

### Principles of Organic farming

<b>Name of the Course:</b>	Principles of Organic Farming
<b>Duration:</b>	30 hours
<b>Modules:</b>	06
<b>Course Objectives:</b>	
<p>On Completion of this course student teacher will be able to</p> <ul style="list-style-type: none"> <li>• Identify the individual components of organic Farming</li> <li>• Get hands on experience by visiting and working in the Organic farms.</li> <li>• Understand the system of crop rotation with reference to soil fertility maintenances</li> <li>• To create awareness about Organic farming to the local community and educate them with usage of bio fertilizers in order to protect the soil and water resource.</li> <li>• Equip learners with the knowledge and skills necessary to practice sustainable agriculture and the production of healthy, organic food.</li> <li>• Introduce the concept of organic ecosystem and learn about biological magnification &amp; its significance in present day scenario.</li> <li>• Inoculate the importance of doing organic farming as the responsibility of every human being to ensure food safety, nutritional security and food security for the present as well as future generation, to achieve sustainable development for every nation.</li> </ul>	
<b>Course Outcomes:</b>	
<p>Student Teacher will be able to</p> <ul style="list-style-type: none"> <li>• To identify the types of composting worms, present in the environment.</li> <li>• Make organic fertilizers and manures such as vermicompost, bio pesticide, bio-fertilizer etc.</li> <li>• Demonstrate the process of preparing compost pit, bio fertilizer in order to spread awareness among the local farmers.</li> <li>• Understanding organic principles: Students will understand various principles, need and prospect of organic farming including the importance of sustainability, biodiversity and ecological balance.</li> <li>• Practical Skill: Students will gain hands on experience through field work, farm visits or practical exercises to apply their knowledge in a real-world setting.</li> <li>• Students will be also able to make their own compost bin in order to reduce the waste.</li> <li>• Soil health and fertility: learners will explore the significance of soil health in organic farming and various methods to enhance soil fertility through composting and crop rotation.</li> <li>• Marketing and Economics: Students will learn about marketing organic products, understanding consumer demand and the economic aspect of Organic farming.</li> </ul>	
<b>Course Pre-requisites:</b>	
<ul style="list-style-type: none"> <li>• Basic knowledge of organic Farming</li> <li>• Basic knowledge of Bio-Fertilizers</li> </ul>	
<b>Career Prospects:</b>	
<p>On completion of this Course students will be able to:</p> <ul style="list-style-type: none"> <li>• Establish Organic farms, as organic farming tend to be more profitable than conventional method in India.</li> <li>• Work into the business of seeds and fertilizer provider.</li> </ul>	

**HPSM's Ganpat Parsekar College of Education, Harmal-Goa**  
**Short Term Certificate Course**

<b>Course Contents</b>	
<b>Module: I</b>	<b>Duration: 3 hrs</b>
<b>Introduction to Organic Farming:</b> <ul style="list-style-type: none"> <li>• Concept of organic Farming</li> <li>• Principles and Approaches</li> <li>• Characteristics of organic Farming</li> <li>• Need of Organic farming in present context and future prospects- barrier</li> </ul>	
<b>Module: II</b>	<b>Duration: 3 hrs</b>
<b>Composting and Manuring:</b> <ul style="list-style-type: none"> <li>• Vermicomposting Techniques: components, Factors, Methods and Quality of manuring</li> <li>• Identification of vermicomposting worms</li> <li>• Mulching</li> </ul>	
<b>Module: III</b>	<b>Duration: 4 hrs</b>
<b>Field visit:</b> <ul style="list-style-type: none"> <li>• Visit to the nearest organic Farm to study the various components of Organic Farming and their utilization.</li> <li>• New technologies used in agriculture</li> </ul>	
<b>Module: IV</b>	<b>Duration: 17 hours</b>
<b>Preparation of compost and coco-peat:</b> <ul style="list-style-type: none"> <li>• Preparing coco-peat</li> <li>• Compost</li> <li>• vermicompost beds</li> <li>• bio- fertilizer</li> <li>• panchagavya</li> <li>• vermi-wash</li> <li>• understanding the practices to control diseases</li> </ul>	
<b>Module: V</b>	<b>Duration: 3 hrs</b>
<b>Study of ITK:</b> <ul style="list-style-type: none"> <li>• Study of indigenous technology knowledge (ITK) for nutrient, insect disease and weed management.</li> <li>• Studying innovative techniques such as: hydroponic, nanotechnology and Biotechnology.</li> </ul>	
<b>Module: VI</b>	<b>Duration: 3 hrs</b>
<b>Understanding the cropping system:</b> <ol style="list-style-type: none"> <li>a) Crop Rotation</li> <li>b) Mixed Farming</li> </ol>	

**Course Coordinator: Ms. Nikita Sawant**