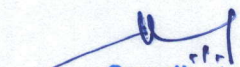


**CERTIFICATE COURSE IN VERMITECHNOLOGY**  
**UGC COMMUNITY COLLEGE**  
**PACHHUNGA UNIVERSITY COLLEGE**

**Name of the Course** : Certificate Course in Vermitechnology  
 • **Level** : Certificate  
 • **Stream** : Science or any stream  
 • **Subject** : Vermiculture/Vermicompost  
**Eligibility criteria** : Class 10  
**Duration** : 6 months  
**NVEQF/NSQF Level** : AGR/Q1203 – Level 4  
**Duration** : 6 months  
**Year of commencement** : 2019  
**List of Students Enrolled** : 31

Sl.No	Name	Father's/Mother's name	Sex	Category
1	Lalhriatkimi Rokhum	R. K. Sanghmingliana	Female	ST
2	Rowland Lalnunpuii	Lalmawizuala	Female	ST
3	R.L. Malsawmdawngkimi	R. L. Muanawma	Female	ST
4	Neihhlupuii Thomte	T. Thangmuana	Female	ST
5	Jenny Lalhriatzuali	H. Vanlalkulha	Female	ST
6	Ludi Lalhruaizeli	H. Lalhuaplina	Female	ST
7	Lalrinpuii Sailo	Lalzawmthanga	Female	ST
8	Lalrinpuii Huhnar	H. Biaksanga	Female	ST
9	Lalrinawma Hnamte	Lalsawmmawia Hnamte	Male	ST
10	J. H. Zorinpuii	Vanlalhruaia	Female	ST
11	Laltlanhlua Pachuau	Lalrodinga Pachuau	Male	ST
12	Malsawmdawngkimi	Zothanzuala	Female	ST
13	Lalnunhloi	C. Vanlalruata	Female	ST
14	R. Vanlalawmpuii	Tlangthankhuma	Female	ST
15	Jorgina Lalrinawmi	Lalbiakchungnunga	Female	ST
16	C. Lalhmingmawii	Martin Lalreldika	Female	ST
17	R. Vanlalhruaii	Johnson L. C. Ralte	Female	ST
18	V. L. Hruaizela	H. Lalthlengliana	Male	ST
19	Laithangliani	S. Laltinkhuma	Female	ST
20	C. Lalrinmawia	C. Lalrinnunga	Male	ST
21	L. S. Chanchinmawii	W. L. Thanghre	Female	ST
22	Daniel Vanlalbiakdika	R. Vanlalruatlina	Male	ST
23	Lovely Grace Chozah	C. Simon	Female	ST
24	Hunropuia	C. Lawmsangpuia	Male	ST
25	Christopher Rodingpuia	Sanghluna	Male	ST
26	Thangnunmawi	G. Thanzau	Female	ST

  
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27	Lalhlimpuii	Sangneihluanga	Female	ST
28	Vanlalthlamuani	R. Lalhmachhuana	Female	ST
29	James Lalngilneia	Jacob Lalramhluna	Male	ST
30	Lalhriatsangi	Lalremsiama	Female	ST
31	Lalrinsanga	Lalnunmawia	Male	ST

### Assessment:

Of the 31 students enrolled, 19 students were assessed. The curricula and system of certification is done as per the skill required in the trade and comply with national standards. Assessment was done on 20<sup>th</sup> December 2020 from Agriculture Skill Council of India (ASCI).

### Summary the Course:

A 6-month Certificate course in Vermitechnology was started at Pachhunga University College, in collaboration with Directorate of Agriculture, Govt. of Mizoram sponsored by UGC Community College in the year 2019. 23 students enrolled for the course. Assessment for the certificate course was done by Agriculture Skill Council of India on 20<sup>th</sup> December 2020.

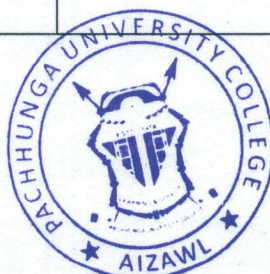
The course aims to explore the possibilities with sustainable agriculture practices and various concepts from how to turn all kinds of waste garbage to valuable compost to impart the knowledge of converting the weeds into food of earthworms and preparing vermicompost and more. These include several topics on the general characteristics and cultural requirements of worms, substrates, advantages and economics of Vermicomposting, and quality analysis of some vermicompost formulations. This course prepares students to meet the vast requirements of professionals having suitable qualification as well as exposure in the Vermicomposting. Students were trained in developing, executing and monitoring vermicomposting projects in the agricultural sector.


- Students will be able to compost in a limited space and describe the decomposing process.
- The interested students will get the knowledge of composting,
- Students will get the employment,
- They can generate employments.
- They will also turn towards organic farming,
- Will help to maintain the environment pollution free and
- Will get the knowledge of biodiversity of local earthworms.

### Detailed Structure of the Course:

Practical	Theory
Collection of wastes & their segregation & processing	

  
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	<ul style="list-style-type: none"> <li>• Knowledge of General Safety, health and hygiene Concept of Vermitechnology: What &amp; Why. Definition and justification- Vermitechnology, vermicomposting and rearing.</li> <li>• Importance of Vermicompost in Agri-horticultural practices.</li> <li>• Vermicomposting for Organic Farming - an Eco-Friendly Approach</li> <li>• Vermicomposting for Rural Development</li> </ul>
Bed preparation for Anaerobic & Aerobic composting	
Fortnightly mixing of beds	
Bed preparation for Vermicomposting. Four-chambered tank/pit system, etc.	
Earthworm collection & application on beds	
Inspection of beds & watering	
Vermicompost collection, Earthworms separation, Air drying of vermicompost, sieving & storing	<ul style="list-style-type: none"> <li>• Waste materials: Classification, disposal techniques &amp; their impact on environment</li> <li>• Earthworms: Type, identification &amp; usefulness</li> <li>• Anaerobic (Pit) &amp; Aerobic (Heap) composting: techniques &amp; their comparison</li> <li>• Vermiculturing: Techniques &amp; importance of Vermicomposting</li> </ul>
Vermi-wash collection & processing	Vermi-wash production techniques, standard composition of vermiwash
Repetition of Techniques for confidence building	Economics on Vermiculture and Vermicomposting
Visit to Vermicomposting Farm	Problems & prospects of Vermicomposting in India

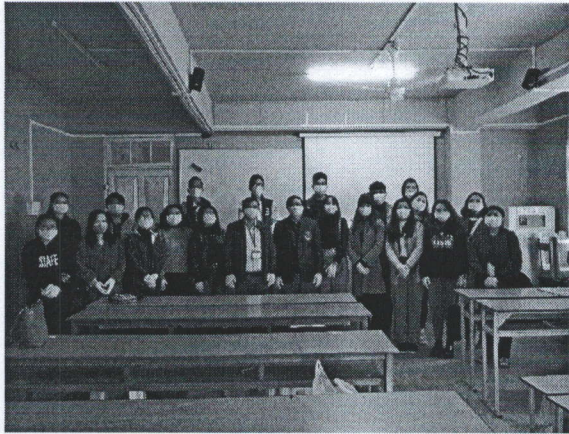
#### Course Outcome:

1. The course is structured at the basic level for the benefit of the students coming from different discipline having broad scope for employability.
2. In general soil earthworms, their characteristic features, occurrence, their influence on soil fertility and solid waste management are included.
3. Vermicomposting technology broadly followed at the global level and some Indigenous methods, role of microbes in increasing the soil fertility by the action of earthworms, their advantages and limitations dealt.
4. Role of microbes in worms and in decomposition is discussed.
5. Vermiculture products and their benefits in agriculture practice, economics of vermitechnology along with the practical difficulties are included.
6. Students will be trained on how to maintain a small vermicompost bin as a simple method for converting the Kitchen waste.


  
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(Prof. H.Lalthanzara)  
Coordinator

  
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**Skill India**  
कौशल भारत-कुशल भारत



**ASCI**  
Agriculture Skill Council of India



**N.S.D.C**  
National  
Skill Development  
Corporation

Transforming the skill landscape  
www.nsdcindia.org

# Certificate

This is to certify that

Ms. Lalrinpuii Haubnar D/O H. Biaksanga (Aadhar No: XXXXXXXXX6782)

student of Pachhunga University College affiliated to Mizoram University

has successfully passed Skill assessment for First semester of

Certificate in Vermitechnology, Session 2019-20

*S. S. Arya*

Dr. Satender Singh Arya

Chief Executive Officer

Agriculture Skill Council of India

E-Mail : info@asci-india.com, www.asci-india.com

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*[Signature]*  
Principal  
Pachhunga University College  
Aizawl : Mizoram

Registration No: ASCI/UGC/8304  
Date of Issuance: 11 Mar, 2021