



MUGBERIA GANGADHAR MAHAVIDYALAYA
P.O.—BHUPATINAGAR, Dist.—PURBA MEDINIPUR, PIN.—721425, WEST BENGAL, INDIA
NAAC Re-Accredited B Level Govt. aided College
CPE (Under UGC XII Plan) & NCTE Approved Institutions
DBT Star College Scheme Award Recipient
E-mail : mugberia_college@rediffmail.com // www.mugberiangangadharmahavidyalaya.org

Ref. No.—M.G.M. / /

From—The Principal / Secretary,

Date

Report

On

Skill Development Certificate Course

On

“Use Of Vermicompost in Agriculture (Carrier Oriented Programmed)”

Course period: 20th March 2019, –15th January, 2020



Organized by:

The Department of Nutrition (UG)

Mugberia Gangadhar Mahavidyalaya

ACCREDITED BY NAAC WITH GRADE B+

Affiliated

to

Vidyasagar University

Bhupatinagar, Purba Medinipur –7214 25



Dept. of Nutrition
Mugberia Gangadhar Mahavidyalaya

A short meeting was arranged at 3pm regarding the implementation of certificate course on **"Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)"**

In our Department.

Decision taken in the meetings:

- (1) It is decided that **Dr. Bidhan Samanta, HOD, Dept of Chemistry** will be course director of this course.
- (2) It is decided that **Ms. Moumita Samanta, SACT, Dept of Nutrition** will be coordinator of this course.
3. The course period will be scheduled from 20th March 2019, –15th January, 2020 in every week.

It is decided that the course will be delivered by lecture, interaction and doubt clearance along with an examination on topic related to **"Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)"** Organized by **Dept. of Nutrition**. Course is conduct for UG-4th sem. Course access fee for the student is decided as **Rs. 200/-**. HOD will forward the matter for approval of this course from Academic Sub-committee.

Teachers are requested to prepare routine for smooth running go course.

The meeting comes to end with a vote of thanks.



Dept. of Nutrition
Mugberia Gangadhar Mahavidyalaya



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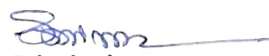
Ref. No.—M.G.M. / /

Date.....

From—The Principal / Secretary,

NOTICE

All the students of Dept of Nutrition are hereby informed that our college is organizing Certificate Course on A UGC approved skill development certificate course on “**Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)**” from **20th March 2019, – 15th January, 2020** through offline mode. The course will be delivered by lecture; Vermicompost helps in improving soil texture, aeration and increases water retention capacity. Vermicompost acts as a soil conditioner and improves the biological, physical and chemical properties of the soil. Admission for the aforementioned course is started. The course will be conduct for UG 6th Sem. Course access fee for the student is decided as Rs.200/- Interested candidates are informed to enroll with Moumita Samanta Programmed **In-charge of “Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)”**


Principal, 10.03.2019

Dr. Swapan Kumar Misra

Mugberia Gangadhar Mahavidyalaya

Principal
Mugberia Gangadhar Mahavidyalaya



Dept. of Nutrition
Mugberia Gangadhar Mahavidyalaya

Certificate Course

On

“Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)”

Course period: 20th March 2019, –15th January, 2020

Course Director:

i. Dr. Dr.Bidhan Samanta, HOD, Dept of Chemistry

Course Coordinators:

1) **Ms. Moumita Samanta SACT**, Dept.ofNutrition Mugberia Gangadhar Mahavidyalaya.

Course Duration: 30 hrs

Delivery Mode:Offline

CERTIFICATE OF PARTICIPATION:

The participants will be provided Certificates on successful completion of the course.

It is mandating for all participants to attend all the classes.

REGISTRATION FEE: Rs.200.00 (Fifty rupees Only)

VENUE: Department of Nutrition (UG), Mugberia Gangadhar Mahavidyalaya.

Course specific outcome: Improves the physical structure of the soil. Vermicomposting increases the fertility and water-resistance of the soil. Helps in germination, plant growth, and crop yield. Nurtures soil with plant growth hormones such as auxins, gibberellic acid.

Curriculum approved by: Departmental Committee & academic sub-committee, Mugberia Gangadhar Mahavidyalaya.



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On

"Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)"

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Course Directors:

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Course Coordinators:

i) Ms. Moumita Samanta SACT, Dept. of Nutrition Mugberia Gangadhar Mahavidyalaya.

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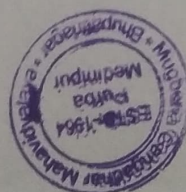
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Dept. of Nutrition
Mugberia Gangadhar Mahavidyalaya

“Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)”

Syllabus for Certificate Course (6 months)

On
‘Uses of Vermi Compost in Agriculture’
(Build Your Career Save your Country)

INTRODUCTION

Since the inception of agriculture to the mid of 1960s, the agriculture process used by the Indian farmers in this subcontinent has been recognized by the Government of India. The agricultural process is Organic agricultural process, now criticizes of mainstream agriculture regarding the increasing use of chemical fertilizers and pesticides.

During 1960s Green Revolution has been started in Indian agriculture with the objectives of intensive use of High Yielding Variety of seeds (HYVS), chemical fertilizers, pesticides and more water based farming technologies accelerated by the government, researchers and experts and gave bumper increase in agriculture production in the initial age. No doubt it elevated agricultural development dramatically and the outcome exhibited manifold increase in production and productivity. But the excessive use of chemical fertilizers, more water and pesticides, the cruel side of story has been evolved. It could be felt very clearly that the results of the green revolution can not be assured in the long run.

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Chemicals are accumulated gradually inside the soil and deteriorate its health. Agricultural scientist, planners and agriculture economist are worried about the slow growth rate of agricultural production in recent years. To meet the global challenges of feeding ever escalating human population, conserving the environment and reducing poverty, it is necessary to increase the yield of crops per unit area per unit time without hampering the ecological balance.

Excessive use of chemical fertilizers in agricultural land causes large number of environmental problems. When it is applied inadequate, rates of productivity and quality are cause significant losses. In this background, use of organic manure such as vermicompost may improve quality of agricultural products. Vermicomposting is the process of producing compost through the action earthworm. It is an eco-biotechnological process that transforms energy-rich and complex organic substances into stabilized humus-like product vermicompost. Preparation of vermicompost is an efficient as well as easily adoptable technique of compost preparation. This composting technique can not only decompose a huge amount of organic waste but also help to maintain higher nutrient status in composted materials.

Vermicomposting technology using earthworms as versatile natural bioreactors for effective recycling of organic wastes to the soil, is and environmentally acceptable means of converting waste into nutritious compost for crop production. Moreover, by processing of garbage, this technology converts the problem into a resource and provides good manure which can be enhanced quality of the soil.

In view of the above, an approach has been made in the proposed experimentally to entirely supplement the chemical fertilizer with the use of vermicompost for improving the productivity of crop.

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Period Marks

| | | |
|--|----|-----|
| 1. Vermiculture Agriculture | | |
| a) Project Planning | 25 | 50 |
| b) Farming System | | |
| c) Multipurpose system | | |
| d) Organic farming | | |
| 2. Raw materials for vermi compost characteristic | 25 | 30 |
| 3. Process of vermi compost preparation | 15 | 40 |
| 4. Particulars of Earthworm life-history etc. | 15 | 30 |
| * Field Practical for identification by field work | 20 | 100 |
| N. B. - 100 period including theory & Practical | | |

2nd Term Exam for 3 months

| | |
|--------|-----------|
| Theory | 150 Marks |
| Period | 100 |
| Marks | 100 |

Syllabus - The syllabus is subject to change from time to time and flexible (Vermiculture) according to requirement.

Period Marks

| | | |
|---|----|-----|
| 8. Vermi House and pit prepared | 25 | 50 |
| 9. Utilization of vermi compost | 25 | 50 |
| 10. Business process | 10 | 20 |
| 11. Awareness for students about vermi comp | 20 | 30 |
| 12. Save the soil save the life | | |
| 13. Green house system for better production | 20 | 100 |
| N. B. - 100 periods including theory and Practical. | | |

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Part A:- Agricultural Science

1) **Land**:- Return of the Native Save Mother and Rural environment for Social work, Career building etc.

2) **Agriculture** -

- 2.1) Project Planning, Soil management, classification of soil
- 2.2) Farming System, Planning etc.
- 2.3) Multipurpose Shem or Project Plantation, C. C
- 2.4) Organic farming, and fertilizer system. Seed Selection
- 2.5) Seed treatment by Vermi wash or by Organic medicine.
- 2.6) Plant Pathology.
- 2.7) **ANTOMOLOGY** - Insect of pest control.
- 2.8) Crop cutting & collection etc.

3) **Planning of Horticulture** :

- 3.1) Plot Selection, Farming
- 3.2) Individual gardening etc.

Part B:- Vermiculture :

- 1) Knowledge of Vermi Compost and Vermi Culture.
- 2) Importance of benefit of environment by vermi compost.
- 3) Benefit by Vermi Compost to local village-Economy.
- 4) Integrated management to the soil use by vermi compost.
- 5) Raw material for vermi compost production and Characteristic of Raw materials.
- 6) Process of vermi compost preparation.
- 7) Particulars of earth-worm or vermi life history.
- 8) Vermi House or vermi pit prepared.
- 9) Utilization of vermi compost.
- 10) Business process.



Certificate Course

On

“Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)”

Offered by

Department of (U.G)

Mugberia Gangadhar Mahavidyalaya

Date of Inauguration: 21th March 2019

Eligibility: UG student of Nutrition, UG all student of Mugberia Gangadhar Mahavidyalaya

Duration: 30 Hours **Registration Fee:** Rs. 200/-

Dr. Swapan Kumar Misra, Principal, Mugberia Gangadhar Mahavidyalaya.

Dr. Dr. Bidhan Samanta, HOD, Dept of Chemistry Course Coordinators

To enroll in this program, intended participants are requested to contact with Dr. **Dr. Bidhan Samanta, HOD, Dept of Chemistry** Mugberia Gangadhar Mahavidyalaya

Email: bidhansamanta@yahoo.in

Phone No: 8250095619

Dept. of Nutrition
Mugberia Gangadhar Mahavidyalaya

"Use Of Vermicomposting in Agriculture (Carrier Oriented Programmed)"

Course period: 20th March 2019, -15th January, 2020

Offered by the Dept. of Nutrition (UG) , Mugheria Gangadhar Mahavidyalaya

List of register Students

Total register students:35

| Sl No. | Name |
|--------|---------------------|
| 1. | Debasri jana |
| 2. | Kakali Jana |
| 3. | Susmita Kamila |
| 4. | Rikta Jana |
| 5. | Purabi Jana |
| 6. | Bandana Routh |
| 7. | Siuli Kar |
| 8. | Pratima Das |
| 9. | Pranati Bera |
| 10. | Arpita Bera |
| 11. | Mdhusri Pasl |
| 12. | Debjani Kumar |
| 13. | Soumita Mandal |
| 14. | Annupam Sonbigrabi |
| 15. | Moumita Samanta |
| 16. | Kedernath Maity |
| 17. | Sujata Majhi |
| 18. | Soma Pradhan |
| 19. | Tanmoy Giri |
| 20. | Tapati Sahoo |
| 21. | Rittika Gayan |
| 22. | Moumita Samanta |
| 23. | Sayan Das |
| 24. | Krishna Jana |
| 25. | Amit Malakar |
| 26. | Sourav Panda |
| 27. | Rumpa Bhattachariya |
| 28. | Sankari Bej |
| 29. | Priyanka Archarha |
| 30. | Sagarika Matai |
| 31. | Rima Giri |
| 32. | Sulakha Dhara |
| 33. | Keya Dash |
| 34. | Ruma Bag |
| 35. | Mitali Das |

**CERTIFICATE COURSE ON USES OF VERMICOMPOST
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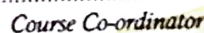
P.O- Bhupatinagar :: Dist- Purba Medinipur

Certified that ANUPAM SONBIGRAHI a student of
Sem. 6th Hons. / Pass B.A. / B.Sc. / B.Com. of MGM has attended the
course regularly and passed the examination held on 2020
with A grade.

Wish him success in life



Principal


Course Co-ordinator

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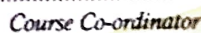
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Certified that ARPITA BERA a student of
Sem. 6th Hons. / Pass B.A. / B.Sc. / B.Com. of MGM has attended the
course regularly and passed the examination held on 2020
with A grade.

Wish him success in life



Principal


Course Co-ordinator

Dept. of Nutrition
Mugberia Gangadhar Mahavidyalaya




MUGBERIA GANGADHAR MAHAVIDYALAYA



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Certified that **DEBASRI JANA** a student of
Sem..... **6 th** Hons. / Pass B.A. / B.Sc. / B.Com. of MGM has attended the
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.....
Principal

Wish him success in life


.....
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Certified that **DEBJANI KUMAR** a student of
Sem. **6 th** Hons. / Pass B.A. / B.Sc. / B.Com. of MGM has attended the
course regularly and passed the examination held on **2020**
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Wish him success in life

Principal

Course Co-ordinator

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Certified that **KAKALI JANA** a student of
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Wish him success in life

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Certified that **KEDERNATH MAITY** a student of
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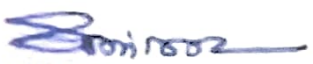
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Certified that **MADHUSRI PAL** a student of
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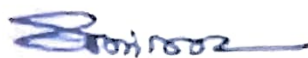
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Certified that **MOUMITA SAMANTA** a student of
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Certified that **PRATIMA DAS** a student of
Sem..... **6 th** Hons. / Pass B.A. / B.Sc. / B.Com. of MGM has attended the
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with **B+** grade .



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Principal

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Course Co-ordinator

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Course Co-ordinator

[Signature]

18.01.2020

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