

Anekant Education of Society's  
**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati**  
(Autonomous)  
**Department of Botany**

**Short Term Certificate Course**

w.e.f. 2022-23 to 2024-25

<b>Sr. No.</b>	<b>Certificate Course</b>	<b>No. of Credits</b>	<b>Course Fee (Rs.)</b>	<b>Course Coordinator</b>
1	Post harvest Management and Value Addition of Fruits and Vegetables	02	200/-	Dr. B. S. Mali bhagawanmali10@gmail.com
2	Gardening and Landscaping	02	500/-	Dr. R. D. Chitale rd.chitale@gmail.com

# Certificate Course in Post Harvest Management and Value Addition of Fruits and Vegetables

## Syllabus

No. of Credits : 02

No. of Lectures : 12

No. of Practicals : 05

### Learning Objectives :

- To learn the techniques of storage of Fruits
- To understand importance of value addition
- To learn the methods of processing of various value added products
- To learn the methods of packaging and marketing

### Learning Outcome :

- To develop the Entrepreneurship

Unit No.	Contents	No. of Lectures
1	a) Fruit processing : Concept and need (2L) b) Principles and Preservation methods : Cold storage of fruits and vegetables (2L)	04
2	a) Preparation of jam, jelly squash, pickles, ketchup and candy (6L) b) Extraction of oils and scents, methods of packaging and marketing (2L)	08
3	Practicals : a) Demonstration of fruits processing methods. b) Preparation of Jam and Jelly c) Preparation of Squash and Pickles d) Preparation of Ketchup and Candy e) Preparation of Scented oils	20
<b>Total</b>		<b>32</b>

**Course Title : Gardening and Landscaping**

**[A] Learning Objectives :**

- Engage more fully in academics through hands-on experiences
- Develop a sense of place and a curiosity about nature

**[B] Learning Outcome :**

- Students will be able to install landscape plants
- Students will be able to schedule a landscape or interiors cape maintenance program

<b>Unit No.</b>	<b>Contents</b>	<b>No. of Lectures</b>
1	History, Importance, Scope and Business opportunities, Types of gardens and garden styles	08
2	Identification and description of ornamental plants, Types of plant propagation and maintenance	08
3	Description and designing of garden structures, Components and features of landscaping, Landscape designing for various situations	08
4	Lawns, Bonsai and Flower arrangement, Layout of terrarium / bottle garden and dish garden	08
Total		32