

Why this Course

Human beings too, like every other living being, are part of the nature. But forgetting this has helped us to "use" nature just as natural resource, to be used for our material prosperity. We have destroyed the environment so much that our food, water, the air we breathe, everything is polluted and poisonous now. Nature is running out of resources, the weather is changing, diseases are growing, in short, we are damaging the earth beyond repair.

It is of utmost important that we become sensible about how we grow food, along with everything else that we **MUST** do to reduce our harmful impact on the earth. This 12-week course will give students an overview and in-depth understanding about various aspects of sustainable agricultural systems that can help preserve soil fertility, prevent water pollution and protect biodiversity.



Course Plan

Hours	Module
1	1. Overview of Sustainable Agriculture
2	1. Farming Systems & Integrated Farming System
2	1. Sustainable Farming and Health
3	1. Sustainable Farming and Environment
1	Tutorial - I
3	1. Irrigation, Water Management & Rainwater Harvesting
3	1. Polyculture, Inter-cropping & Crop Rotation, Precision Farming
3	1. Organic Farming & Biodynamic Farming
2	1. Bio Fertilizers - Vermicomposting, Bio slurry
1	Tutorial - II
1	1. Hydroponics & Aquaponics
3	1. Agroforestry & Food Forests
3	1. Integrated and Natural Pest Management
	Cover Crops, Mulching & Manual Weed Control
1	1. Marketing and Economics of Sustainable Farming
1	Final Assessment/Tutorial

Sustainable Agriculture

Understanding Environment-Friendly Farming Systems

An add-on course (2022-23) offered by the Department of Economics, Garhbeta College

Course duration: 30 hours



Course Co-ordinators & Contact Person

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