

# EGRA SARADA SHASHI BHUSAN COLLEGE



ESTD. : 1968

(Reaccredited by NAAC with – 'B' Grade with a CGPA of 2.32)

Post – Egra : Dist – PurbaMedinipur (West Bengal) : Pin – 721429.

Principal/Secretary : Dr. Dipak Kumar Tamili.

Website - [www.egrassbcollege.ac.in](http://www.egrassbcollege.ac.in) : E-mail – [info@egrassbcollege.ac.in](mailto:info@egrassbcollege.ac.in)

☎ – 03220-244073 / 245557 : Fax – 03220245867.


Memo No- 27/02/2021

Date : 08.07.2021

## Notice

This is to notify that an inaugural programme on the certificate course of Mushroom Cultivation of Egra S.S.B.College will be held on 17.07.2021 at 12 noon at our college.

Executive body of Self Reliant Marketing Pvt. Ltd., IQAC Co-ordinator, Teaching staffs of Nutrition, Botany deptt. and admitted students of Mushroom Cultivation are requested to present in the inaugural ceremony.

  
Principal  
Egra S.S.B.College  
Principal  
EGRA S.S.B. COLLEGE  
Egra, Purba Medinipur

Copy to :

1. Prof. Mamtaj Khatun (Co-ordinator, Mushroom Cultivation)
2. Director Self Reliant Marketing Pvt. Ltd.
3. Co-ordinator IQAC
4. HOD of Botany and Nutrition
5. Secretary T.C.
6. Website

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An ISO Certified College for ISO 9001 : 2015 & ISO 14001 : 2015

Post – Egra : Dist – Purba Medinipur (West Bengal) : Pin – 721429.

President : Mr. Tarun Kumar Maity, M.L.A., W.B.

Principal : Dr. Dipak Kumar Tamili.

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Memo No.- 27/02/2021

Date:08.07.2021

Name of the certificate course: **Training for Mushroom Cultivation**

No. of the course: One

Duration of the course: Three

Date of inauguration: 17.07.2021

Date of completion: 10.10.2021

Syllabus of the Course:

## EGRA SARADA SASHI BHUSAN COLLEGE

### CERTIFICATE COUESE –“TRAINING FOR MUSHROOM CULTIVATION”

SESSION: 2021-2022

**SYLLABUS  
HOURS**

**DURATION: 30**

Course	Course Name	Teaching Scheme in hours per week	
Certificate Course	<b>Mushroom Culture</b>	L	P
	<b>Unit:1</b> Introduction, history. Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms. Types of edible mushrooms available in India - Volvariella volvacea, Pleurotus citrinopileatus, Agaricus bisporus.	4	

	<p><b>Unit:2</b>  Definition and characteristics of mushroom.  Morphology and life cycle of Mushroom.  Identification and classification of mushroom.  Nutritional and medicinal value of edible mushrooms, poisonous mushrooms.</p>	6	
	<p><b>Unit:3</b>  Cultivation  technology: Infrastructure:  substrates (locally available)  Polythene bag, vessels,  Inoculation hook, inoculation  loop, low cost stove, sieves,  culture rack, mushroom unit  (Thatched house) water  sprayer, tray, small polythene  bag. Pure culture: Medium,  sterilization, preparation of  spawn, multiplication.  Mushroom bed preparation -  paddy straw, sugarcane trash,  maize straw, banana leaves.  Factors affecting the mushroom  bed preparation - Low cost  technology,  Composting technology in  mushroom production.</p>		6
	<p><b>Unit:4</b>  Storage and nutrition: Short-  term storage (Refrigeration  upto 24 hours) Long term  Storage (canning, pickels,  papads), drying, storage in  saltsolutions. Nutrition -  Proteins - amino acids, mineral  elements nutrition -  Carbohydrates, Crude fibre  content - Vitamins.</p>	4	
	<p><b>Unit:5</b>  Food Preparation:Types of  foods prepared from  mushroom.</p>	4	
	<p><b>Unit:6</b> Cost benefit ratio -  Marketing in India and abroad,  Export Value.</p>	4	
	<p><b>Unit:7</b> Visit to Mushroom  Culture Centres/ Farms for:   Process involved in mushroom  cultivation Types and varieties  of mushroom. Identification of</p>		6

	edible and poisonous mushroom Marketing.		
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**Class Routine:**

**EGRA SSB COLLEGE  
DEPARTMENT OF BOTANY  
ROUTINE FOR CERTIFICATE COURSE- "TRAINING ON MUSHROOM  
CULTIVATION"  
SESSION-2021-2022**

DAY	10.15-11.15	11.15-12.15	12.15-1.15	1.15-2.15	2.15-3.15	3.15-4.15	4.15-5.15
MON							
TUE							Theory(EC)
WED							
THURS						Theory(SS)	
FRI							
SAT					Practical (BD)		

Countersigned by Principal, Egra SSB College

Principal  
EGRA S. S. B. COLLEGE  
P. O : Egra, Purba Medinipur  
West Bengal

Signature of Course Co-ordinator



EE → Esha Chakroborty  
SS → Somnath Sau  
BD → Biplob Dhoa.

**Course Outcomes:**

By successfully completing the course, students will be able to:

- Identify edible types of mushroom
- Gain the knowledge of cultivation of different types of edible mushroom and spawn production.
- Manage the diseases and pests of mushrooms
- Learn a means of self-employment and income generation.

**No. of students registered:** Fifteen

**Student List:**

**Name of the course-coordinator:** Mamtaj Khatun, Assistant Professor, Department of Botany, Egra S.S.B. College.

**Contact No. of course Co-ordinator:** 9064900946



Pic: 2 *Pleurotus* sp. Mushroom production by Our Students