

permission Letter for Certificate Course

To,  
The principal,  
Government Degree College for Women,  
Madanapalle.

Date  
15-09-2023

Madam,

Sub: - Govt. Degree College for Women Madanapalle - Seeking  
permission to start Certificate Course

Certificate course in Vermicomposting - 30 days duration -  
no fee - accord permission - request. Reg.

We submit that permission may kindly be accord for  
The above mentioned course vide subject.

The duration of course will be 30 days and major  
stakeholders are marginalized section, hence we request  
that fee will be exempted for the students who pursue the  
course.

Kindly accord permission

with regards

  
15/9/23

PRINCIPAL  
Govt. Degree College for Women  
MADANAPALLE, Annamaya Dist

Yours faithfully,



Dr. V. Gurumurthy

Lecturer in Zoology

Govt. Degree College for Women  
MADANAPALLE.

## Circular

Madanapalle  
15-09-2023

This is to inform you that, Department of Zoology, Govt. Degree College for Women, Madanapalle would like to start a certificate course on Vermicomposting for B.Sc students. This certificate inauguration programme will be on 16-09-2023 at 4 PM. So interested students can enroll their names in department of zoology and attend the programme tomorrow (16-9-2023).

Name of the programme :- Certificate Course in Vermicomposting


Place: Zoology Lab

Date & Time: 16-9-2023 @ 4 PM

  
15/9/23  
PRINCIPAL  
Govt. Degree College for Women  
MADANAPALLE, Annamayya Dist.

II BSc B2C HQ  
MPCS HQ  
CBH HQ

I BSc  
B2C  
MPCS

  
Lecturer in Zoology 15/9/23  
Govt. Degree College for Women  
MADANAPALLE 517 323

GOVERNMENT DEGREE COLLEGE (W), MADANAPALLE

DEPARTMENT OF ZOOLOGY

INAUGURAL PROGRAMME

<b>Welcome address</b>	<b>: S.Annapurna</b>
<b>Introduction of the Chief Guest</b>	<b>: Dr V Gurumurthy</b>
<b>Presidential Remarks</b>	<b>:Dr R Krishnsveni,Principal</b>
<b>Address by the Chief Guest</b>	<b>: Sri S.Ramamohan</b>
<b>Presentation of the course design and contents</b>	<b>: Dr V.Gurumurthy</b>
<b>Vote of thanks</b>	<b>: Dr V Gurumurthy</b>

# GOVERNMENT DEGREE COLLEGE (W), MADANAPALLE

## DEPARTMENT OF ZOOLOGY

### COURSE SYLLABUS

#### Unit I: Vermiculture/vermicompost

1. Introduction to vermiculture, definition, meaning, history, economic importance
2. Choosing right worms. Useful species of earthworms, local species of earthworms. Exotic species of earthworms

#### Unit II: Earthworm Biology and Rearing

3. Key to identify the species of earthworms.
4. Biology of *Eisenia fetida*.
  - a) Taxonomy, Anatomy, Physiology and Reproduction .
  - b) Vital cycle of *Eisenia fetida*

#### Unit III: Vermicompost technology

5. Small scale Earthworm forming for home garden  
Earthworm composting for home garden
6. Conventional commercial composting  
Earthworm composting for larger scale
7. Earthworm Forming ( Vermiculture ). Extension (harvest), Vermicomposting harvest and processing.

#### Unit IV : Benefits of composting

8. Nutritional composition of vermicompost for plants, comparison with other fertilizers.  
Vermiwash collection, Composition and use
9. Enemies of Earthworms and sickness. Frequent problems and how to prevent and fix them
  1. Key to identify different types of Earthworms
  2. Field trip collection of native Earthworms and their identification
  3. Study the external characters of *Eisenia fetida*.

4. Preparation of vermibeds, maintenance of compost and climatic conditions

V.S. Printers, Ponniamman Koil Street, Chittoor. Phone : 08572-235590

		Attendance Register for the												Month of												- 20			
Adm No అధికారి నంబరు	S No సంఖ్య	Name పేరు	20																										
			Caste వర్ణము	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
01		A. Hemalatha	X	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
02		G. Bhavya sree	X	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
03		P. Jaya sree	X	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
04		p. Bhavana sree	X	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
05		S. Naseema	X	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
06		B. Mounika	X	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
07		S. Yasmin	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
08		C. Gowthami	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
09		D. Lokeshwari	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
10		G.R. Sushmitha	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
11		T. Varshiltha	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
12		P. Indu	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
13		K. Uma	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
14		K. Shamshad	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
15		A. Pavithra	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
16		N. Aruna Kumari	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
17		S. Aswini	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
18		V. Rekha	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

**GOVERNMENT DEGREE COLLEGE (W), MADANAPALLE**  
**DEPARTMENT OF ZOOLOGY**

**VALIDICTORY PROGRAMME OF CERTIFICATE COURSE**

<b>Welcome address</b>	<b>: S.Annapurna</b>
<b>Introduction of the Chief Guest</b>	<b>: Dr V Gurumurthy</b>
<b>Presidential Remarks</b>	<b>:Dr R Krishnsveni,Principal</b>
<b>Address by the Chief Guest</b>	<b>: Smt.Bhavani Devi</b>
<b>Presentation of the course design and contents</b>	<b>: Dr V.Gurumurthy</b>
<b>Vote of thanks</b>	<b>: Dr V Gurumurthy</b>
<b>Distribution of Certificates by</b>	<b>: Dr R KRISHNAVENI</b>

## **DEPARTMENT OF ZOOLOGY**

### **Brief Report on Certificate course**

Certificate course in Vermicomposting and organic farming started with Inauguration by Department of Zoology Government Degree College for Women, Madanapalle. For this programme Sri S Ramamohan, organic farmer has been invited and asked him to address about the programme. He explained the process of Vermicomposting and its benefits. Our principal graced this occasion and given her remarks on this programme. The course has been started on 22<sup>nd</sup> sept. 2023 and course completed by 29<sup>th</sup> oct. 2023.

#### **OUTCOMES OF THE PROGRAMME;**

The students were able to learn the importance of Vermicomposting from this certificate course. Students have visited the vermicomposting unit and practiced the method and process of vermicomposting in the college. The vermicompost that is produced is distributed to our college garden.

**CERTIFICATE**

**GOVERNMENT DEGREE COLLEGE  
(W), MADANAPALLE**

**Department of Zoology**

**B.MOUNIKA**

**has completed**

**Certificate course on Vermicomposting &  
Organic farming**

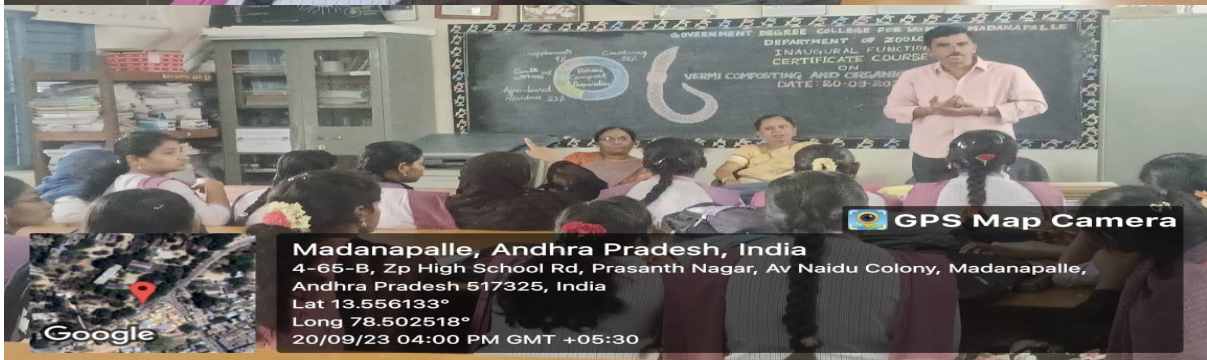
A handwritten signature in blue ink, consisting of a large initial 'R' followed by a long, flowing cursive line that ends in a horizontal stroke.

**HOD, Dept. of Zoology**

**Principal**



## INAUGURAL PROGRAMME OF CERTIFICATE COURSE



## VALIDICTORY PROGRAMME OF CERTIFICATE COURSE



