



Value Added Courses Offered

Academic Year : **2022-23**

School : **School of Interdisciplinary Education and Research**

Department : **Rural Technology and Social Development**

List of Value Added Courses

Sr. No.	Course Code	Name of the Course
01.	RTUDTA1	Herbal Production Techniques
02.	RTUDLA1	Laboratory Course Based on Theory
03.		
04.		
05.		
06.		
07.		
08.		
09.		
10.		



Department of Rural Technology & Social Development
Guru Ghasidas Vishwavidyalaya, Koni-Bilaspur (CG)
Semester-wise syllabus for UG Course 2021-2022

SYLLABUS as per LOCF		
B.Sc. II SEMESTER		
Course Title: HERBAL PRODUCTION TECHNIQUES		
Course Code: RTUBTL1	Credit: 02	Marks:100

Learning outcomes

On completion of this course, the students will be able to:

- Aware with the vast medicinal flora and their scientific role.
- Gain technical confidence and skills to develop entrepreneurship.

Ayurvedic dosage form – Classification, Extraction- Kwatha, Pachana, Avaleha, Bhawwan, Putapka, Fermentation- Asava & Arista, Arka, Guggulu, Ghrita, Churna, Lepa, Vati and Gutikabhasma, Lauha.

Appartus-Dolyantram, Svedaniyantram, Dhupayantram, Patanayantram, Adhaspatanyantram, Tirgapatanyantram, Vidhyadharyantum, Putas, Mahaputa, Musha, Hamsapakayantram.

Utilisation and development of drugs from plants- Analgesic drugs, anti- inflammatory drugs, hypotensive drugs, antimalarial drugs, anti-cancer drugs, cardiovascular drugs, bronchodilatory drugs.

Herbal Preparations- Triphala churna, sitopaladi churna, Preparation of Avleha- Chyawanprash, Preparation of Asawas- Drakshasava, Preparation of Tooth powder, Preparation of beauty products.

Course Title: LABORATORY COURSE BASED ON THEORY		
Course Code: RTUBLL1	Credit:02	Marks:100

1. Study of equipments used in preparation of ayurvedic formulations.
2. Preparation of Triphala/Sitopaladi/Lawanbhaskar churna
3. Preparation of tooth powder.
4. Preparation of Hair oil/pain killer oil.
5. Preparation of herbal products.
6. Preparation of Awaleha.

Suggested Readings:

Professional Pharmacy: N.K. Jain

Medicinal Plants: Conservation, Cultivation and Utilization Chopra, Khanna, Prasad, Malik, Bhutiani, Daya Publication, New Delhi

Ayurvedic Pharmacology: C.K. Kokate, A. P. Purohit and S. B. Gokhale

(Handwritten signatures and initials)