

Dr. V.S. KRISHNA GOVERNMENT DEGREE



VISAKHAPATNAM



Add-on course

on

Horticulture techniques



CONDUCTED BY DEPARTMENT OF BOTANY

GENERAL OBJECTIVES OF THE COURSE:

1. To inculcate the importance of studying horticultural practices and usage of horticultural crops.
2. To equip the students with practical knowledge of horticultural practices.
3. To familiarize the students with the horticulture based industries at national and international level.
4. To impart the basic skills of entrepreneurship in the students specifically in the field of horticulture.

hcti
(Dr. P. Srivani)

S. V. S.

PRINCIPAL
Dr. V.S. Krishna Govt. Degree College (A)
VISAKHAPATNAM

PERMISSION LETTER TO START ADD ON COURSE

FROM

Head of the Department

Department of Botany

Dr.V.S. Krishna Government Degree college (A)

Visakhapatnam.

TO

The Principal

Dr. V.S. Krishna Govt. Degree college (A)

Visakhapatnam

Respected Sir,

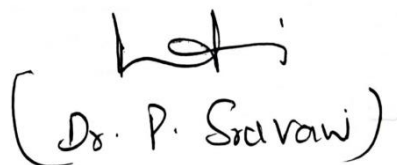
SUB: Permission to start an Add-on course for the academic year 2021-22

and nominate the Botany faculty to teach classes for the add on course –Regarding.

REF: Resolution copy of the Department of Botany

As per the resolutions of the department of Botany, We are very much glad to start an Add-on Course with a title Horticultural techniques for I, /II /III B.Sc.(CBZ,CBBT) students Hence ,We are requesting you to gave permission to start the Add on course and also permission to teach theory and Practical classes for the said on course.

Yours faith fully


(Dr. P. Saravani)

Dr. V.S.Krishna Government Degree college (A)

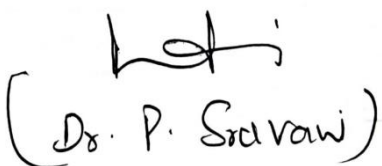
Department of Botany

Department-Meeting

Minutes of meeting dated-

The faculty of Botany Department met in the Department staff room on ----- and discussed the following Matter

1. It is resolved to start Add on course in the Department pf Botany in the Academic year
2. To submit a letter to the principal for getting permission to start Add on course
3. To prepare syllabus to the Add on course
4. to start the course with the minimum no.of students 20
5. To conduct classes for Add on course 20+20 Teaching and practical hours respectively
6. Permission to conduct Add on course classes by the Botany faculty
7. Permission to utilize the Botany laboratory to conduct the practicals for Add on course
8. Continuing the add on course for the next 2 years


(Dr. P. Sravani)

DR.V. S. KRISHNA GOVT. DEGREE AND PG COLLEGE (A)

DEPARTMENT OF BOTANY

ADD ON CERTIFICATE COURSE-1

1. Subject: **HORTICULTURE TECHNIQUES**

2. Number of Instructional hours required: 30 (Theory – 30 & Hands on experience - 30)

3. Number of Credits to be awarded: 01

4. Period of Study: In any semester of the choice of the student.

5. Objectives:

- To impart the basic knowledge in Horticulture.
- To learn the creative methods of landscaping and make use of waste land.
- To learn various types of vegetable cultivation.
- To learn flowering and non-flowering ornamental plant cultivation methods at basic level to become entrepreneurs.

6. SYLLABUS – THEORY

5x6=30 hrs

Module1: Introduction& History Divisions of Horticulture

Module 2:, Horticulture & Society, Horticulture therapy

Module 3: Vegetables and vegetable gardening

Module4: Bonsai Culture

Module 5: Landscaping

7. Practicals: Project Submission and field trips

30hrs

1: Micro Irrigation

2: Vegetables and vegetable gardening

3: Bonsai Culture

4: Landscaping

5: Resource Centres for Practicals – VUDA Gardens, Kailasagiri Gardens,

Sivaji Park, CMR Gardens, Dolphins Nature Conservation Society -

Biodiversity Park

DR.V. S. KRISHNA GOVT. DEGREE AND PG COLLEGE (A)

MODEL QUESTION PAPER

ADD-ON -COURSE: HORTICULTURE TECHNIQUES

Time: 2hours

Max Marks: 50

Answer any three from the following:

10 X 3 =30M

1. What is Horticulture? Give a general account on horticulture and its techniques.
2. Write an essay on the general principles of vegetable gardening.
3. Write an essay on the cultivation of vegetable crops with specific example.
4. What is Bonsai? Describel the principles of Bonsai trees cultivation
5. Write an essay on types of Landscaping.

Write any four of the following short answers:

4 X 5 – 20M

- | | |
|------------------------------------|------------------------------|
| 1. Horticulture and society | 5. Drip irrigation |
| 2. Benefits of vegetable gardening | 6. Landscaping designing |
| 3. Styles of Bonsai | 7. Categories of Landscaping |
| 4. Home Gardens | 8. Goals of Landscaping |

Horticulture Add on Course enrolled, techniques BZC (TM) 2021-22

S.No.	Id No.	Name of Student	Signature
1.	D. Seetaram T19203082	D. Seetaram	D. Seetaram
2.	T19203029	K. Anil	K. Anil
3.	T19203041	P. Jagannadham	P. Jagannadham
4.	T19203051	M. Mani	M. Mani
5.	T19203054	K. Nagamani	K. Nagamani
6.	T19203055	V. Nagamani	V. Nagamani
7.	G19203057	G. Nookkadevi	G. Nookkadevi
8.	T19203059	P. Parithota	P. Parithota
9.	T19203058	P. Pavani	P. Pavani
10.	T19203061	D. Prasanthi	D. Prasanthi
11.	T19203066	Kanchipati Rama Lakshmi	K. Rama Lakshmi
12.	T19203064	Kanchiboyena Rama	K. Rama
13.	T19203080	A. Sarala	A. Sarala
14.	T19203084	P. Sowjanya	P. Sowjanya
15.	T19203086	V. Sowani	V. Sowani
16.	T19203091	K. Teja	K. Teja
17.	T-19203087	G. Sudhasravani	G. Sudhasravani
18.	T-19203085	R. Sravani	R. Sravani
19.	Ch. Radha T19203032	Ch. Radha	Ch. Radha
20.	T-19203032	J. Bhavani	J. Bhavani
21.	T-19203033	S. Bhulakshmi	S. Bhulakshmi
22.	T-19203053	P. Muthyalamma	P. Muthyalamma
23.	T19203042	R. Karthik	R. Karthik

24) T19203068

25) T19203029

26) T19203048

27) E17203014

28) E17204006

G. Ramavathi

m. Babugao

G. Latha

B. POORNIA

K. Dayani

G. Ramavathi

m. Babugao

G. Latha

B. Joruna

K. Dayani

+ Horticulture Add-on Course

Examination

12/4/2022

S.No.	Regd. No.	Name & Group	Sign.
1.	E19204024	N. Sripavani BT.BC	N. daimaney
2.	T19203049	Ganika. Lokeswara Rao.	G. Lokeswara Rao.
3.	E19203017.	J. Siva Kumar (BZC-6m)	J. Siva Kumar
4.	T19203068	G. Ramavathi	G. Ramavathi
5.	T19203061	D. Prasanthi	D. Prasanthi Received
6.	T19203066	K. Rama Lakshmi	K. Rama Lakshmi Received
7.	T19203091	K. Teja	K. Teja Received
8.	T19203054	K. Nagamani	K. Nagamani
9.	T19203057	Gr. Nookandam	Gr. Nookandam
10.	T19203051	M. Mani BSC BZC (TM)	M. Mani
11.	E19204016	P. Maheswari BSC (BTBC)	P. Maheswari
12.	T19203086	V. Soravani Bsc-BZC	V. Soravani
13.	T19203083	G. SIVA B.SC - BZC	G. Siva
14.	T19203055	U. Naganamani BSC-BZC	U. Naganamani
15.	T19203042	R. Karthik B.Sc-BZC	R. Karthik

16.	E19204014	A. Kiran Kumar III B.T.BC	A. Keeray
17.	E19203023	B. Yugoudhar III BZC	B. Yugudhar
18.	T19203084	P. Sowjanya III BZC (TM)	P. Sowjanya,
19.	T19203032	J. Bhavani III BZC (T.M)	J. Bhavani
20.	T19203080	A. Sarala III BZC (TM)	A. Sarala,
21.	E19203012	S. Navya III BZC (E.M)	S. Navya
22.	E19204026	T. Saraswathi III B.T.B.C. (E.M)	T. Saraswathi
23.	E19203010	K. Murali Krishna III BZC [E.M]	K. Murali Krishna
24.	E19203022	K. Venkatalakshmi III BZC (E.M)	K. Venkatalakshmi
25.	E19203007	T. Kumari 3rd BZC (E.M)	T. Kumari
26.	E19203019	S. Sushma 3rd BZC (E.M)	S. Sushma.
27.	E19204007	S. Gowthami III B.T.B.C.	S. Gowthami
28.	E19203008	T. Lakshman III CBZ EM	T. Lakshman.

29	E19203014	M. Podnima <u>III</u> BZC [E.M.]	M. Podnima
30	E19203004	P. Ishwarya <u>III</u> BZC [E.M.]	P. Ishwarya
31	E19204013	K. Keerthi <u>III</u> BT, B.C.	K. Keerthi
32	T19203074	U. Sadhusam <u>II</u> B.Z.C.	U. Sadhusam
33	T19203085	R. Savarni <u>II</u> B.Z.C.	R. Savarni
34	T19203029	M. Babu Rao <u>III</u> BZC (FM)	M. Babu Rao
35	T19203034	B. Chandrayya <u>II</u> (BZC) FM	B. Chandrayya

DEPARTMENT OF BOTANY

ADD ON COURSE 2021-22 Group: BZC/BTBC E.M

s.n	Reg No	Name
0		
1	T19203082	D.Seetharam
2	T19203027	K.Anil
3	T19203041	P.Jagannadham
4	T19203054	M.Mani
5	T19203051	K. Nagamani
6	T19203055	V.Nagamani
7	T19203057	G.Nooka devi
8	T19203059	P.Pavithra
9	T19203058	P.Pavani
10	T19203061	D.Prasanthi
11	T19203066	K.Ramalakshmi
12	T19203064	K.Rama
13	T19203080	A.Sarala
14	T19203084	P.Sowjanya
15	T19203086	V.Sravani
16	T19203091	K.Teja
17	T19203087	G.Sudha Sravani
18	T19203085	R.Sravani
19	T19203062	Ch.Radha
20	T19203082	J.Bhavani
21	T19203032	S.Bhhu lakshmi
22	T19203033	P.Mutyalamma

23	T19203053	R.Karthik
24	T19203042	G.Ramavathi
25	T19203068	M.Baburao
26	T19203029	G.Latha
27	T19203048	B.Poorna
28	E17203014	K.Dayasri
29	E17203006	K.Prasanthi
30	E19204024	N.Sai Praveen
31	T19203049	G.Lokeswar rao
32	E19203017	J.Siva kumar
33	T19203068	G.Ramavathi
34	T19203061	D.Praswanthi
35	T19203066	K.Ramalakashmi
36	T19203091	K.Teja
37	T19203054	K.Nagamani
38	T19203057	G.Nookadevi
39	T19203051	M.Mani
40	E19204016	P.Maheswari
42	T19203086	G.Shiva
43	T19203083	U.Nagamani
44	T19203055	R.Karthik
45	T19203042	A.Kiran kumar
46	E19204014	B.Yugandhar
47	E19203023	P.Sowjanya
48	T19203084	J.Bhavani
49	T19203032	A.sarala
50	T19203080	S.Navya
51	E19203012	K.Saraswathi
52	E19204026	K.Murali Krishna

**DR.V.S.KRISHNA GOVT. DEGREE & P.G COLLEGE (A), VISAKHAPATNAM,
CODE: HT2016**

**DEPARTMENT OF BOTANY,
ADD-ON COURSE –HORTICULTURE TECHNIQUES,
AWARD LIST 2021-22**

S.No.	CLASS	ID NUMBER	Name of the student	MARKS-50	GRADE
1.	III CBZ-TM	T19203082	D.Seetharam	44	A
2.		T19203027	K.Anil	46	A
3.		T19203041	P.Jagannadham	41	A
4.		T19203054	M.Mani	43	A
5.		T19203051	K. Nagamani	44	A
6.		T19203055	V.Nagamani	42	A
7		T19203057	G.Nooka devi	40	A
8		T19203059	P.Pavithra	44	A
9.		T19203058	P.Pavani	48	A
10.		T19203061	D.Prasanthi	42	A
11.		T19203066	K.Ramalakshmi	40	A
12		T19203064	K.Rama	40	A
13.		T19203080	A.Sarala	41	A
14.		T19203084	P.Sowjanya	43	A
15		T19203086	V.Sravani	46	A
16.		T19203091	K.Teja	46	A
17.		T19203087	G.Sudha Sravani	42	A
18.		T19203085	R.Sravani	41	A
19		T19203062	Ch.Radha	43	A
20		T19203082	J.Bhavani	41	A
21		T19203032	S.Bhhu lakshmi	43	A
22		T19203033	P.Mutyalamma	40	A

23		T19203053	R.Karthik	41	A
24		T19203042	G.Ramavathi	40	A
25		T19203068	M.Baburao	42	A
26		T19203029	G.Latha	43	A
27		T19203048	B.Poorna	41	A
28	MBBTC	E17203014	K.Dayasri	42	A
29		E17203006	K.Prasanthi	43	A
30		E19204024	N.Sai Praveen	42	A
31		T19203049	G.Lokeswar rao	42	A
32		E19203017	J.Siva kumar	43	A
33		T19203068	G.Ramavathi	40	A
34		T19203061	D.Praswanthi	43	A
35		T19203066	K.Ramalakshmi	47	A
36		T19203091	K.Teja	42	A
37		T19203054	K.Nagamani	41	A
38		T19203057	G.Nookadevi	41	A
39		T19203051	M.Mani	45	A
40		E19204016	P.Maheswari	44	A

Let's
(Dr. P. Sravani)

J. V. S.
PRINCIPAL
Dr. V.S. Krishna Govt. Degree College (A)
VISAKHAPATNAM



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2021 - 2022

This is to certify that Mr. / Miss N. Sanku.....of

B.Sc. 4th Sem.....has successfully completed the Add - on Course in Horticulture Techniques.....

with Regd No. T19803086.....Organized by the Department of Botany.....in

collaboration with.....during year 2021 - 2022 . He / She has passed the course with

A.....grade.

Course Coordinator

PRINCIPAL

Dr. V.S. Krishna Govt. Degree College(A)

VISAKHAPATNAM

25/10/2021



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)

MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2011 - 2012

This is to certify that Mr. / Miss P. Sowjanya of
B.Sc. CB2 (T.N.) has successfully completed the Add - on Course in Horticulture Techniques
with Regd No. T19203084 Organized by the Department of Botany in
collaboration with.....during year 2011 - 2012 . He / She has passed the course with
A grade.

Course Coordinator

PRINCIPAL

Dr. V.S. Krishna Govt. Degree College(A)

Dr. V.S. Krishna Govt. Degree College(A)

PRINCIPAL



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2011 - 2012

This is to certify that Mr. / Miss M. Grewthami of
..... (B2C) T.M. has successfully completed the Add - on Course in Horticulture Techniques
with Regd No. T15203046 Organized by the Department of Botany in
collaboration with during year 2011 - 2012 . He / She has passed the course with
..... A grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College (A)
VISAKHAPATNAM
27/10/2021



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH




ADD-ON COURSE CERTIFICATE

2011 - 2012

This is to certify that Mr. / Miss K. Anil.....of
B.Sc. CBZ T.M.....has successfully completed the Add - on Course in Horticulture Techniques.....
with Regd No. 19203027.....Organized by the Department of Botany.....in
collaboration with.....during year 2011 - 2012 . He / She has passed the course with
A'.....grade.


Course Coordinator


PRINCIPAL
Dr. V.S. Krishna Govt. Degree College (A)
Maddilapalem, Visakhapatnam-530013



Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE(A)

(NAAC ACCREDITED 'A' GRADE INSTITUTION & DISTRICT IDENTIFIED COLLEGE)
MADDILAPALEM, VISAKHAPATNAM-530013. ANDHRA PRADESH



ADD-ON COURSE CERTIFICATE

2021 - 2022

This is to certify that Mr. / Miss R. Karthik of
U.P.S. (B.S. (G.M.)) has successfully completed the Add - on Course in Agriculture Techniques
with Regd No. T19203042 Organized by the Department of Botany in
collaboration with - during year 2021 - 2022 . He / She has passed the course with
A grade.

L. S. i
Course Coordinator

S. V. S. PRINCIPAL 27/10/2022
PRINCIPAL
Dr. V.S. Krishna Govt. Degree College (A)
Dr. V.S. Krishna Govt. Degree College (A)