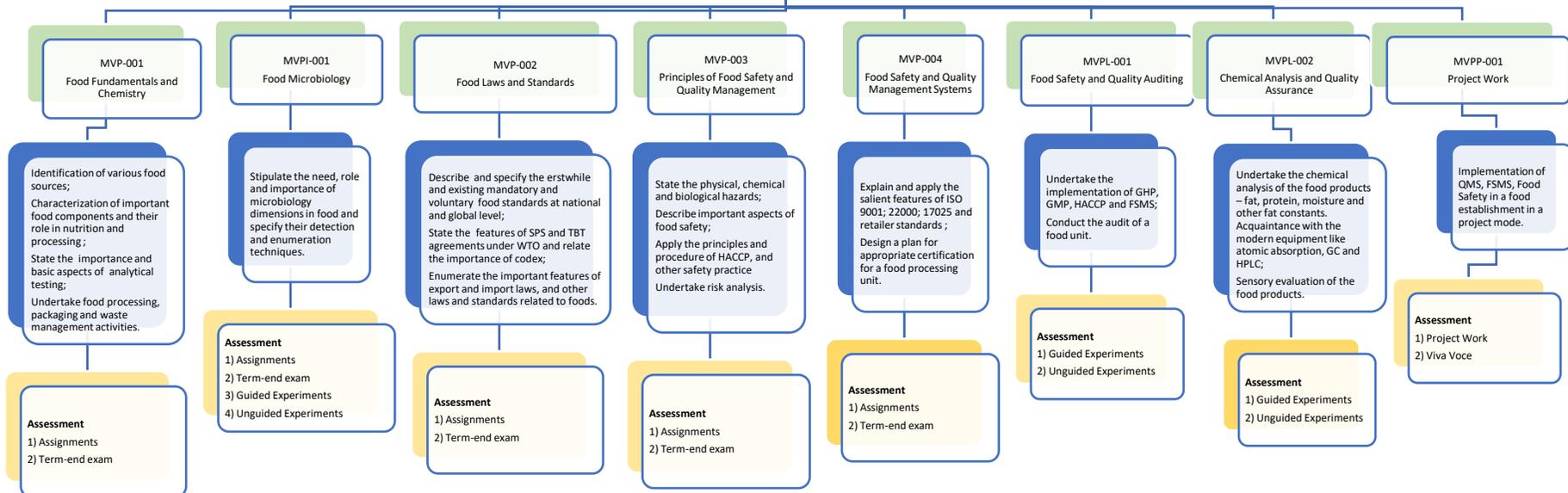


PG Diploma in Food Safety and Quality Management (PGDFSQM)

- Ensure the safety and quality of food products as per mandatory legal requirements and voluntary standards including export regulations, if required;
- Design and implement: Good Hygienic Practices (GHP), Good Manufacturing Practices (GMP), Hazard Analysis and Critical Control Point (HACCP), Quality Management Systems (QMS): ISO 9001, Food Safety Management Systems (FSMS) : ISO 22000, Environmental Management Systems: ISO 14001, Laboratory Management System: ISO 17025 and Retail Standards ;
- Be able to effectively plan, conduct, report and audit as per the guidelines of the ISO 19011-2002; and
- Undertake standard microbiological and chemical analysis of Food Products.



Post Graduate Diploma in Plantation Management
(PGDPM)

- To develop competent professionals in the Plantation Industry;
- To impart knowledge and skills in production, processing, marketing and finance management in the plantation sector, and
- To upgrade the technical proficiency of professional working in the Plantation Industry.

MAM-001
Introduction to Plantation Management

define plantation crops and plantation industry, describe commodities from the plantations and their contribution to the National economy, discuss the extent of area under major crops, production, and domestic consumption and import-export perspectives, identify the importance of plantation management and the skill requirements for effective management, explain the role of Commodity Boards and their contribution to the development and promotion of the plantation sector, describe the principles of technology operations management with special reference to the plantation context, recognize entrepreneurial values and opportunities in the plantation situations, realize the implications of International Agreements relevant to plantation crops as well as the importance of trade agreements, and Explain the implications of globalisation and its relevance to the functioning and development of the plantation sector in the developing countries including India.

Assessment
1) LO 1) to LO 7): Assignment
2) Term-End Exam

MAM-002
Crop Production Technology

familiarize with principles and practices of crop production and management in respect of seven major plantation crops; highlight the importance and need for production of various commodities utilizing inputs of organic origin.

Assessment
1) LO 1) to LO 2): Assignment
2) Term-End Exam

MAM-003: Post harvest Management and Value Addition

explain how clean and quality products could be obtained from the major plantation crops and indicate the potentials for value addition so that the Indian export scenario could be made more competitive globally.

Assessment
1) LO 1) to LO 2): Assignment
2) Term-End Exam

MAM-004
Human Resource, Marketing and Financial Management

role of HRM in a changing business environment in relation to plantation Management
familiarize with trading procedure and marketing management of plantation products
elaborated the significant role of finance management which has vital functions to keep the plantation business sustainable

Assessment
1) LO 1) to LO 3): Assignment
2) Term-End Exam

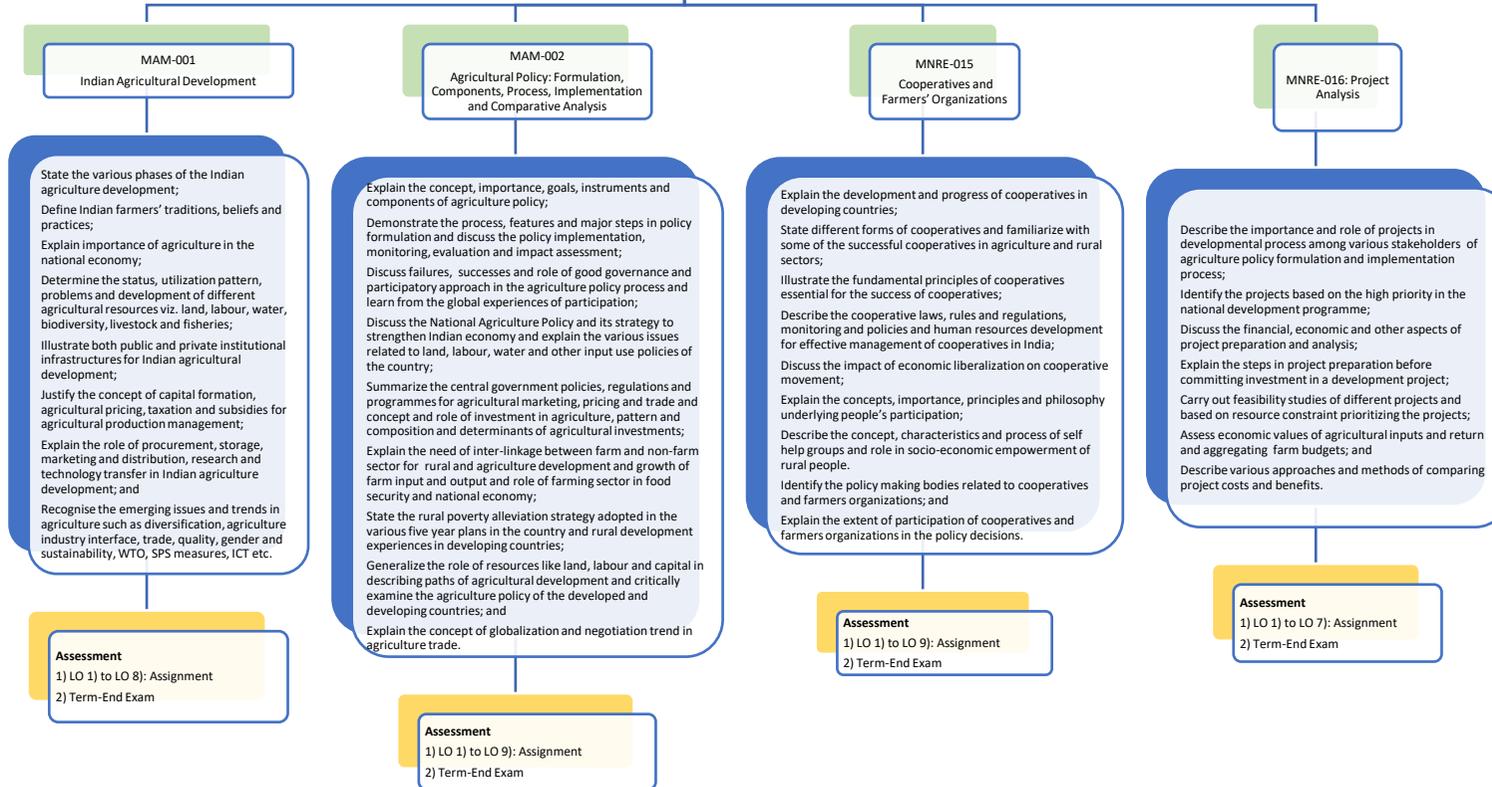
MAMP-001
Project Work

explain the major theoretical and philosophical approaches to research enabling you to select an appropriate research topic;
acquire proper knowledge and skills for application to practical research;
briefly discuss methods of data collection, analysis of data and interpretation of results, and develop the ability to prepare project report based on research results.

Assessment
1) LO 1) to LO 4): Assignment
2) Term-End Exam

Post Graduate Certificate in Agricultural Policy (PGCAP)

- Create understanding of the salient features of the agriculture policy framework among policy makers, implementers and other stakeholders of the system for its effective implementation.
- Develop human resource for:
 - Identification of strategic issues with reference to national policies in agriculture;
 - Analysis of policy aspects and its operationalization; and
 - Development of an implementation framework for agriculture and rural development policies.



Diploma in Watershed Management (DWM)

- Develop human resource for watershed development;
- Explain the principles of the watershed management and the value of working in a watershed;
- Generate awareness of sustainable development and maintenance of natural resources;
- Describe different techniques for accessing and predicting physical, chemical and socioeconomic conditions within a watershed including water quality;
- Mobilization and capacity building of rural youth, women and landless; and
- Develop skills for development of small scale irrigation and water supply structures for human and livestock through water and soil conservation strategies.

BNRI-101 Introduction to Watershed Management

explain importance of watershed management;

- describe major watershed characteristics and criteria for selection of watersheds;
- describe institutional arrangements for implementation of watershed programmes in the country;
- explain the role of information technology in watershed management.

classify watershed area into different land capability classes.

- Assessment**
- 1) Assignments
 - 2) Term-end exam
 - 3) Guided Experiments
 - 4) Unguided Experiments

BNRI-102 Elements of Hydrology

explain principle and importance of hydrologic cycle in water budgeting;

- calculate and estimate runoff volume;
- describe characteristics of water flow in open channels and pipes;
- compute the velocity of flowing water and discharge in an open channel;

enlist non-recording and recording types of rain gauges to measure rainfall.

- Assessment**
- 1) Assignments
 - 2) Term-end exam
 - 3) Guided Experiments
 - 4) Unguided Experiments

BNRI-103 Soil and Water Conservation

explain the causes and processes of erosion;

- measure soil loss due to water and wind;
- describe biological and engineering measures for erosion control;
- explain different water storage structures, their planning, design and construction;
- explain concept of roof water harvesting, its need and benefits;
- describe the methods of construction and maintenance of different components of rooftop rainwater harvesting systems;

describe the importance, need, concept and methods of artificial groundwater recharge.

- Assessment**
- 1) Assignments
 - 2) Term-end exam
 - 3) Guided Experiments
 - 4) Unguided Experiments

BNRI-104 Rainfed Farming

characterize rainfed farming regions with respect to variations in rainfall, soil type, land use, etc;

- explain trend and patterns of weather aberrations; and weather forecasting.
- describe importance of integrated farming systems in rainfed areas;
- explain indigenous technical knowledge, on-field water conservation;

explain methods of irrigation, importance of irrigation scheduling and different aspects of utilization of harvested water.

- Assessment**
- 1) Assignments
 - 2) Term-end exam
 - 3) Guided Experiments
 - 4) Unguided Experiments

BNRI-105 Livestock and Pasture Management

discuss different breeding techniques for improving production and reproduction;

- develop strategies for control and eradication of diseases in your area/locality;
- explain the feeding of different category of animals based on their physiological condition;
- summarize the package of practices for common forages;
- explain the method of hay and silage making and the processes involved in it;
- justify the need for social forestry and community-based pasture management..

- Assessment**
- 1) Assignments
 - 2) Term-end exam
 - 3) Guided Experiments
 - 4) Unguided Experiments

BNRI-016 Horticulture and Agroforestry System

explain importance, concepts and potentials of agroforestry;

- describe the concepts of natural resource survey and economic consideration in context of agroforestry;
- explain different types of nursery, designing and structure along with types of green and net houses used for nursery raising;
- explain general package and practices for fruit and vegetable production;
- explain the process of value addition of fruits and vegetables along with importance of labelling;
- describe fresh products marketing system and policies along with transportation and storage; and
- explain the importance of conservation of medicinal and aromatic plants.

- Assessment**
- 1) Assignments
 - 2) Term-end exam
 - 3) Guided Experiments
 - 4) Unguided Experiments

BNRI-107 Funding, Monitoring and capacity Building

describe the funding arrangements for watershed projects;

- explain the structure, characteristics, functioning and relevance of the micro-finance in a watershed development;
- explain the importance of monitoring and evaluation in watershed development projects;
- describe the importance of capacity building for effective implementation of watershed programmes; and
- explain the importance of extension education and communication technologies in watershed extension work.

- Assessment**
- 1) Assignments
 - 2) Term-end exam
 - 3) Guided Experiments
 - 4) Unguided Experiments

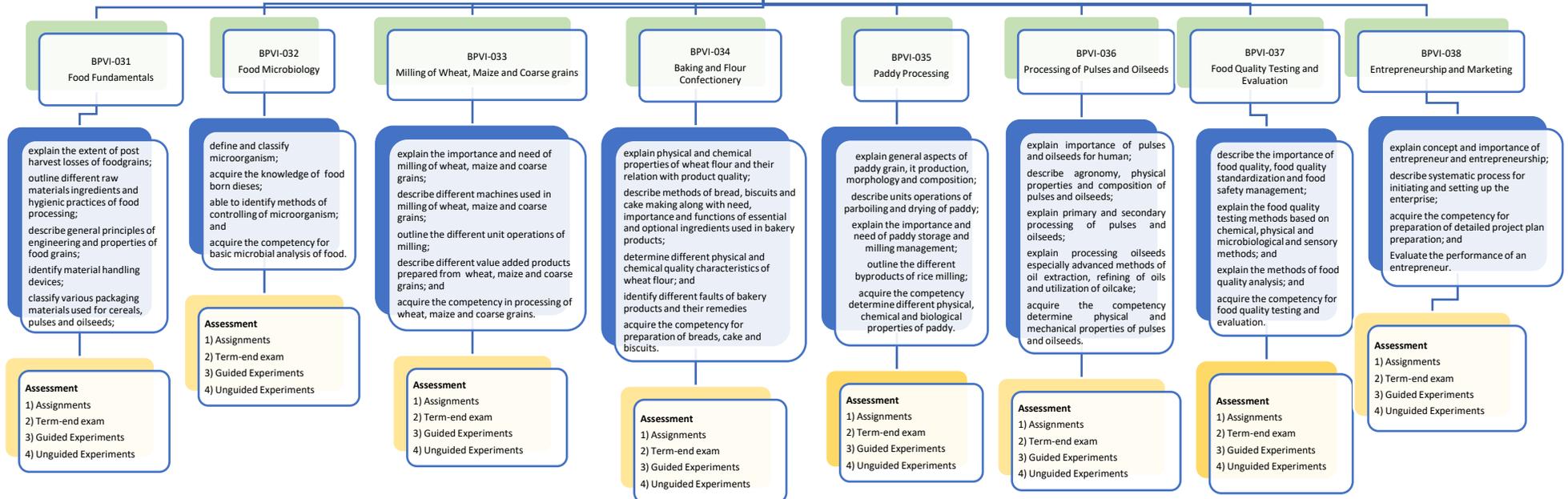
BNRP-108 Project Formulation

develop detailed project report by outlining specific problems and seeking feasible solutions..

- Assessment**
- 1) Project evaluation
 - 2) Viva-Voce Exam

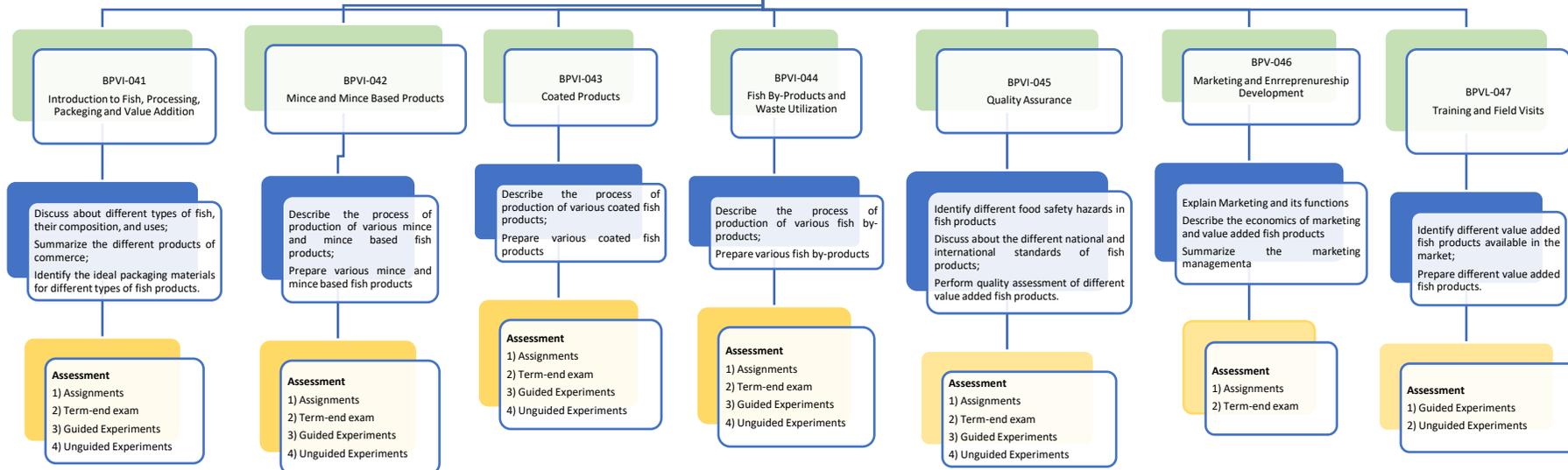
Diploma in Production of Value Added Products from Cereals, Pulses and Oilseeds (DPVCPO)

- develop technician level human resource for food industry based on cereals, pulses and oilseeds.
- develop technical proficiency of existing work force working in this sector.
- develop youth as young entrepreneurs for self- employment in the Food Industry based on cereals, pulses & oilseeds and allied activities.
- impart knowledge and technical proficiency in Processing of cereals, pulses & oilseeds into value added products; Post-harvest operations involved in cereals, pulses & oilseeds; Prevention of losses in raw and processed produce; Manufacture and production of various products based on above crops; Marketing and distribution of finished products at maximum economic returns; and Managing small and medium enterprises.



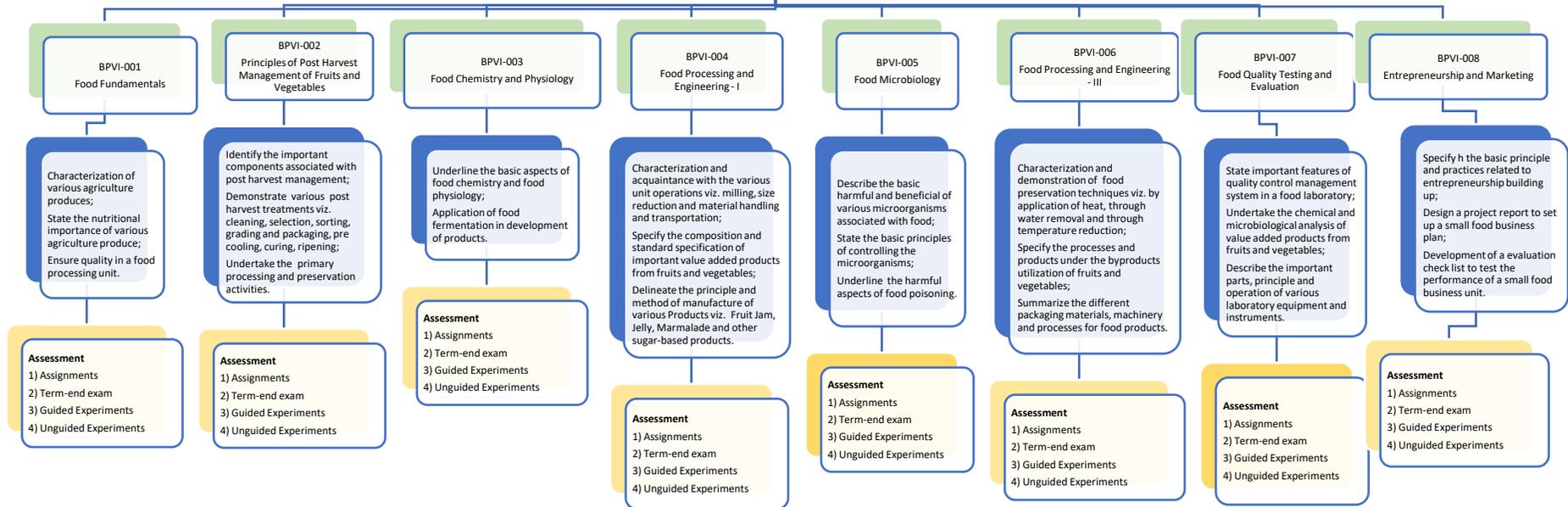
Diploma in Fish Products Technology (DFPT)

- Develop competent human resource in the field of post-harvest management of Fish and production of value added products from them;
- Inculcate vocational and entrepreneurial skills to widen employment opportunities, particularly among rural youth and the disadvantaged sections of the society as well as self-employment;
- Impart basic knowledge and technical proficiency in Post-Harvest Management, primary processing of fish, value addition, quality control and marketing; and
- Training of personnel for self-employment and creating awareness and competency in the fish processing as well as fish products preparation.



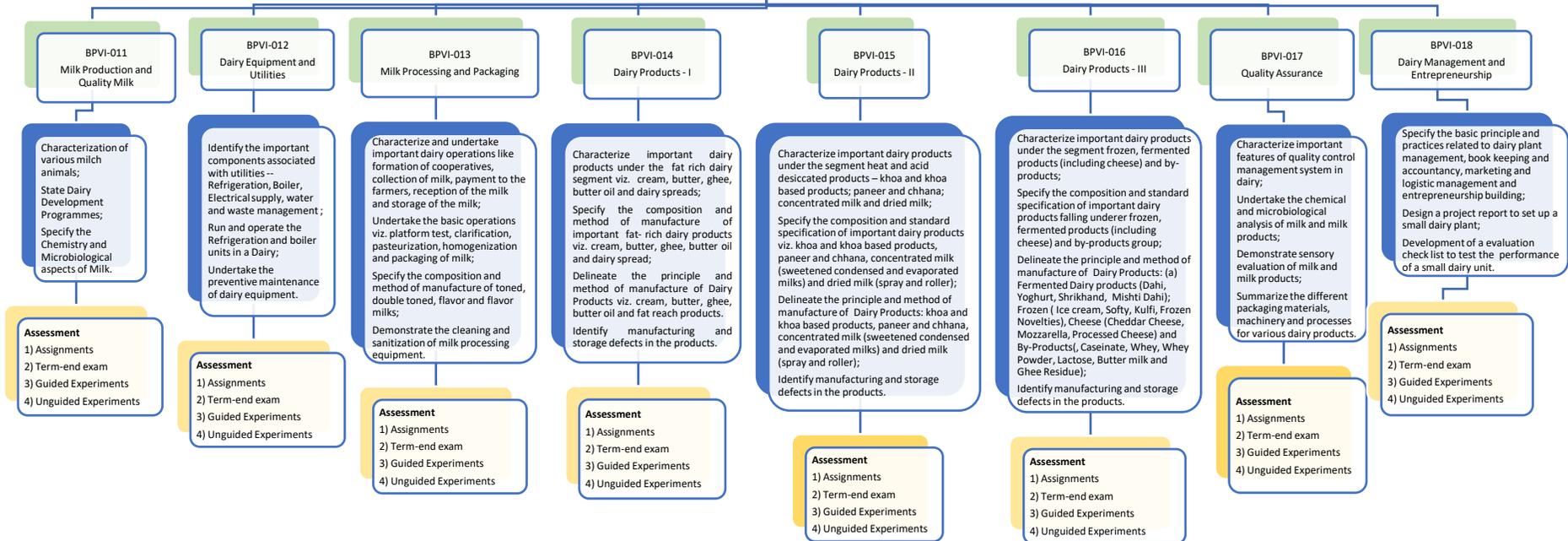
Diploma in Value Added Products from Fruits and Vegetables (DVAPFV)

- Control of Post-harvest losses among the horticulture produce- Fruits and Vegetables.
- Undertake primary processing of fruits and vegetables produce at the production areas/ clusters
- Technical proficiency in:
 - proficiency in procurement of raw fruit and vegetables,
 - preparation of value added products from fruits and vegetables,
 - prevention of losses in fresh and processed horticulture produce and
 - marketing and economical aspects.
- Self employment through food processing and associated activities



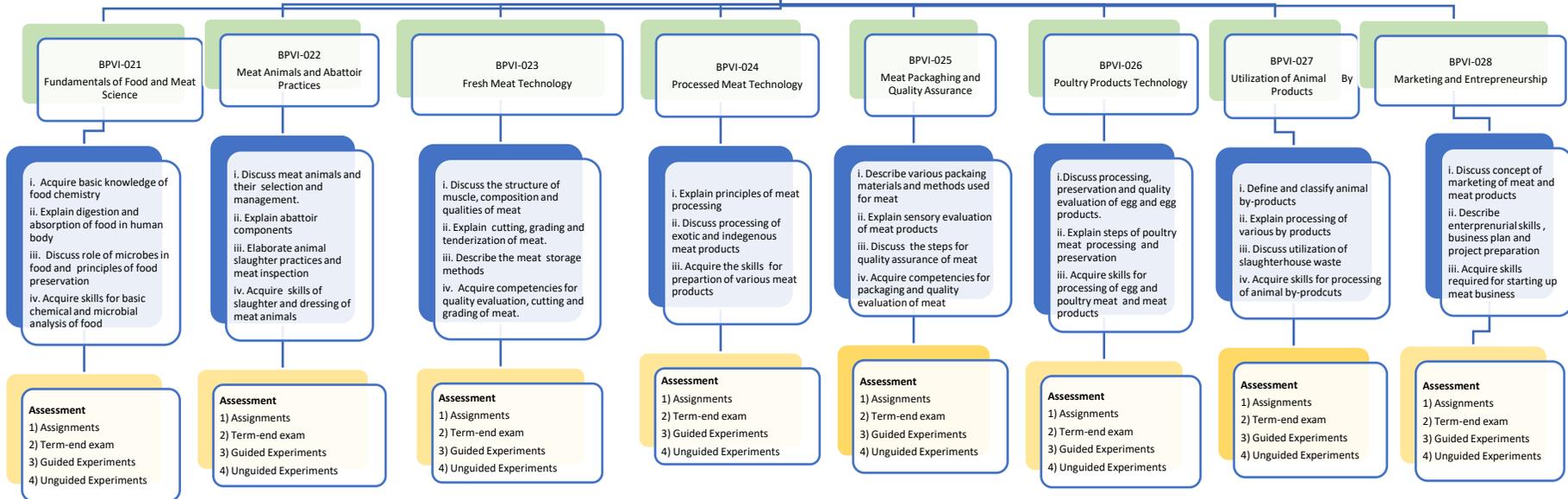
Diploma in Dairy Technology (DDT)

- Technical proficiency in:
 - Clean milk production and handling
 - Processing of milk
 - Manufacture of western and indigenous dairy products
 - Testing and quality control of milk and milk products
 - Marketing and economical aspects
- Managing small and medium dairy enterprises



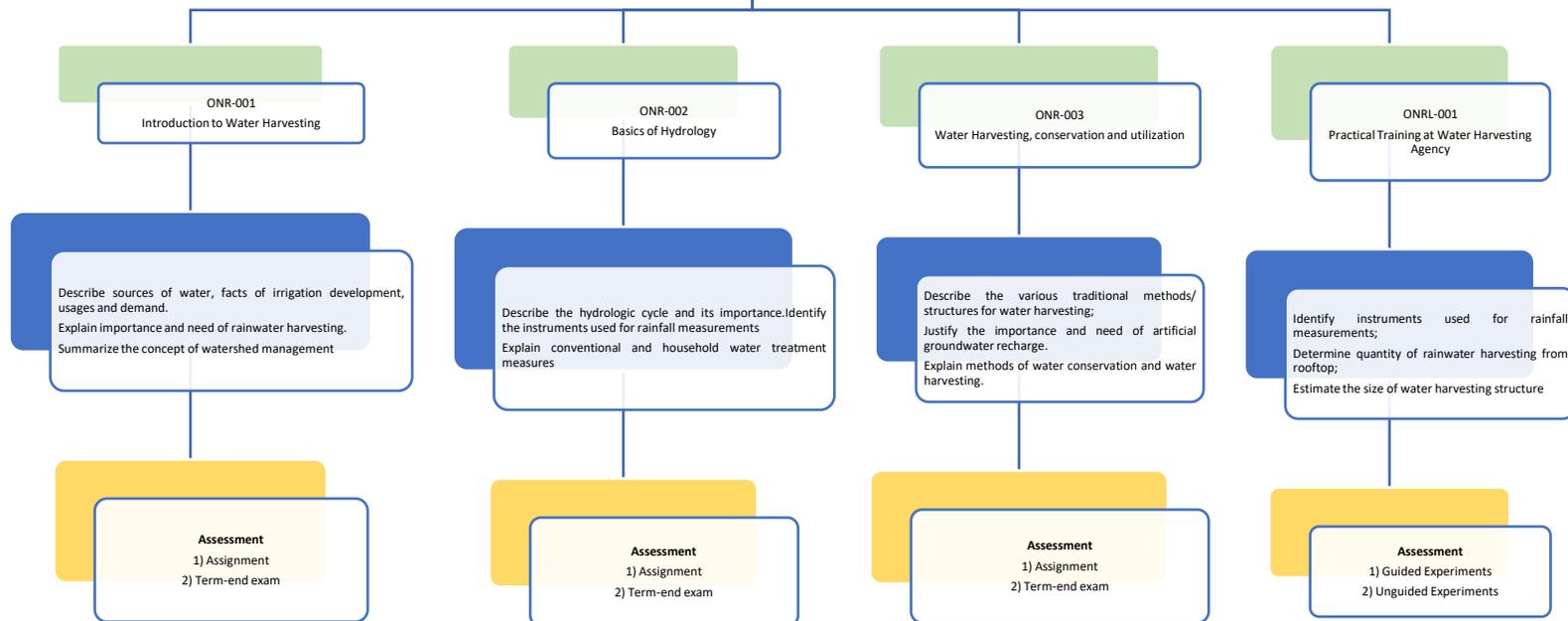
Diploma in Meat Technology (DMT)

- To provide knowledge and skills for quality production of meat and meat products;
- To develop human resource for meat industry and associated activities;
- To train personnel for self employment;
- To impart knowledge and technical proficiency in good slaughter practices; testing and quality control of meat and meat products and managing small and medium enterprises.



Certificate in Water Harvesting and Management (CWHM)

- Sensitize and educate learners on augmentation & utilization of water resources.
- Impart necessary skills and expertise to understand water harvesting techniques.
- Enable learners to act as trainers and organizers at household and community levels for efficient water management in terms of its usage and also for water conservation.



Certificate in Organic Farming (COF)

- An organic farmer
- Organic input producer
- Organic certification facilitator
- Market facilitator
- Self employed in organic business .

BAP-001
Introduction to Organic Farming

Understanding about the organic farming, its benefits and ill-effects of chemical farming

Assessment
1) Assignment
2) Term-end exam

BAPI-001
Organic Production System

An organic farmer

Assessment
1) Assignments
2) Term-end exam
3) Guided Experiments
4) Unguided Experiments

BAPI-002
Inspection and Certification of Organic Produce

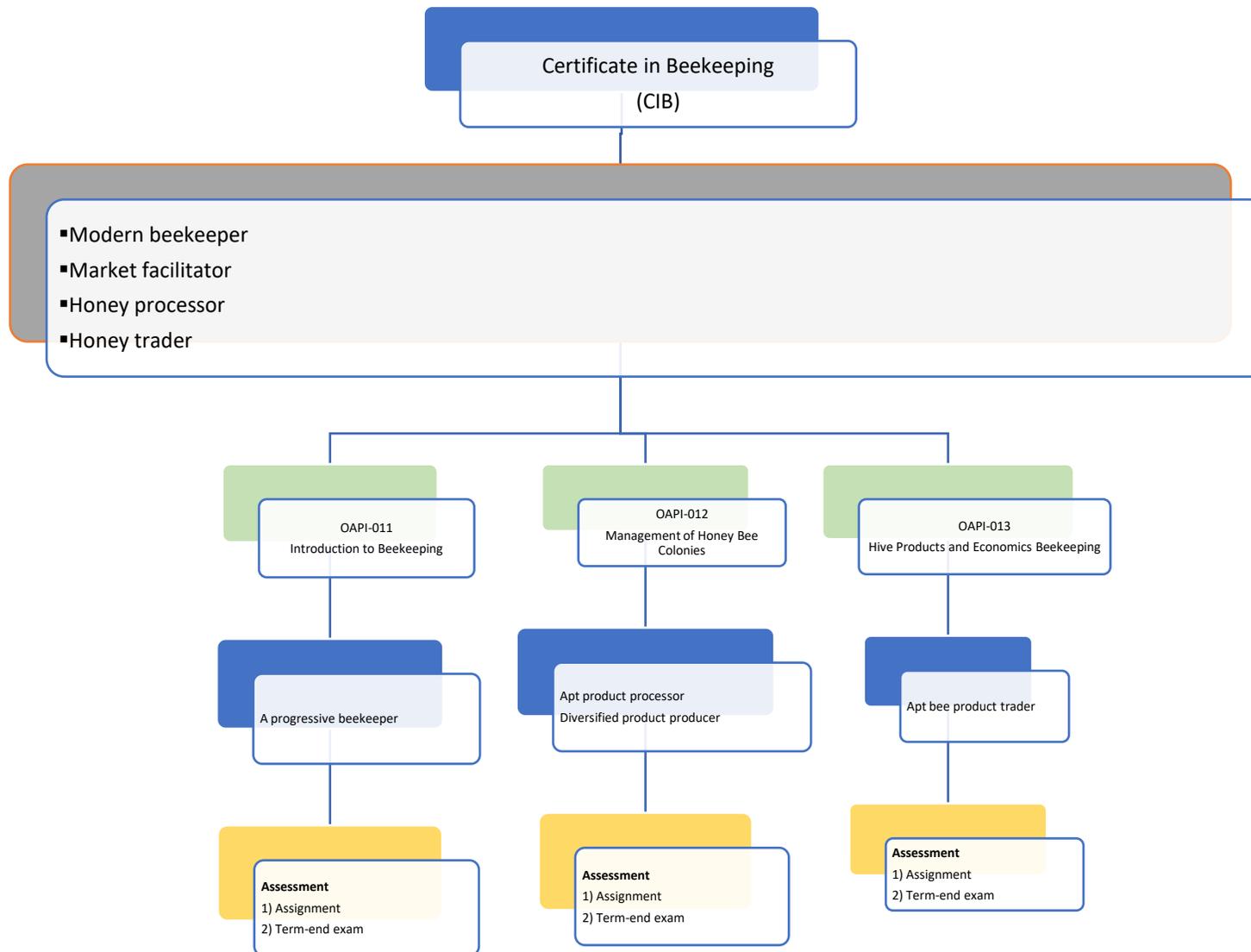
A certified organic farmer
Organic certifier
Organic facilitator.

Assessment1) Assignments
2) Term-end exam
3) Guided Experiments
4) Unguided Experiments

BAPI-003
Economics and Marketing of Organic Products

Market facilitator
Organic merchant

Assessment
1) Assignments
2) Term-end exam
3) Guided Experiments
4) Unguided Experiments



Certificate in Sericulture (CIS)

- Strengthen human resource for the sericulture through the interventions of ODL;
- Create awareness about the opportunities and employment in Sericulture.
- Prepare the rural youth/farmers for accepting sericulture as profit making enterprise; and
- Impart knowledge and technical skills in various aspects of sericulture.

BLP-001 Introduction to Sericulture

Identify different types of silkworms based on their characteristics;
enlist different entrepreneurial opportunities in the pre-cocoon and post-cocoon sectors.

Assessment
1) Assignments
2) Term-End Exam

BLPI-002 Host Plant Cultivation

Manage host-plants of mulberry and non-mulberry silkworm host plants;
Employ various measures for prevention and control of diseases and pests of different silkworm hostplants.

Assessment
1) Assignments
2) Term-end exam
3) Guided Experiments
4) Unguided Experiments

BLPI-003 Silkworm Rearing

Manage mulberry and non-mulberry silkworm;
Employ various measures for prevention and control of the diseases, pests and predators of different silkworm.

AssessmentAssessment
1) Assignments
2) Term-end exam
3) Guided Experiments
4) Unguided Experiments

BLP-004 Crop Protection

Identify the diseases and pests of different silkworm and their hostplants;
Describe various measures for prevention and control of diseases and pests of different silkworm and their hostplants.

Assessment
1) Assignments
2) Term-End Exam

Certificate in Poultry Farming (CPF)

- Develop and strengthen Human Resource by infusing/imparting knowledge and skill in Poultry Farming through Open and Distance Learning (ODL) Mode;
- Create awareness about the opportunities of employment and livelihood in poultry sector;
- Impart basic knowledge and technical proficiency in poultry breeding, housing, management and nutrition; and
- Manage different types of poultry birds as per scientific management practices.

OLP-001 Introduction to Poultry Farming

Describe the different types of poultry birds, farming and breeding systems;
Identify different breeds of poultry based on their characteristics.

Assessment
1) Assignments
2) Term-end exam

OLPI-001 Poultry Housing and Management

Explain the different housing systems and the equipment used in it;
Describe the management of chicken and other poultry species;
Prepare a project report for establishment of a poultry farm;
Manage housing, care and management of different poultry species.

Assessment
1) Assignments
2) Term-end exam
3) Guided Experiments
4) Unguided Experiments

OLPI-002 Poultry Feeds and Feeding

Identify the different feeds used for formulation of poultry feeds;
Formulate feed for different types of poultry birds based on requirements;
Perform feeding of poultry birds based on the type of birds.

Assessment
1) Assignments
2) Term-end exam
3) Guided Experiments
4) Unguided Experiments

OLPL-001 Poultry Health Care and Bio-Security Measures

Identify healthy and sick birds based on signs/symptoms;
Protect poultry birds from various diseases by following strict bio-security measures.

Assessment
1) Guided Experiments
2) Unguided Experiments

OLPL-002 Poultry Farm Training

Perform management of different types of poultry birds as per scientific management practices.

Assessment
1) Guided Experiments
2) Unguided Experiments

**Awareness Programme on Dairy Farming (APDF)
(Non-Credit Programme)**

- Develop human resource in dairy farming;
- Identify the different breeds based on their characteristics;
- Explain the scientific management of dairy animals with reference to breeding, care and management, health care, feeding etc.;
- Manage dairy farm efficiently following the four pillars of dairy management management of dairy animals; and
- Produce clean milk following clean milk production practices.

Evaluation
Pre- and Post-test

**Awareness Programme on Value Added Products from
Fruits and Vegetables (APVPFV)
(Non-Credit Programme)**

- Develop entrepreneurship and skill development for self-employment in food processing and associated activities;
- Impart knowledge and skills for minimizing the post-harvest losses, primary processing of fruits and vegetables;
- Prepare value-added products from fruits and vegetables; and
- Discuss about the packaging and marketing of value added products from Fruits and Vegetables.

Evaluation
Pre- and Post-test