### 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.

Mowed ORed 20-10-23

HoD, Botany
Pandu College, Ghy-12

H. O. D.

Dect. 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
Unit I (i) (ii) (iii) (iii) (iv)	Importance of Mushroom cultivation Types of edible Mushroom growing in India Nutritional value Climatic condition required for Mushroom cultivation	5
Unit 2 (i)	Cultivation practice of specific mushrooms, preparation of substratum, identifying problems and caring till harvest.	9
(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

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

# 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.

Department of Botany

Coordinator

Date: 11-11-23

Semester: 1st & 3rd sem.

	Name	Signature
Sl. No.		
1	3neha Kalita (168) (370)	Snehe Kalila
2.	Marshana Priya das (377) Nasreen (381)	Darstene Prizadas
3.		Nasreen
4.	Nisha Bono (390)	Nisha Boro kabita Thakurea
5.	Kabita Thakuttla (2,74)	kabita Thakurea
6.	Padmini Kalita (395)	Padmini
7.	Bandita Barman (385)	Bandita Bateman
8.	Dikshita Sanma 387- Kapil Kishor Kalita (380)	Dikshitor.
9	Kapil Kishon Kalita (380)	Kapil Kishon Kalita
10	Samorgit Chambrah (374)	Samorjit Chamvoh
11	Sumit Bono (378)	SimitBono
12	Te Sharli Jiban Chakma (376)	Guban
13	Bijit Thakwia (386)	Bijit Thakwia.
14	Kudeleep Rajbongshi (373)	The state of the s
15	Jetumoni Thakuria (383)	Titumoni Thakuria
16	Bhanima sas (547)	Bhanima alas
17	Sanjana Deks (503)	Sanjara deka
18	Sunita Mallick (\$529)	sunita Mallill
19	Korrol Krishno Neth (534)	Kond Kristmo Noth
20	Sumit Khakhlary (498)	Sunit Khakhlany

Dr. Dulumoni Saharia

Date: 12.11.23

Semester: 1st Sem.

	Name	Signature
Sl. No.		
1	darshana Priya das (377)	darshara
2.	darshana Priya das (377) IC Shanti Tiban Chakma (376)	Duban.
3.	Sumit Born (378)	Jamebran
4.	Kapil Kishon Kalita (380)	Kapil Kishon Kalita.
5.	Bishal Deka (388)	Bishal deka
6.	Charima Das (517)	Bhanima des
7.	Sunita Mallick (529)	Semite mallick
8	Sanjana Deka (503)	ganjano Deka
9.	Nasreen (381)	Namen
10	Bandita Barman (385)	B. Barmon.
11.	Jetumon: Thakuria (383)	Jetumone Thakuria
12	Bijit Thokwia (386)	Bijit Thakuria
	Kulder Dajbongshi (373)	
14.	Samikshya Borral (382)	Samikshya Baral Mamata Limbu
15.	Mamata (15mby (392)	Mamata Limby
16.	Aphipsha Choudhory (372)	Abhipsha Choudhury
17 .	Snemha kairta (376)	Snenha Kalita
18 .	Nishna Boso (390)	Nisha Boro
19.	Komal Krishma Noth (534)	Romal Krishma Noth
20.	Somarjet Chomson (374)	somogiet chomish
21.	ANKAN DEGNATH (3red Sem-528)	Ankan sebrath. Koushik Roy
23	KOUSHIK ROY (389) Sadiger Jahman (391)	Kadiger Colman
24		
25	Sumit Khakhlary (498)	Sumit Khakhlasy.
26	Dikshita Samma (327)	Dikshita
20	Padmini Kalita (393)	Padmini

Date: 16/11/2023

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

	Name	Signature
Sl. No.	DOCCURE POLY DEC (377)	Darshena
1.	DARSHANA PRIYA DAS (377)	Norseen.
2.	NASREN (381)	Kond Krishna Noth
3.	KAMAL KRISHNA NATH (534)	
4.	ANKAN DEBNATH (528 - 3rd Sem)	Ankar Debrack.
5.	Nisha Boro (390)	
6	ABMIPSHA CHOUDHURY (372)	Sneha Kalita
7	SNEHA KALITA (370)	Bijit Thakwia.
7. 8	BIJIT THAKURIA (386)	Kabe ta Thakunia
	KABITA THAKURIA (394)	
10	PADMINI KALITA (393)  KAPIL KISHOR KALITA (380)	Padmini Kalita Kapil Kushon Kalita.
12	Sumit Borro (378)	funtBarro
13	Ic Sharti Tiban Chakma (376)	10 Sharti jibanchekman Sadiqua Laman
14	Badigur Rahman (391)	
	Bandita Barman (385)	Bandita Barmana Birkal Teka
16.	Rishal Deka (388)	
17.	Dihshita Somma (387) KULDEEP RAJBONGSHI (373)	Dikshita
19.	SAMARTIT CHAMUAH (374)	Somarjit Chamber
20.	Jitumoni Thakunia. (383)	JAumoni Thakuria

Teacher > Manter Mahanh - Charles

Date: 20/11/23
Semester: 1<sup>st</sup> Semester

	Name	Signature
Sl. No.		
1.	Kuldeep Rajbongshi	1 List
2.	Birhal Deka	Bishal.
3.	Padmini Kalita	Paolmini
4.	Tetumon: Thokuria	Titum oni Oribant
B	Ic Sharli Jiban Chakma	Dubanfr
8	Jetumoni Thakluria Je Sharli Tiban Chakma Bijit Thakwia.	Bijit Thekwia.
7	Kapil Kishor Kalita	rapit.
8	Sumit Bono	Limit Boro
9	Bandita Barman	Bandita
10-	Sanikshya Baral	Samikshya Baral
11.	Mama Maria Limby	Samikshya Baral Manata Limbu
12.	Sneta Kalita	Sneha Kalita
13.	Komol Krishno Abth	Romal Krishma Neth
14.	Nasgeen	Narreen
· K.	Sanjara Deka	Sanjana Deka
16.	Sunita Mallick	S.m
17	Sumit Khakkalarer	Sumit Khan Palang
18	Samoyit Chambah	Samarjit Chamiras
	Teachers.	
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2	Culuman & ahare	No.
3	Dr Prispita Horse	For 20/11/23.
	Invited tellmical export -	
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Date: 22, 2, 2, 9

Semester: 1 Sem

	Name	Signature
Sl. No.		9
	Bishal Deka	
	Bitit thakwiia kuldeep Rozbongshi	•
	kuldeep Rogbongshi	
	Titumoni thokwia	
	T.C. Shanti Tiban chakma	
	Kaushik Roy	
	Samarjit chamuah	
	Sumit Boro kamal krishna Nath	
	kamal krishna Nath	
	Samileshya Baral	
	Mamata Limbu	
	Cneha kalita	
	Darshana Rriya Das	
	Padmini Kalita Dikshita Sarema Bandita Bareman	
	Deksheta Sarema	
	Bandita Barman	

## **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





This is to certify that Mr./Miss Podmini Kalita of B.Sc./BA...! Semester of Pandu College, has successfully completed Add-on Course of "Mushroom Farming"

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

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Dr. Dulumoni Saharia Co-ordinator

Mr Mantii Mahanta

Mr. Mantu Mahanta Head, Department of Botany

Principal Pandu College