

DINABANDHU MAHAVIDYALAYA

E-mail ID: info@dinabandhumahavidyalaya.org
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NAAC ACCREDITED-2016(2nd cycle)
Affiliated to West Bengal State University & Formerly under University of Calcutta
Registered under 2(f) & 12(B) of U.G.C. Act 1956
ESTD: 1947

**Add-On Course
On
MUSHROOM CULTIVATION
By
Department of Botany
Dinabandhu Mahavidyalaya, Bongaon
Session: 2021-22**

➤ **Course Objectives**

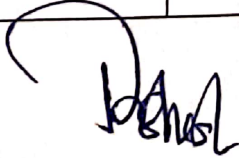
1. Primary aim of the course is to manufacture and propagate edible mushroom species with superior quality for human consumption without any fear of food poisoning.
2. To understand techniques in fungal specially mushroom culture.
3. To provide an insight on improvement of the economic condition of the family without any large scale investment and with home based approach only.
4. To enable students of any discipline towards economic empowerment.

➤ **Course Outcomes**

1. Working Process: The student may establish a small scale industry or a domestic business as well as generate employment for others.
2. Professional Knowledge: the students will learn about the basic facts, process and the principle applied.

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building plot, design of farm, bulk chamber, composting platform, equipment & facilities, pasteurization room & growing rooms.		
4. Compost & Composting: Principles of composting, machinery required for compost making, materials for compost preparation. Methods of Composting- Long method of composting (LMC) & Short method of composting (SMC).	3	6
5. Spawn & Spawning: Facilities required for spawn preparation, Preparation of spawn substrate, preparation of pure culture, media used in raising pure culture, culture maintenance, storage of spawn.	3	6
6. Casting materials & Case running: Importance of casing mixture, Quality parameters of casing soil, different types of casing mixtures, commonly used materials.	1	2
7. Practical: Cultivation of Button, Oyster and Straw Mushrooms: Collection of raw materials, compost & composting, spawn & spawning, casing & case run, cropping & crop	7	14

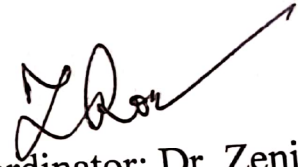

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management, picking & packing. Visit to relevant Labs/Field Visits		
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Principal: Dr. Biswajit Ghosh
Roy

Principal / Secretary
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IQAC coordinator: Dr. Zenith
Co-ordinator, IQAC
Dinabandhu Mahavidyalaya

Those who are interested may contact to the course coordinator for enrollment of their name.

Course Co-ordinator: Dr. Arup Ratan Das