

**KNM GOVERNMENT DEGREE COLLEGE, MIRYALGUDA**

**NALGONDA DIST**

**DEPARTMENT OF BOTANY**

**CERTIFICATE COURSE**

**ON**

**NURSERY TECHNIQUES AND PROPAGATION OF HORTICULTURE PLANTS**

**FOR BOTANY STUDENTS**

**ACADEMIC YEAR 2022-2023**

**(FROM 01-11-2022 TO 05-12-2023)**

No. Of Participants :25

No. Of Hours :30

Time: 4:30 pm

**DEPARTMENT OF BOTANY**

**PERMISSION LETTER**

Date: 25-10-2022

To  
The Principal,  
KNM Government Degree College,  
Miryalaguda.

Respected sir,

Sub:- Department of Botany –seeking permission to start certificate course in Botany in our college Request-Reg..

We the Department of Botany would like to start the certificate course in Botany in our college for the academic year 2022-23.

Hence, I request you to permit me to start the certificate course on “**NURSERY TECHNIQUES AND PROPAGATION OF HORTICULTURE PLANTS FOR Botany students**” for this academic year.

Thanking you sir,

Yours faithfully

R.Swapna  
Department of Botany

**CIRCULAR**

Date: 26-10-2022.

All the students are hereby informed that we the Department of Botany planning to start “ **CERTIFICATE COURSE ON NURSERY TECHNIQUES AND PROPAGATION OF HORTICULTURE PLANTS FOR BOTANY STUDENTS**” for a period of 30 hours for this Academic Year 2022-2023. The classes will be conducted during zero hours that is from 4:30 pm to 5:30 pm(1 hour) on all working days.

Interested candidates may enroll their names with Smt. R.Swapna, Lecturer in Botany on or before 30-10-2022.

R.Swapna  
In-charge  
Department of Botany



Principal  
X.N.M. Govt. Degree College  
MIRYALGUDA  
**Principal**

# **DEPARTMENT OF BOTANY**

Certificate Course on

## **NURSERY TECHNIQUES AND PROPAGATION OF HORTICULTURE PLANTS**

### **Curriculum of the Certificate**

#### UNIT-I

(15 hr)

1. Propagation: need and potentialities, methods of propagation and their advantages and disadvantages
2. Nursery tools and implements
3. Methods of vegetative propagation: cutting and layering, budding techniques
4. Use of growth regulators in propagation
5. Techniques of propagation through specialized organs; corms, runner, suckers

#### UNIT -II

(15 hr)

6. Propagation structures: greenhouse and poly houses
7. Seed treatments for breaking seed dormancy
8. Maintenance of nursery records
9. Application of plant protection chemicals in the nursery
10. Uprooting/digging, labelling and packing of nursery plant

KNM GOVERNMENT DEGREE COLLEGE, MIRYALAGUDA

CERTIFICATE COURSE IN Nursery techniques and propagation  
of horticulture plants.

ACADEMIC YEAR 2022-2023

DEPARTMENT OF Botany

Sl. No.	Student Name	Group	H.T. NO.	Signature.
01	B. Sandeep	B.S.C (B.Z.C)	210440184451002	B. Sandeep
02	E. Premkumar	B.S.C (B.Z.C)	2010440184451007	E. Premkumar
03	G. Siddharth	B.S.C (B.Z.C)	210440184451008	G. Siddharth
04	K. Upendrachi	B.S.C (B.Z.C)	210440184451010	K. Upendrachi
05	L. Poojitha	B.S.C (B.Z.C)	210440184451014	L. Poojitha
06	M. Venu	B.S.C (B.Z.C)	210440184451016	M. Venu
07	N. Shivani	B.S.C (B.Z.C)	210440184451017	N. Shivani
08	N. Aruna	B.S.C (B.Z.C)	210440184451018	N. Aruna
09	N. Devikumari	B.S.C (B.Z.C)	210440184451020	N. Devikumari
10	P. Vignesh	B.S.C (B.Z.C)	210440184451022	P. Vignesh
11	P. Shiva.	B.S.C, B.Z.C	210440184451023	P. Shiva.
12	R. Edukondalu	B.Sc (B.Z.C)	210440184451024	R. Edukondalu
13	SK. SAMEER	B.S.C (B.Z.C)	210440184451025	SK. SAMEER
14	S. Nayathri	B.S.C (B.Z.C)	210440184451026	S. Nayathri
15	T. Srinadh	B.S.C (B.Z.C)	210440184451027	T. Srinadh
16	X. Brahman	B.S.C (B.Z.C)	210440184451028	X. Brahman
17	S. Lokesh	B.Z.C	21440185791002	S. Lokesh
18	A. Bhavani	B.S.C (B.Z.C)	20440184451001	A. Bhavani
19	A. Seidulu.	B.S.C (B.Z.C)	20440184451002	A. Seidulu.
20	D. Shrivani	B.S.C (B.Z.C)	20440184451005	D. Shrivani



S.No	Student Name	Group	H.T. NO	Signature.
21	D. Bhanu Prakash	B.Sc (BZC)	20044018445 006	D. Bhanu Prakash
22	G. Varun Kumar	B.Sc (BZC)	008	G. Varun Kumar
23	L. L. Kalyani	B.Sc (BZC)	20044018445010	L. Kalyani
24	M. Eshwar	B.Sc (BZC)	20044018445012	M. Eshwar
25	MD. Sana	B.Sc (BZC)	20044018445014	MD. Sana

  
 Principal  
 K.N.M. Govt. Degree College  
 MIRYALGUDA

Principal

Students attendance sheet:

KNM GOVERNMENT DEGREE COLLEGE, MIRYALAGUDA																																
CERTIFICATE COURSE IN Nursery Techniques and propagation of Horticulture plants.																																
DEPARTMENT OF.....Botany.....																																
Attendance Sheet :: AY 2022-2023 November																																
Sl. No	Name of the participant	Date & Month																														Student Signature
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	B. Sandeep	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	B. Sandeep
2	F. Premkumar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	F. Premkumar
3	G. Siddharth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	G. Siddharth
4	K. Upendrachamy	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	K. Upendrachamy
5	L. Poojitha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	L. Poojitha
6	M. Venu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	M. Venu
7	N. Shivani	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	N. Shivani
8	N. Aruna	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	N. Aruna
9	N. Devikumar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	N. Devikumar
10	P. Vignesh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	P. Vignesh
11	P. Shiva	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	P. Shiva
12	R. Aduramulu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	R. Aduramulu
13	S. Sameer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	S. Sameer
14	S. Chayathari	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	S. Chayathari
15	T. Srinadh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	T. Srinadh
16	X. Brahmam	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	X. Brahmam
17	S. Lokesh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	S. Lokesh
18	A. Bhavani	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A. Bhavani
19	A. Saidulu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A. Saidulu
20	D. Shrivani	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	D. Shrivani
21	D. Banu prakash	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	D. Banu prakash
22	G. Varun Kumar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	G. Varun Kumar
23	L. Kalyani	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	L. Kalyani
24	M. Eshwar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	M. Eshwar
25	MD. Sana	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	MD. Sana

  
 Principal  
 K.N.M. Govt. Degree College  
 MIRYALAGUDA

Sign. Of the Principal

# **KNM GOVERNMENT DEGREE COLLEGE MIRYALAGUDA**

## **Department OF Botany**

### **Student Feedback analysis on**

### **NURSERY TECHNIQUES AND PROPAGATION OF HORTICULTURE PLANTS**

<b>Sl.No</b>	<b>Questionnaire</b>	<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Average</b>	<b>Poor</b>	<b>Total</b>
<b>1</b>	Syllabus frame work	<b>20</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>25</b>
<b>2</b>	Coverage of Syllabus	<b>23</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>3</b>	Course Methods	<b>20</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>4</b>	Explanation of the topics	<b>23</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>5</b>	Interaction	<b>24</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>6</b>	Doubts clarification	<b>24</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>7</b>	Teacher presentation	<b>24</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>8</b>	Interest Generation	<b>20</b>	<b>2</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>9</b>	Time Management	<b>23</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>10</b>	Overall opinion	<b>23</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>25</b>
	Remarks of the Principal	<b>GOOD</b>					



**KNM GOVERNMENT DEGREE COLLEGE, MIRYALAGUDA**  
**DEPARTMENT OF BOTANY**

**NURSERY TECHNIQUES AND PROPAGATION OF HORTICULTURE PLANTS**

**Certificate Course Summary**

1. Name of the course : Nursery techniques and propagation of horticulture plants
2. Name of the Course Coordinator : R.Swapna
3. Number of students participated: 25
4. Number of students completed the course: 25
5. Number of hours taken 30 Hours
6. Date of the course : 01 11-2022 to 05-12-2023
7. No. of certificates issued 25



Principal  
K.N.M. Govt. Degree College  
MIRYALAGUDA

**Principal**

**KNM GOVERNMENT DEGREE COLLEGE, MIRYALAGUDA**

**NALGONDA DIST**

**DEPARTMENT OF BOTANY**

**Student Feedback Form**

Sl.No	Questionnaire	Excellent	Very Good	Good	Average	Poor	Total
1	Syllabus frame work	✓					
2	Coverage of Syllabus		✓				
3	Course Methods		✓				
4	Explanation of the topics	✓					
5	Interaction		✓				
6	Doubts clarification		✓				
7	Teacher presentation	✓					
8	Interest Generation		✓				
9	Time Management	✓					
10	Overall opinion	✓					

MD.Sana

Signature of the student

**KNM GOVERNMENT DEGREE COLLEGE MIRYALAGUDA**

**NALGONDA DIST - TELANGANA**

(Affiliated Mahatma Gandhi University , Nalgonda)

**DEPARTMENT OF BOTANY**

***Certificate***

*This is certify that **Mr / Mrs MD.Sana** your bearing the B.Z.C-III Year  
Roll No **2044044018445014** has successfully completed the certificate course  
in " **NURSERY TECHNIQUES AND PROPAGATION OF HORTICULTURE PLANTS** " organized  
by Department of Botany.*

*R.Swapna*  
**Department Incharge**

  
**Principal**  
K.N.M. Govt. Degree College  
MIRYALAGUDA  
**PRINCIPAL**

**KNM GOVERNMENT DEGREE COLLEGE MIRYALAGUDA**

**NALGONDA DIST - TELANGANA**

(Affiliated Mahatma Gandhi University , Nalgonda)

**DEPARTMENT OF BOTANY**

***Certificate***

*This is certify that **Mr / Mrs G.Varun kumar** your bearing the B.Z.C-III Year  
Roll No **2044044018445008** has successfully completed the certificate course  
in " **NURSERY TECHNIQUES AND PROPAGATION OF HORTICULTURE PLANTS** " organized  
by Department of Botany.*

*R.Swapna*  
**Department Incharge**

  
**Principal**  
K.N.M. Govt. Degree College  
MIRYALAGUDA  
**PRINCIPAL**