

## Syllabus of Skill development course

Title of course- Organic Farming and Sustainable Agricultural Practices	
Nodal Department of HEI to run course	Department Of Geography
Broad Area/Sector-	Environmental & Agriculture Geography
Sub Sector-	Agriculture
Nature of course - Independent / Progressive	Independent
Name of suggestive Sector Skill Council	Agriculture Skill Council of India
Aliened NSQF level	Level 4
Expected fees of the course –Free/Paid	Free
Stipend to student expected from industry	No
Number of Seats	20
Course Code-.....	Credits- 06 (2 Theory, 4 Practical)
Max Marks...100..... Minimum Marks:	35
Name of proposed skill Partner (Please specify, Name of industry, company etc for Practical /training/ internship/OJT	<ul style="list-style-type: none"> <li>• Krishi Vigyan Kendra, Choulas, Gautam Buddha Nagar, U.P.</li> <li>• National Center on Organic Farming, Ghaziabad.</li> <li>• Organic Tokree Farms Pvt Ltd, Amka, Dadri, GB Nagar.</li> <li>• D.P.S. Foundation Trust, Rupwas, Dadri, GB Nagar.</li> </ul>
Job prospects-Expected Fields of Occupation where student will be able to get job after completing this course in (Please specify name/type of industry, company etc.)	After completing this course, participants will have the knowledge to : Produce Organic Crops systematically through scientific selection of crops, adoption of appropriate cropping pattern, Crop cultivation under organic farming, Maintain the quality of the produce and find a market for their Organic products.

### Syllabus

Unit	Topics	General/ Skill component	Theory/ Practical/ OJT/ Internship/ Training	No of theory hours (Total-30 Hours=02 credit)	No of skill Hours (Total- 120Hours=4 credits)
<b>Part A</b>					
<b>I</b>	Introduction, Concept/ Philosophies, Principles and Need of organic farming	General	Theory/ Practical/Traini ng	<b>02</b>	<b>04</b>
<b>II</b>	Package of Practices for organic Farming: Selection of Crop, Seed selection and Treatment, Soil Sampling, Weed Management & Irrigation Management.	Skill component	Theory/ Practical/ OJT/ Internship/ Training	<b>06</b>	<b>20</b>
<b>III</b>	Soil Nutrient Management: Establishment of Organic Nutrient Production Unit(Manures, Compost and Bio fertilizer)	Skill component	Theory/ Practical/ OJT/ Internship/ Training	<b>06</b>	<b>32</b>
<b>Part B</b>					
<b>IV</b>	Integrated Pest and Disease Management under Organic	Skill component	Theory/ Practical/ OJT/	<b>04</b>	<b>32</b>

	Farming including Integrated Pest Management: Bio pesticides and their Multiplication, Production of Bio and Herbal Pesticides at household/ Farm Level.		Internship/ Training		
<b>V</b>	Harvest and Post-Harvest Management: Branding of rural products, FSSAI, marketing and packaging of organic produce.	Skill component	Theory/ Practical/ Training	<b>06</b>	<b>20</b>
<b>VI</b>	Undertake Business of Organic Farming, Various Current Government schemes related to organic farming & Process of Certification.	General/	Theory/ Practical/ Training	<b>06</b>	<b>12</b>

**Suggested Readings:**

<https://ncof.dacnet.nic.in/uploads/pdf/5-Jaivik-Kheti-Shahayak-Pustika-Booklet-Hindi.pdf>

[http://oer.nios.ac.in/wiki/index.php/Study\\_of\\_Soil\\_and\\_Climate](http://oer.nios.ac.in/wiki/index.php/Study_of_Soil_and_Climate)

A handbook of Organic Farming By Arun K Sharma, Agrobios Publication

वर्मी कम्पोस्टिंग मैनुअल, रचनात्मक प्रकोष्ठ-शान्ति कुंज, श्री वेदमाता गायत्री ट्रस्ट, शांति कुंज, हरिद्वार (उत्तरांचल)

जैविक खेती की पद्धतियां, प्रो.वीरेंद्र कुमार तथा डॉ. कनुप्रिया चतुर्वेदी, पिलग्रिम्स पब्लिकेशन

**Suggested Digital platforms/ web links for reading-**

<http://www.asci-india.com/training-learning-resources.php>

[http://patanjali farmersamridhi.com/About\\_Us#SKILL%20DEVELOPMENT](http://patanjali farmersamridhi.com/About_Us#SKILL%20DEVELOPMENT)

<http://new.iari.res.in/>

<http://www.patanjalibio.com/about.php>

<https://ncof.dacnet.nic.in/bookmanuals>

**Suggested OJT/ Internship/ Training/ Skill partner:**

- Krishi Vigyan Kendra, Choulas, Gautam Buddha Nagar, U.P.
- National Center on Organic Farming, Ghaziabad.
- Organic Tokree Farms Pvt Ltd, Amka, Dadri, GB Nagar.
- D.P.S. Foundation Trust, Rupwas, Dadri, GB Nagar.
- IARI, New Delhi

**Suggested Continuous Evaluation Methods:**

- Internal and External Exams
- Practical assignments
- MCQ's
- Small Field based Projects

**Course Pre-requisites:**

- No pre-requisite required, open to all
- To study this course, a student must be 12<sup>th</sup> pass.

**Suggested equivalent online courses:**

[https://onlinecourses.swayam2.ac.in/cec21\\_ag03/preview](https://onlinecourses.swayam2.ac.in/cec21_ag03/preview)

<https://nptel.ac.in/courses/126/105/126105014/>

**Any remarks/ suggestions:** It is beneficial for Rural Entrepreneurship and Sustainable Development in Agriculture Sector.

**Notes:**

- Number of units in Theory/Practical may vary as per need
- Total credits/semester-3 (it can be more credits, but students will get only 3credit/ semester or 6credits/ year)
- Credits for Theory =01 (Teaching Hours = 15)
- Credits for Internship/OJT/Training/Practical = 02 (Training Hours = 60)
- Part A and Part B to be done in different Semesters but in one academic year.