



DEPARTMENT OF BOTANY ST. JOSEPH'S COLLEGE (AUTONOMOUS)

Special Heritage Status awarded by UGC
Accredited at A++ Grade(4th cycle) by NAAC
Tiruchirappalli-620 002



Value added course



ON HORTICULTURE & LANDSCAPING

Hands on Training



- Grafting techniques
- Lawn making techniques
- Topiary / Bonsai techniques
- Terrarium Techniques
- Interior decoration Bottle art techniques
- Eco Printing techniques
- Resin Coaster techniques
- Serragem techniques
- Vegetable carving techniques
- Dry / Wet flower decorations and techniques



Inauguration on : 1st March 2023

Time : 2 PM to 5 PM

Duration : 30 Hours

Venue : Fr. Balam Hall

Course Fee : Rs.600

Valediction on : 14th March 2023

Dr.S.R.SENTHILKUMAR
Head of the Department

Dr.M.BASTIN CHURCHILL
Course Coordinator



ALL ARE INVITED

Value added course

Horticulture and Landscape designing

Inauguration on : 01.03.2023 – 14.03.2023

Participants: III B.Sc Botany

Duration: 30 Hours

10 days each class 3 hours

Course fee: Rs – 600

S.No	Date	Days	Hands on Training
01	01.03.2023	Wednesday	Inauguration / Introduction about the Course
02	02.03.2023	Thursday	Grafting Techniques / Lawn making techniques
03	03.03.2023	Friday	The techniques of Topiary and Bonsai techniques
04	06.03.2023	Monday	Interior decoration Terrarium techniques
05	07.03.2023	Tuesday	Interior decoration Bottle art techniques
06	08.03.2023	Wednesday	Eco Printing techniques
07	09.03.2023	Thursday	Serragem techniques
08	10.03.2023	Friday	Vegetable carving techniques
09	13.03.2023	Monday	Dry / Wet flower decorations and techniques
10	14.03.2023	Tuesday	Valediction

Head of the department


Head
Department of Botany
St. Joseph's College (Autonomous)
Tiruchirapalli - 620 002.

Course Coordinator


Dr.M.Bastin Churchill

VALUE ADDED COURSE

Horticulture and landscape designing techniques – Syllabus

Total Hours: 30

Unit-I

Introduction about the Course and Importance and divisions of horticulture.

Introduction about various techniques. Various methods of plant propagation and grafting techniques. The landscape designing and lawn Making, Basic design, advanced terrace gardening, Kitchen gardening, Importance of Vermicompost and organic plant products.

Unit- II

The techniques of Topiary, Techniques of Terrarium and Bonsai techniques

Selection of plant for making Bonsai plants using Japanese wiring techniques. *Technique of Topiary:* various designs of making topiary plants in the Garden area. Using annealing copper wiring techniques.

Technique of Terrarium: various techniques of Terrarium using glass bowls and transparent containers – using fresh and dried plant materials. The beautiful technique of Making of Terrarium with plant, mosses, fresh materials and dried artistic materials.

Bonsai techniques : Bonsai pruning and training, resulting in an artful miniature replica of a full-grown tree in nature. The Japanese traditional technique of making young dracaena, ficus tree, and banyan tree growing technique.

Unit-III

Interior decoration Bottle art techniques and Eco Printing techniques

This method is used to make a interior decorative arts using plant fresh and dried materials. Bottle of Glass as a material is smooth and can make difficult styles of interior decorations. The art of drawing – Warli figures, paintings in the used bottles to demonstrate the usage of recycling products. (Bottle art) and Wall decorations.

Eco Printing techniques Eco-printing is a technique where plants, leaves and flowers leave their shapes, color, and marks on fabric. Plant material bundled inside of cloth is steamed or boiled to release the dye found naturally inside the plant, creating a contact print in the shape of the leaf or

flower used. These contact prints are referred to as “eco-prints.” Using various kinds of fresh flowers for dye making and printing in the cotton cloths.

Unit- IV

Serragem and Indoor decorations

Making pots using the saw dust from the wood. Various types of plant pots preparation. **Indoor decorations:** Plant pot making, flower pot making Using coir pith, Paper wool, Bottle art, and Wall decorations, Plant pot making flower pot making Using coir pith, Paper wool, Bottle art, and Wall decorations, The Paint boards fresh art decorations.

Unit - V

Vegetable carving and Dry / Wet flower decorations and techniques

The vegetable carving technique is a art of decoration in the dining and grand entrance for attractions. This skill oriented technique using vegetables and fruits.

Plants in Floriculture:

Dry / Wet flower decorations and techniques: Various indoor and outdoor plants and flowers in Floriculture. Fresh and wet flower arrangement techniques, using various fresh and wet flower bouquet arrangements. Wet flower arrangements, Fresh flower Bridal wreath decorations, dry flower bridal wreath decorations, X-mas wreath decorations with fresh and artificial dry flowers.

Each Unit has theory for an hour and hands on training will be for 6 hours


J. Jeyaraj
Department of Botany
St. Joseph's College (Autonomous)
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Value added course - Horticulture and Landscape designing

Attendance Certificate

DEPARTMENT OF BOTANY ST. JOSEPH'S COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI - 620 002 Value Added Course: Horticulture and Landscape designing (01.03.2023-14.03.2023)				
S.No	Name	D.No	Class	Signature
1	B.Chinnamaruthu Sivaraj	20UB0106	III B.Sc. Botany	R.Chinnamaruthu
2	V. Prasanna	20UB0107	III B.Sc., Botany	V. Prasanna
3	R. Sakthi Kumar	20UB0108	III B.Sc. Botany	R. Sakthi Kumar
4	J. John Sebastian	20UB0109	III B.Sc. Botany	J. John Sebastian
5	Praveen Jayaraj	20UB0111	III B.Sc., Botany	Praveen Jayaraj
6	M. Parameswari	20UB0112	III B.Sc., Botany	M. Parameswari
7	Immanuel	20UB0113	III B.Sc. Botany	A. Immanuel
8	RASANA	20UB0114	III B.Sc., Botany	R. RASANA
9	N. Anni Jeniya	20UB0115	III B.Sc. Botany	N. Anni Jeniya
10	J. Aldrina Monica	20UB0118	III B.Sc. Botany	J. Aldrina Monica

11	A. Dharun	20UB0119	III B.Sc. Botany	A. Dharun
12	G. Ragan	20UB0120	III B.Sc. Botany	G. Ragan
13	A. RONALD REGGIAN	20UB0122	III B.Sc. Botany	A. RONALD REGGIAN
14	R. Kishore	20UB0123	III B.Sc. Botany	R. Kishore
15	A. Abinaba Basala Pagan	20UB0124	III B.Sc. Botany	A. Abinaba Basala Pagan
16	K. Felix	20UB0125	III B.Sc. Botany	K. Felix
17	G. Vasanthkumar	20UB0126	III B.Sc. BOTANY	G. Vasanthkumar
18	PREM G	20UB0129	III B.Sc., BOTANY	PREM G
19	V. Harish Kumar	20UB0131	III B.Sc. Botany	V. Harish Kumar
20	S. POORNIMA	20UB0132	III B.Sc., Botany	S. POORNIMA

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S.No	Name	D.No	Class	Signature
21	Sureshwaran N	20UB0133	III B.Sc., Botany	Sureshwaran N
22	Ugini Raj L	20UB0135	III B.Sc., Botany	Ugini Raj L
23	A. Sutharasan	20UB0136	III B.Sc. Botany	A. Sutharasan
24	A. Jeyaseelan	20UB0139	III B.Sc. Botany	A. Jeyaseelan
25	S. Vinodkumar	20UB0140	III B.Sc. Botany	S. Vinodkumar
26	A. Prakash	20UB0141	III B.Sc. Botany	A. Prakash
27	N. Rajash	20UB0143	III B.Sc. Botany	N. Rajash
28	Kousigan	20UB0145	III B.Sc., Botany	Kousigan
29	Aravindh	20UB0148	III B.Sc., Botany	Aravindh
30	Suguman	20UB0149	III B.Sc., Botany	Suguman

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S.No	Name	D.No	Class	Signature
31	GRATOS ROSHAN G	20UB0150	III B.Sc. Botany	GRATOS ROSHAN G
32	F. Akash	20UB0152	III B.Sc. Botany	F. Akash
33	K. Sana	20UB0153	III B.Sc. Botany	K. Sana
34	P. Malharan	20UB0154	III B.Sc. Botany	P. Malharan
35	S. Manikandan	20UB0156	III B.Sc. Botany	S. Manikandan
36	ISPRITH A.	20UB0157	III B.Sc. BOTANY	ISPRITH A.
37	ADARF JONAS	20UB0158	III B.Sc. BOTANY	ADARF JONAS


 Head
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Report of the Value added Course - 2023

VALUE ADDED COURSE ON “Horticulture and landscape designing”

A skilled based value added course has been conducted by the Department of Botany, St, Joseph's college, Tiruchirappalli – 02. This course has core value of horticulture 7th batch was inaugurated on 01.03.2023. Horticulture and landscaping course highly focused on the skill a based value which includes theory classes and hands on training.

The Course has totally of 30 hours in which 25 hours were meant for practical session's hands on training and remaining 05 hours have been utilized for theoretical teaching. The theory and practical sessions were handled by the eminent resource person Dr. Dr. M. Bastin Churchill, assistant professor. Among the total 37 members of beneficiaries were final year under graduate students from the department of botany. The four of the participants were came from Private nursery (Saral karumandapam) to learn the techniques.

Landscaping principles, planning designs for house and industrial garden, avenue planting, tree, shrub, climbers, herbs and ground covers suited for different situations where the centralized theme for the theory classes. Preparation of lawns using different grasses and maintenance of lawns and turf in play ground, gardens and golf courses. Especially types of garden like traffic islands, terrace garden or roof garden, fog garden, planning parks and public garden were also studied in the theory classes.

Students have learnt the new methods in plant propagation and also the art of indoor gardening. So many techniques like cutting, grafting, budding, pruning, landscape designing, Flower arrangement were practiced in both wet and dry flowers. Different types of flowers from Bangalore were used for making wreath and bouquet. Fresh and dry flowers vase and wreath arrangements, Indoor decorative items preparations, Bottle art

collections, the technique of bonsai, Topiary, and Terrarium were also practiced during the practical sessions.

The vegetable carving is the act of using tools to shape something from a material by scraping away portions of that material. The technique can be applied to any material that is solid enough to hold a form even when pieces have been removed from it, and yet soft enough for portions to be scraped away with available tools. The main purpose of fruits and vegetable carvings is to accompany gourmet dishes of palace meals and for religious offerings. The carving patterns are replicas of nature which is simple and pleasant.

Every year new techniques used to introduce. This year Serragem, Eco – printing and resin art are enclosed. The serragem is an art using in a Greenhouse a building usually of glass, in which plants are grown. Glass houses a large green house.

The resin art workshop will be based on- Introduction to Resin Art. Types of Resins Precautions and Safety Measures, Introduction to Resin Mixing and Usage, Introduction to Resin Tools and Essential Products, Clock-making Technique, Resin Calculation, Making of Resin Clock and pouring of resin in Mould, Colour Combinations and Stone Selection, Finishing of a model.

Course Coordinator



Dr.M. Bastin Churchill



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Horticulture and landscape designing - Photos

Eco Printing



Serragem



Bridal Wreath decoration



Terrarium Preparation



Bottle art – Interior decoration



Artificial Flower Decoration



Resin art decoration



J. Head
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