

Resolution No. AC/II(23-24).2.RUS4

S. P. Mandali's
Ramnarain Ruia Autonomous College
(Affiliated to University of Mumbai)



Syllabus for
VOCATIONAL SKILL COURSE
ENTREPRENEURIAL BOTANY-II

(As per the guidelines of National Education Policy 2020
Academic year 2024-25)
(Choice based Credit System)

VOCATIONAL SKILL COURSE**Course Code: RUSVSCBOTPO201****Course Title: ENTREPRENEURIAL BOTANY-II
(Sunrise area in entrepreneurship)****Academic year 2024-25****COURSE OUTCOMES:**

COURSE OUTCOMES	DESCRIPTION A student completing this course will be able to:
CO 1	Demonstrate vertical gardening/ farming, production of biofertilizers and biopesticides
CO 2	Prepare plant based milk / meat
CO 3	Distinguish plants suitable for leather/ cosmetic industry
CO 4	Make cosmetic products from herbal constituents.

DETAILED SYLLABUS

PRACTICAL		
RUSVSCBOTPO 201	ENTREPRENEURIAL BOTANY-II	Credit – 2
	Sunrise area in Entrepreneurship	
1	Set up a vertical garden	
2	Prepare a biofertilizer/ biopesticide	
3	Algae as a source of nutraceutical/biofuel	
4	Culturing of microalgae	
5	Preparation of vegan milk (almond/ cashew/ soya / peanut/ragi/ / oats/ coconut)	
6	Preparation of Plant based meat / Mock meat (soy/ pea/ wheat gluten/ pulses/jackfruit)	
7	Identification of plants used in leather industry (<i>Opuntia</i>) and making plant-based leather	
8	Identification of plants used in herbal medicine (tulsi, adhatoda, turmeric, Ashwagandha)	
9	Study of curcuminoids from different varieties of <i>Curcuma</i> by TLC	
10	Identification of plants used in cosmetic industry (<i>Aloe vera</i> , vala, papaya, Avla, bhringraj)	
11	Preparation of herbal cosmetic products	
12	Visit / Interaction with successful entrepreneurs	

13	Report submission on various government schemes that support entrepreneurship (eg. Pradhan Mantri Mudra Yojana (PMMY), Pradhan Mantri Kaushal Vikas Yojana (PMKVY), DIC - District Industries Centre/ NABARD/MSME etc.)
----	--

References:

- Taneja, S. and Gupta, S.L., 2015. Entrepreneurship development, New venture creation, Galgeha publication company, New Delhi. ISSN: 2321-8916.
- Desai, V., 2015. Entrepreneurship development, First edition. Himalaya publication house, Mumbai. ISBN: 9789350973837.
- Khanna, S.S., 2016. Entrepreneurial development. S.Chand company limited, New Delhi. ISBN: 9788121918015.
- Manohar, D., 1989. Entrepreneurship of small scale industries, vol.III. Deep and deep publication, New Delhi. ISSN: 09735925.

Modality of Assessment

Practical Examination Pattern: Total Marks -50

SEMESTER END EXAMINATION	
Laboratory work	40
Journal	4
Practical participation	6
Total marks	50

PRACTICAL JOURNAL

The students are required to present **a duly certified journal** for appearing at the practical examination, failing which they will not be allowed to appear for the examination.

In case of loss of Journal and/ or Report, a Lost Certificate should be obtained from Head/ Co-ordinator / Incharge of the department; failing which the student will not be allowed to appear for the practical examination.

X-----O-----X