

**BLDEA'S AVS AYURVEDA MAHAVIDYALAYA, HOSPITAL AND  
RESEARCH CENTRE, VIJAYAPURA**

**&**

**BLDE (Deemed to be University)**

**SHRI B.M.PATIL MEDICAL COLLEGE, HOSPITAL & RESEARCH  
CENTRE, VIJAYAPURA**



**CERTIFICATE COURSE IN AYURVEDIC HERBO-MINERAL DRUG  
TECHNOLOGY**

**Smt Bangaramma Sajjan Campus**

**Shri B. M. Patil Road (Solapur Road), Vijayapura-586103**

## **CERTIFICATE COURSE IN AYURVEDIC HERBO-MINERAL DRUG TECHNOLOGY**

### **PREAMBLE:**

Rasashastra and Bhaishajya Kalpana means Ayurvedic Pharmaceutics and it deals mainly with the drugs of Herbal, mineral and animal origin, their varieties, characteristics, processing techniques, properties and their therapeutic uses along with the descriptions of various apparatus, different kinds of instruments, furnaces, heating devices and heating schedules.

Drug processing means Samskarana, done in order to establish the change in the qualities / properties of the drug either by inducing a new property or improving the existing one and finally making the drug safe and more effective. There are various Drug Technologies which are used to prepare various Herbo-Mineral formulations which will be discussed in theory and demonstrated in practical in the due course.

The BAMS doctors, teachers, P.G. Scholars, Interns of BLDE (DU) and its association colleges. It will be a optional value added course with credit points and certification.

### **GOAL:**

The main Goal of the present course is to study different technologies of medicinal preparations specially Herbo-Mineral formulations, theoretically and practically. Only a competent physician who has mastered the knowledge of different medicaments can treat all types of diseases. To save the lives of ailing people he should also have a thorough grip on the principles of the formulations and their practical application. Here we have developed program to deliver best of Ayurvedic herbo-mineral drug technology.

### **GENERAL OBJECTIVES OF THE COURSE:**

1. Basic identification of herbal and mineral drugs
2. Varieties of Mineral Drugs
3. To teach students about the basic concepts of Rasashastra and Bhaishajya Kalpana
4. Learn different technologies in preparations of various herbo-mineral formulations and its clinical benefits
5. To promote research in Herbo-Mineral formulations

### **DURATION OF THE COURSE:**

The duration of the course will be for **Five weeks** (30 hours). Every week end Friday and Saturday shall consist of three hour of teaching (theory).

### **ELIGIBILITY FOR ADMISSION:**

Any candidate who is BAMS doctor, teacher, P.G. Scholar, Intern of BLDE (DU) and its association colleges will be eligible for the admission to the certificate course in Ayurvedic herbo-mineral drug technology

### **MEDIUM OF INSTRUCTION AND EXAMINATION:**

- a) Medium of Instruction of the Certificate Course in “Ayurvedic herbo-mineral drug technology” will be in English
- b) CGPA based evaluation. Evaluation of course will be on the basis of attendance, behavior & discipline, knowledge obtained during the period. There will be only theory written examination.

### **CREDITS AWARDING METHODOLOGY:**

Every three hours of attending the teaching-learning session will be awarded one credit.

30 hours=10 credits

Successful completion of the evaluation/examination= 1 credit

Certificate will be issued with the credit hours by the Deemed to be University.

### **TEACHING –LEARNING METHODOLOGY:**

The classes will be mainly theoretical with brief description of the various herbal and mineral drugs, its identification, types, its processes, preparations and its clinical uses in brief with scientific basis.

Students will be encouraged to interact freely in the presence of tutors so that appropriate correction and suggestions can be made.

Later they will be encouraged to use the learnt content with their peers, faculty and support staff.

### **EXAMINATION:**

Theory examination [50 marks for one and half hour]

### **SYLLABUS:**

The certificate course in Ayurvedic herbo-mineral drug technology consists of theory syllabus

### **THEORY SYLLABUS**

<b>Sl. No.</b>	<b>Content</b>	<b>Hours</b>
1	Introduction to Rasashastra and Bhaishajya Kalpana	03
2	Basic concepts of Rasashastra and Bhaishajya Kalpana	03
3	Different types of Raw Drugs used in Ayurveda	03
4	Basic introduction to various instruments, machines, devices and heating apparatus used in preparing the formulations	03
5	Introduction to five fundamental herbal formulations and there secondary formulations	03
6	Classification of mineral drugs, its types, Shodana and Marana process	03

7	Different methods and techniques used to prepare the herbo-mineral formulations	03
8	Classical parameters for test of perfectness of various herbal and mineral formulations	03
9	Standardization and clinical utility of various herbo-mineral formulations	03
10	Practical demonstration of few herbo-mineral formulations	03
	<b>Total</b>	<b>30</b>

**Reference books:**

1. Text Book of Rasashastra, By Dr Ramachandra Reddy
2. Text Book of Bhaishajya Kalpana, By Dr Shobha G. Hiremath
3. Text Book of Rasashastra, By Dr Ravindra Angadi
4. Text Book of Bhaishajya Kalpana, By Dr Ravindra Angadi
5. Sharangadhara Samhita, English translation by Dr Ravindra Angadi
6. Rasa Ratna Samucchaya, English translation by Dr Ashok Satpute

**COURSE CO –ORDINATOR:**

**Dr Pramod C. Baragi,**

M.D., Ph.D. (Jamnagar), PGDYN

Professor and Head

Dept. of Rasashastra and Bhaishajya Kalpana

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Additional faculty of our college from the respective and allied department will be included.

External visiting faculty will be appointed on the need base.