

DATE: 23/2/23
MAHABUBNAGAR.

To
The principal,
TTWRDC (W),
Mahabubnagar.

Sub: Reg. Requesting for permission to conduct Certificate Course.

Respected madam,

I, Jayalaxmi, Head of the Department, Department of Botany. I wish to bring to your kind notice that, Department Of Botany is planning to conduct a Certificate Course for interested students on **FLORICULTURE** for the academic year of 2022-23 from 27/2/23. In this regard I request you to sanction permission to conduct the above said certificate course.

Thanking You

Your sincerely

Jayalaxmi,
Head of the Department,
Department of botany


PRINCIPAL
TTW Residential Degree College for Women
Mahabubnagar

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN, Mahabubnagar

(Affiliated to Palamuru university)

Certificate course
in
"floriculture"



Organized by
Department Of Botany
Important Information

certificate course starts from 27/02/2023 Interested
candidates are requested to enroll your names in Botany
department on or before 26/02/2023

Organizing Committee

Chairman : B.Sangeetha
Principal

Programme Convener : Jayalaxmi
Department Of Botany

1. About the Course:

Floriculture or flower farming is the study of growing and marketing flowers and foliage plants. Floriculture includes cultivation of flowering and ornamental plants for direct sale or for use as raw materials in cosmetic and perfume industry and in the pharmaceutical sector. It also includes production of planting materials through seeds, cuttings, budding and grafting. In simpler terms floriculture can be defined as the art and knowledge of growing flowers to perfection. The persons associated with this field are called floriculturists

Flowers were grown for domestic purposes like crafting garlands and bouquets as well as for a variety of occasions like weddings, Birthdays, religious Offerings, and other social events. Cut flowers cultivation for local and international trade is a relatively new practice in our Nation.

Floriculture in India

India has a tradition of growing flowers. In our country, it is considered as a high growth industry. Export-oriented flower production has increased due to the government's policies. The opportunities for floriculture are increasing due to various uses of flowers in aesthetic sense, urbanisation and substantially increased purchasing power of people. The demand for floricultural plants and their produce, such as bouquet, garland, veni and value-added products like dry flowers and potpourris is increasing by the day. They are required in various functions and celebrations. Strategically and geographically, our country is well located between major flower markets, i.e., Europe and East Asia. The diverse agro-climatic conditions in the country enable the growth of all type of flowers in one season or the other. Landscaping has become an integral component of urban horticulture, which apart from adding aesthetic value to a place, protects the environment, reduces air and noise pollution, and promotes ecotourism. Lawn establishment and maintenance, a lucrative enterprise, has become an integral part of landscaping. It requires skilled, as well as, unskilled human resources. In light of climate change, the scope of turf or lawn grasses, vertical gardening, roof gardening, etc., is on rise. Increasing industrialisation and depleting agricultural land have opened avenues for production and marketing of potted plants. These have also opened avenues for plant rentals for interior decoration in hotels, corporate

houses, etc. The Nursery Industry is coming up as a flourishing enterprise, giving high returns.

Protected or hi-tech cultivation of cut flowers has a great future in our country. Here, one can increase the area under intensive flower production to increase floricultural exports. Extraction of essential oils, natural dyes, and pharmaceutical and nutraceutical compounds from flower plants is also an important activity, and is emerging as a lucrative business.

The Department Of Botany, Telangana Tribal Welfare Residential Degree College for Women, Mahabubnagar, offers a certificate course in floriculture to increase the ability of students from rural background to work for themselves and develop employable skills.



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2. Benefits of the certificate course in floriculture :

1. It is a significant agribusiness that fosters entrepreneurship and job possibilities in both urban and rural areas
2. Floriculture presents a fantastic possibility for empowerment and money generating
3. It may also cultivate flower and foliage crops on every square inch of land
4. Production, marketing, export and research careers are available in the floriculture industry.
5. Farm managers, plantation Specialists, supervisors and project coordinators can be found in the floriculture sector.
6. With the right training ,one can work as a consultant or a land scape architect

3. Employment types

- Floriculturist
- Plant specialist
- Floriculture tradesperson
- Green - attendant
- Scene gardener
- Nursery worker
- Floral designer
- Production manager
- Sales representative

3. COURSE DETAILS

1	Programme type	Certificate course
2	Mode	Offline
3	Eligibility	B.sc (life sciences)
4	Department	Botany
5	Duration	30 Days
6	Specialization	Floriculture
7	Fee structure	Free
8	Programme coordinator	JAYALAXMI , Degree Lecturer In Botany , TTWRDC (W) MAHABUBNAGAR
9	Programme convenor	JAYALAXMI , Degree Lecturer In Botany , TTWRDC (W) MAHABUBNAGAR
10	Course presenters	1. JAYALAXMI , Degree Lecturer In Botany , TTWRDC (W) MAHABUBNAGAR

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4. Objectives of Certificate Course:

1. To share floriculture knowledge
2. To raise awareness on floriculture industry
3. Students learn how to make garlands in attractive manner
4. Demonstrate many kind of flowers and branches that are utilised in floriculture to the student
5. After completing this certificate programme , students get an understanding of floriculture and access to a variety of job opportunities

5. Course Outcomes :

- The student will have knowledge on advanced production technologies in growing flower crops.
- The students will be able to diagnose production problems in loose flowers.
- The students will become capable of managing a open field floriculture unit from planting to harvest.
- The student will have knowledge on growing cut flower crops.
- The students will be able to diagnose production problems in cut flowers .
- The students will become capable of managing a floriculture unit from planting to harvest.
- Students will be able to understand the physiology of growth development and the role of growth regulators.
- The student will have knowledge on fundamental gardening.
- Student will improve their ability to create floral crafts and dry flowers.

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Floriculture

6. Syllabus: Theory (30hrs Duration)

Unit-I (10hrs)

Origin of floriculture, definition, history, principles, scope and significance; nomenclature and identification of floricultural plants

Unit-II (10hrs)

Methods of propagation: seeds and vegetative (cutting, layering and grafting). Cut flowers, its arrangement, vase life and concept of Bonsai.

Unit-III (10hrs)

Nutrient & pest management: Micro and macro nutrients, media for propagation- soil, sand, peat, sphagnum moss, vermiculite, soil moisture and nursery beds, Manure: organic and inorganic; Irrigation and water management; Identification of major insect pests and diseases of floricultural crops and their control by chemicals and bio-control agents.

References:



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Department of Botany

Floriculture – Theory Exam

Time: 2hrs

Marks: 40

I. Answer any four of the following questions

4×8 marks =32 marks

1. Write the scope and economic importance of floriculture
2. Explain the different types of garden
3. Give the classification of ornamental plants
4. Explain the cultivation process of roses
5. Give brief account of polyhouse and greenhouse
6. How can you prepare flower bouquets explain

II. Answer any four of the following

4×2marks=8marks

1. Marigold
2. Floriculture
3. Runners
4. Land scape
5. Vegetative propagation
6. Describe the parts of typical flowers



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9. ASSESSMENT:

1. A student is assessed for 50 marks. The final assessment is made as given below
 - i. A student is assessed for 40 marks by a written test,
 - ii. A student is assessed 10 marks by a practical exam,
2. A student must secure 40 percent of marks in both in theory and practical to pass

10. HOW TO APPLY:

Interested ii year students are informed to register your names with details at Department Of Botany

Conduction of certificate course on floriculture



Preparation of bouquets and garlands by students



DEPARTMENT OF BOTANY

COURSE- FLORICULTURE

ATTENDANCE OF THE STUDENTS

S.NO	HALL TICKET NUMBER	NAME OF THE STUDENT	27/1/23	28/2/23	7/3/23	9/3/23	13/3/23	14/3/23	27/3/23	28/3/23	31/4/23	4/4/23
1	220333924451002	B.CHANDRAKALA	Goy	Goy	Goy	Goy	Goy	Goy	Goy	Goy	Goy	Goy
2	220333924451003	G.VARALAXMI	G.V.Vary	G.V.Vary	G.V.Vary	G.V.Vary	G.V.Vary	G.V.Vary	G.V.Vary	G.V.Vary	G.V.Vary	G.V.Vary
3	220333924451005	J.DEEPIKA	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika
4	220333924451006	J.PRIVANKA	Priva	Priva	Priva	Priva	Priva	Priva	Priva	Priva	Priva	Priva
5	220333924451007	J.NARMADA	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud
6	220333924451009	K.ANITHA	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any
7	220333924451011	M.INDU	M.sndu	M.sndu	M.sndu	M.sndu	M.sndu	M.sndu	M.sndu	M.sndu	M.sndu	M.sndu
8	220333924451012	M.NANDINI	Nandiy	Nandiy	Nandiy	Nandiy	Nandiy	Nandiy	Nandiy	Nandiy	Nandiy	Nandiy
9	220333924451013	M.SHANTHA BHAI	Shan	Shan	Shan	Shan	Shan	Shan	Shan	Shan	Shan	Shan
10	220333924451014	M.SHIVANEELA	M.shy	M.shy	M.shy	M.shy	M.shy	M.shy	M.shy	M.shy	M.shy	M.shy
11	220333924451015	M.MANISRI	M.Manai	M.Manai	M.Manai	M.Manai	M.Manai	M.Manai	M.Manai	M.Manai	M.Manai	M.Manai
12	220333924451017	N.BHARATHI	N.Bharathy	N.Bharathy	N.Bharathy	N.Bharathy	N.Bharathy	N.Bharathy	N.Bharathy	N.Bharathy	N.Bharathy	N.Bharathy
13	220333924451019	N.HARICHANDRIKA										

27/2/23 28/2/23 7/3/23 9/3/23 13/3/23 14/3/23 27/3/23 28/3/23 31/4/23 4/4/23

14	220333924451020	N.MANJULA	NMPBank	NMPBank	NMPBank	NMPBank	NMPBank	NMPBank	NMPBank	NMPBank
15	220333924451021	N.PAVANI	Ret	Ret	Ret	Ret	Ret	Ret	Ret	Ret
16	220333924451022	N.SUREKHA	Buy	Buy	Buy	Buy	Buy	Buy	Buy	Buy
17	220333924451023	P.ASHWINI	Ami	Ami	Ami	Ami	Ami	Ami	Ami	Ami
18	220333924451025	P.NANDINI	P. Ret	P. Ret	P. Ret	P. Ret	P. Ret	P. Ret	P. Ret	P. Ret
19	220333924451026	R.ANITHA	Anitha	Anitha	Anitha	Anitha	Anitha	Anitha	Anitha	Anitha
20	220333924451027	R.BHAVANI	R. Bhavani	R. Bhavani	R. Bhavani	R. Bhavani	R. Bhavani	R. Bhavani	R. Bhavani	R. Bhavani
21	220333924451029	S.SHIRISHA	S. Shy	S. Shy	S. Shy	S. Shy	S. Shy	S. Shy	S. Shy	S. Shy
22	220333924451030	V.JYOTHI	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti
23	220333924451031	C.K SUGUNA	K Suguna	K Suguna	K Suguna	K Suguna	K Suguna	K Suguna	K Suguna	K Suguna
24	220333924451032	R.ANUSHA BHAI	Ret	Ret	Ret	Ret	Ret	Ret	Ret	Ret
25	220333924451033	K.SRAVANTHI	Asray	Asray	Asray	Asray	Asray	Asray	Asray	Asray

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DEPARTMENT OF BOTANY

COURSE- FLORICULTURE

ATTENDANCE OF THE STUDENTS

S.NO	HALL TICKET NUMBER	NAME OF THE STUDENT	10/9/23	11/9/23	17/9/23	18/9/23	24/9/23	25/9/23	21/5/23	8/5/23	9/5/23
1	220333924451002	B.CHANDRAKALA	G	G	G	G	G	G	G	G	G
2	220333924451003	G.VARALAXMI	G.Vasy	G.Vasy	G.Vasy	G.Vasy	G.Vasy	G.Vasy	G.Vasy	G.Vasy	G.Vasy
3	220333924451005	J.DEEPIKA	J.deepika	deepika	deepika	deepika	deepika	deepika	deepika	deepika	deepika
4	220333924451006	J.PRIYANKA	J.Priya	J.Priya	J.Priya	J.Priya	J.Priya	J.Priya	J.Priya	J.Priya	J.Priya
5	220333924451007	J.NARMADA	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud	J.Dud
6	220333924451009	K.ANITHA	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu
7	220333924451011	M.INDU	M.Indu	M.Indu	M.Indu	M.Indu	M.Indu	M.Indu	M.Indu	M.Indu	M.Indu
8	220333924451012	M.NANDINI	Narddy	Narddy	Narddy	Narddy	Narddy	Narddy	Narddy	Narddy	Narddy
9	220333924451013	M.SHANTHA BHAI	M.Sharath	M.Sharath	M.Sharath	M.Sharath	M.Sharath	M.Sharath	M.Sharath	M.Sharath	M.Sharath
10	220333924451014	M.SHIVANEELA	M.Siva	M.Siva	M.Siva	M.Siva	M.Siva	M.Siva	M.Siva	M.Siva	M.Siva
11	220333924451015	M.MANISRI	M.Manisri	M.Manisri	M.Manisri	M.Manisri	M.Manisri	M.Manisri	M.Manisri	M.Manisri	M.Manisri
12	220333924451017	N.BHARATHI	N.Bharathi	N.Bharathi	N.Bharathi	N.Bharathi	N.Bharathi	N.Bharathi	N.Bharathi	N.Bharathi	N.Bharathi
13	220333924451019	N.HARICHANDRIKA	N.Harichandrika	N.Harichandrika	N.Harichandrika	N.Harichandrika	N.Harichandrika	N.Harichandrika	N.Harichandrika	N.Harichandrika	N.Harichandrika



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DEPARTMENT OF BOTANY

COURSE- FLORICULTURE

ATTENDANCE OF THE STUDENTS

S.NO	HALL TICKET NUMBER	NAME OF THE STUDENT	15/5/23	16/5/23	5/6/23	12/6/23	13/6/23	19/6/23	20/6/23	26/6/23	27/6/23
1	220333924451002	B.CHANDRAKALA	B	B	B	B	B	B	B	B	B
2	220333924451003	G.VARALAXMI	G	G	G	G	G	G	G	G	G
3	220333924451005	J.DEEPIKA	J	J	J	J	J	J	J	J	J
4	220333924451006	J.PRIYANKA	J	J	J	J	J	J	J	J	J
5	220333924451007	J.NARMADA	J	J	J	J	J	J	J	J	J
6	220333924451009	K.ANITHA	K	K	K	K	K	K	K	K	K
7	220333924451011	M.INDU	M	M	M	M	M	M	M	M	M
8	220333924451012	M.NANDINI	M	M	M	M	M	M	M	M	M
9	220333924451013	M.SHANTHA BHAI	M	M	M	M	M	M	M	M	M
10	220333924451014	M.SHIVANEELA	M	M	M	M	M	M	M	M	M
11	220333924451015	M.MANISRI	M	M	M	M	M	M	M	M	M
12	220333924451017	N.BHARATHI	N	N	N	N	N	N	N	N	N
13	220333924451019	N.HARICHANDRIKA	N	N	N	N	N	N	N	N	N

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Write the scope and economic importance of floriculture

Scope:- The 'iso' good scope for commercial floriculture - the important factors which decide the scope for commercial floriculture are soil, climate labour transport market - all most all big cities are developing very speedily to accommodate all these problems bio-esthetic.

→ floriculture plants when flower - trade is considered difficult - flower like rose, chrysanthemum, gladiolus and tuberose are demand in the market are cut flowers.

Importance:-

→ flowers have been considered as the symbol of grace and elegance and at last for every - they are used in all religious ceremonies.

→ flowers, especially birth, marriage, wedding meeting

→ generally flowers and other by cleaving in chrysanthemum, chrysanthemum and marigold and decorative dried flowers are also used in the flower craft to arrangement of garlands.



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Certificate

This is to Certify that Ms. CK. SUGUNAMMA

D/o CK. MALLAIAH is

Studying BZC- I at TTWRDC (W) Mahabubnagar

has successfully Completed the Certificate Course in FLORICULTURE From

27/02/2023 to 27/06/23 Organized by the Department of

BOTANY During the academic year 2022-2023


Course Co-Ordinator
Department of Botany
TTWRDC (W) Mahabubnagar


Head of the Department
Department of Botany
TTWRDC (W)
MAHABUBNAGAR





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Certificate

This is to Certify that Ms. B. CHANDRAKALA
 D/o B. GUNDYA is
 Studying BZC - I at TTWRDC (W) Mahabubnagar
 has successfully Completed the Certificate Course in FLORICULTURE From
27/02/2023 to 27/04/2023 Organized by the Department of
BOTANY During the academic year 2022-2023

Course Co-Ordinator
 Department of Botany
 TTWRDC (W) Mahabubnagar

Head of the Department
 HOD BOTANY
 TTWRDC (W)
 MAHABUBNAGAR

Principal
 TTWRDC (W)
 Mahabubnagar