

DEPARTMENT OF BOTANY				<i>Diploma Programme</i>				
Sem	Course Type	Course Code	Course Title	Credits	Total Contact Hours	CIA	Ext	Total
II	Diploma	21DB1P2	<b>Garden Designing Practical</b>	2	30	50	50	100

The following practicals, from 1 to 5 will be conducted in the botanical garden of our college and for 5 and 6, the students will be taken to the nearby nurseries and terrace garden.

1. Raising seedling in trays.
2. Mother bed preparation for seed germination.
3. Demonstration and individual seedling transplantation in various containers / potters / polythene bags, coco peat and pots.
4. Demonstration of terrarium.
5. Field visit to nearby nurseries.
6. Field visit to terrace garden.

S. No	TOPIC	Staff	Hours	Mode
1	Raising seedling in trays.	<b>Dr. SG</b>	<b>4</b>	Practical at garden, videos
2	Mother bed preparation for seed germination.		<b>2</b>	Practical at garden, You tube videos
3	Seedling transplantation in various containers / potters / polythene bags, coconut fibre containers and pots.		<b>4</b>	Practical at garden
4	Demonstration of terrarium.		<b>2</b>	Demo, you tube video, practical at garden
5	Field study to nearby nurseries		<b>6</b>	<b>Field visit</b>
6	Field study to terrace garden		<b>6</b>	<b>Field visit</b>

**Programme Designer and Co-ordinator:**  
**Dr. S. Gnaana Saraswathi**, Assistant Professor.

**Books:**

1. Sethi. DK (2016). Gardening in Urban India. DK publishers. India
2. Sujit C. (2018). Organic Home Gardening. Notion Press Publishers. India.
3. Hamilton N. (2008). Organic Gardening Techniques. New Holland Publishers. UK

**Web References:**

<https://www.gardeners.com/>

<https://www.plantedwell.com/gardening-websites-blogs/>

<https://www.gardeningchannel.com/>

**Programme Outcomes:**

By successfully completing this course the students will

1. know, how and where to create their own gardens and identify the best possible garden plants suitable of their soil and environment,
2. work with various containers and know the methods of planting and fertilising,
3. demonstrate mastery of content at levels of at least 60-70% through implementing in their home and spread awareness of gardening and its importance to their surroundings and
4. understand gardening reduces stress, improves mental health and a psychological well-being with positive effects on emotions and behaviour that a garden / gardening provides.

**Rationale for the Nature of the Programme:**

The programme will enable the learners to integrate the knowledge gained to design, construct and develop the nursery and garden thereby generate income for themselves. They will make use of the skills learnt to become entrepreneurs by expanding their business in gardening and landscape.

**Activities having direct bearing on Skill development:**

- soil testing,
- preparation of compost out of house-hold kitchen wastes,
- preparation of soil for planting,
- selection of plants for the garden,
- plant propagation,
- maintenance of garden plants
- nursery development

**Activities having direct bearing Employability and Entrepreneurship:**

By learning the above-mentioned skills, the learners will

- create their own nursery and sell the plants,
- be trainers for school and college students and
- design a garden / landscape for hotels, restaurants, resorts etc.

On successful completion of this one-year diploma programme, the students will become entrepreneurs.

## **Pedagogy**

1. Chalk and talk.
2. Hands on training.
3. Power-point presentations.
4. You tube videos for theory and practical will be posted in **Googleclassroom**.
5. Quiz will be conducted through **Quizizz** platform,
6. Discussions and Interactions through questions will be conducted through **Insert Learning**.

In case of off-campus situations, the theory classes will be conducted online mode through **Google Meet**. However, the practical classes will be held on-campus, in the college.

## **Programme evaluation**

Each paper consists of 100 marks including internal and external. There are two theory papers and two practicals and hence the total marks are 400.

### **CIA – 50 marks**

**30 marks** for Practical skill assessment (Assignments) - growing plants in pots / field at home; Students to grow plants (one vegetable plant, one succulent and one ornamental plant) and submit to the department as a part of their assignment for 30 marks, each component carries 10 marks.

**20 marks** for presentation.

### **External – 50 marks**

**20 marks** for Multiple choice questions; **30 marks** Descriptive type questions

Three questions out of six can be answered, each carrying 10 marks and the total is for 30 marks.

No pass minimum is required either in internal or in external. However, **a total of 40 marks** is required as a **pass minimum** including **both internal and external examination**.

## **Programme Audience and intake:**

Open to all UG and PG students. The intake of students is restricted to 30-35 numbers.

**Programme Fee:** The fee is Rs. 600 /- per student / annum.

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