



Department of Botany  
Keral Verma Subharti College of Science  
SWAMI VIVEKANAND SUBHARTI UNIVERSITY



(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)  
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Ref. No. KVSCOS/BOT/VAC/2021/005

Date: 21-05-2021

To

The Dean  
K.V. S.C.O.S

**Subject: Permission of Value Added Course regarding:**


Respected Sir,

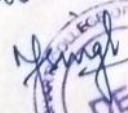

As per the current market scenario as well as the guidelines of UGC, we are going to be starting the following Value Added Courses for the students of Department of Botany. The course will run in Online Mode Using Google Meet. The Course duration will be 16 hrs.

1. Medicinal Botany (VAC-604)

So I request to you kindly give your approval for the same. So that same may be started from the first week of June-2021

Thanking You

  
HOD-Botany  
(KVSCOS)

Allowed  
  
  
DEAN

Course Name: Medicinal Botany

Course Code: VAC 604

Objectives: To acquaint the students about medicinal plants and their economic importance.

**Unit 1:**

History, Scope and Importance of Medicinal Plants. Indigenous Medicinal Sciences; Definition and Scope-Ayurveda: History, origin, panchamahabhutas, saptadhatu and tridosha concepts, Rasayana, plants used in ayurvedic treatments, Siddha: Origin of Siddha medicinal systems, Basis of Siddha system, plants used in Siddha medicine. Unani: History, concept: Umoor-e- tabiya, tumors treatments/ therapy, polyherbal formulations.

**Unit2:**

Conservation of endangered and endemic medicinal plants. Definition: endemic and endangered medicinal plants, Red list criteria; In situ conservation: Biosphere reserves, sacred groves, National Parks; Ex situ conservation: Botanic Gardens, Ethnomedicinal plant Gardens.

**Unit 3:**

Propagation of Medicinal Plants: Objectives of the nursery, its classification, important components of a nursery, sowing, pricking, use of green house for nursery production, propagation through cuttings, layering, grafting and budding.

**Unit 4:**

Ethnobotany and Folk medicines. Definition; Ethnobotany in India: Methods to study ethnobotany; Applications of Ethnobotany: National interacts, Palaeo-ethnobotany. folk medicines of ethnobotany, ethnomedicine, ethnoecology, ethnic communities of India.

**Unit 5:**

Application of natural products to certain diseases- Jaundice, cardiac, infertility, diabetics, Blood pressure and skin diseases.

**Course Outcomes:** At the end of the course, a student would be able to –

Define various types of medicines with their functions.

Identify the medicinal plants with their applications.

Explain the botanical name, family and plant parts used for human welfare.

Demonstrate the process of propagation of medicinal plants.

Discuss about the applications of natural products to certain diseases.

**References:**

1. Trivedi P C, 2006. Medicinal Plants: Ethnobotanical Approach, Agrobios, India.
2. Purohit and Vyas, 2008. Medicinal Plant Cultivation: A Scientific Approach, 2nd edn. Agrobios, India.

Registrar  
Swami Vivekananda  
Subharti University  
MEERUT



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Ref. No. KVSCOS/BOT/VAC/2021/ct.9

Dated: 20.06.2021

**Report of Value Added Course**

In the previous sequence of Value Added Courses and as per the current market scenario as well as the guidelines of UGC, we have been started the following Value Added Course for the students of Department of Botany. 19 Students of B.Sc. CBZ, II & VI Semester and M.Sc. (Botany) IV Semester have been enrolled in the same course. The Course has been run in Online Mode using Google Meet. All the students have successfully completed the course.

**1. Medicinal Botany (VAC-604)**


As per the guidelines, these courses are of 16 hours only. The courses have been started from 01-06-2021 and the course completion date was 16-06-2021. The Course Coordinator, Dr. Permod Kumar has been successfully completed the said course.

Now I am submitting the complete report of the courses included, Course Broucher, Syllabus, Attendance Sheet and certificate format.

Thanking You

Enclousers:

1. Course Brochure
2. Syllabus
3. Attendance Sheet of Students (Online with Screen Shots)
4. Certificate for Reference

  
HOD-Botany (KVSCOS)

  
Registrar  
Swami Vivekananda  
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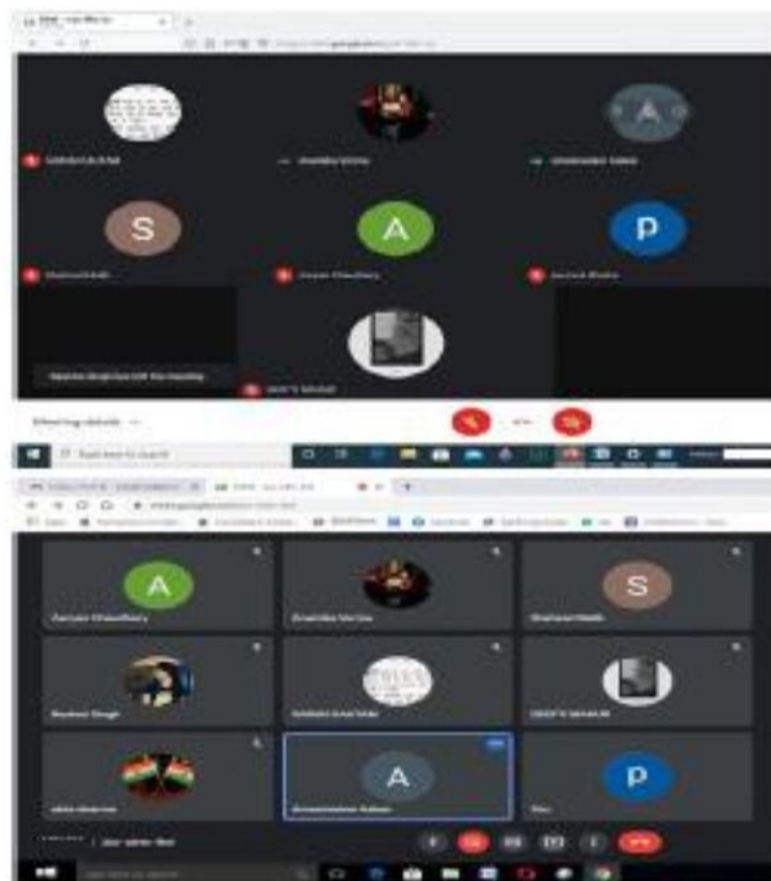


**Attendance Screenshots**

**NAME OF THE COURSE: Medicinal Botany (VAC-604)**

**Course Coordinator: Dr. Permod Kumar**

**Dated: 01-06-2021 to 16-06-2021**



(An online webinar was organized on "Medicinal Botany" by Subharti College of Science, Meerut and Dr. Permod Kumar (Asst. Prof.) addressing the students)