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### **Program Outcomes (POs): Herbal Technology Add-On Course**

**1. Understanding Medicinal Plants**

Gain comprehensive knowledge of the taxonomy, identification, and therapeutic properties of medicinal plants and herbs.

**2. Extraction and Processing Skills**

Develop practical skills in the extraction, isolation, and processing of bioactive compounds from herbs for medicinal, cosmetic, and nutritional applications.

**3. Traditional and Modern Integration**

Learn to integrate traditional herbal practices with modern scientific techniques for product development and research.

**4. Sustainable Use of Resources**

Understand sustainable harvesting and conservation strategies for medicinal plants to ensure ecological balance and biodiversity preservation.

**5. Formulation Development**

Acquire knowledge to design and formulate herbal products like teas, oils, ointments, and nutraceuticals adhering to quality and safety standards.

**6. Regulatory and Quality Standards**

Familiarize with national and international regulations governing herbal medicines, including GMP (Good Manufacturing Practices) and pharmacopoeial standards.

**7. Health and Wellness Advocacy**

Promote the use of herbal remedies for preventive healthcare and wellness, encouraging a shift towards natural and holistic healing.

## 8. **Research and Innovation**

Cultivate a research mindset to explore new therapeutic applications of herbs, contributing to advancements in herbal technology and allied industries.

## 9. **Entrepreneurial Skills**

Develop entrepreneurial capabilities to establish herbal-based startups or industries, focusing on local resources and community development.

## 10. **Interdisciplinary Knowledge**

Build interdisciplinary expertise by linking herbal technology with pharmacology, biotechnology, and environmental science.

## 11. **Community and Traditional Knowledge Preservation**

Acknowledge and document traditional knowledge of herbal remedies, ensuring its preservation and ethical use for future generations.

## 12. **Global Market Awareness**

Understand market trends, demands, and opportunities in the global herbal industry to contribute to its growth and innovation.

  
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