

Model Curriculum for Recognition of Prior Learning (RPL)

Gardener

SECTOR: AGRICULTURE & ALLIED AGRICULTURE
SUB-SECTOR: AGRICULTURE CROP PRODUCTION
OCCUPATION: LANDSCAPING GARDENING & URBAN FARMING
REF ID: AGR/Q0801
VERSION: 3.0
NSQF LEVEL: 4

Gardener

CURRICULUM / SYLLABUS

This program is aimed at training to Recognition of Prior Learning (RPL) candidates for the job of a “Gardener”, in the “Agriculture & Allied” Sector/Industry and aims at building the following key competencies amongst the learners

Program Name	Gardener		
Qualification Pack Name & Reference ID.	AGR/Q0801		
Version No.	3.0	Version Update Date	
Pre-requisites to Training	10th Class with 2 years of relevant experience OR 10th Class Pass and pursuing continuous regular schooling OR 8th Class with 3 year relevant experience OR 5th Class with 6 year relevant experience OR Previous relevant qualification of NSQF Level 3 with minimum education as 5th grade pass with 2 Years of experience in garden operations OR Previous relevant qualification of NSQF Level 4 with minimum education as 5th grade pass with 2 Years of experience in nursery operations Minimum Age: 18 Years		
Training Outcomes: Orientation and Soft Skill	After completing this programme, participants will be able to: <ul style="list-style-type: none"> • Identify personal strengths and value systems: safe work habits, achievement motivation, time management, anger management, stress management. • Prepare for employment and self-employment: preparing for an interview, effective resume writing, basic workplace terminology. • Illustrate the basics of entrepreneurship and identify new business opportunities • Develop personality and learn general ethics and discipline • Learn about health and safety hazards and hygiene at work place • Learn effective communication skills • Learn about importance of RPL certification and process of assessment 		

**Training Outcomes:
Bridge Course**

After completing this programme, participants will be able to:

- Demonstrate the process of raising saplings in the nursery for transplanting in the garden.
- Describe various activities required to prepare for setting up the garden.
- Describe the process of planning and setting up a garden.
- Demonstrate the process of setting up the garden as per a plan.
- Demonstrate the process of carrying out maintenance of the garden.
- Explain the importance of practising inclusion and gender equality at work.
- Demonstrate various practices to maintain personal hygiene, cleanliness, and safety at the
- workplace.
- Demonstrate the process of designing, setting up and maintaining a rooftop garden.

Orientation and Soft Skill Details

Sr. No.	Module	Key Learning Outcomes	Equipment Required
A.	Orientation, General Discipline, doubts/gaps in Domain Training and Health and Safety		
1.	Orientation, General Discipline, doubts/gaps in Domain Training and Health and Safety Theory Duration (hh:mm) 06:00 Practical Duration (hh:mm) 00:00	<ul style="list-style-type: none"> • Domain Training (clarifying any doubts/gaps regarding Job Role) • Understanding Qualification Packs, NOS • Understanding about NSQF framework and applied level descriptors • Understand skill development ecosystem, roles of various stakeholders • Recognize the importance of general discipline in the class room (dos and don'ts) • List expectations from the program • Outline the objectives of the RPL and importance of skill and certification • Identify risks to health and safety at the workplace and measures to be taken to control them 	White Board, Marker, Laptop, projector,
B.	Soft Skills and Entrepreneurship Tips specific to the Job Role		
1.	Entrepreneurship Theory Duration (hh:mm) 02:00	<ul style="list-style-type: none"> • Discuss the concept and significance of entrepreneurship and the characteristics of an entrepreneur • List the traits of an effective team and team dynamics • Resolve problems by identifying important problem-solving traits • Discuss how to identify new business opportunities within your business • Follow the entrepreneurial process and explain the entrepreneurship ecosystem • Identify key schemes of the govt. and banks to promote entrepreneurship • Define the relationship between entrepreneurship and risk appetite and entrepreneurship and resilience • Importance of book keeping and accounts management. • Understand market dynamics and value chain of agri products. • Understanding formation of cooperatives, FPO, FPC and enterprise creation 	Laptop, white board, marker and projector, SWOT activity: pen and paper individual exercise, charts, coloured pens, Group Activity: poster making on entrepreneurship ecosystem. Activity: SMART Goal writing

	Personal Strengths and Value Systems Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 00:00	<ul style="list-style-type: none"> • Self-Improvement, inculcate leadership qualities. • Importance of Discipline in managing small business. • Discuss how to maintain a positive attitude • List your strengths and weaknesses • Describe the importance of honesty in entrepreneurs • Discuss the benefits of time management and applied techniques • Apply tips for anger management and stress management • Effective interpersonal skills, listening and speaking skills. 	Workbook exercises on health standards, Laptop, activity on strengths and weaknesses, white board, marker, projector
	Preparing for Employment and Self-Employment Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 00:00	<ul style="list-style-type: none"> • Follow the steps to prepare for an interview • Create an effective Resume • Conduct mock interviews • Identify the most frequently asked interview questions and how to answer them 	Laptop, white board, marker, projector, sample CVs, Mock interviews, role plays, role play briefs, FAQs, quiz on basic workplace technologies.
C.	Familiarization with Assessment Process and Terms		
1	Familiarization with Assessment Process and Terms (hh:mm) 02:00	<ul style="list-style-type: none"> • Familiarization about assessment process • Understanding the need of assessment • Preparation tips for assessment • Doubt clearance session 	
	Total Duration: Theory Duration (hh:mm) 12:00 Practical Duration (hh:mm) 00:00	Laptop, white board, marker and projector, SWOT activity: pen and paper individual exercise, charts, coloured pens, Group Activity: poster making on entrepreneurship ecosystem. Activity: SMART Goal writing	

Bridge Course Details

This course encompasses 7 out of 7 National Occupational standards NOS) of “Gardener” Qualification Pack issued by “Agriculture Skill Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Introduction to the role of a Gardener Theory Duration (hh:mm) 01:00</p> <p>Practical Duration (hh:mm) 00:00</p>	<ul style="list-style-type: none"> Describe the size and scope of the agriculture industry and its sub-sectors. Discuss the role and responsibilities of a Gardener. Identify various employment opportunities for a Gardener 	Training kit - Trainer guide, Presentations, Whiteboard, Marker, projector, laptop
2	<p>Propagation of plants in a nursery Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 05:00</p> <p>Corresponding NOS Code AGR/N0801</p>	<ul style="list-style-type: none"> List different types of plants grown in gardens according to the season. Describe different methods of propagating plants in a nursery. Describe & demonstrate the process of preparing a nursery bed and seedbed. Show how to sort out and treat the seeds before sowing them. Demonstrate the process of propagating plants through cutting, root division, layering, and budding methods. Prepare a sample record of nursery operations. 	Seedling Tray, sacks, polythene, watering cans and equipment, shade net, greenhouse, shade house, plant labels, labellers, spade, khurpi
3	<p>Preparation for setting up the garden Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 03:00</p> <p>Corresponding NOS Code ARG/N0802</p>	<ul style="list-style-type: none"> Describe the process of assessing the soil and climate characteristics at a proposed site to establish suitability for planting a garden. Describe the process of coordinating with an authorized lab to identify the soil’s micro and macro-nutrient requirements. List various trees, plants, shrubs, grass, hedges and edges used for setting up a garden. Describe the process of preparing a layout for setting up a garden. Demonstrate the process of applying the necessary treatment to improve the soil’s fertility. Prepare a sample layout for setting up a garden. 	Samples of accessories, conduit pipes, drain boards, GC fabric, working drawings: irrigation layout, electric lines layout, concept drawing etc.
4	<p>Process of establishing the garden Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 04:00</p>	<ul style="list-style-type: none"> Describe & demonstrate the process of preparing the field for planting. Describe & demonstrate the process of planting various types of trees, plants, shrubs, hedges and edges. Describe the process of preparing a flower bed. Describe the process of installing different types of irrigation systems. 	Hedge cutter, shears, loppers, sprayers, plant labels, pesticides, weedicides, fertilizers, water pumps and equipment, watering timers, and controllers

	<p>Corresponding NOS Code AGR/N0803</p>	<ul style="list-style-type: none"> List different garden features and describe their installation process. Show how to apply fertilizers, manure and mulch Explain the benefits of resource optimization. Show how to set up various garden features such as walkways, statues, and fountain. 	
5	<p>Maintenance of the garden Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 07:00 Corresponding NOS Code AGR/N0842</p>	<ul style="list-style-type: none"> Describe the use of different types of fertilizers, pesticides, and insecticides. Explain macro and micronutrient management of various types of horticultural plants, trees, shrubs, hedges and edges. Describe & demonstrate the process of training and pruning a variety of plants, trees, shrubs, hedges and edges. Describe various weed control methods Prepare a sample record of insecticides and pesticides used in the garden. Show how to maintain a variety of garden features. 	<p>Kassi / Spade, Khurpi, Weeder, Side shear, Broom, Rake, Watering Can, Hand hose, Bucket, Plant Pruner, Wheel Barrow, Hand Sprayer, Budding & Grafting Set, Earthen Pots, Hedge Cutter, Polythene Bags (Garbage), Seed Packets, Gunny bags, Tags-labels, Budding-tape, Sutli, Moss-grass, etc.</p>
6	<p>Process of designing, setting up and maintaining a rooftop garden Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 05:00 Corresponding NOS Code AGR/N0843</p>	<ul style="list-style-type: none"> Explain various parameters to assess while planning a rooftop garden. Explain the importance of planning rooftop garden plants and features according to the roof's loading capacity. Explain different ways of waterproofing a rooftop garden. List varieties of trees, plants, and shrubs suitable for a rooftop garden. Prepare a sample plan for the rooftop garden. Demonstrate the process of carrying out repair and maintenance of the rooftop garden, garden features, irrigation and drainage system 	
7	<p>Hygiene and cleanliness, Safety and emergency procedures Theory Duration (hh:mm) 01:00</p> <p>Practical Duration (hh:mm) 01:00 Corresponding NOS Code</p>	<ul style="list-style-type: none"> Explain the requirements of personal health, hygiene and fitness at work. Demonstrate the correct way of washing hands using soap and water, and alcohol-based hand rubs. Describe the hazards caused due to chemicals/pesticides/fumigants. Demonstrate emergency procedures to the given workplace requirements. 	<p>Personal Protective Equipment, Cleaning Equipment and Materials, Sanitizer, Soap, Mask</p>

	AGR/N9903		
8	Employability Skills Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 00:00 Corresponding NOS Code DGT/VSQ/N0102	Entrepreneurship <ul style="list-style-type: none"> • Explain the types of entrepreneurship and enterprises • Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan • Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement • Create a sample business plan, for the selected business opportunity. 	
	Total Duration: Theory Duration (hh:mm) 23:00 Practical Duration (hh:mm) 25:00 Grand Total Bridge Course Duration: (hh:mm) 48:00	Unique Equipment Required: Kassi / Spade, Khurpi, Weeder, Side shear, Gardner Rake, Watering Can, Hand hose, Plant Pruner, Wheel Barrow, Hand Sprayer, Budding & Grafting Set, Earthen Pots, Hedge Cutter, Seed Packets- Any crops, Gunny bags, Tags-labels, Moss-grass, Shed net, face Masks, Gum/ Safety boots, Secateur, Hand Gloves, Plastic Pots, Video recording Equipment	

Grand Total Course Duration: 12 (Orientation session) + 48 (Bridge Course) = 60 Hours, 0 Minutes