



Swarnnim Start-up and Innovation University, Gandhinagar

Aarihant Ayurvedic Medical College and Research Institute

VALUE ADDED COURSE (2020-21)

Department of Dravyaguna Vigyan

Course name – Vrukshayurveda - Medicinal Plants Cultivation Technology

Organizing Department – Department of Dravyaguna Vigyan.

Course code – DGVMCT1

Course co-ordinators – Dr. V. P. Aralikatti & Vd. Avinash Bholane

Duration – 30 hours

Date - 1st January to 26th March 2021

Preamble

The popularity of traditional herb-based health systems has increased, making medicinal plants a profitable venture. By 2050, the global herbal commerce is predicted to have expanded to 7 trillion dollars from its current value of 120 billion dollars. Thus, there is a great chance to get attracted here. However, despite the challenges posed by rising demand, a rapidly growing human population, and widespread habitat degradation in plant-rich areas, no concerted effort has been made to ensure this. A decline in wild herb collection poses a challenge to the sector. Getting the greatest raw materials is one of the main issues the pharmaceutical business is currently dealing with. As a result, herb cultivation is increasingly necessary.

The ancient Indian study of plant life known as Vruksh-Ayurveda addresses a wide range of plant-related problems. It contains information on pathology, nutrition, plant physiology, and organic management techniques that can be used. Although this science covers the complete care of plants, its true potential is still unrealized because the procedures discussed are not widely applied.

These courses will enable students to unravel different Vruksh-Ayurveda techniques along with contemporary methods which will enable them to cultivate plants.

Aims

- To Understand, Recognize and Apply Vrukshayurveda techniques in medicinal plant cultivation

Objectives

- To instil interest in medicinal plant cultivation
- To develop skills in cultivation and post harvesting management
- To make understand and apply Vrukshayurveda techniques

Content of the course

Theory

Sr. No.	Module	Duration
1.	Introduction – Vrukshayurveda, Importance of cultivation	02 hours
2.	Vruksha sharir Vichar –	02 hours
3.	Vruksha Rachana, Kriya, Vruksha-Indriya,	02 hours
4.	Vruksha Anga- Moola, Kand, Kaand (Stem), Shaakha, Patra Vichar	03 hours
5.	Pushpa, Phala, Beeja, Twak, Niryas vichar.	02 hours
6.	Druma Raksha vichar – Druma Raksha vidhi, Poshan vidhi, kunapa	02 hours
7.	Vruksha Chikitsa vidhi - Common pathological conditions & their management, Weed management, pest control – Vrukshayurveda methods.	2 hours
8.	Harvesting & post harvesting techniques, Vichitreeakarana	3 hours
	Total hours	18 hours

Practical

Sr.no.	Module	Duration
1.	Beeja vichar – Beejopachar vidhi (processing techniques), Beejopti vidhi, nishechan vidhi, seedling methods, stem cutting development	03 hours

2.	Druma Raksha vichar – preparation of kunapa jala, Plant nutrition, manure, fertilizer, organic manure, vermicompost	03 hours
3.	Vruksha Chikitsa vidhi - Common pathological conditions & their management,	03 hours
4.	Weed management, pest control – Vrukshayurveda methods Harvesting & post harvesting techniques, Vichitreekarana	03 hours
	Total hours	12 ours

- **Teaching aids**


Didactic Lectures, AV class, Demonstration & Hands on training.

- **Assessment criteria**

Assessed for Knowledge, Skills, Attitude, Written Activity, Comprehension, and Questionnaire.

- **Eligibility Criteria**

Medical Students – UG, PG students of BAMS.


Principal
Aarohant Ayurvedic Medical
College and Research Institute

