------|------------------|---------------|
| <b>PC11.</b> carry out grinding by placing the spices safely and adjusting the grinder screens as per standard practice   | -               | -                  | -                | -             |
| <b>PC12.</b> collect the ground spices in container, bags, etc. and allow it to cool adequately   | -               | -                  | -                | -             |
| <b>PC13.</b> adjust screens in the sifting/sieving machine as per processing needs  | -               | -                  | -                | -             |
| <b>PC14.</b> sieve the spices to ensure removal of physical contaminants and required fineness for the spice powder   | -               | -                  | -                | -             |
| <ul> <li>PC15.</li> <li>operate blending machine to produce various types of curry powder as per work requirements</li> <li>Curry powder: chilli powder, turmeric powder, cumin seeds, dried mango powder, coriander powder, mustard seeds, etc.</li> </ul> | -               | -                  | -                | -             |
| <b>PC16.</b> operate the sterilization equipment(pressure, temperature, sterilization time, etc.) for the removal of microbial contaminants using industry recommended chemicals  | -               | -                  | -                | -             |
| <b>PC17.</b> set controls of the vacuum drying chamber (temperature, pressure, time, etc.) and transfer the sterilized spices for drying adequately   | -               | -                  | -                | -             |
| <b>PC18.</b> collect curry powder as per standard practice and let it cool adequately before packaging  | -               | -                  | -                | -             |
| <b>PC19.</b> handover the sample of spice and curry powder to the quality lab for testing as per standard practice  | -               | -                  | -                | -             |
| Produce Seasonings  | 6               | 8                  | -                | 2             |
| <ul> <li>PC20.</li> <li>add ingredients to prepare a mixture for blending as per type of seasoning to be produced</li> <li>Ingredients: whole spices, salt, oleoresins, spice, liquid flavors, curry, ground spices etc.</li> </ul>                         | -               | -                  | -                | -             |
| <b>PC21.</b> sieve the mixture to obtain required fineness for the seasoning to be produced   | -               | -                  | -                | -             |









| Assessment Criteria for Outcomes  | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|---|-----------------|--------------------|------------------|---------------|
| <b>PC22.</b> monitor the process and set desired limits for critical control points (CCP) to ensure food safety and prevent contamination   | -               | -                  | -                | -             |
| <b>PC23.</b> collect the seasoning as per standard practice and let it cool adequately  | -               | -                  | -                | -             |
| <b>PC24.</b> handover a sample of the seasoning produced to the quality lab for testing   | -               | -                  | -                | -             |
| <b>PC25.</b> document significant findings such as process parameters, product details, defects observed, etc. as per organisational practices  | -               | -                  | -                | -             |
| Wrap and Label the Products   | 13              | 20                 | -                | 3             |
| <ul> <li>PC26.</li> <li>load the desired packaging material on the machine appropriately to prepare for packaging</li> <li>Packaging material: jute bags, airtight glass bottles, polyester laminates, biaxially oriented polypropylene laminates, duplex boxes, aluminium pouches, etc.</li> </ul>   | -               | -                  | -                | -             |
| <b>PC27.</b> load the type of spices on the machine for packaging such as whole and powdered spices, curry powders, seasonings, etc.  | -               | -                  | -                | -             |
| PC28. set controls of the packaging machine and control the in feed   | -               | -                  | -                | -             |
| <b>PC29.</b> monitor the packaging process to ensure compliance with the industry standards   | -               | -                  | -                | -             |
| <ul> <li>PC30.</li> <li>record information (manual, ERP, etc.) of finished products details as per FSSAI regulations of packaging and labelling, 2011</li> <li>Details: name of the product, net weight, name and address (manufacturer, packer, distributor, importer, exporter or vendor), batch number, date manufacturing /packing, best before or use date, veg /non-veg logo, FSSAI registration number, ingredient declaration, nutritional value, etc.</li> </ul> | _               | _                  | _                | -             |
| <b>PC31.</b> check for presence of metallic substances in the packaged spices and curry powders using organisational practices  | -               | -                  | -                | -             |









| Assessment Criteria for Outcomes   | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|--|-----------------|--------------------|------------------|---------------|
| <b>PC32.</b> report information such as variances in product characteristics to the supervisor accurately  | -               | -                  | -                | -             |
| <b>PC33.</b> document and maintain production records as per organisational work practices   | -               | -                  | -                | -             |
| <b>PC34.</b> verify documents and track from finished product to ingredients, in case of quality concerns and for quality management system audits | -               | -                  | -                | -             |
| <b>PC35.</b> transfer the products to quality lab for analysis and shelf life study  | -               | -                  | -                | -             |
| Post product cleaning and regular maintenance of equipment   | 3               | 5                  | -                | 1             |
| <b>PC36.</b> clean work area, machinery, equipment and tools using recommended cleaning agents and sanitizers after completion of production tasks | -               | -                  | -                | -             |
| <b>PC37.</b> inspect the tools, equipment and machinery to identify defects and ensure their upkeep and maintenance                                | -               | -                  | -                | -             |
| <b>PC38.</b> report equipment faults to the concerned department/supervisor as per organisational practice   | -               | -                  | -                | -             |
| NOS Total  | 43              | 57                 | -                | 15            |









## **National Occupational Standards (NOS) Parameters**

| NOS Code            | FIC/N8515                   |
|---------------------|-----------------------------|
| NOS Name            | Produce Spice and Seasoning |
| Sector              | Food Processing             |
| Sub-Sector          | Packaged Foods              |
| Occupation          | Processing-Packaged Foods   |
| NSQF Level          | 3                           |
| Credits             | TBD                         |
| Version             | 1.0                         |
| Last Reviewed Date  | 24/02/2022                  |
| Next Review Date    | 24/02/2025                  |
| NSQC Clearance Date | 24/02/2022                  |









### FIC/N9901: Implement health and safety practices at the workplace

#### **Description**

This unit is about following health and safety procedures at the workplace.

#### Scope

The scope covers the following:

- Ensure food safety and personal hygiene
- Follow safety measures to avoid accidents
- Follow emergency procedures
- Manage infection control

#### **Elements and Performance Criteria**

#### Ensure food safety and personal hygiene

To be competent, the user/individual on the job must be able to:

- **PC1.** follow relevant practices to avoid cross contamination at all stages of food processing operations
- **PC2.** follow organisational procedures for handling items that may cause allergic reactions
- PC3. follow Good Manufacturing Practices (GMP) at the workplace. Good Manufacturing Practices: location and layout (ergonomics), cleaning and sanitation, equipment and containers, pest control, facilities (lighting, water supply, drainage and waste disposal, air quality and ventilation), food storage, transportation, and distribution (Source: Schedule IV, FSSAI Licensing and Registration, 2011)
- **PC4.** follow Good Hygiene Practices (GHP) at the workplace appropriately. Good Hygiene Practices: use of gloves, hairnets, masks, ear plugs, goggles, shoes etc; washing hands regularly; treating injuries such as cuts, boils, skin infections and grazes; preventive health check-ups; getting vaccinated whenever required. (Source: Schedule IV, FSSAI Licensing and Registration, 2011)

#### Follow safety measures to avoid accidents

To be competent, the user/individual on the job must be able to:

- **PC5.** use protective clothing/equipment for specific tasks and work conditions
- **PC6.** identify job-site hazardous work and possible causes of risk or accident at the workplace
- **PC7.** deal with hazards safely and appropriately to ensure safety of self and others as per organisational protocol
- **PC8.** use various types of fire extinguishers effectively
- **PC9.** respond promptly and appropriately to an accident situation or medical emergency
- **PC10.** provide cardio-pulmonary resuscitation (CPR) as per the requirement (e.g. cardiac arrest)

#### Follow emergency procedures

To be competent, the user/individual on the job must be able to:

- **PC11.** follow workplace emergency and evacuation procedures
- **PC12.** use safe methods to free a person from electrocution









**PC13.** administer appropriate first aid to victims in case of cuts, bleeding, burns, choking, electric shock, poisoning etc.

#### Manage infection control

To be competent, the user/individual on the job must be able to:

- **PC14.** use appropriate disinfectants to disinfect the work area and equipment as per organisational protocol
- **PC15.** ensure personal hygiene by washing hands regularly using alcohol based sanitisers and wearing personal protective equipment (PPE)
- **PC16.** report illness of self and others to the supervisor or concerned authority

#### **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

- **KU1.** meaning of hazards and risks
- **KU2.** possible causes of risk, hazard or accident in the workplace
- **KU3.** where to find all the general health and safety equipment in the workplace
- **KU4.** health and safety policy and procedures of the organization
- **KU5.** health and safety hazards commonly present in the work environment
- **KU6.** work practices and precautions used to control and prevent risks, hazards and accidents
- **KU7.** applicable standards and regulations as listed in The Food Safety and Standards Act, 2006
- **KU8.** importance of each personal protective equipment used such as eye protection, hard hats, gloves apron, rubber boots, etc.
- **KU9.** importance of ensuring personal hygiene at the workplace
- **KU10.** ways to prevent cross contamination at the workplace
- **KU11.** importance of storing food at specified temperatures
- **KU12.** various dangers associated with the use of electrical and other equipment
- **KU13.** preventive and remedial actions to be taken in the case of exposure to toxic materials
- KU14. various causes of fire and the ways to prevent them
- **KU15.** techniques of using the different fire extinguishers
- **KU16.** procedure followed for providing cardio-pulmonary resuscitation (CPR) to the affected
- **KU17.** rescue techniques applied during a fire hazard
- **KU18.** various types of safety signs and what they mean
- **KU19.** workplace emergency and evacuation procedures
- **KU20.** appropriate basic first aid treatment relevant to the condition e.g. shock, electrical shock, bleeding, breaks to bones, minor burns, resuscitation, poisoning, eye injuries
- KU21. potential injuries and ill health conditions associated with incorrect manual handing
- **KU22.** safe lifting and carrying practices
- **KU23.** safe practices to be followed for ensuring sanitisation of self and work area
- **KU24.** procedure for storing the sanitising materials appropriately

#### **Generic Skills (GS)**









User/individual on the job needs to know how to:

- GS1. write an accident/incident report in local language or English
- **GS2.** read and comprehend basic content to read labels, charts, signages, symbols and product manuals
- **GS3.** communicate with coworkers appropriately in order to clarify instructions and other issues
- **GS4.** make appropriate decisions pertaining to the concerned area of work regarding the work objective, span of authority, responsibility, laid down procedure and guidelines
- **GS5.** plan and organize the work schedule, work area, tools, equipment and materials for improved productivity
- **GS6.** identify probable solutions to the problems in hand and evaluate them
- **GS7.** seek official and authorised sources of help and guidance to resolve problems that cannot be solved at one's level of authority









## **Assessment Criteria**

| Assessment Criteria for Outcomes  | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|---|-----------------|--------------------|------------------|---------------|
| Ensure food safety and personal hygiene   | 7               | 19                 | -                | -             |
| <b>PC1.</b> follow relevant practices to avoid cross contamination at all stages of food processing operations  | 1               | 4                  | -                | -             |
| <b>PC2.</b> follow organisational procedures for handling items that may cause allergic reactions   | 1               | 4                  | -                | -             |
| PC3. follow Good Manufacturing Practices (GMP) at<br>the workplace. Good Manufacturing Practices:<br>location and layout (ergonomics), cleaning and<br>sanitation, equipment and containers, pest control,<br>facilities (lighting, water supply, drainage and<br>waste disposal, air quality and ventilation), food<br>storage, transportation, and distribution (Source:<br>Schedule IV, FSSAI Licensing and Registration,<br>2011) | 3               | 7                  | -                | -             |
| <b>PC4.</b> follow Good Hygiene Practices (GHP) at the workplace appropriately. Good Hygiene Practices: use of gloves, hairnets, masks, ear plugs, goggles, shoes etc; washing hands regularly; treating injuries such as cuts, boils, skin infections and grazes; preventive health check-ups; getting vaccinated whenever required. (Source: Schedule IV, FSSAI Licensing and Registration, 2011)                                   | 2               | 4                  | -                | -             |
| Follow safety measures to avoid accidents   | 11              | 24                 | -                | -             |
| <b>PC5.</b> use protective clothing/equipment for specific tasks and work conditions  | 2               | 4                  | -                | -             |
| <b>PC6.</b> identify job-site hazardous work and possible causes of risk or accident at the workplace   | 2               | 4                  | -                | -             |
| <b>PC7.</b> deal with hazards safely and appropriately to ensure safety of self and others as per organisational protocol   | 2               | 4                  | -                | -             |
| <b>PC8.</b> use various types of fire extinguishers effectively   | 2               | 4                  | -                | -             |
| <b>PC9.</b> respond promptly and appropriately to an accident situation or medical emergency  | 1               | 4                  | -                | -             |









| Assessment Criteria for Outcomes   | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|--|-----------------|--------------------|------------------|---------------|
| <b>PC10.</b> provide cardio-pulmonary resuscitation (CPR) as per the requirement (e.g. cardiac arrest)   | 2               | 4                  | -                | -             |
| Follow emergency procedures  | 6               | 12                 | -                | -             |
| <b>PC11.</b> follow workplace emergency and evacuation procedures  | 2               | 4                  | -                | -             |
| PC12. use safe methods to free a person from electrocution   | 2               | 4                  | -                | -             |
| <b>PC13.</b> administer appropriate first aid to victims in case of cuts, bleeding, burns, choking, electric shock, poisoning etc.             | 2               | 4                  | -                | -             |
| Manage infection control   | 6               | 15                 | -                | -             |
| <b>PC14.</b> use appropriate disinfectants to disinfect the work area and equipment as per organisational protocol                             | 3               | 7                  | -                | -             |
| <b>PC15.</b> ensure personal hygiene by washing hands regularly using alcohol based sanitisers and wearing personal protective equipment (PPE) | 1               | 4                  | -                | -             |
| <b>PC16.</b> report illness of self and others to the supervisor or concerned authority  | 2               | 4                  | -                | -             |
| NOS Total  | 30              | 70                 | -                | -             |









## **National Occupational Standards (NOS) Parameters**

| NOS Code            | FIC/N9901  |
|---------------------|--|
| NOS Name            | Implement health and safety practices at the workplace |
| Sector              | Food Processing  |
| Sub-Sector          | Generic  |
| Occupation          | Generic  |
| NSQF Level          | 3  |
| Credits             | TBD  |
| Version             | 1.0  |
| Last Reviewed Date  | 23/06/2023   |
| Next Review Date    | 23/06/2026   |
| NSQC Clearance Date | 23/06/2023   |









### FIC/N9902: Work effectively in an organisation

#### **Description**

This unit is about working effectively with others.

#### Scope

The scope covers the following:

- Communicate effectively
- Work in a team effectively
- Respect diversity

#### **Elements and Performance Criteria**

#### Communicate effectively

To be competent, the user/individual on the job must be able to:

- **PC1.** obtain complete information and instructions from designated personnel
- PC2. reciprocate understanding and seek clarifications whenever required
- **PC3.** provide information accurately and clearly
- **PC4.** use inclusive language (verbal, non-verbal and written) that is gender, disability and culturally sensitive

#### Work in a team effectively

To be competent, the user/individual on the job must be able to:

- **PC5.** plan tasks to be performed as per priority and need
- **PC6.** consult with and assist others to maximize effectiveness and efficiency at work
- **PC7.** escalate problems and grievances beyond own scope to the concerned authority
- **PC8.** take appropriate action to resolve conflicts at the workplace

#### Respect diversity

To be competent, the user/individual on the job must be able to:

- **PC9.** maintain a gender-neutral behaviour with everyone at the workplace
- PC10. empathise with People with Disabilities (PwD) and offer help, if required
- **PC11.** recognise and report incidents of harassment and discrimination to appropriate authority

#### **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

- **KU1.** organizational quality procedures and processes associated with work
- **KU2.** standards, policies, and procedures followed in the organization relevant to employment, harassment, discrimination and performance conditions
- **KU3.** reporting structure, inter-dependent functions, lines, and procedures applicable at the workplace









- **KU4.** different types of harassment and discrimination based on gender, disability, caste, religion, and culture
- **KU5.** components of effective communication and its importance
- **KU6.** importance of teamwork in organizational and individual success
- **KU7.** importance of ethics and discipline for professional success
- **KU8.** how to express and address grievances appropriately and effectively
- **KU9.** importance and ways of managing interpersonal conflict effectively
- **KU10.** different types of disabilities and the challenges faced by persons with disability (PwD)
- KU11. laws, acts and provisions defined for PwD
- KU12. importance of gender sensitivity and equality
- **KU13.** legislations, grievance redressal mechanisms, and penalties against harassment in the workplace

### **Generic Skills (GS)**

User/individual on the job needs to know how to:

- **GS1.** communicate information, doubts and concerns about work related matters in local language or Hindi/English
- GS2. read and interpret information given in local language or Hindi/English
- **GS3.** establish priorities and deadlines in consultation with other and record them
- **GS4.** be punctual
- GS5. listen to others concerns and doubts carefully and address them
- **GS6.** be courteous









## **Assessment Criteria**

| Assessment Criteria for Outcomes   | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|--|-----------------|--------------------|------------------|---------------|
| Communicate effectively  | 8               | 13                 | -                | -             |
| <b>PC1.</b> obtain complete information and instructions from designated personnel                                     | 2               | 3                  | -                | -             |
| <b>PC2.</b> reciprocate understanding and seek clarifications whenever required  | 2               | 3                  | -                | -             |
| <b>PC3.</b> provide information accurately and clearly   | 2               | 3                  | -                | -             |
| <b>PC4.</b> use inclusive language (verbal, nonverbal and written) that is gender, disability and culturally sensitive | 2               | 4                  | -                | -             |
| Work in a team effectively   | 8               | 14                 | -                | -             |
| <b>PC5.</b> plan tasks to be performed as per priority and need  | 2               | 4                  | -                | -             |
| <b>PC6.</b> consult with and assist others to maximize effectiveness and efficiency at work                            | 2               | 3                  | -                | -             |
| <b>PC7.</b> escalate problems and grievances beyond own scope to the concerned authority                               | 2               | 3                  | -                | -             |
| <b>PC8.</b> take appropriate action to resolve conflicts at the workplace  | 2               | 4                  | -                | -             |
| Respect diversity  | 6               | 12                 | -                | -             |
| <b>PC9.</b> maintain a gender-neutral behaviour with everyone at the workplace   | 2               | 4                  | -                | -             |
| <b>PC10.</b> empathise with People with Disabilities (PwD) and offer help, if required                                 | 2               | 4                  | -                | -             |
| <b>PC11.</b> recognise and report incidents of harassment and discrimination to appropriate authority                  | 2               | 4                  | -                | -             |
| NOS Total  | 22              | 39                 | -                | -             |









## **National Occupational Standards (NOS) Parameters**

| NOS Code            | FIC/N9902                           |
|---------------------|-------------------------------------|
| NOS Name            | Work effectively in an organisation |
| Sector              | Food Processing                     |
| Sub-Sector          | Generic                             |
| Occupation          | Generic                             |
| NSQF Level          | 3                                   |
| Credits             | TBD                                 |
| Version             | 1.0                                 |
| Last Reviewed Date  | 24/02/2022                          |
| Next Review Date    | 24/02/2025                          |
| NSQC Clearance Date | 24/02/2022                          |









### SGJ/N1702: Optimize resource utilization at workplace

#### **Description**

This unit is about adopting sustainable practices and optimizing use of resources, especially material, energy and waste, in day-to-day operations at work

#### Scope

The scope covers the following:

- Material conservation practices
- Energy/electricity conservation practices
- Effective waste management/recycling practices

#### **Elements and Performance Criteria**

#### Material conservation practices

To be competent, the user/individual on the job must be able to:

- **PC1.** identify ways to optimize usage of material including water in various tasks/activities/processes
- **PC2.** check for spills/leakages in various tasks/activities/processes
- **PC3.** plug spills/leakages and escalate to appropriate authority if unable to rectify
- **PC4.** carry out routine cleaning of tools, machines and equipment

#### Energy/electricity conservation practices

To be competent, the user/individual on the job must be able to:

- **PC5.** identify ways to optimize usage of electricity/energy in various tasks/activities/processes
- **PC6.** check if the equipment/machine is functioning normally before commencing work and rectify wherever required
- **PC7.** report malfunctioning (fumes/sparks/emission/vibration/noise) and lapse in maintenance of equipment
- **PC8.** ensure electrical equipment and appliances are properly connected and turned off when not in use

#### Effective waste management/recycling practices

To be competent, the user/individual on the job must be able to:

- **PC9.** identify recyclable and non-recyclable, and hazardous waste generated
- **PC10.** segregate waste into different categories
- **PC11.** dispose non-recyclable waste appropriately
- **PC12.** deposit recyclable and reusable material at identified location
- PC13. follow processes specified for disposal of hazardous waste

#### **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:









- **KU1.** potential hazards, risks and threats based on the nature of work
- **KU2.** layout of the workstation and electrical and thermal equipment used
- **KU3.** organizations procedures for minimizing waste
- KU4. efficient and inefficient utilization of material and water
- **KU5.** ways of efficiently managing material and water in the process
- KU6. basics of electricity and prevalent energy efficient devices
- **KU7.** ways to recognize common electrical problems
- **KU8.** common practices of conserving electricity
- **KU9.** usage of different colours of dustbins
- **KU10.** categorization of waste into dry, wet, recyclable, non-recyclable and items of single-use plastics
- **KU11.** waste management and methods of waste disposal
- **KU12.** common sources of pollution and ways to minimize it

#### **Generic Skills (GS)**

User/individual on the job needs to know how to:

- **GS1.** record data on waste disposal at workplace
- **GS2.** complete statutory documents relevant to safety and hygiene
- GS3. read Standard Operating Practices (SOP) documents
- **GS4.** communicate with colleagues on the significance of greening of jobs
- GS5. make timely decisions for efficient utilization of resources
- **GS6.** complete tasks efficiently and accurately within stipulated time
- **GS7.** work with supervisors/team members to carry out work related tasks
- GS8. identify cause and effect of greening of jobs









## **Assessment Criteria**

| Assessment Criteria for Outcomes  | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|---|-----------------|--------------------|------------------|---------------|
| Material conservation practices   | 4               | 8                  | -                | -             |
| <b>PC1.</b> identify ways to optimize usage of material including water in various tasks/activities/processes           | 1               | 2                  | -                | -             |
| <b>PC2.</b> check for spills/leakages in various tasks/activities/processes   | 1               | 2                  | -                | -             |
| <b>PC3.</b> plug spills/leakages and escalate to appropriate authority if unable to rectify                             | 1               | 2                  | -                | -             |
| <b>PC4.</b> carry out routine cleaning of tools, machines and equipment   | 1               | 2                  | -                | -             |
| Energy/electricity conservation practices   | 4               | 8                  | -                | -             |
| <b>PC5.</b> identify ways to optimize usage of electricity/energy in various tasks/activities/processes                 | 1               | 2                  | -                | -             |
| <b>PC6.</b> check if the equipment/machine is functioning normally before commencing work and rectify wherever required | 1               | 2                  | -                | -             |
| <b>PC7.</b> report malfunctioning (fumes/sparks/emission/vibration/noise) and lapse in maintenance of equipment         | 1               | 2                  | -                | -             |
| <b>PC8.</b> ensure electrical equipment and appliances are properly connected and turned off when not in use            | 1               | 2                  | -                | -             |
| Effective waste management/recycling practices  | 5               | 10                 | -                | -             |
| <b>PC9.</b> identify recyclable and non-recyclable, and hazardous waste generated                                       | 1               | 2                  | -                | -             |
| PC10. segregate waste into different categories   | 1               | 2                  | -                | -             |
| PC11. dispose non-recyclable waste appropriately  | 1               | 2                  | -                | -             |
| <b>PC12.</b> deposit recyclable and reusable material at identified location  | 1               | 2                  | -                | -             |
| PC13. follow processes specified for disposal of hazardous waste  | 1               | 2                  | -                | -             |









| Assessment Criteria for Outcomes | Theory | Practical | Project | Viva  |
|----------------------------------|--------|-----------|---------|-------|
|                                  | Marks  | Marks     | Marks   | Marks |
| NOS Total                        | 13     | 26        | -       | -     |









## **National Occupational Standards (NOS) Parameters**

| NOS Code            | SGJ/N1702                                  |
|---------------------|--|
| NOS Name            | Optimize resource utilization at workplace |
| Sector              | Green Jobs                                 |
| Sub-Sector          | Other Green Jobs                           |
| Occupation          | Resource Optimization                      |
| NSQF Level          | 3  |
| Credits             | 1  |
| Version             | 1.0  |
| Last Reviewed Date  | 24/02/2022                                 |
| Next Review Date    | 24/02/2025                                 |
| NSQC Clearance Date | 24/02/2022                                 |









### **DGT/VSQ/N0101: Employability Skills (30 Hours)**

#### **Description**

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

#### Scope

The scope covers the following:

- Introduction to Employability Skills
- Constitutional values Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

### **Elements and Performance Criteria**

#### Introduction to Employability Skills

To be competent, the user/individual on the job must be able to:

**PC1.** understand the significance of employability skills in meeting the job requirements

#### Constitutional values - Citizenship

To be competent, the user/individual on the job must be able to:

**PC2.** identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices

#### Becoming a Professional in the 21st Century

To be competent, the user/individual on the job must be able to:

**PC3.** explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.

#### Basic English Skills

To be competent, the user/individual on the job must be able to:

**PC4.** speak with others using some basic English phrases or sentences

#### Communication Skills

To be competent, the user/individual on the job must be able to:

**PC5.** follow good manners while communicating with others

**PC6.** work with others in a team









#### **Diversity & Inclusion**

To be competent, the user/individual on the job must be able to:

**PC7.** communicate and behave appropriately with all genders and PwD

PC8. report any issues related to sexual harassment

#### Financial and Legal Literacy

To be competent, the user/individual on the job must be able to:

**PC9.** use various financial products and services safely and securely

**PC10.** calculate income, expenses, savings etc.

**PC11.** approach the concerned authorities for any exploitation as per legal rights and laws

#### Essential Digital Skills

To be competent, the user/individual on the job must be able to:

PC12. operate digital devices and use its features and applications securely and safely

**PC13.** use internet and social media platforms securely and safely

#### Entrepreneurship

To be competent, the user/individual on the job must be able to:

PC14. identify and assess opportunities for potential business

**PC15.** identify sources for arranging money and associated financial and legal challenges

#### **Customer Service**

To be competent, the user/individual on the job must be able to:

**PC16.** identify different types of customers

**PC17.** identify customer needs and address them appropriately

**PC18.** follow appropriate hygiene and grooming standards

#### Getting ready for apprenticeship & Jobs

To be competent, the user/individual on the job must be able to:

PC19. create a basic biodata

**PC20.** search for suitable jobs and apply

PC21. identify and register apprenticeship opportunities as per requirement

#### **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

**KU1.** need for employability skills

**KU2.** various constitutional and personal values

**KU3.** different environmentally sustainable practices and their importance

**KU4.** Twenty first (21st) century skills and their importance

**KU5.** how to use basic spoken English language

**KU6.** Do and dont of effective communication

**KU7.** inclusivity and its importance

KU8. different types of disabilities and appropriate communication and behaviour towards PwD

**KU9.** different types of financial products and services









- **KU10.** how to compute income and expenses
- **KU11.** importance of maintaining safety and security in financial transactions
- **KU12.** different legal rights and laws
- **KU13.** how to operate digital devices and applications safely and securely
- KU14. ways to identify business opportunities
- KU15. types of customers and their needs
- **KU16.** how to apply for a job and prepare for an interview
- **KU17.** apprenticeship scheme and the process of registering on apprenticeship portal

#### **Generic Skills (GS)**

User/individual on the job needs to know how to:

- **GS1.** communicate effectively using appropriate language
- GS2. behave politely and appropriately with all
- **GS3.** perform basic calculations
- **GS4.** solve problems effectively
- GS5. be careful and attentive at work
- **GS6.** use time effectively
- **GS7.** maintain hygiene and sanitisation to avoid infection









## **Assessment Criteria**

| Assessment Criteria for Outcomes   | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|--|-----------------|--------------------|------------------|---------------|
| Introduction to Employability Skills   | 1               | 1                  | -                | -             |
| <b>PC1.</b> understand the significance of employability skills in meeting the job requirements  | -               | -                  | -                | -             |
| Constitutional values – Citizenship  | 1               | 1                  | -                | -             |
| <b>PC2.</b> identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices   | -               | -                  | -                | -             |
| Becoming a Professional in the 21st Century  | 1               | 3                  | -                | -             |
| <b>PC3.</b> explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc. | -               | -                  | -                | -             |
| Basic English Skills   | 2               | 3                  | -                | -             |
| <b>PC4.</b> speak with others using some basic English phrases or sentences  | -               | -                  | -                | -             |
| Communication Skills   | 1               | 1                  | -                | -             |
| <b>PC5.</b> follow good manners while communicating with others  | -               | -                  | -                | -             |
| PC6. work with others in a team  | -               | -                  | -                | -             |
| Diversity & Inclusion  | 1               | 1                  | -                | -             |
| <b>PC7.</b> communicate and behave appropriately with all genders and PwD  | -               | -                  | -                | -             |
| PC8. report any issues related to sexual harassment  | -               | -                  | -                | -             |
| Financial and Legal Literacy   | 3               | 4                  | -                | -             |
| <b>PC9.</b> use various financial products and services safely and securely  | -               | -                  | -                | -             |









| Assessment Criteria for Outcomes  | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks |
|---|-----------------|--------------------|------------------|---------------|
| PC10. calculate income, expenses, savings etc.  | -               | -                  | -                | -             |
| <b>PC11.</b> approach the concerned authorities for any exploitation as per legal rights and laws | -               | -                  | -                | -             |
| Essential Digital Skills  | 4               | 6                  | -                | -             |
| <b>PC12.</b> operate digital devices and use its features and applications securely and safely    | -               | -                  | -                | -             |
| PC13. use internet and social media platforms securely and safely                                 | -               | -                  | -                | -             |
| Entrepreneurship  | 3               | 5                  | -                | -             |
| <b>PC14.</b> identify and assess opportunities for potential business                             | -               | -                  | -                | -             |
| <b>PC15.</b> identify sources for arranging money and associated financial and legal challenges   | -               | -                  | -                | -             |
| Customer Service  | 2               | 2                  | -                | -             |
| PC16. identify different types of customers   | -               | -                  | -                | -             |
| <b>PC17.</b> identify customer needs and address them appropriately                               | -               | -                  | -                | -             |
| <b>PC18.</b> follow appropriate hygiene and grooming standards                                    | -               | -                  | -                | -             |
| Getting ready for apprenticeship & Jobs   | 1               | 3                  | -                | -             |
| PC19. create a basic biodata  | -               | -                  | -                | -             |
| PC20. search for suitable jobs and apply  | -               | -                  | -                | -             |
| <b>PC21.</b> identify and register apprenticeship opportunities as per requirement                | -               | -                  | -                | -             |
| NOS Total   | 20              | 30                 | -                | -             |









#### **National Occupational Standards (NOS) Parameters**

| NOS Code            | DGT/VSQ/N0101                   |
|---------------------|---------------------------------|
| NOS Name            | Employability Skills (30 Hours) |
| Sector              | Cross Sectoral                  |
| Sub-Sector          | Professional Skills             |
| Occupation          | Employability                   |
| NSQF Level          | 2                               |
| Credits             | 1                               |
| Version             | 1.0                             |
| Last Reviewed Date  | 23/06/2023                      |
| Next Review Date    | 23/06/2026                      |
| NSQC Clearance Date | 23/06/2023                      |

## Assessment Guidelines and Assessment Weightage

#### **Assessment Guidelines**

- 1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
- 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
- 3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
- 4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below).
- 5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on this criterion.
- 6. To pass the Qualification Pack, every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.
- 7. In case of unsuccessful completion, the trainee may seek reassessment on the









Qualification Pack.

Minimum Aggregate Passing % at QP Level: 70

(**Please note**: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

## **Assessment Weightage**

#### Compulsory NOS

| National Occupational<br>Standards                               | Theory<br>Marks | Practical<br>Marks | Project<br>Marks | Viva<br>Marks | Total<br>Marks | Weightage |
|--|-----------------|--------------------|------------------|---------------|----------------|-----------|
| FIC/N9026.Prepare for production                                 | 30              | 70                 | -                | -             | 100            | 30        |
| FIC/N8515.Produce Spice and Seasoning                            | 43              | 57                 | -                | 15            | 115            | 40        |
| FIC/N9901.Implement health and safety practices at the workplace | 30              | 70                 | -                | -             | 100            | 10        |
| FIC/N9902.Work effectively in an organisation                    | 22              | 39                 | -                | -             | 61             | 10        |
| SGJ/N1702.Optimize resource utilization at workplace             | 13              | 26                 | 0                | 0             | 39             | 5         |
| DGT/VSQ/N0101.Employability<br>Skills (30 Hours)                 | 20              | 30                 | 0                | 0             | 50             | 5         |
| Total  | 158             | 292                | 0                | 0             | 465            | 100       |









## **Acronyms**

| NOS  | National Occupational Standard(s)               |
|------|---|
| NSQF | National Skills Qualifications Framework        |
| QP   | Qualifications Pack                             |
| TVET | Technical and Vocational Education and Training |









## Glossary

| Sector                                      | Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.  |
|---|--|
| Sub-sector                                  | Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.   |
| Occupation                                  | Occupation is a set of job roles, which perform similar/ related set of functions in an industry.  |
| Job role                                    | Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.  |
| Occupational<br>Standards (OS)              | OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts. |
| Performance Criteria (PC)                   | Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.  |
| National<br>Occupational<br>Standards (NOS) | NOS are occupational standards which apply uniquely in the Indian context.   |
| Qualifications Pack<br>(QP)                 | QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.   |
| Unit Code                                   | Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'  |
| Unit Title                                  | Unit title gives a clear overall statement about what the incumbent should be able to do.  |
| Description                                 | Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.   |
| Scope                                       | Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.  |









| Knowledge and<br>Understanding (KU) | Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.   |
|-------------------------------------|--|
| Organisational<br>Context           | Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.   |
| Technical Knowledge                 | Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.   |
| Core Skills/ Generic<br>Skills (GS) | Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles. |
| Electives                           | Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.  |
| Options                             | Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.  |