

## NOTICE

It gives us immense pleasure to inform all students that the add-on course on '**Mushroom Farming**' will be started from 1<sup>st</sup> of November'23 by the Department of Botany, Pandu College. This is an inter-disciplinary course open to all students across all disciplines. Interested students may contact Dr. Dulumoni Saharia (Programme-Coordinator) and Dr. Maina Borah ( Asstt. Programme-Coordinator) Department of Botany, Pandu College.

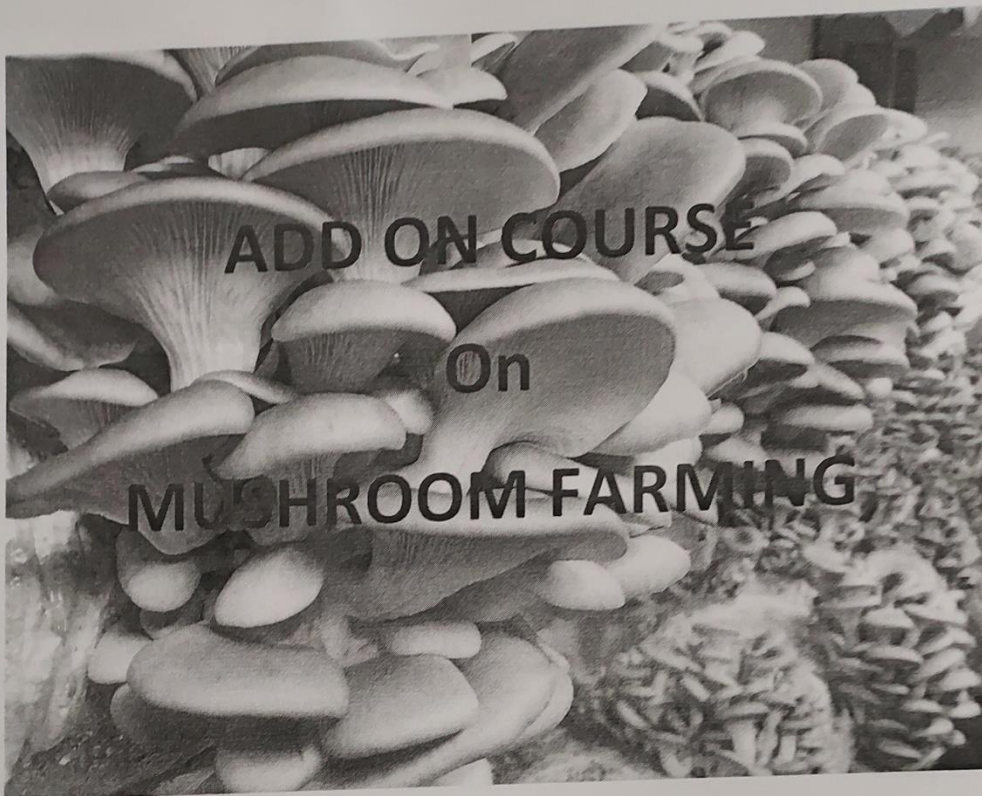
Contact number: 9613064623/ 8721819596

Course fees : INR 100/- only.

*allowed*  
*DR*  
*20-10-23*

*H. O. D.* 19/10/23  
HoD, Botany  
Pandu College, Ghy-12

**H. O. D.**  
**Dept. of Botany**  
**Pandu College**



Conducted by  
Department of Botany  
Pandu College



Duration: 30 hours  
Starting Date: 01.11.2023  
Course Fees: 100

**Objectives:**

- a. The project mainly focuses on motivation, training & information of the interested students.
- b. Technical knowledge of culture/spawn cultivation, harvesting, storage, processing, packaging and marketing to increase employment opportunities and income generation.

**Course Outcome:**

1. Awareness Generation and Motivation
2. Acquire expertise in Mushroom Cultivation
3. Cultivation procedure: Compost preparation · Preparation of mushroom house / Rooms-  
Cylinder Preparing Room /Incubation room/ Cropping Room · Spawn Culture and harvesting.
4. Semi-processing and Packaging
5. Marketing
6. Documentation and Publication

**Syllabus**

Unit	Topic	Credit
<b>Unit I</b>		<b>5</b>
(i)	Importance of Mushroom cultivation	
(ii)	Types of edible Mushroom growing in India	
(iii)	Nutritional value	
(iv)	Climatic condition required for Mushroom cultivation	
<b>Unit 2</b>		<b>9</b>
(i)	Cultivation practice of specific mushrooms, preparation of substratum, identifying problems and caring till harvest.	
(ii)	Housing requirement: growing room, maintenance of optimum environmental condition, construction of proper housing.	
(iii)	Planting material- spawn culturing technique, media preparation, sterilization, equipments used.	
(iv)	Harvesting, storing and preservation.	
(v)	Marketing- definition, planning, strategy, product quality, shelf-life.	

## Practical

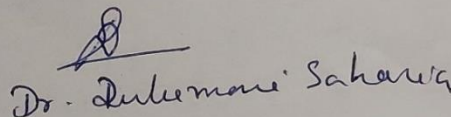
Sl No.		Credit
		16
1	Composition of compost and bed preparation.	
2	Preparation of different types of compost.	
3	Pasteurization of compost and sterilization processes.	
4	Seeding Technique of spawn in compost.	
5	Harvesting stage and methodology.	
6	Processing and packaging	
6	Marketing	

## Reference Books

1. "Mushrooms : Cultivation, Marketing and Consumption" edited by Manjit Singh, Bhuvnesh Vijay, Shwet Kamal, G.C. Walchaure, published by directorate of Mushroom Research.
2. "Mushroom Cultivation" by D.P. Tripathi.
3. "Bigyanbhitik Kathphula Khetir Hatputhi" by Monuj Gogoi, Dilip Kumar Sarmah, Priyanki Bora.



Head,  
Department of Botany



Dr. Dulamani Saharia

Coordinator



Date: 11.11.23

Semester: 1st & 3rd Sem.

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Dr. Dulemoni Saharia

Date: 12.11.23

Semester: 1<sup>st</sup> Sem.

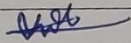

Sl. No.	Name	Signature
1	darshana Priya Das (377)	darshana
2	JC Shanti Jiban Chakma (376)	Jibana
3	Sumit Boro (378)	Sumit
4	Kapil Kishore Kalita (380)	Kapil Kishore kalita.
5	Bishal Deka (388)	Bishal deka
6	Bhanima Das (517)	Bhanima das
7	Sunita Mallick (529)	Sunita mallick
8	Sanjana Deka (503)	sanjana Deka
9	Nasreen (381)	Nasreen
10	Pandita Barman (385)	B. Barman.
11	Jitumoni Thakuria (383)	Jitumoni Thakuria
12	Bijit Thakuria (386)	Bijit Thakuria
13	Kuldeep Deybongshi (393)	Kuldeep
14	Samikshya Baral (382)	Samikshya Baral
15	Mamata Limbu (392)	Mamata Limbu
16	Abhipsha Choudhury (372)	Abhipsha Choudhury
17	Snetha Kalita (370)	Snetha Kalita
18	Nishu Boro (390)	Nisha Boro
19	Komal Krishna Naha (534)	Komal Krishna Naha
20	Somajit Choudhury (374)	Somajit Choudhury
21	ANKAN DEBNATH (3rd Sem - 528)	Ankan Debnath.
22	Koushik Roy (389)	Koushik Roy
23	Sadique Rahman (391)	Sadique Rahman
24	Sumit Khakhlasi (498)	Sumit Khakhlasi.
25	Dikshita Samma (387)	Dikshita
26	Padmini Kalita (393)	Padmini



Semester: B.Sc. 1st & 3rd Sem.

Teacher → Mantr Mahant - Chas  
16/11/23

Semester: 1<sup>st</sup> Semester.

Sl. No.	Name	Signature
1.	Kuldeep Rajbongshi	
2.	Bishal Deka	Bishal
3.	Padmini Kalita	Padmini
4.	Jitumoni Thakuria	Jitumoni
5.	JC Shanti Jiban Chakma	Jibam
6.	Bijit Thakuria.	Bijit Thakuria.
7.	Kapil Kishor Kalita	Kapil.
8.	Sumit Boro	Sumit Boro
9.	Bandita Barman	Bandita
10.	Samikshya Baral	Samikshya Baral
11.	Mamata Limbu	Mamata Limbu
12.	Sneha Kalita	Sneha Kalita.
13.	Romol Krishna Nath	Romol Krishna Nath
14.	Nasreen	Nasreen
15.	Sanjana Deka	Sanjana Deka
16.	Sumita Mallick	S.M
17.	Sumit Khakhararip	Sumit Khakhararip
18.	Samrajit Chandra	Samrajit Chandra
	Teachers.	
1	Jitumoni Barman	
2	Dr Puspita Hore	For 20/11/23.
3		
	Invited technical expert -	
	1. ৬/০২ অলিভা	



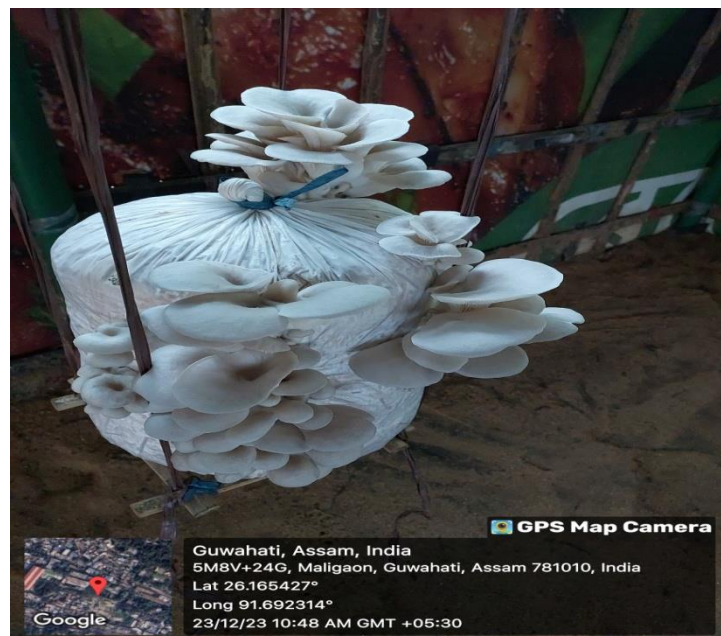
Semester: 1 Sem

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## Report:

Mushroom Farming is a skill based Add-on course started on 1<sup>st</sup> Nov'23 by the department of Botany. About 26 students from different semester were actively participated and learned about the different steps of mushroom cultivation.

**Outcome:** After the completion of the course, students came to know about the edible mushroom and methods of Mushroom production. They also learned about the packaging and selling of mushroom and ultimately it will help them to become self employment in near future.







# DEPARTMENT OF BOTANY

## Pandu College, Pandu



### Certificate of Participation

This is to certify that Mr./Miss ..... Padmini Kalita ..... of  
B.Sc./B.A. 1<sup>st</sup> Semester of Pandu College, has successfully completed Add-on Course of  
“Mushroom Farming”

Organised by Department of Botany, Pandu College  
under the aegis of Internal Quality Assurance Cell, Pandu College  
from 1st November, 2023 to 31st March, 2024.

Dr. Dulmoni Saharia  
Co-ordinator

Mr. Mantu Mahanta  
Head, Department of Botany

Principal  
Pandu College