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SIR SYED COLLEGE, TALIPARAMBA

(Affiliated to Kannur University) Re-accredited by NAAC with A Grade
Kannur, Kerala, India-PIN 670142

NAME OF THE ADD ON COURSE: **Indoor Garden Designing**

Offered By: Department of Botany, Sir Syed College

Name of the Course Co-Ordinator: **Dr. Shackira AM**

Board of Studies Member:

Chairman: Dr. Tajo Abraham, HOD, Department of Botany, Sir Syed College, Taliparamba, Kannur.

Members:

1. **Dr. Aneesh KS**, Assistant Professor, Department of Natural Resource Management, College of Forestry, Kerala Agricultural University, Thrissur.
2. **Dr. Abdussalam AK**, Assistant Professor, Department of Botany, Sir Syed College, Taliparamba.
3. **Dr. Sreeja P**, Assistant Professor, Department of Botany, Sir Syed College, Taliparamba, Kannur.
4. **Dr. Gayatri R Nambiar**, Assistant Professor, Department of Botany, Sir Syed College, Taliparamba, Kannur.

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Vision and Mission of the course: Indoor plants make any interior space more beautiful, provide fresh air and also proffer mood-boosting benefits. The course on indoor garden designing provide a basic knowledge on different types of indoor plants with special emphasis to Kerala and give a scientific overview on how to propagate, nourish and maintain indoor plants in a better manner. This will help to understand the basic principles on how to take care of indoor plants and thereby build a healthy, familiar environment. Students will be able to understand the classification and characteristics of various indoor plants suitable for indoor plantation in Kerala along with their botanical and common names. The course will comprehend the basic underlying principle of the management and propagation methods of indoor plants.

Programme specific outcome:

- Taxonomic identification of different types of indoor plants that are specifically used for interior landscaping in Kerala.
- Explore the aesthetic potential of students in the field of Indoor gardening
- Provide a skill based training and sustainable income source for students while they are studying.

Suggested Methodology for Teaching, Learning and Evaluation

Teaching-Learning

The course is an outcome based learning system and different methods are to be used for teaching, learning and evaluation process.

Theory: Student: Assignment, Seminar, e-learning, Discussion with teachers, researchers and experts.

Teacher: Lecture, Demonstration, Presentation, Discussion.

Practical: Identification of different plants, propagation and proper management of indoor plants. Hand son training on indoor gardening, Field visit, Report Writing and maintaining an indoor garden.

Project: The selection of the project topic and group should be student centered as far as possible. A project log book/register is to be maintained by each student and submitted along with the project report.

Field Study/ Study Tour: The plant diversity studies should be carried out with the support of Field Study/ Study Tour.

General Assignment: Every student should choose one of the topics for self study from the beginning of the programme.

Evaluation

Evaluation	Weightage %
External (Based on Theory and Practical exam)	80
Internal (Based on Internal test, assignment and Viva)	20

Detailed Syllabus (Theory and Practical) with references and model question paper

Name of Add on Course- :

Duration of the course	Course Code	Hours per week	Credit and Modules	Exam Hours
30hrs	ADBOT01	2	10 Credits 2 Modules	2hrs

Course Outcomes:

1. To identify the indoor plants in a scientific manner.
2. To develop a skill of gardening and enlighten the aesthetic potential of students.
3. To offer a means of income while they are studying.

Detailed Syllabus with module and hours

Module-1: Principles and Practices of Indore Gardening **15hrs**

Introduction to the concept of gardening, philosophy of gardening. Botanical garden, Major Botanical gardens of India, Popular Botanical garden in Kerala. Types of indoor plants: Ornamental indoor plants, medicinal indoor plants, indoor plants for food, native and exotic indoor plants. Taxonomic identification of indoor plants. Major software used in the field of horticulture. Landscaping and Green Auditing.

Module-2: Organization and management of Indoor Garden **15hrs**

Nutrition: manuring and watering of indoor plants. Techniques of indoor gardening, hydroponics, aeroponics and aquaponics. Methods of raising new plants. Types and uses of various gardening tools, containers and other related equipments. Potting mixtures. Factors affecting the growth of indoor plants. Pros and cons of the indoor environments. Application and promises of indoor plants. Indoor garden market-Native and Global level, scope and relevance.

References:

David Squire. 2006. Complete Indoor Plants. New Holland.

Geoff Dixon. Burrows, C., Lindle, C., McGarry, C., Pattison, S. Plowman, C., Rogers, R. & Thompson, H. (2015). Garden Practices and Their Science. AQA Biology A-Level Year 1 and AS. Coordination Group Publications (CGP), London.

Mazumdar, B C and P M Mukhopadhyay. 2006. Principles and Practices of Herbal Garden. Daya publishing house. Delhi.

Peter Shepperd. 2020. Houseplants 101. Smashwords.