

HOLY CROSS COLLEGE, AGARTALA

Department of Botany

Report on

Add-On Course on “Mushroom Biology and Farming” (Second Batch)

Course Duration: Three months (June, 2024 to September, 2024)

Department of Botany, Holy Cross College, Agartala, successfully concluded its second batch of the Add-on Course in Mushroom Cultivation. This three-month course from June, 2024 to September, 2024, was conducted under the supervision of Rahul Debnath, a Senior Research Scholar from the Botany Department of Tripura University, following an established MoU between the two institutions. Seven students enrolled in the second batch of this course. The course aimed to provide practical knowledge and hands-on experience in mushroom cultivation to seven enrolled students.

Course Structure: The course was meticulously designed to cover every aspect of mushroom cultivation, from spawn culture to the final production stages. It offered a balanced mix of theoretical learning and practical exposure, including laboratory work, field visits, and technical skill development. The syllabus was spread over three months, giving students ample time to master the techniques necessary for successful mushroom farming.

Day 1: Inaugural Lecture and Laboratory Tour The inaugural day began with a short introduction by Rahul Debnath. Seven students were enrolled to the course. All of them were present on the first Day. Some more students also attended the inaugural day accompanied by Dr. Sudipta Sinha, Assistant Professor of Department of Botany, Holy Cross College, Agartala. The course commenced with an extensive lecture which provided a comprehensive overview of mushroom cultivation. The lecture covered key topics, such as:

- The life cycle and biology of fungi.
- Types of edible and medicinal mushrooms.
- The economic potential of mushroom farming.
- Techniques for spawn production and mushroom culture.

The students were actively engaged in discussions, asking questions and clarifying doubts. Following the lecture, the students were given a guided tour of the college's laboratory and culture room. During the tour, they were introduced to the scientific equipment necessary for mushroom cultivation, including:

- Laminar airflow chambers.
- Autoclaves for sterilization.
- Incubators for growing cultures.
- Microscopes for observing fungal structures.

The demonstration helped the students understand the crucial role of maintaining sterile conditions and precise temperature control for successful mushroom cultivation.

Weeks 1–4: Practical Sessions on Spawn and Mushroom Culture In the following classes, the focus shifted to the practical application of the theoretical knowledge gained during the first day. Over the course of several weeks, students were trained in the critical stages of spawn culture, including:

- Tissue culture techniques to isolate mycelium.
- Preparation of culture media and sterilization procedures.
- Transferring mycelium to sterile grain substrates.

Students were given hands-on experience in creating and maintaining spawn cultures, with the research scholar from Tripura University closely observing their progress. Each student practiced inoculation techniques and worked on maintaining sterile conditions in the laboratory, which are essential to preventing contamination.

Weeks 5–8: Mushroom Culture and Field Visit As the course progressed, students transitioned from spawn preparation to mushroom culture techniques. They were introduced to different substrates used for mushroom cultivation, with a particular emphasis on paddy straw, which is locally available and commonly used in mushroom farming.

During this phase, students also visited a mushroom cultivation site to observe mushroom growth in natural conditions. This field visit provided valuable real-world insights into large-scale mushroom farming, helping the students understand how laboratory practices translate to outdoor settings. They observed how environmental factors such as humidity, temperature, and substrate management influence the growth of mushrooms.

Weeks 9–12: Substrate Preparation, Inoculation, and Final Test In the final phase of the course, students focused on preparing paddy straw as a substrate for mushroom inoculation. This included:

- Cutting, soaking, and sterilizing the paddy straw.
- Inoculating the straw with spawn using the techniques they had learned in the laboratory.
- Setting up the substrates in a controlled environment for mushroom fruiting.

The students applied the skills they had acquired over the past months, closely monitoring their projects to ensure successful mushroom growth. The research scholar provided guidance throughout the process, ensuring the students adhered to best practices in substrate preparation and inoculation.

The course concluded with a small test to evaluate the students' understanding and practical application of mushroom cultivation techniques. The assessment covered both theoretical aspects, such as fungal biology and economic applications, as well as practical skills, such as spawn preparation and substrate inoculation.



Pictures: Students' participation during the Add-on course



Picture: Students activity during the Add-on course



Pictures: Different Mushroom species collected from the field visit during the add-on course

Conclusion: The three-month Add-On course on Mushroom Cultivation, held by the Botany Department of Holy Cross College, proved to be a successful educational experience. With the guidance of a research scholar from Tripura University, the students received comprehensive training in both the theory and practice of mushroom farming. The course not only imparted valuable technical skills but also demonstrated the potential for mushroom cultivation as a viable economic venture. The success of the second batch reflects the growing interest and potential of mushroom cultivation in the region.

Report Prepared by-

Srinha
25/9/2024
Dr. Sudipta Sinha
Assistant Professor
Department of Botany
Holy Cross College, Agartala

Dr. Debasree Lodh
25/9/2024
Dr. Debasree Lodh
Head, Department of Botany
Holy Cross College, Agartala

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA

ADD ON COURSE ON
MUSHROOM BIOLOGY AND FARMING

Offered by

Department of Botany, Holy Cross College, Agartala

In Collaboration with

Department of Botany, Tripura University (A Central University)

Admission Forms are Available
in the Department of Botany,
Holy Cross College, Agartala

Seats are offered on a first-come, first-served basis.

Registration: Opens On:

15.05.2024 & Closes On: 20.05.2024

**This course aims to provide
Knowledge about**

- ◆ Types of Different Mushrooms
- ◆ Mushroom Farm Set-Up
- ◆ Commercial Mushroom Cultivation
- ◆ Farming Oyster Mushrooms
- ◆ Edible and Poisonous Mushrooms
- ◆ Mushroom Marketing
- ◆ Health Benefits of Mushrooms

Course Fee: Rs. 1000/-

For Registration Contact Details:

9774448204 ; 8794334932 ; 9436732514

To
The Program Coordinator
Mushroom Biology and Farming
Mycology & Plant Pathology Laboratory
Tripura University
Suryamaninagar

Through the Proper Channel

Subject: Request for permission to start second batch of Add-On Course on 'Mushroom Biology and Farming'.

Respected Sir,

On behalf of Department of Botany, Holy Cross College, Agartala, I have the honour to inform you that, we wish to initiate the second batch of the Add-On Course on 'Mushroom Biology and Farming', for the students of Holy Cross College, Agartala in collaboration with your department. We believe that the expansion of this course will not only cater to the growing interest among students, but also contribute significantly to the academic and practical aspects of our department.

The first batch of the Add-On Course on 'Mushroom Biology and Farming' has received an overwhelming response from students, demonstrating a keen interest in exploring the fascinating field of mycology. The positive feedback and enthusiasm from both students and faculty have encouraged us to consider offering a second batch to accommodate the increasing demand. We believe, the expansion will not only enhance the academic offerings of our department but also contribute to the overall growth and development of our students.

Therefore, I kindly request your approval and support for the initiation of the second batch of the Add-On Course on 'Mushroom Biology and Farming'.

Thanking you,

With regards,

Date: 20.12.2023

Yours faithfully,

Dr. Debasree Lodh
20/12/2023

Dr. Debasree Lodh
Head, Department of Botany
Holy Cross College
Agartala, Tripura

Approved
Bijoy
25/12/2023
PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA

To
The Principal
Holy Cross College Agartala

Through, The Head, Department of Botany, Tripura University.

Dear

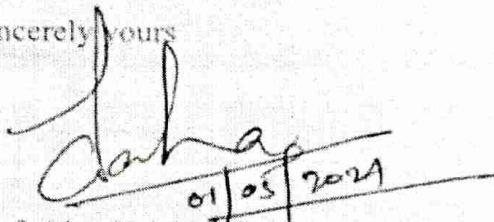
Sir,

As per your Letter dated 20/12/2023, I on behalf of the Department of Botany as Programme Co-coordinator, informing the endorsement of running the Add-on Course on "Mushroom Biology and farming". The students of 1st batch showed keen interest and outcome was satisfactory.

As such, we are also eager to start the programme for next batch.

Thanking you,

Sincerely yours



Prof. Ajay Krishna Saha
Department of Botany
Suryamaninagar-799022

Forwarded

Basm
3.05.2024

अध्यक्ष/HEAD
जनसक्ति शास्त्र विभाग
DEPARTMENT OF BOTANY
त्रिपुरा विश्वविद्यालय
TRIPURA UNIVERSITY

To
The Principal
Holy Cross College
Agartala

**Subject: Request for Permission to Commence the Second Batch of Add-On Course
"Mushroom Biology and Farming" in the Department of Botany, Holy Cross
College, Agartala in collaboration of Department of Botany, Tripura University.**

Respected Father,

With due respect, I am writing to seek your esteemed permission for the commencement of the second batch of the "Mushroom Biology and Farming" add-on course at our esteemed institution in collaboration of Tripura University, following the successful completion of the 1st batch.

As per our previous correspondence dated 20th December 2023, sent to the Programme Co-ordinator of the Add-on Course "Mushroom Biology and Farming", I am pleased to inform you that the Programme Co-ordinator has sent an application on 01.05.2024 (forwarded by the HOD, Dept. of Botany, TU on 03.05.2024) expressing a keen interest in initiating the next batch of the course.

The first batch of the Add-on Course "Mushroom Biology and Farming" has yielded promising outcomes. Considering the positive reception of the first batch and the expressed interest from both students and faculty, I believe that commencing the second batch of the "Mushroom Biology and Farming" course would be a valuable addition to our academic offerings. This course not only supplements theoretical knowledge but also provides students with hands-on experience and practical skills that are essential for their holistic development.

Therefore, I humbly request your permission to proceed with the initiation of the second batch of the Add-on course "Mushroom Biology and Farming" from the month of May, 2024. Your support in this matter would not only contribute to the enrichment of our academic programs but also reaffirm our commitment to providing comprehensive and practical learning experiences to our students.

Thank you for your attention to this matter. I eagerly await your favourable response.

With regards,

Date: 06.05.2024

Yours sincerely,

Dr. Debasree Lodh
06/05/2024

Dr. Debasree Lodh
HOD, Department of Botany
Holy Cross College, Agartala

Approved
B. M. L.
06.05.2024

PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA

Holy Cross College, Agartala

DEPARTMENT OF BOTANY

Add-On Course in Mushroom Cultivation

List of Students(Second Batch)

Sl. No.	Name of the Student	HCC Admission No.	Department	Semester
1	Pratik Chakraborty	4120	Zoology	4th
2	Rosemita Reang	3729	Botany	4th
3	Srayesha Reang	3727	Botany	4th
4	Selina Singh	4134	Botany	4th
5	Himani Chakma	4156	Botany	4th
6	Dinesh Chakma	4135	Botany	4th
7	Ankita Chowdhury	3327	Botany	6th

 09/05/2024

Dr. Debasree Lodh
Head, Department of Botany
Holy Cross College, Agartala

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA



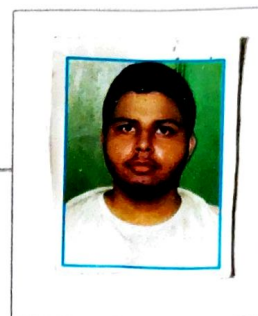
HOLY CROSS COLLEGE

Accredited by NAAC with 'A' Grade

Affiliated to Tripura University (A Central University)

Jubatara, P.O., Lembucherra, Agartala, Tripura W. 799210

Phone: 0381 - 2865222, +91 9402315672, web: www.holycrosscollege.in



APPLICATION FORM (Add on / Certificate Course)

Application No.

Name: **PRATIK CHAKRABORTI**

(Full Name in Capital Letters as in official records)

HCC admission No.: **4120** Course: **BSc. hon.** Sem.: **4th**
(700)

Date of Birth: **27** **03** **2003** **27th March 2003**
Date Month Year (in words)

Male ☒ Female ☐ Transgender ☐ Place of Birth:

category: SC ☐ ST ☐ OBC ☐ General ☒ Minority ☐ PwD ☐

Candidate email: **pratikchakraborti@gmail.com** Aadhaar No.: **2914 1157 9186**

Mobile Number **9233106915** (Whatsapp).....

Mother Tongue: **Bengali**

Name of Father **Partha Chakraborti** Occupation **govt. employee**

Name of Mother **Papaya Chakraborty** Occupation **housewife**

Permanent Address **Jompukur lane Banamalpur**

Local Guardian's Address (if any).....

Parent/Guardian Mobile No: **9612287793**

ADD ON/ CERTIFICATE COURSES OFFERED

GST	☐	Food, Culture and Society	☐
Human Resource Management	☐	Human Rights	☐
Course in Mushroom Cultivation	☒	Bakery Skill	☐
Basic Physiological Techniques	☐	Business English Skills	☐
Sociology of Mass Communications	☐	Spoken English	☐
Micro Counseling Course	☐		
Fundamental of Historical Tourism and Heritage of Tripura	☐		

Signature of Candidate **Pratik Chakraborti** Signature of Parent / Guardian.....



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APPLICATION FORM (Add on / Certificate Course)

Application No.

Name: ROSEMITA REANG

(Full Name in Capital Letters as in official records)

HCC admission No.: 3729 Course: B.S.C. BOTANY Sem.: 4th semester

Date of Birth: 30 12 2004

Date Month Year

(in words)

Male ☐ Female ☒ Transgender ☐ Place of Birth:

category: SC ☐ ST ☒ OBC ☐ General ☐ Minority ☐ PwD ☐

Candidate email: reangrosemita@gmail.com Aadhaar No.: 450156038293

Mobile Number 8974364845 (Whatsapp) 8974364845

Mother Tongue: kokborok

Name of Father Manik Reang Occupation Self employed (Business)

Name of Mother Kalpoma Reang Occupation Housewife

Permanent Address: Vill: Tuikarman para; Pin code: -799144 district: -South Tripura

Local Guardian's Address (if any)

Parent/Guardian Mobile No: 9612218625

ADD ON/ CERTIFICATE COURSES OFFERED

GST	☐	Food, Culture and Society	☐
Human Resource Management	☐	Human Rights	☐
Course in Mushroom Cultivation	☒	Bakery Skill	☐
Basic Physiological Techniques	☐	Business English Skills	☐
Sociology of Mass Communications	☐	Spoken English	☐
Micro Counseling Course	☐		

Fundamental of Historical Tourism and Heritage of Tripura ☐

Signature of Candidate: Rosemita Reang Signature of Parent / Guardian: Manik Reang



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APPLICATION FORM (Add on / Certificate Course)

Application No. _____

Name: SRAYESHA REANG

(Full Name in Capital Letters as in official records)

HCC admission No.: 3727 Course: B.Sc BOTANY Sem.: 4th Semester

Date of Birth: 13 08 2004

Date Month Year

(in words)

Male ☐ Female ☒ Transgender ☐ Place of Birth: _____

category: SC ☐ ST ☒ OBC ☐ General ☐ Minority ☐ PwD ☐

Candidate email: Srayeshareang09@gmail.com Aadhaar No.: 9669 4529 9257

Mobile Number 60098 22505 (Whatsapp) 60098 22505

Mother Tongue: KOKBOROK

Name of Father: Indrajit Reang Occupation: Self employed

Name of Mother: Amili Reang Occupation: House wife

Permanent Address: vill: Laxmichara ; Pin code : 799144 ; District : South Tripura

Local Guardian's Address (if any): _____

Parent/Guardian Mobile No.: 9862760191

ADD ON/ CERTIFICATE COURSES OFFERED

GST	☐	Food, Culture and Society	☐
Human Resource Management	☐	Human Rights	☐
Course in Mushroom Cultivation	☒	Bakery Skill	☐
Basic Physiological Techniques	☐	Business English Skills	☐
Sociology of Mass Communications	☐	Spoken English	☐
Micro Counseling Course	☐		

Fundamental of Historical Tourism and Heritage of Tripura ☐

Signature of Candidate: Srayesha Reang Signature of Parent / Guardian: Indrajit Reang



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APPLICATION FORM (Add on / Certificate Course)

Application No.

Name: SELINA SINGH
(Full Name in Capital Letters as in official records)

HCC admission No.: 4134 Course: BOTANY Sem.: 4th (FOURTH)

Date of Birth: 29 01 2003 TWENTY NINE JANUARY TWO THOUSAND THREE
Date Month Year (in words)

Male ☐ Female ☒ Transgender ☐ Place of Birth: Agartala

category: SC ☐ ST ☐ OBC ☒ General ☐ Minority ☐ PwD ☐

Candidate email: selinasingh2003@gmail.com Aadhaar No.: 9486 7437 8934

Mobile Number 9366 451362 (Whatsapp) 8974 271183

Mother Tongue: MANIPURI

Name of Father KRISHNA MANI SINGH Occupation BUSINESS

Name of Mother SUJATA DATTA Occupation TEACHER

Permanent Address VILL:- NOAGACH, BAMUTIA, P.O:- KAUBAZAR, PIN:- 799210, TRIPURA(W)

Local Guardian's Address (if any)

Parent/Guardian Mobile No: 9862275070

ADD ON/ CERTIFICATE COURSES OFFERED

GST	☐	Food, Culture and Society	☐
Human Resource Management	☐	Human Rights	☐
Course in Mushroom Cultivation	☒	Bakery Skill	☐
Basic Physiological Techniques	☐	Business English Skills	☐
Sociology of Mass Communications	☐	Spoken English	☐
Micro Counseling Course	☐		
Fundamental of Historical Tourism and Heritage of Tripura	☐		

Signature of Candidate Selina Singh Signature of Parent / Guardian Sujata Datta



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APPLICATION FORM (Add on / Certificate Course)

Application No.

Name: **HIMANI CHAKMA**

(Full Name in Capital Letters as in official records)

HCC admission No.: **4156** Course: **Botany (Hons)** Sem.: **4th**

Date of Birth: **29 08 2003** **Twenty nine august two thousand three**
Date Month Year (in words)

Male ☐ Female ☒ Transgender ☐ Place of Birth: **Manu, Dhalai Tripura**

category: SC ☐ ST ☒ OBC ☐ General ☐ Minority ☐ PwD ☐

Candidate email: **himanichakma12345@gmail.com** Aadhaar No.: **306255606625**

Mobile Number **9863216523** (Whatsapp) **9863216523**

Mother Tongue: **Chakma language**

Name of Father **Namajit Chakma** Occupation **Teacher**

Name of Mother **Swarna Lakshmi Chakma** Occupation **Housewife**

Permanent Address **Mainama, Dhalai Tripura**

Local Guardian's Address (if any)

Parent/Guardian Mobile No: **9366374043**

ADD ON/ CERTIFICATE COURSES OFFERED

GST ☐

Human Resource Management ☐

Course in Mushroom Cultivation ☒

Basic Physiological Techniques ☐

Sociology of Mass Communications ☐

Micro Counseling Course ☐

Fundamental of Historical Tourism and Heritage of Tripura ☐

Food, Culture and Society ☐

Human Rights ☐

Bakery Skill ☐

Business English Skills ☐

Spoken English ☐

Signature of Candidate **Himani Chakma** Signature of Parent / Guardian **Swarna Lakshmi Chakma**



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APPLICATION FORM (Add on / Certificate Course)

Application No.

Name: DINESH CHAKMA
(Full Name in Capital Letters as in official records)

HCC admission No.: 4135 Course: Bsc elective Sem: 4th

Date of Birth: 12 05 2005 TWELVE / MAY / TWO THOUSAND FIVE
(in words)

Male ☒ Female ☐ Transgender ☐ Place of Birth: KANCHANPUR, NORTH TRIPURA

category: SC ☐ ST ☒ OBC ☐ General ☐ Minority ☐ PwD ☐

Candidate email: nigen.chakma819@gmail.com Aadhaar No.: 321665634305

Mobile Number 8787639943 (Whatsapp) 8787639943

Mother Tongue: CHAKMA

Name of Father: NAKUL CHAKMA Occupation: C.R.P.F

Name of Mother: NILU KUMARI CHAKMA Occupation: HOUSE WIFE

Permanent Address: KANCHANPUR, KANCHANCHERRA, NORTH TRIPURA

Local Guardian's Address (if any):

Parent/Guardian Mobile No: 8413994064

ADD ON/ CERTIFICATE COURSES OFFERED

GST	☐	Food, Culture and Society	☐
Human Resource Management	☐	Human Rights	☐
Course in Mushroom Cultivation	☒	Bakery Skill	☐
Basic Physiological Techniques	☐	Business English Skills	☐
Sociology of Mass Communications	☐	Spoken English	☐
Micro Counseling Course	☐		
Fundamental of Historical Tourism and Heritage of Tripura	☐		

Signature of Candidate: Dinesh Chakma Signature of Parent / Guardian: Nakul



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APPLICATION FORM (Add on / Certificate Course)

Application No.

Name: ANKITA CHOWDHURY
(Full Name in Capital Letters as in official records)

HCC admission No.: 3327 Course: B.Sc Botany(H) Sem.: 6th

Date of Birth: 26 12 2002 Twenty six December Two thousand Two
Date Month Year (in words)

Male ☐ Female ☒ Transgender ☐ Place of Birth: Agartala

category: SC ☐ ST ☐ OBC ☒ General ☐ Minority ☐ PwD ☐

Candidate email: ankitaad2826@gmail.com Aadhaar No.: 870721791320

Mobile Number 9774048243 (Whatsapp) 9774048243

Mother Tongue: Bengali

Name of Father: Bijoylal Chowdhury Occupation: Panchayat Secretary

Name of Mother: Manju Banik Chowdhury Occupation: Retired (Teacher-in-charge)

Permanent Address: Bordowali near Tripureswari apartment, Agartala, Tripura

Local Guardian's Address (if any): Bordowali near Tripureswari apartment

Parent/Guardian Mobile No.: 8575614904 / 8791348151

ADD ON/ CERTIFICATE COURSES OFFERED

GST	☐	Food, Culture and Society	☐
Human Resource Management	☐	Human Rights	☐
Course in Mushroom Cultivation	☒	Bakery Skill	☐
Basic Physiological Techniques	☐	Business English Skills	☐
Sociology of Mass Communications	☐	Spoken English	☐
Micro Counseling Course	☐		
Fundamental of Historical Tourism and Heritage of Tripura	☐		

Signature of Candidate: Ankita Chowdhury Signature of Parent / Guardian: Manju Banik (Chowdhury)



Holy Cross College
Jubatara, West Tripura - 799210
(Miscellaneous Challan - Student Copy)

Session : 2023-24

Payment Mode : Offline

Trxn Id : HEHCC5529698284016

Payment Date : 13-12-2024

Receipt No : 1694

Adm. No(if any) : 4120

Title	Value(Rs.)
Add on Course	1000
Amount Paid	1000

* Txn.No: 434864320120

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Cashier
HCC Agartala



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Jubatara, West Tripura - 799210
(Miscellaneous Challan - Student Copy)

Session : 2023-24

Payment Mode : Offline

Trxn Id : HEHCC2256958632868

Payment Date : 13-12-2024

Receipt No : 1695

Adm. No(if any) : 3727

Title	Value(Rs.)
Add on Course	1000
Amount Paid	1000

* Txn.No:471459029619

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Cashier
HCC Agartala



Holy Cross College
Jubatara, West Tripura - 799210
(Miscellaneous Challan - Student Copy)

Session : 2023-24

Payment Mode : Offline

Trxn Id : HEHCC3160969857519

Payment Date : 13-12-2024

Receipt No : 1696

Adm. No(if any) : 3729

Title	Value(Rs.)
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Amount Paid	1000

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Cashier
HCC Agartala



Holy Cross College
Jubatara, West Tripura - 799210
(Miscellaneous Challan - Student Copy)

Session : 2023-24

Payment Mode : Offline

Trxn Id : HEHCC8639753489906

Payment Date : 13-12-2024

Receipt No : 1693

Adm. No(if any) : 4134

Title	Value(Rs.)
Add on Course	1000
Amount Paid	1000

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Cashier
HCC Agartala



Holy Cross College
Jubatara, West Tripura - 799210
(Miscellaneous Challan - Student Copy)

Session : 2023-24

Payment Mode : Offline

Trxn Id : HEHCC7310863201119

Payment Date : 13-12-2024

Receipt No : 1698

Adm. No(if any) : 3327

Title	Value(Rs.)
Add on Course	1000
Amount Paid	1000

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Cashier
HCC Agartala



Holy Cross College
Jubatara, West Tripura - 799210
(Miscellaneous Challan - Student Copy)

Session : 2023-24

Payment Mode : Offline

Trxn Id : HEHCC4862280278390

Payment Date : 13-12-2024

Receipt No : 1697

Adm. No(if any) : 4156

Title	Value(Rs.)
Add on Course	1000
Amount Paid	1000

* Txn.No:471468424819

Generated through
HEMBRO eCAMP™

13-12-2024 06:03:05


Cashier
HCC Agartala



Holy Cross College
Jubatara, West Tripura - 799210
(Miscellaneous Challan - Student Copy)

Session : 2023-24

Payment Mode : Offline

Trxn Id : HEHCC7823000224650

Payment Date : 13-12-2024

Receipt No : 1699

Adm. No(if any) : 4135

Title	Value(Rs.)
Add on Course	1000
Amount Paid	1000

* Txn.No:471406423844

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HEMBRO eCAMP™

13-12-2024 06:06:12


Cashier
HCC Agartala



TRIPURA UNIVERSITY

Department Name: Botany

Name of the Exam: Add-On Course

YEAR: 2024

Paper Name : (Mushroom Biology and Firming)

Paper Code: ADMB01

Full Marks: 100

Sl No.	Name	Theory Marks	Practical Marks	Internal Marks	Total: Marks-100
		35	35	(15+15)=30	
1.	Selina Singh	27	33	24	78
2.	Pratik Chakraborty	23	28	25	76
3.	Srayesha Reang	32	30	26	88
4.	Rosmita Reang	28	30	28	86
5.	Himani Chakma	32	30	24	86
6.	Ankita Chowdhury	21	28	24	73
7.	Dinash Chakma	28	24	26	78


23/9/2024
Head Department of Botany,
Tripura University
DEPARTMENT OF BOTANY
TRIPURA UNIVERSITY



CERTIFICATE OF APPRECIATION IN FAVOUR OF



SELINA SINGH

This certificate is issued to the Participant for her successful completion of an Add-on course jointly conducted by the Department of Botany, Tripura University and the Department of Botany, Holy Cross College with the following grade A. The course entitled: Mushroom Biology and Farming (From May - October 2024). It adds value to skill enhancement career.

Programmee Co-
Ordinator

Dean
Science, T.U

Principal, HCC



CERTIFICATE OF APPRECIATION IN FAVOUR OF



DINESH CHAKMA

This certificate is issued to the Participant for her successful completion of an Add-on course jointly conducted by the Department of Botany, Tripura University and the Department of Botany, Holy Cross College with the following grade A. The course entitled: Mushroom Biology and Farming (From May - October 2024). It adds value to skill enhancement career.

A handwritten signature in black ink, appearing to read "Anha", written over a horizontal line.

Programmee Co-
Ordinator

A handwritten signature in black ink, appearing to read "D. Chakma", written over a horizontal line.

Dean
Science, T.U

A handwritten signature in black ink, appearing to read "B. Chakma", written over a horizontal line.

Principal, HCC



CERTIFICATE OF APPRECIATION
IN FAVOUR OF



S R A Y E S H A R E A N G

This certificate is issued to the Participant for her successful completion of an Add-on course jointly conducted by the Department of Botany, Tripura University and the Department of Botany, Holy Cross College with the following grade Q. The course entitled: Mushroom Biology and Farming (From May - October 2024). It adds value to skill enhancement career.

Programmee Co-
Ordinator

Dean
Science, T.U

Principal, HCC



CERTIFICATE OF APPRECIATION
IN FAVOUR OF



P R A T I K C H A K R A B O R T I

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Programmee Co-
Ordinator

Dean
Science, T.U

Principal, HCC



CERTIFICATE OF APPRECIATION IN FAVOUR OF



ROSEMITA REANG

This certificate is issued to the Participant for her successful completion of an Add-on course jointly conducted by the Department of Botany, Tripura University and the Department of Botany, Holy Cross College with the following grade Q. The course entitled: Mushroom Biology and Farming (From May - October 2024). It adds value to skill enhancement career.

Programmee Co-
Ordinator

Dean
Science, T.U

Principal, HCC



CERTIFICATE OF APPRECIATION IN FAVOUR OF



HIMANI CHAKMA

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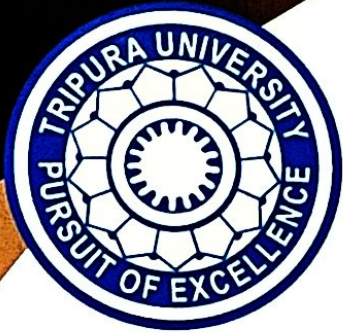
Programmee Co-
Ordinator

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Dean
Science, T.U

A handwritten signature in blue ink, appearing to read "B. M.".

Principal HCC



CERTIFICATE OF APPRECIATION IN FAVOUR OF



ANKITA CHOWDHURY

This certificate is issued to the Participant for her successful completion of an Add-on course jointly conducted by the Department of Botany, Tripura University and the Department of Botany, Holy Cross College with the following grade A. The course entitled: Mushroom Biology and Farming (From May - October 2024). It adds value to skill enhancement career.

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Programme Co-
Ordinator

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Dean
Science, T.U

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Principal, HCC



सत्यमेव जयते

INDIA NON JUDICIAL Government of Tripura

e-Stamp

Certificate No.	: IN-TR14439712546478U
Certificate Issued Date	: 26-Apr-2022 10:27 AM
Account Reference	: NONACC (SV)/ tr12000304/ AGARTALA/ TR-WTR
Unique Doc. Reference	: SUBIN-TRTR1200030427771979678961U
Purchased by	: HOLY CROSS COLLEGE
Description of Document	: Article 1A-5(2) Agreement including a higher Agreement
Property Description	: NA
Consideration Price (Rs.)	: 0 (Zero)
First Party	: TRIPURA UNIVERSITY
Second Party	: HOLY CROSS COLLEGE
Stamp Duty Paid By	: HOLY CROSS COLLEGE
Stamp Duty Amount(Rs.)	: 200 (Two Hundred only)



Please write or type below this line

Dr. Deepak Sharma
6/12/22

(Dr. Deepak Sharma)
Registrar
Tripura University

Prof. Ajay Krishna Saha
6/12/22

Prof. Ajay Krishna Saha
Department of Botany
Tripura University
(A Central University)
Suryamaninagar, Tripura (W).

Principal

PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA

Head

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA
HCC000148300

HOLY CROSS COLLEGE

MEMORANDUM OF UNDERSTANDING

Between

TRIPURA UNIVERSITY

(A Central University)

And

This Memorandum of Understanding, entered into

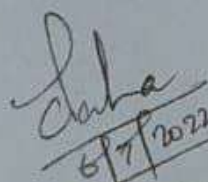
Between

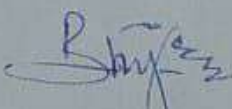
TRIPURA UNIVERSITY (A Central University) with its Campus at Suryamaninagar, West Tripura-799022, Agartala, India represented by its Registrar Dr. Deepak Sharma hereinafter referred to as **TRIPURA UNIVERSITY**; in favour of Mycology and Plant Pathology Laboratory Department of Botany.

And

HOLY CROSS COLLEGE, affiliated with Tripura University, at Jubatara, Mahanpur Road, Lembucherra, Debendrachandra nagar, Tripura 799210 is running the undergraduate programme (BA/BSc/BCom/ Bed./ BBA) since 2018 represented by the principal (Dr. Fr. Benny K.John, CSC) referred to as **HCC(UG)**.


6/7/22
(Dr. Deepak Sharma)
Registrar
Tripura University


6/7/2022
Prof. Ajay Krishna Saha
Department of Botany
Tripura University
(A Central University)
Suryamaninagar, Tripura (W)


PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA


HEAD
Department of Botany
HOLY CROSS COLLEGE, AGARTALA

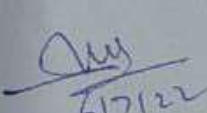
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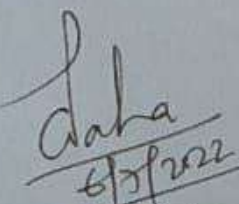
WHEREAS, TRIPURA UNIVERSITY with its cryptic motto 'pursuit of excellence' has dedicated itself to this noble task ever since it had been launched on October 02.1987. It epitomizes the aspiration of the state's people of academic excellence at the highest level and quest for knowledge. Tripura University provides Masters Degree programme in 44 Departments. Twenty One general and Seventeen technical colleges, five professional degree colleges, four applied Arts degree Colleges and two Agriculture and allied colleges within the state are affiliated with Tripura University which is now the veritable nerve center of the state's higher education, enjoying the highest possible autonomy in all matters.

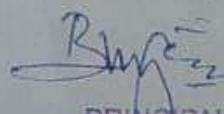
The Department of Botany came into existence on 12th of June, 2007 through the trifurcation of the Department of Life Science, established in 1976, with the objective of providing post graduate qualification to the students of the state of Tripura. With the humble beginning as a part of the then PG Centre of the University of Calcutta, the Department has moved ahead with time. A number of major research projects funded by various National Scientific Agencies have being undertaken by Faculty Members. The Department of Botany runs the courses on three specialized papers such as Plant Taxonomy and Biodiversity; Cytology and Genetics; Mycology and Plant Pathology. Add on course on "Biology and Farming of Mushroom" will jointly run by Mycology and Plant Pathology Laboratory (Under guidance of Prof. Ajay Krishna Saha) Department of Botany of Tripura University and Department of Botany Holy Cross College.

WHEREAS, HCC(UG) the Department of Botany came into existence in July 2018 through the trifurcation of the Department of Biological Sciences with the objective of providing proper knowledge about the Subject Botany to the students of the state of Tripura. Already, a research project funded by DBT New Delhi has been completed successfully by the Department. The major thrust areas of study of the Department are Agronomy, Cytology, Plant breeding, Plant Physiology, Taxonomy, Economic Botany Forestry, Gymnosperm, phycology, Mycology, Palynology and Molecular biology. The Department is headed by Dr. Dipanwita Chaudhuri Sil.

WHEREAS, TRIPURA UNIVERSITY and HCC (UG) recognize the particular role of each party in advancing and supporting activities related to the Add on the course on "Biology and Farming of Mushroom" which will be jointly run by the Mycology and Plant Pathology Laboratory, Department of Botany of Tripura University and Department of Botany of Holy Cross College, Lembucherra, with an objective to increase sustainable employment and livelihood opportunities, economic development, and environmental benefits, through the course outcome of skill development for farming of Mushroom along with the use of plant waste to produce protein rich food items having huge nutraceutical properties.


(Dr. Deepak Sharma)
Registrar
Tripura University


Prof. Ajay Krishna Saha
Department of Botany
Tripura University
(A Central University)
Imphal, Tripura (W).


PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA


HEAD
Department of Botany
HOLY CROSS COLLEGE, AGARTALA

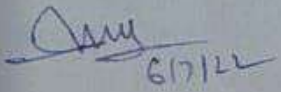
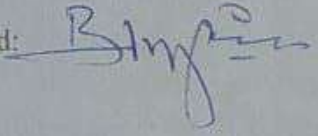
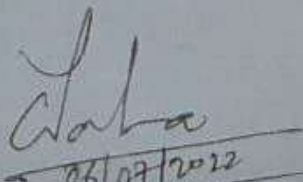
Article III Dispute Settlement Mechanism

1. Both the parties hereby agree that before approaching any court of law, they would enter into discussions regarding any point of conflict through direct negotiations.
2. Both the parties agree that the disputes not settled amicably shall be submitted exclusively to an Arbitrator appointed on mutual agreement. The resulting award by the Arbitrator shall be final and binding on both the parties.

Article IV Entry into Force and Term

1. MoU comes into effect on the date of signing by both the parties. The validity of this MoU shall be for five years with renewal for a similar period based on review necessary modifications and mutual consensus.
2. Each party shall have the right to withdraw from the Agreement on six months notice in writing. Such a termination will, however, not affect activities already approved jointly or under the progress under the terms of this Memorandum.
3. All notices, requests, reports, documents and other information and communication relating to this MoU shall be writing in the English language.

This Memorandum is signed on this day of in two originals in the English language, both texts being equally authentic.

FOR TRIPURA UNIVERSITY	FOR HOLY CROSS COLLEGE
Signed: 	Signed: 
Name: (Dr. Deepak Sharma) Registrar Tripura University	Name: Dr. Benny K. John Principal HOLY CROSS COLLEGE AGARTALA
Title:	Title: Principal
Date:	Date:
Co-Signed by:  06/07/2022 Prof. Ajay Krishna Saha Department of Botany Tripura University (A Central University) Suryamaninagar, Tripura (W).	Co-Signed by: Dr. Dipanwita Choudhury Dean HOLY CROSS COLLEGE, AGARTALA

NOW, THEREFORE THIS MOU WITNESSETH AS UNDER:-

Article I

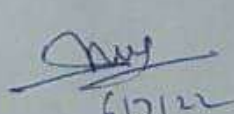
Collaboration

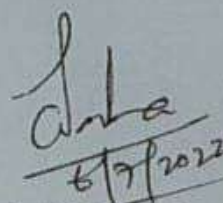
1. The One semester programme (AC) shall be jointly organized by Tripura University and HCC (UG) from Academic Session 2022-2023 onwards.
2. One semester programme (AC) has been prepared by an expert committee constituted for the purpose prepared by Tripura University & HCC (UG).
3. The Course (AC) shall be conducted in 6 months and shall include the theory and practical lectures. Both the institutes (TU & HCC UG) will be involved to conduct the Add-on Course.
4. Both the institutes shall work together for making the course industry-oriented and job oriented and shall be leading towards the recognition of model course for the Mushroom production sector.
5. Whereas both the institutes shall bring expertise to acquire special knowledge by involving other reputed agencies.
6. The financial structure and revenue mechanism shall be prepared jointly by both the institutes depending upon the needs and requirements.

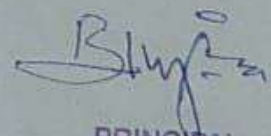
Article II

Amendment to this MoU

1. Amendment to this MoU shall be made by mutual consent of the writing. No variation in the terms of scope of this MoU shall be valid or binding unless previously expressly agreed upon in writing between the Parties in the form of a letter entitled "Amendment to MoU".


6/7/22
(Dr. Deepak Sharma)
Registrar
Tripura University


6/7/2022
Prof. Ajay Krishna Saha
Department of Botany
Tripura University
(A Central University)
Survamaninagar, Tripura (W).


PRINCIPAL
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AGARTALA


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Department of Botany,
HOLY CROSS COLLEGE, AGARTALA