

| <b>Learning Path - Agriculture and SMART Agriculture Solutions</b>   |                                 |                |  |
|--|---------------------------------|----------------|--|
| <b>Course Name</b>   | <b>Topic</b>                    | <b>Diploma</b> |  |
| 1 Advancements in Food Processing and Nanotechnology                 | Food Processing                 |                |  |
| 2 Agricultural Science - Gardening, Animal Farming and Aquaculture   | Ag Science                      |                |  |
| 3 Agricultural Science - Soil Science and Plant Nutrition            | Soil Science                    |                |  |
| 4 Basic Horse Care - Equine Psychology                               | Equine                          |                |  |
| 5 Basics of Building a Home Hydroponic Farm                          | Hydroponic                      |                |  |
| 6 Basics of Food Security and Nutrition                              | Food Security                   |                |  |
| 7 Basics of Horticulture   | Horticulture                    |                |  |
| 8 Basics of Hydroponic Horticulture                                  | Hydroponic Horticulture         |                |  |
| 9 Developmental Biology - Root and Shoot Growth                      | Biology Plants                  |                |  |
| 10 Diploma in Dairy, Food Process and Product Technology             | Dairy                           | Diploma        |  |
| 11 Diploma in Nanotechnology in Agriculture                          | NanoTech in Agriculture         | Diploma        |  |
| 12 Effective Water Treatment Methods                                 | Water Treatment                 |                |  |
| 13 Environmental Education: Water Pollution                          | Water Pollution                 |                |  |
| 14 Essential Farm Safety Training                                    | Farm Safety                     |                |  |
| 15 Essentials of Fish Farming  | Fish Farming                    |                |  |
| 16 Farm Management and Maintenance                                   | Farm Management                 |                |  |
| 17 Farm Weeds Identification and Control                             | Farm Weed Control               |                |  |
| 18 Financial Skills for Farmers                                      | Financial Skills for Farmers    |                |  |
| 19 Growing Organic Food Sustainably                                  | Organic Food                    |                |  |
| 20 How to Manage a Poultry Farming Business                          | Poultry                         |                |  |
| 21 Introduction to Animal Science                                    | Animal Science                  |                |  |
| 22 Introduction to Entomology  | Entomology                      |                |  |
| 23 Introduction to Hydroponics and Aquaponics                        | Hydroponics and Aquaponics      |                |  |
| 24 Introduction to Mushroom Farming                                  | Mushroom Farming                |                |  |
| 25 Introduction to Plant Pathology                                   | Plant Pathology                 |                |  |
| 26 Introduction to the Geographic Information System (GIS)           | GIS Systems                     |                |  |
| 27 Introduction to Wind Energy                                       | Wind Energy                     |                |  |
| 28 Introduction to Worm Farming                                      | Worm Farming                    |                |  |
| 29 Post Harvest Handling and Market Access for Fresh Produce Farmers | Market Access for Fresh Produce |                |  |

|    |  |  |  |
|----|--|--|--|
| 30 | Solar Energy - Solar Technology and Its Use Worldwide        | Solar Energy                                     |  |
| 31 | Sustainable Agriculture Theory: Cultivating a Greener Future | Sustainable Agriculture                          |  |
| 32 | Sustainable Food Production and Processing                   | Sustainable Food<br>Production and<br>Processing |  |
| 33 | Theory of Beekeeping   | Beekeeping                                       |  |