
Dairy Farmer/ Entrepreneur

(Model Curriculum for Recognition of Prior Learning)

SECTOR: AGRICULTURE & ALLIED
SUB-SECTOR: DAIRYING
OCCUPATION: DAIRY FARM MANAGEMENT
REF ID: AGR/Q4101, V1.0
NSQF LEVEL: 4

Dairy Farmer/ Entrepreneur

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Dairy Farmer/ Entrepreneur”, in the “Agriculture & Allied” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Dairy Farmer/ Entrepreneur		
Qualification Pack Name & Reference ID. ID	AGR/Q4101, v1.0		
Version No.	1.0	Version Update Date	
Pre-requisites to Training	No entry level barrier; 5th Standard Passed preferable.		
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"> Efficiently start and manage a Dairy farm: Dairy Industry, Input requirements, site selection, cattle selection, budget estimation, procurement of inputs, etc. Construct and maintain shed for cattle: Resources availability, shed construction-types, maintenance of shed Prepare and give recommended feed and water for livestock: Feed Nutrients composition, Feed requirements Maintain health of livestock along with productivity: vaccination of cattle, Nutrients requirements, Understand and prepare forage: Forage types, types of storage Effectively market dairy products like milk, curd, cheese: Milk products, Manufacturing, standards, market value, marketing of the product Ensure safe and clean dairy farm: hygiene maintenance 		

1. 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	

2. Bridge Course Details

This course encompasses 8 out of 8 National Occupational Standards (NOS) of “Dairy Farmer/ Entrepreneur” 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) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> • Understand Role of a Dairy Farmer • Differentiate Health and sick animals • Understand the Symptoms of sick animals • Learn and Practice Basic skills of communication • Learn and Practice Basic reading capabilities to enable reading of signs, notices and/or cautions at site. 	Laptop, white board, marker, projector
2	<p>Prepare and Maintain livestock accommodation</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code AGR/N4801</p>	<ul style="list-style-type: none"> • Understand the accommodation needs of livestock • Understand the different type of accommodation head to head or tail to tail • Understand the best balance between animal health and well-being and available source • Use of recognize tool/ equipment used for preparation of accommodation • Understand the different method of waste handling management • Plan and follow the routine cleaning of animal shed 	Laptop, white board, marker, projector, rope, first aid kit
3	<p>Establish Livestock within accommodation</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code AGR/N4802</p>	<ul style="list-style-type: none"> • Understand the required suitable personal protective equipment while establishing live stock in accommodation • Check the suitable environment condition of the accommodation livestock within it • Follow the proper handling to minimize stress • understand and follow the safety procedures • Ensure cleanliness and follow proper method of waste disposal 	Laptop, white board, marker, projector

4	<p>Provide Feed and Water for Livestock</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code AGR/N4805</p>	<ul style="list-style-type: none"> • Understand the feed composition and quality • Understand the nutrients requirement for animal • Identify and look you're the inputs required for the feed preparation • Arrange for various feed and feed supplements essential for animal nutrition and growth • Follow the Feeding hart and store feed appropriately • Prepare feed with the mixture of right Components or procure quality compound feed from supplier • Provide the feed and water to cattle • understand the wastage minimization 	Laptop, white board, marker, projector, first aid
5	<p>Maintain-Healthy Performance of Livestock</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code AGR/N4104</p>	<ul style="list-style-type: none"> • Understand the healthy animal parameters • Treat animal as per animal welfare regulations • Monitor the physical condition of animal at suitable intervals and recognise record and report any abnormal sign • Check live stock for presence of external parasites • Understand the health maintenance procedures of livestock • Understand the pregnancy period of cattle • Take care during pregnancy • Understand handling of calf • Record the health check-up of the animal and treatment provided 	
6	<p>Performing Hand and Machine Milking</p> <p>(hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 06:00</p> <p>Corresponding NOS Code AGR/N4807</p>	<ul style="list-style-type: none"> • Understand the pre-milking, milking and post milking activity • Understand the Mastitis disease and precaution to be taken • identify and use the milking machine and equipment • understand the adjustment of machine and equipment • understand and perform proper milking procedure • understand right milking technique • Follow procedure for Clean milk production 	Laptop, white board, marker, projector

7	<p>Forage Conservation</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 06:00</p> <p>Corresponding NOS Code AGR/N4808</p>	<ul style="list-style-type: none"> • Gain knowledge about different fodder crops • Understand the right time harvesting of crops • Identify and use the tools and equipment for preparation of forage • Understand the method of forage conservation - hay making, silage preparation chemical treatment etc. • Understand the method of minimization of spoilage 	Laptop, white board, marker, projector
8	<p>Maintain Health and safety at the work place</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code AGR/N4810</p>	<ul style="list-style-type: none"> • Maintain a clean and efficient workplace • Render appropriate emergency procedures • Practice general safety and first aid 	Laptop, white board, marker, projector
	<p>Total Duration</p> <p>Theory Duration 32:00</p> <p>Practical Duration 36:00</p>	<p>Unique Equipment Required: Laptop, white board, marker, projector, first aid kit</p>	

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