



College Code: 1706

## **RBVRR WOMEN'S COLLEGE OF PHARMACY**

& 3-4-343, Barkatpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

Accredited by NAAC,

Approved by the PCI & Affiliated to Osmania University

Recognized under Section 2(f) of the UGC Act 1956

EAMCET Code: RBVW | PGCET Code: RBVW1

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### **Organizing CERTIFICATE COURSE ON**

### **HERBAL FORMULATION DEVELOPMENT**

**In Association with  
Dr. BRKR Government Ayurvedic  
College,  
Hyderabad**

**27<sup>th</sup> January, 2025 – 3<sup>rd</sup> February,**

#### **TARGET AUDIENCE**

- ✚ Under Graduates
- ✚ Post Graduates
- ✚ Research Scholars
- ✚ Science Enthusiasts

#### **Registration Link:**

<https://docs.google.com/forms/d/1-rKXIHFMbGjxvmKzvSij5THPagqaVqueJc-0E-2zhU/edit>

**Registration Fee: FREE**

## **ABOUT RBVRR WOMEN'S COLLEGE OF PHARMACY**

RBVRR Women's College of Pharmacy, founded in the year 2006, operates successfully under Hyderabad Mahila Vidhya Sangam, guided by the visionary leadership of its Founder Principal, Prof. M. Sumakanth, with a core mission of offering education to young women. The college has spacious classrooms, well equipped laboratories with the latest equipment, and well-furnished seminar hall, conference room and library with a good number of the latest editions of both textbooks and reference books.

The college is offering the following courses:

1. B.Pharmacy (100seats)
2. Pharm.D (32 )
3. M.Pharmacy (Pharma.Chemistry, Pharmaceutics, Pharm.Analysis and Pharmacology).

### **VISION**

To be a National Women Pharmacy Professional leader in transforming lives through innovative, vigorous and compassionate approach to Pharma education.

### **MISSION**

RBVRRWCP preparing and empowering girl students by providing continuous awareness programmes to succeed in changing world apart from regular curriculum

### **COURSE OBJECTIVES**

The Herbal Formulation Development course is designed to equip students with comprehensive knowledge and practical skills in the development, evaluation, and commercialization of herbal medicines. The course integrates traditional knowledge with modern scientific techniques to prepare professionals for careers in herbal medicine, pharmaceuticals, and related industries.

# CERTIFICATE COURSE ON HERBAL FORMULATION DEVELOPMENT

## Value Added Course

### Course: Herbal Formulation Development

Code: RBVRRWCP001

Total No. Hours: 36

## HERBAL FORMULATION DEVELOPMENT

**Scope:** Herbal formulation development is a multidisciplinary field that combines traditional knowledge with modern scientific approaches to create effective, safe, and standardized medicinal products derived from plants. It bridges the gap between ancient herbal remedies and contemporary healthcare needs, emphasizing the role of natural products in promoting health and treating diseases. Herbal medicines have been used for centuries as a primary source of healthcare in many cultures. With growing interest in natural remedies and the limitations of synthetic drugs herbal formulations have gained renewed attention. This certificate course is helpful to Gain comprehensive knowledge about the history, principles, and significance of herbal medicines in traditional and modern healthcare systems.

### Course Content:

#### UNIT – I

6 Hours

##### Introduction to Herbal Formulations

Definition and scope of herbal formulations. History and traditional systems of medicine: Ayurveda, Unani, Siddha, and Traditional Chinese Medicine. Importance of herbal medicines in global healthcare.

#### UNIT – II

6 Hours

##### Types of Herbal Formulations

##### Traditional Formulations:

Churnas (Powders), Kashayas (Decoctions), Avalehas (Confections), Ghritas (Medicated ghee).

##### Modern Formulations:

Tablets, Capsules, Syrups, Ointments, Gels, Creams and Emulsions.

##### Novel Drug Delivery Systems:

Nanoformulations, Transdermal patches, Liposomes, Phytosomes and Nanoparticle

**UNIT – III****6 Hours****Formulation Development Process**

Selection of herbs and plant parts. Extraction techniques like Maceration, percolation, reflux, Soxhlet extraction, and supercritical fluid extraction. Role of excipients in herbal formulations: Stabilizers, preservatives, and bioavailability enhancers.

**UNIT – IV****6 Hours****Herbal Cosmetics**

Formulation of cosmetic products using herbs. Different bases used in cosmetics.  
Formulation of Skin care products and Hair care products

**UNIT – V****6 Hours****Challenges and opportunities in herbal formulation development**

Phases of clinical trials for herbal products. Designing and conducting clinical trials.  
Evaluation of efficacy and safety in humans. Case studies of successful herbal formulations.

**UNIT – VI****6 Hours****Herbal medicine in global health care**

Historical and cultural significance of herbal medicine worldwide. Benefits and challenges associated with the use of herbal medicine in global health. Global usage and market growth. Global health initiatives

**Course Outcomes**

By the end of the course, students will:

- Gain in-depth knowledge of herbal formulation development processes.
- Be proficient in the preparation, evaluation, and quality control of herbal products.
- Understand regulatory and ethical considerations in the herbal industry.
- Gain in-depth knowledge of herbal cosmetics

Be equipped to pursue careers in pharmaceuticals, nutraceuticals, or research sectors related to herbal medicine

## PROGRAMME SCHEDULE

DATE	SPEAKER	TOPIC
27/01/2025	<b>Dr. VASANTHA LAKSHMI</b> Assistant Professor, Department of Agadatantra, Dr. BRKR Govt. Ayurvedic College, Hyderabad	Introduction to Herbal Formulations
28/01/2025	<b>Dr. GAYATHRI SAMEERA</b> Assistant Professor, Department of Dravyaguna, Dr. BRKR Govt. Ayurvedic College, Hyderabad	Herbal Cosmetics
29/01/2025	<b>Dr. V. NARASIMHA</b> Associate Professor, Department of Dravyaguna, Dr. BRKR Govt. Ayurvedic College, Hyderabad	Formulation Development Process
30/01/2025	<b>Dr. RUGMINI</b> Assistant professor, Department of Rasashastra & Bhaisajya Kalpana, Dr. BRKR Govt. Ayurvedic College, Hyderabad	Types of Herbal Formulations
31/01/2025	<b>Dr. M. PRAVEEN KUMAR MADIKONDA</b> Professor, Department of Panchakarma, Dr. BRKR Govt. Ayurvedic College, Hyderabad	Herbal Medicine in Global Health Care
01/02/2025	<b>Dr. V. NARASIMHA</b> Associate Professor, Department of Dravyaguna, Dr. BRKR Govt. Ayurvedic College, Hyderabad	Challenges and Opportunities in Herbal Formulation Development
03/02/2025	<b>Dr. VASANTHA LAKSHMI</b> Assistant Professor, Department of Agadatantra, Dr. BRKR Govt. Ayurvedic College, Hyderabad	Role of Natural excipients in Herbal Formulation Development