Dr. V.S. KRISHNA GOVERNMENT DEGREE



Add-on course

on

Horticulture techniques



GONDUCTED 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.

(Dr. P. Sravawi)

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

PERMISSION LETTER TO START ADD ON COURSE

FROM TO

Head of the Department The Principal

Department of Botany Dr. V.S. Krishna Govt. Degree college (A)

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

Visakhapatnam.

Respected Sir,

SUB: Permission to start an Add-on course for the academic year 2022-23

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 faithfully

(Dr. P. Sicivaria)

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. Szavawi)

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

Module 1: Introduction & History Divisions of Horticulture Module 2:, Horticulture & Society, Horticulture therapy

Module 3: Vegetables and vegetable gardening

Module 4: 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

<u>ADD-ON -COURSE: HORTICULTURE TECHNIQUES</u>

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
- 2. Benefits of vegetable gardening
- 3. Styles of Bonsai
- 4. Home Gardens

- 5. Drip irrigation
- 6. Landscaping designing
- 7. Categories of Landscaping
- 8. Goals of Landscaping

HORTICULTURE Add-on-Course Examination 11-07-2023

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

Department of Botany

ADD ON COURSE 2022-23 Group: BZC, BTBC E.M

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(Dr. P. Sidvani)

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

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

DEPARTMENT OF BOTANY,

ADD-ON COURSE –HORTICULTURE TECHNIQUES, AWARD LIST 2022-23

S.No.	CLASS	ID NUMBER	Name of the student	MARKS-50	GRADE
1.	III CBZ-TM	T20203045	K.Lovaraju	47	A
2.		T20203029	K.Arundathi	40	A
3.		T20203048	A.Maheswari	42	A
4.		T20203037	P.Govinda Priya	44	A
5.		T20203047	P.Madhavi	46	A
6.		T20203040	D.Konda Babu	43	A
7		T20203053	R.Rajam Naidu	42	A
8		T20203034	R.Durga Prasad	41	A
9.		T20203025	A.Ajadh	45	A
10.		T20203038	N.Govinda raju	42	A
11.		E20204009	K.Mounika	40	A
12	MBBTC	E20204005	S.Joshna S.Joshna	40	A
13.		E20204007	V.Mahalakshmi	40	А
14.		E20204012	A.Sai Jyothi	42	A
15		E20204001	Y.Asmi Naidu	41	A
16.		E20204010	N.Pavan Kumar	46	A
17.		E20204004	K.Janardhan	43	A
18.	III CBZ-TM	T20203042	M.Kumari	44	A
19		T20203036	B. Ganesh	40	A

20		T20203035	V.Ganesh	40	A
21		T20203032	K.Chandu	42	A
22		T20203030	M. Aswini	40	A
23	MBBTC	E20204033	N. Durga	45	A
24	MBBTC	E20204006	P. Kamaraju	46	A
25	MBBTC	E20204003	V.Ganesh	42	A
26	III CBZ-TM	T20203041	K.Kumari	43	A

(Dr. P. Sravawi)

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VISAKHAPATNAM





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

ADD-ON COURSE CERTIFICATE

2012 - 2013

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Course Coordinator

Dr. V.S. Krishna Govt. Degree College (A) ge (4





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

ADD-ON COURSE CERTIFICATE

201 - 2012

This is to certify that Mr. / MissCh: Radhaof
19 BS CT32 Time has successfully completed the Add - on Course in Harticultum Techniques
with Regd No
collaboration withduring year 2011 - 2012. He / She has passed the course with
A' grade.

Course Coordinator

PRINCIPAL PRINCI





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

ADD-ON COURSE CERTIFICATE

2012 - **201**3

This is to certify that Mr. / Miss
யு நி.வே. இது நின் has successfully completed the Add - on Course in அதிப்பியுக் நிலியாவும்
with Regd No
collaboration withduring year 2012 - 2013 . He / She has passed the course with
grade.

Course Coordinator

Dr. V.S. Krishnas Göven Degree College (A)





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

ADD-ON COURSE CERTIFICATE

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This is to certify that Mr. / Miss	of
M. R. S. C. B. E. M. has successfully completed the Add - on Course in	rticullum Techniques
with Regd No E2020 4004. Organized by the Department of	}in
collaboration withduring year 2011 - 2013 . He / Sh	e has passed the course with

Course Coordinator

Dr. V.S. Krishna GovBADegree College (A)





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

ADD-ON COURSE CERTIFICATE

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A'grade.	

Course Coordinator

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







ADD-ON COURSE CERTIFICATE

2012 - 2013

This is to certify that Mr. / Miss R. Rayam Naudu: of
19 B.S.C. C.T.S.)
with Regd No
collaboration withduring year 2012 - 2013 . He / She has passed the course with
grade.

Course Coordinator

PRINCIPAL Work

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