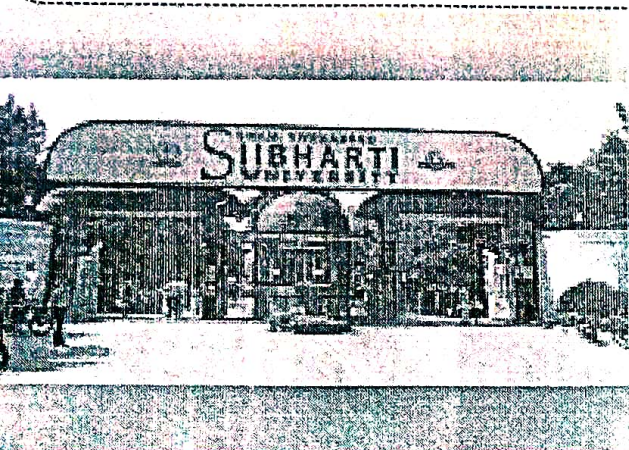


VALUE ADDED COURSE

Session 2024-25 (Even Sem.)

Course Name: PLANT DIVERSITY AND HUMAN WELFARE
(24VACBOTC1)



Contact Person
Dr. Neha Chaudhary
Mob. 8218120237

Course Offered by:
Department of Botany

Course Coordinator
Dr. Amit Kumar
Mob. 9719233081

The objective of the program:

- To provide the basic ideas for better understanding of Plant Diversity.
- To provide the basic knowledge about importance of Plant Diversity in human life.
- To maximize the knowledge of students towards the plant resources and their consumption.

Registration Form

**VALUE ADDED COURSES
Session 2024-25 (EVEN SEM)**

REGISTRATION FORM

Name:.....

Enrolment No.....

Program:.....

Sem. & Year.....

Contact No./Mobile:.....

E-mail:.....

Course Opted:.....

Course Code:.....

Signature with date:.....

Contact Person (Course Coordinator)

Dr. Amit Kumar
Department of Botany (KVSCOS)

Swami Vivekanand Subharti University
(SVSU), Meerut (UP)
Mob. No. 9719233081

E-mail id:
amitsaini.saini421@gmail.com

Course Schedule

Starts from 27.02.2025
Time schedule attached

(Course Coordinator)

(Off HOD, Botany)

Course Content

Course Name: Plant Diversity and Human Welfare

Course Code: 24VACBOTC1

Objectives: To generate interest in the students about the different economically important plants and their use for human welfare.

Unit 1:

7Hrs

Plant diversity and its scope: Values and uses of Biodiversity: Ethical and aesthetic values, Precautionary principle, Methodologies for valuation, Uses of plants, Uses of microbes.

Unit 2:

9Hrs

Loss of Biodiversity: Loss of genetic diversity, Loss of species diversity, Loss of ecosystem diversity, Loss of agro biodiversity, Projected scenario for biodiversity loss, Management of Plant Biodiversity: Organizations associated with biodiversity management-IUCN, UNEP, UNESCO, WWF and NBPGR.

Unit 3:

7Hrs

Conservation of Biodiversity: In situ and ex situ conservation, Social approaches to conservation, Biodiversity awareness programmes, Sustainable development.

Unit 4:

7Hrs

Role of plants in relation to Human Welfare: Importance of forestry their utilization and commercial aspects: Avenue trees, Ornamental plants of India and Alcoholic beverages through ages. Fruits and nuts: Important fruit crops their commercial importance. Wood and its uses.

References:

1. Krishnamurthy, K.V. (2004). An Advanced Text Book of Biodiversity - Principles and Practices. Oxford and IBH Publications Co. Pvt. Ltd. New Delhi.