

Panskura Banamali College

(Autonomous)

Panskura R.S., Purba Medinipur

West Bengal -721152

Value-added Course

On

Mushroom Farming

(BITHVAC002)

(w.e.f. 2022-23)



Offered by: Department of Biotechnology

COURSE INFORMATION IN BRIEF

Course Name: Mushroom Farming

Course type: Value-added Course

Medium: English

Mode: Blended (For Theory – online; For Practical – Offline)

Intake Capacity: Minimum 20; Maximum 40

Eligibility: Biotechnology Students from across College

Duration: 30 Hrs. (To complete within a time span of two months)

Course Fees: Rs.300.00 (Rupees Three hundred only)

Coordinator: Dr. Somnath De

Contact: +918001440200; biotechpbc@rediffmail.com; pbcsonmath@gmail.com

Course Learning Objectives:

1. To make the learners self-reliant to identify several kinds of mushrooms.
2. To provide detailed hands-on training on mushroom cultivation, packaging, and marketing.
3. To develop a business plan for mushroom cultivation.
4. To help the learners to practice a means of self-employment and income generation.

Course Learning Outcomes:

1. Understanding mushrooms, types (edible & poisonous) and mushroom production
2. Learning cultivation of different edible mushrooms
3. Acquaintance with climatic requirements of mushroom cultivation
4. Building knowledge on diseases and pests of mushroom and their management
5. Knowing harvesting and post harvesting processes of mushroom
6. Learning value added products preparation from mushroom
7. Having the prospects of commercial mushroom production

Title of the Course: Mushroom Farming

Syllabus

Period- 30 hrs.

Module 1

Introduction of Mushroom

Importance of Mushroom

History of Mushroom

Module 2

Morphology of Mushroom

Mushroom Types (Edible and Poisonous)

Module 3

Paddy straw Mushroom Cultivation

Oyster Mushroom Cultivation

Module 4

Diseases and Pests of Mushroom

Harvesting of Mushrooms

Post-harvesting Processing

Module 5

Profit calculation of Paddy straw mushroom

Profit calculation of Oyster mushroom

References

1. Mushroom Cultivation in India- B.C.Suman and V.P.Sharma
2. Mushroom Growing for Everyone- G. Roy
3. Mushroom Production and Processing- V.N.Pathak, N.Yadav and M.Gaur