

# **THE COURSE CURRICULUM**

## **Three months Add-on course in**

### **Medicinal Plant Management and Conservation, 2022-23**

**Course Code: BOT- MPMC**

**Offered by: Department of Botany, Mangaldai College**

**Course Coordinator: Dr. Debashree Kakati**

**Course credit: 3**

**Course duration: 3 months**

**Contact Number: 9401912108/7002623954, 8638655048**

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#### **BACKGROUND:**

This course is designed to provide an insight and appreciation for the contribution of plants to traditional / alternative and modern medicines particularly in North East India. In order to achieve this, the course has been designed in such a way to study the traditional, historical and cultural aspects of plants, their medicinal and therapeutic uses, illnesses caused by some plants and their toxins to humans and animals and beneficial effects of some food plants. The course will also include an overview of management of medicinal plants from unplanned development and overexploitation and their conservation.

**WHO CAN APPLY:** Regular students of Mangaldai College having Chemistry as one of the subjects.

#### **LEARNING OUTCOMES:**

After studying this course, the students will be able to understand,

- The utility of plants as medicines
- To identify locally available important medicinal plants
- The pharmacognostic properties of medicinal plants
- The importance of management and conservation of medicinal plants
- To work with individual plant and plant products

**Expected career opportunities:**

Students will be able to,

- Identify and cultivate the medicinal plants.
- Get employment opportunities in area of health services as community services, rural health services and NGO related with health awareness etc.
- Set up a venture of nursery of medicinal plants.
- Start sales and marketing of herbal medicinal plants.

**LIST OF MODULES:**

<b>Module</b>	<b>Content</b>	<b>Number of hours</b>
<b>Module I</b>	Introduction to Medicinal plants	1
<b>Module II</b>	Important Indian Medicinal Plants	8
<b>Module III</b>	Pharmacognosty	3
<b>Module IV</b>	Management and conservation of medicinal plants	2
<b>Module V</b>	Practical	16
	Total hours	30

**EVALUATION CRITERIA:**

<b>Components</b>	<b>Description</b>	<b>Weightage in %</b>
I. Class participation	The students will be required to participate in every class activity and their performance will be duly evaluated.	10
II. End term examination and submission of Field report	Theory examination	20
	Field report submission	10
	Herbarium submission	10

Total = 50

**Recommended/Reference Text Books and Resources:**

Ashwin, D. **An Introduction to Medicinal Plants**, (2009), Adhyayan Publishers and distributors.

Chopra, A. K. (2007). **Medicinal Plants: Conservation Cultivation & Utilization**. Daya publishing house, Trinagar, Delhi.

Chowdhery, H.J. Singh, B., Singh, M. (2000). **Plant Diversity and Conservation in India an overview**. Dehradun.

Chopsra, R.N., Nager, S. L. and Chopra, I. C. 1956. **Glossary of Indian Medicinal Plants**. CSIR, New Delhi.

Jain, S. K. (1968). **Medicinal plants**. National Book Trust. India.

Kokate, C. K., Purohit, A. P., Gokhale, S. B. (2008). **Pharmacognosy**. Nirali Prakashan.

Sambamurthy, A.V.S.S. and Subramanian, M. S. (1989). **A textbook of Economic Botany**. Wiley Eastern Co. New Delhi.

Trivedi, P.C. (2009). **Indian Medicinal Plants**. Pointers Publishers.