

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

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 learner

Program Name	Gardener		
Qualification Pack Name & Reference ID.	AGR/Q0801		
Version No.	1.0	Version Update Date	
Pre-requisites to Training	5th Standard Passed		
Training Outcomes: Orientation and Soft Skill	<p>After completing this programme, participants will be able to:</p> <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	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Identify and use basic tools, equipment & materials: Effectively identify, select & use the specified tools and equipment relevant to gardening works. • Prepare root stocks: Preparing root stocks for grafting, budding • Layout and design the Garden component: Area Measurement and planning for the layout and design of garden. Proper landscaping. • Maintain the Garden: identify and select the tools for Pruning, training, trimming and develop healthy Garden. • Become well versed with Environment Health & Safety: Well versed with health and safety measures in terms of personal safety and others as well. 		

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.	<p>Orientation, General Discipline, doubts/gaps in Domain Training and Health and Safety</p> <p>Theory Duration (hh:mm) 06:00</p> <p>Practical Duration (hh:mm) 00:00</p>	<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.	<p>Entrepreneurship</p> <p>Theory Duration (hh:mm) 02:00</p>	<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 	<p>Laptop, white board, marker and projector,</p> <p>SWOT activity: pen and paper individual exercise, charts, coloured pens, Group Activity: poster making on entrepreneurship ecosystem.</p> <p>Activity: SMART Goal writing</p>

	<p>Personal Strengths and Value Systems</p> <p>Theory Duration (hh:mm) 01:00</p> <p>Practical Duration (hh:mm) 00:00</p>	<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. 	<p>Workbook exercises on health standards, Laptop, activity on strengths and weaknesses, white board, marker, projector</p>
	<p>Preparing for Employment and Self-Employment</p> <p>Theory Duration (hh:mm) 01:00</p> <p>Practical Duration (hh:mm) 00:00</p>	<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 	<p>Laptop, white board, marker, projector, sample CVs, Mock interviews, role plays, role play briefs, FAQs, quiz on basic workplace technologies.</p>
C.	Familiarization with Assessment Process and Terms		
1	<p>Familiarization with Assessment Process and Terms</p> <p>(hh:mm) 02:00</p>	<ul style="list-style-type: none"> • Familiarization about assessment process • Understanding the need of assessment • Preparation tips for assessment • Doubt clearance session 	
	<p>Total Duration:</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 00:00</p>	<p>Laptop, white board, marker and projector,</p> <p>SWOT activity: pen and paper individual exercise, charts, coloured pens,</p> <p>Group Activity: poster making on entrepreneurship ecosystem.</p> <p>Activity: SMART Goal writing</p>	

Bridge Course Details

This course encompasses 4 out of 4 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</p> <p>Theory Duration (hh:mm) 01:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Code</p>	<ul style="list-style-type: none"> Understand the Role of a Gardener Study the Planting materials for gardening. 	Laptop, white, board, marker, projector
2	<p>Nursery Management and Propagation of Plant Material</p> <p>Theory Duration (hh:mm) 11:00</p> <p>Practical Duration (hh:mm) 14:30</p> <p>Corresponding NOS Code AGR / N0801</p>	<ul style="list-style-type: none"> Identify appropriate garden crops as per soil & climatic conditions. Prepare nursery bed & seedlings Transplant the seedlings Maintain farm book keeping Prepare the root stocks and practice Propagation techniques. Practice cutting, grafting, budding and layering techniques Establish the physical infrastructure like shade house, green house, mist chamber, irrigation system. Gain knowledge about the Water, Media & Nutrition requirement for garden crops. Study the Fertilizer requirement of garden crops. Practice Pest & Disease Management of garden crops. Understand the irrigation methods /requirements of garden crops. Maintain cleanliness in nursery by sweeping trashes and pulling out dead plant parts etc. 	Laptop, white, board, marker, projector, Seedling Tray, sacks, polythene, watering cans and equipments, shade net, greenhouse/shade house, plant labels, labellers, spade, khurpi

Sr. No.	Module	Key Learning Outcomes	Equipment Required
3	<p>Designing of Garden Components</p> <p>Theory Duration (hh:mm) 06:00</p> <p>Practical Duration (hh:mm) 07:00</p> <p>Corresponding NOS Code AGR/N0802</p>	<ul style="list-style-type: none"> Understand the features of Garden. Gain knowledge about the different types of Garden Plan for the Design and Layout of Gardens. Layout & prepare the lawn Layout of orchard, plant fruit plants in the field Understand the different components of garden. Implement the techniques to beautify the gardens. 	Laptop, white board, marker, projector, spade, khurpi, shears, loppers, hedge cutters
4	<p>Plantation, Maintenance and Care of Garden</p> <p>Theory Duration (hh:mm) 11:00</p> <p>Practical Duration (hh:mm) 15:30</p> <p>Corresponding NOS Code AGR/N0803</p>	<ul style="list-style-type: none"> Understand the seasonal Gardening and Ground maintenance. Understand the different planting and Culture of Floral Display. Understand and perform the irrigation maintenance in the garden. Practice Pest and Disease management. Perform filed operations like Maintain Lawn and Turf, Mowing, Fertilizing, Weeding, Irrigation, Aeration and Renovation. Gain knowledge about the different Plant and Culture of Trees, shrubs etc. Identify different fruit plants & ornamental plants Prepare pot mixtures, potting & repotting of plants Prune shrubs, hedge, edge & topiary Collect soil samples for soil analysis Identify vegetable seed, garden tools & implements Prepare Bordeaux mixture Prepare spray solution, handling sprayers & dusters 	Laptop, white board, marker, projector, Hedge cutter, shears, loppers, sprayers, plant labels, pesticides, weedicides, fertilizers, water pumps and equipments, watering timers and controllers

Sr. No.	Module	Key Learning Outcomes	Equipment Required
5	<p>Health & Safety at the work place</p> <p>Theory Duration (hh:mm) 01:30</p> <p>Practical Duration (hh:mm) 00:30</p> <p>Corresponding NOS Code AGR/N9903</p>	<ul style="list-style-type: none"> • Understand the basic safety measures. • Understand the minimization of environmental damage during farm operations. • Proper use of equipment. • Practice General safety and first aid 	Hand Gloves, Mask, Pair of shoes, first aid kit
	<p>Total Duration:</p> <p>Theory Duration (hh:mm) 30:30</p> <p>Practical Duration (hh:mm) 37:30</p> <p>Grand Total Bridge Course Duration: (hh:mm) 68:00</p>	<p>Unique Equipment Required:</p> <p>Laptop, white board, marker, projector, Seedling Tray, sacks, polythene, watering cans and equipments, shade net, green house/shade house, plant labels, labellers, spade, khurpi, shears, loppers, hedge cutters, sprayers, plant labels, pesticides, weedicides, fertilizers, water pumps and equipments, watering timers and</p>	

Grand Total Course Duration: 12 (Orientation session) + 68 (Bridge Course) = 80 Hours, 0 Minutes