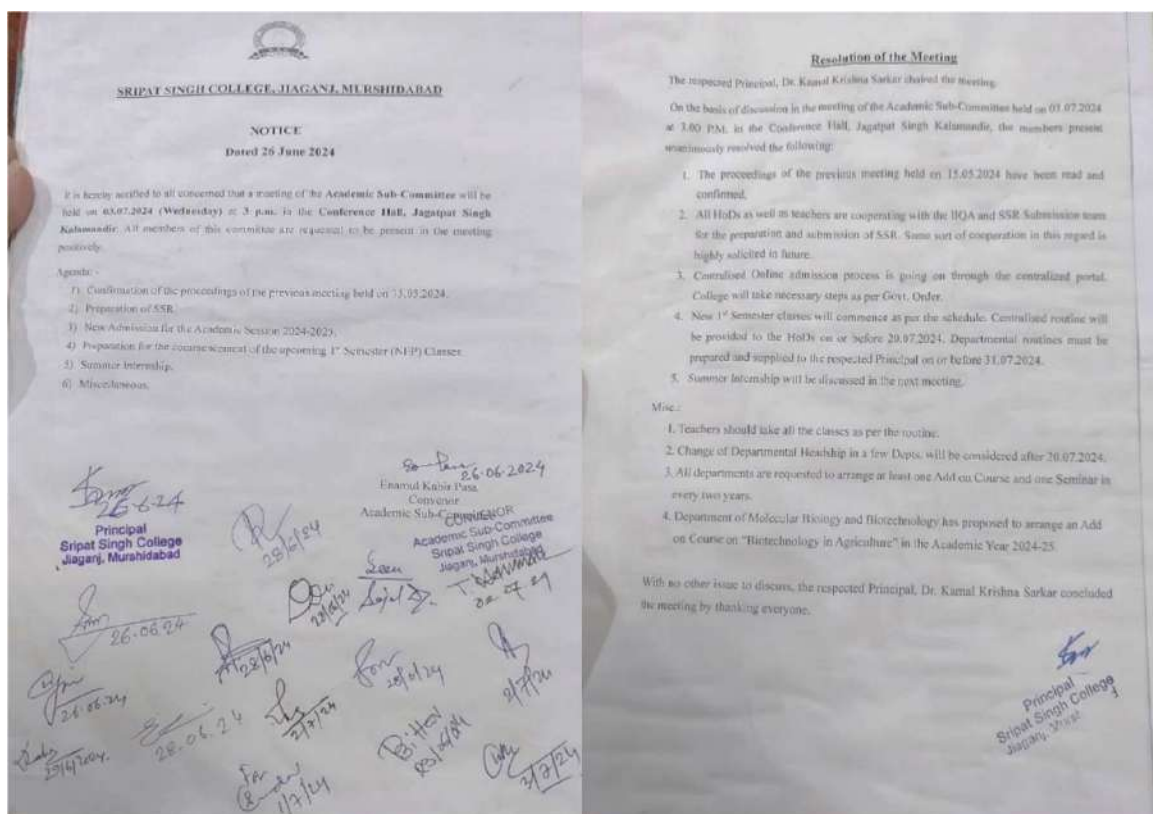


Report of Add on Course on Biotechnology in Sustainable Agriculture

The Department of Molecular Biology and Biotechnology (MBBT) successfully organized a 36-hour add-on course titled '*Biotechnology in Sustainable Agriculture.*' The initiative was first proposed during a key meeting of the academic sub-committee held on 3rd July 2024, where the decision to introduce this course was made.



Meeting Notice and Resolution of Academic Sub-committee for MBBT Add-on Course

After that, a formal departmental meeting was held on 10th July 2024, where discussions took place on how to materialize this add-on course. During this meeting, it was decided that the course would have a total intake capacity of 25 students and would be led by a dedicated team of faculty members from the department. The roles were as follows:

- **Coordinator:** Dr. Abhishek Basu, Assistant Professor & HOD, Dept. of MBBT.
- **Joint Coordinator:** Dr. Bibhas Bhattacharyya, Associate GLI, Dept. of MBBT.
- **Course Administrator:** Ms. Debjani Mandal, Assistant Professor, Dept. of MBBT.
- **Chief Instructor:** Mrs. Sayantani Basu, SACT II, Dept. of MBBT.
- **Organising Committee:** Manali Biswas, SACT II, and Md. Samirul Islam, Dept. of MBBT.

MEETING RECORD

Serial No. of Meeting: 30
 Name of Meeting: Research Lab MBBT
 Date of Meeting: 10/07/2024
 Time of Meeting: 12.00 PM

Name of Members Present	
1	17
2	18
3	19
4	20
5	21
6	22
7	23
8	24

RESOLUTIONS ADOPTED

Notice for meeting

It is for the information of all concerned that a meeting of Dept. of Molecular Biology and Biotechnology is convened on 10.07.24 at 12 Noon in Dept. Research lab to discuss about

- 1) Add-on Course
- 2) Study - Visit
- 3) Result of 3rd Semester
- 4) Departmental Routine
- 5) Departmental Magazine

Abhishek Basu
03/07/2024

Manali Biswas
3/7

Sayantani Basu
3/7/24

Bibhas Bhattacharya
3/7/24

1) Departmental Routine will be published after publication of the Central routine. The Prof. day of individual faculty members will remain same.

2) Study visit to PHED, KVSUM water treatment plant will be conducted with 2nd sem & 4th sem after 3rd of August, 2024. Exact date will be notified soon.

3) Mark Abhishek was the University and secured highest CGPA in the entire College. Overall result was excellent.

4) Add-on Course on 'Biotechnology in Agriculture' will be conducted by MBBT dept. with a total intake capacity of 25 students.
 Coordinator - Dr. Abhishek Basu
 Joint Coordinator - Dr. Bibhas Bhattacharya
 Course Administrator - Debjani Mandal
 Chief In-charge - Sayantani Basu
 Member - Md. Sanjiv Islam

5) Departmental Magazine - will be published under the guidance of Ms. Manali Biswas. Only scientific articles will be accepted. An e-magazine with QR code will be released.

Members present

Abhishek Basu
 Bibhas Bhattacharya
 Sayantani Basu
 Manali Biswas
 King Manab
 Md. Sanjiv Islam

Meeting Notice and Resolution of Department for MBBT Add-on Course



Course Details

- Course Name: Biotechnology for Sustainable Agriculture
- Course Type: Certificate
- Course Duration: Six Weeks (36 hours)
- Eligibility Criteria: Honours and Major students of MBBT, Botany, Zoology with basic knowledge of Molecular Biology
- Intake Capacity: 30
- Intake Method: First Come First Serve
- Inaugural Ceremony: 4th of October, 2024
- Class Time: 10:00 a.m. - 11:00 a.m.

Registration Link:
<https://forms.gle/kpbsU6KAy2tSREB76>

**Hands-on Training Session at
Vivekananda Institute of Biotechnology,
Nimpith**

About us

Established in 1982, the Department of Molecular Biology and Biotechnology at Sripat Singh College is the only institution of its kind in Murshidabad. It has offered an honors program since 2004. Affiliated with the University of Kalyani, the department's students often excel and go on to pursue further studies at prestigious institutions such as IIT, IISER, and JNU.

Our Goal

Our Add-on Course in 'Biotechnology for Sustainable Agriculture' trains students in advanced techniques to enhance crop productivity using biotechnology, focusing on environmental conservation. The course equips students with practical skills for sustainable agricultural practices.

Chief Patron
Dr. Kamal Krishna Sarkar
(Principal, Sripat Singh College)

IQAC Coordinator
Dr. Sagar Srimandy
(Associate Professor, Dept. of History, Sripat Singh College)


Course Coordinator
Dr. Abhishek Basu, Assistant Professor (HOD)
Joint Course Coordinator
Dr. Bibhas Bhattacharyya, Associate GLI
Course Administrator
Ms. Debjani Mandal, Assistant Professor
Chief Instructor
Mrs. Sayantani Basu, SACT II
Organizing committee
Mrs. Manali Biswas, SACT II
and
Md. Samirul Islam
Department of Molecular Biology Biotechnology, Sripat Singh College

Certificate Course
on
Biotechnology for Sustainable Agriculture




Organized by
Department of Molecular Biology & Biotechnology
In collaboration with
IQAC
Sripat Singh College

Brochure of Add-on Course



SRIPAT SINGH COLLEGE
P.O. Jagannj, Dist. Murshidabad, West Bengal, PIN 742 123
Phone: 03483-255351, Fax: 03483-256961
E-mail: sscollege2009@gmail.com, Web: <https://www.sripatsinghcollege.edu.in>

Notice


Date: 26-09-2024

This is to inform all the students of the Department of Molecular Biology and Biotechnology, Botany and Zoology (Honours and Major) that an Add course on 'Biotechnology for Sustainable Agriculture' will be held on and from 4th of October 2024. This program aims to equip participants with essential knowledge to enhance their understanding and practical skills to make agriculture more sustainable. Interested students are encouraged to register as soon as possible using the following link:

Registration Link
<https://forms.gle/kpbsU6KAy2tSREB76>

Student capacity- 30

For further details, please contact Dr. Abhishek Basu or Ms. Debjani Mandal, Department of Molecular Biology and Biotechnology, Sripat Singh College, Jagannj



DR. KAMAL KRISHNA SARKAR
Principal
Sripat Singh College
Jagannj, Murshidabad

Departmental Notice Regarding the Add-on Course

The Department of Molecular Biology & Biotechnology, in collaboration with the Internal Quality Assurance Cell (IQAC) at Sripat Singh College, Jiaganj, Murshidabad, successfully announced an inaugural ceremony which was held on 4th October, 2024 at Rabindra Sabhakaksha, Sripat Singh College. Initially, the intake capacity was decided to be 25 students, but later it was increased to 30 students to meet high demand, with selections based on a first-come, first-serve basis. The event was graced by the presence of Dr. Kamal Krishna Sarkar, Principal, and Dr. Sagar Simlandi, IQAC Coordinator. The event also featured an inaugural lecture by Md. Mehedi Hossain, Assistant Professor and Head, Department of Botany, Kabi Nazrul College, highlighting the significance of biotechnology in sustainable agriculture.

Certificate Course
on
Biotechnology for Sustainable Agriculture
organized by
Department of Molecular Biology & Biotechnology
In collaboration with
IQAC
Sripat Singh College
Jiaganj, Murshidabad

Course Details:

- Course Name: **Biotechnology for Sustainable Agriculture**
- Course Type: **Certificate Course**
- Course Duration: **Six Weeks (36 hours)**
- Eligibility Criteria: **Current Honours and Major students of MBBT, Botany, Zoology (NEP and CBCS system).**
- Intake Capacity: **30**
- Intake Method: **First Come First Serve**
- Inaugural ceremony: **4th October, 2024**
- Class Time: **10:00 a.m. - 11:00 a.m.**

Hands-on Training Session at Vivekananda Institute of Biotechnology, Nimpith

Registration Link:
<https://forms.gle/kpbsU6kAy2tSREB75>

Inaugural Ceremony
4th of October, 2024
Rabindra Sabhakaksha, SS College
(12:00 noon – 1:30 p.m.)

Inaugural Lecture
Time: 12:30 p.m. to 1:30 p.m.
Md Mehedi Hossain
Assistant Professor and Head,
Department of Botany,
Kabi Najrul College, Murarai, Birbhum

In August presence of
Dr. Kamal Krishna Sarkar
Principal, Sripat Singh College
Dr. Sagar Simlandi
IQAC Coordinator, Sripat Singh College

Course Coordinator
Dr. Abhishek Basu, Assistant Professor (HOD), Dept. of MBBT, SS College

Joint Course Coordinator
Dr. Bibhas Bhattacharyya, Associate G.L.I, Dept. of MBBT, SS College

Course Administrator
Ms. Debjani Mandal, Assistant Professor, Dept. of MBBT, SS College

Chief Instructor
Mrs. Sayantani Basu, SACT II, Dept. of MBBT, SS College

Organizing Committee
Mrs. Manali Biswas, SACT II and Md. Samirul Islam
Dept. of MBBT, SS College

Banner of the Seminar

Course: Biotechnology for Sustainable Agriculture

Course code: BSA 01

Course Duration: 6 weeks (36 hours)

Course structure: Theory (20 hours) + Practical (10 hours) + Hands-on-training (6 hours)

Mode of Instruction: Blended mode

Mode of Evaluation: Course end Examination + Participation in classes

Course Instructor: Ms. Debjani Mandal, Dr. Abhishek Basu, Mrs. Sayantani Basu and Dr. Bibhas Bhattacharyya

Syllabus

Module 1: Plant growth promoting bacteria (PGPB), Rhizobium –isolation, identification, mass multiplication, Cyanobacteria (blue green algae), Azolla and Anabaena azollae association, nitrogen fixation, role of blue green algae and Azolla in rice cultivation.

Module 2: Mycorrhizal association –types of mycorrhizal association, taxonomy, occurrence and distribution, phosphorus nutrition, growth, and yield –colonization of VAM –isolation and inoculum production of VAM, and its influence on growth and yield of crop plants.

Module 3: Practical

- Preparation and sterilization of Media-Jensen's medium, Pikovskaya's agar, Aleksandrow agar.
- Isolation of Nitrogen-fixing, Phosphate & Potassium solubilizing bacteria from soil.
- Preparation of Biofertilizer using Plant Growth Promoting Bacteria and Vermicompost.
- Visit to an Organic Farm or Biogas Plant.

Module 4: Hands-on-training

- Preparation of Biofertilizer from plant growth promoting microorganisms isolated from the soil.

Abhishek Basu
Dr. Abhishek Basu, Ph.D.
Head and Assistant Professor
Dept. of Molecular Biology & Biotechnology
Sripat Singh College, Jagaj, MSD

Debjani Mandal
Assistant Professor
Dept. of Molecular Biology
and Biotechnology
Sripat Singh College, Jagaj, MSD

Syantani Basu
30-9-24
DR. KAMAL KRISHNA SARKAR
Assistant Professor
Dept. of Molecular Biology
and Biotechnology
Sripat Singh College
Jagaj, Murshidabad

Syllabus of the Add-on Course



Dr. Abhishek Basu, Course Coordinator, delivering his inaugural speech

Registration Form for Participants in Certificate Course on 'Biotechnology for Sustainable Agriculture (Responses)

Timestamp	Email Address	Student Name	UG Program	Discipline	Current Semester	Contact Number
9/22/2024 19:55:38	anhanandan87@gmail.com	Nandan Saha	NEP	Molecular Biology and B	1st Sem	839952033
9/22/2024 19:17:13	huda8720@gmail.com	Hanifa Sultana	NEP	Molecular Biology and B	1st Sem	917818663
9/22/2024 19:48:27	aparna.k2003@gmail.com	Aparna Mondal	NEP	Molecular Biology and B	1st Sem	987644441
9/22/2024 19:54:46	irashahid@gmail.com	Mit Zahar Sayid	NEP	Molecular Biology and B	1st Sem	984711299
9/22/2024 17:19:44	anushkasahay87@gmail.com	Soham CHATTERJEE	NEP	Molecular Biology and B	1st Sem	937946948
9/22/2024 17:22:45	pranab884@gmail.com	Pranab Khan	NEP	Molecular Biology and B	1st Sem	975289889
9/22/2024 17:39:29	chetanprasad09@gmail.com	Chetan Chatterjee	NEP	Molecular Biology and B	1st Sem	864301717
9/22/2024 17:41:02	divyashubh@gmail.com	DIVYATAMA DIVYANJAN	NEP	Molecular Biology and B	1st Sem	947402733
9/22/2024 19:54:24	pp2020@gmail.com	Priyanka Pal	NEP	Molecular Biology and B	1st Sem	932069446
9/22/2024 19:56:52	ajayprasad17@gmail.com	Ajayna Sankar	NEP	Molecular Biology and B	1st Sem	792572102
9/22/2024 19:57:13	muskanhader2004@gmail.com	Muskan Hader	NEP	Molecular Biology and B	1st Sem	962896572
9/22/2024 20:00:01	bandanasankar@gmail.com	Kishorendu Chatterjee	NEP	Molecular Biology and B	1st Sem	982291393
9/22/2024 20:05:45	sanwal76@gmail.com	Sanswat Majumdar	NEP	Molecular Biology and B	1st Sem	939642362
9/22/2024 20:07:41	rupamkhandak2009@gmail.com	Rupam Khandak	NEP	Molecular Biology and B	1st Sem	939154627
9/22/2024 20:19:20	ajaypal77@gmail.com	Yashu Pal	NEP	Molecular Biology and B	1st Sem	982243715
9/22/2024 19:59:04	ad70784@gmail.com	Riya Das	NEP	Molecular Biology and B	1st Sem	967990247

Registration Form for Participants in Certificate Course on 'Biotechnology for Sustainable Agriculture (Responses)

Timestamp	Email Address	Student Name	UG Program	Discipline	Current Semester	Contact Number
10/1/2024 19:42:11	abhishekab@gmail.com	Bibek Das	NEP	Molecular Biology and B	1st Sem	856391271
10/1/2024 20:26:05	muskanhader20@gmail.com	Mit Nahar Das	NEP	Molecular Biology and B	1st Sem	987644296
10/1/2024 19:39:34	pradipprasad@gmail.com	Koyal Das	NEP	Molecular Biology and B	1st Sem	829070394
10/1/2024 11:22:25	pranabprasad20@gmail.com	Pranab Kumar	NEP	Molecular Biology and B	1st Sem	829499223
10/1/2024 12:19:00	abhishek84@gmail.com	Apurva Pal	NEP	Molecular Biology and B	1st Sem	919203274
10/1/2024 12:19:58	anushkasahay87@gmail.com	Nishikha Sinha	NEP	Molecular Biology and B	1st Sem	915224771
10/1/2024 12:29:43	anushkasahay87@gmail.com	Rakul Khuntia	NEP	Molecular Biology and B	1st Sem	842027224
11/1/2024 17:31:40	anushkasahay87@gmail.com	Shikha Das	NEP	Zoology	1st Sem	797760226
11/1/2024 13:00:44	anushkasahay87@gmail.com	Shikha Das	NEP	Molecular Biology and B	1st Sem	952246517
9/22/2024 15:55:40	muskanhader20@gmail.com	Mit Nahar Das	NEP	Molecular Biology and B	1st Sem	862071815
9/22/2024 16:02:25	deepak03@gmail.com	Deep Das	NEP	Molecular Biology and B	1st Sem	981788946
9/22/2024 16:44:56	anushkasahay87@gmail.com	Shikha Das	NEP	Molecular Biology and B	1st Sem	937622288
9/22/2024 16:02:19	by2545@gmail.com	Bikram Choudhary	NEP	Molecular Biology and B	1st Sem	798484872
9/22/2024 13:46:34	anushkasahay87@gmail.com	Priya Saha	NEP	Molecular Biology and B	1st Sem	988325479
9/22/2024 13:25:03	anushkasahay87@gmail.com	Uma Rashmi	NEP	Zoology	1st Sem	702427533
9/22/2024 14:43:18	anushkasahay87@gmail.com	BAKUL ALI	NEP	Zoology	1st Sem	919427489

Students registered in the Course

Add on Course on Biotechnology for Sustainable Agriculture
 Teacher - Dr. Abhishek Basu Date- 06-11-2024
 Class: Theory Duration: 1 hour
 Topic - Plant Growth Promoting Bacteria and its isolation

Attendance:

S.N.	NAME	Roll No.	SIGNATURE
1	Md. Masum Hasan	2023BIOM0004 (2nd Sem)	Md. Masum Hasan
2	NANDAN SINHA	1st sem - 21	Nandan Sinha
3	Palash sk.	2023BIOM0044 (3rd Sem)	Palash
4	Md Mostafid Elsam	2023BIOM0001 (2nd Sem)	Md Mostafid Elsam
5	Inam Ati	2023BIOM0166 (3rd Sem)	Inam Ati
7	Dev Naha	2023BIOM0043 (2nd Sem)	Dev Naha
8	Bikram Ghosh	2023BIOM0083 (3rd Sem)	Bikram Ghosh
9	Nitika Sankar	2023BIOM0040 (3rd Sem)	Nitika Sankar
10	Arjati Talwar	2023BIOM0040 (2nd Sem)	Arjati Talwar
11	Shreya Bhattach	2023BIOM0027 (3rd Sem)	Shreya Bha
12	Bidha Shil.	2023BIOM0005 (3rd Sem)	Bidha Shil.
13	Prityanka Pal	23 (1st Sem)	Prityanka Pal
14	Saptaparna kundu	34 (1st Sem)	Saptaparna Kundu
15	Ashishna Sankar	19 (1st Sem)	Ashishna Sankar

Add on Course on Biotechnology for Sustainable Agriculture
 Teacher: Mrs. Sayantani Basu
 Class 4: Theory Duration: 1 hour
 Topic: Mycorrhizal Fecundity and VAM
 Date: 20-11-2024

Attendance:

S.N.	NAME	Roll No.	SIGNATURE
1	Bidha Shil.	2023BIOM0005-2nd Sem	Bidha Shil.
2	Shreya Bhattar	2023BIOM0027 2nd Sem	Shreya Bhattar
3	Arjati Talwar	2023BIOM0040 (2nd Sem)	Arjati Talwar
4	Nitika Sankar	2023BIOM0040 (2nd Sem)	Nitika Sankar
5	Sneha Das	2024BIOM0081 (1st Sem)	Sneha Das
6	Dev Naha	2023BIOM0043 (2nd Sem)	Dev Naha
7	Bikram Ghosh	2023BIOM0083 (3rd Sem)	Bikram Ghosh
8	Mukesh Halder	19 (1st Sem)	Mukesh Halder
9	Sayanmitra Ghosh	35 (1st Sem)	Sayanmitra Ghosh
10	Eugeni Saha	43 (1st Sem)	Eugeni Saha
11	Aparajita	02 (1st Sem)	Aparajita
12	Saptaparna Kundu	34 (1st Sem)	Saptaparna Kundu
13	Bidha Chatterjee	2024MBTMD31	Bidha Chatterjee
14	Nandan Sinha	21 (1st Sem)	Nandan Sinha

Add on Course on Biotechnology for Sustainable Agriculture
 Teacher: Mrs. Manali Biswas
 Class #: Theory Time: 1 hrs.
 Topic: Nitrogen fixation
 Date: 28-11-24

S.N.	Name	Roll No.	SIGNATURE
1	Bidha Chatterjee	2024MBTMD31	Bidha Chatterjee
2	Palash sk.	2023BIOM0044 (3rd Sem)	Palash
3	Bidisha Das	04 (1st Sem)	Bidisha Das
4	Koyel Paul	07 (1st Sem)	Koyel Paul
5	Aparajita	02 (1st Sem)	Aparajita
6	Arushi Khandel	01 (1st Sem)	Arushi Khandel
7	Mukesh Halder	19 (1st Sem)	Mukesh Halder
8	Nandan Sinha	21 (1st Sem)	Nandan Sinha
9	Prityanka Pal	23 (1st Sem)	Prityanka Pal
10	Ashishna Sankar	19 (1st Sem)	Ashishna Sankar
11	Sayanmitra Ghosh	35 (1st Sem)	Sayanmitra Ghosh
12	Rubana Khatri	07 (1st Sem)	Rubana Khatri
13	Sayanmitra Choudhury	05 (1st Sem)	Sayanmitra Choudhury
14	Rupa Khatri	30 (1st Sem)	Rupa Khatri
15	Hanida Sultana	06 (1st Sem)	Hanida Sultana
16	Shreya Bhattach	2023BIOM0027 (3rd Sem)	Shreya Bhattach
17	Bidha Shil	2023BIOM0005 (3rd Sem)	Bidha Shil
18	Maharajjyamanik Sk	2023BIOM0039 3rd Sem	Maharajjyamanik Sk

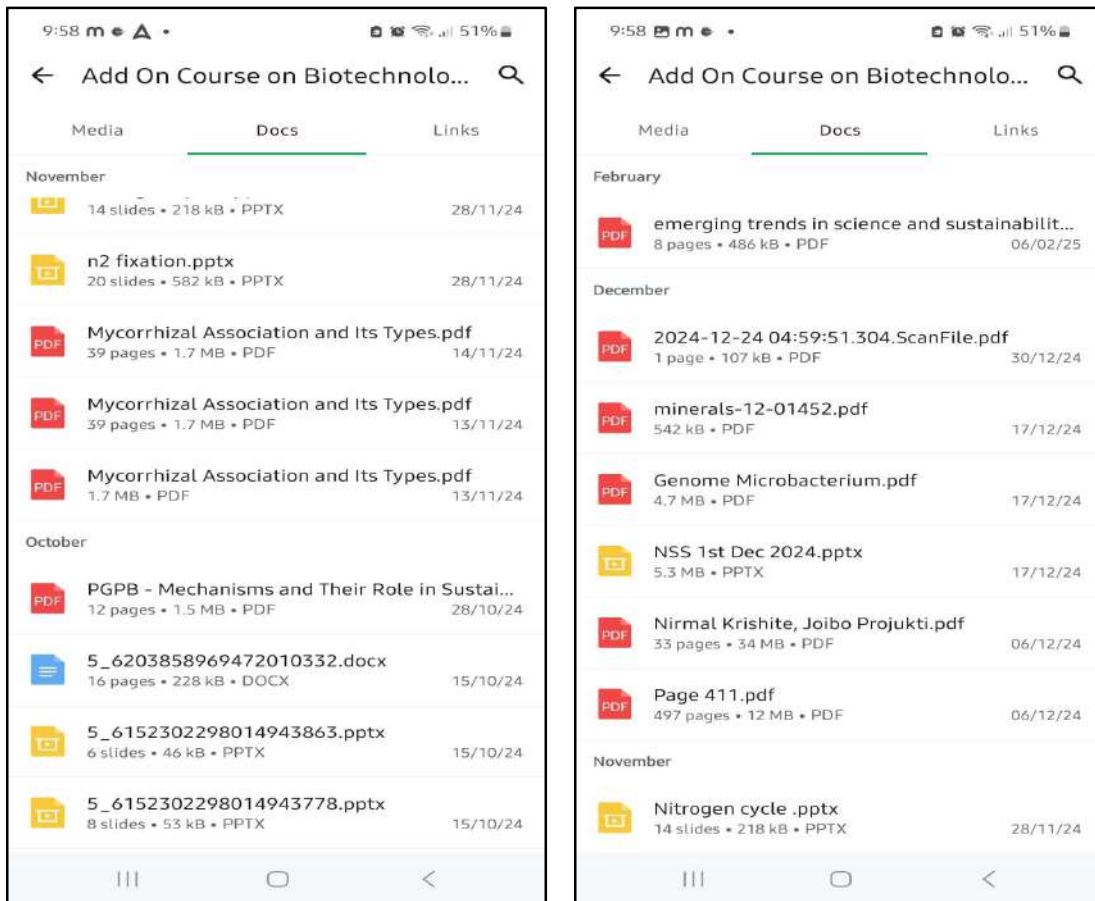
Add on Course on Biotechnology for Sustainable Agriculture
 Teacher - Dr. Abhishek Basu
 Class 13: Theory Time: 2 hours
 Topic: Plant Growth promotion shown in vitro and in pot culture by Bacterial Biofertilizer

S.N.	Name	Roll No.	SIGNATURE
1	Inam Ati	2023BIOM0166	Inam Ati
2	Sham Chatterjee	2024MBTMD31	Sham Chatterjee
3	Dip Lila	2023BIOM0010	Dip Lila
4	Bikram Ghosh	2023BIOM0083	Bikram Ghosh
5	Palash sk.	2023BIOM0044	Palash
6	Md. Masum Hasan	2023BIOM0004	Md. Masum Hasan
7	Kirti Khandu Chatterjee	2024MBTMD31	Kirti Khandu Chatterjee
8	Rahin Akter	2024MBTMD045	Rahin Akter
9	Sayanmitra Ghosh	2024MBTMD008	Sayanmitra Ghosh
10	Bidisha Das	2024MBTMD006	Bidisha Das
11	Koyel Paul	2024MBTMD009	Koyel Paul
12	Sneha Das	2024BIOM0081	Sneha Das
13	Ashishna Sankar	2024MBTMD041	Ashishna Sankar
14	Trisha Chatterjee	2024MBTMD31	Trisha Chatterjee
15	Prityanka Pal	2024MBTMD015	Prityanka Pal
16	Saptaparna Kundu	2024MBTMD025	Saptaparna Kundu

Snapshots of Attendance Sheet

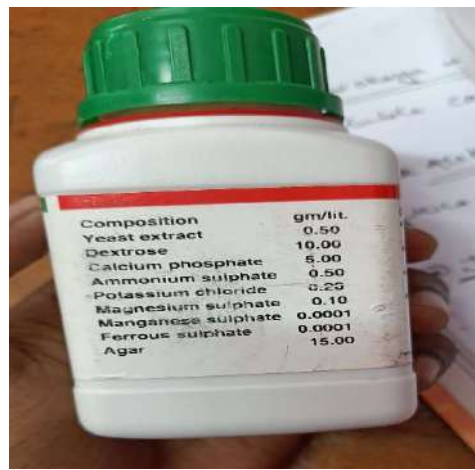
The theory and practical classes of the course were meticulously designed to provide detailed theoretical knowledge, hands-on training, and one-to-one student-teacher interactions. Dr. Abhishek Basu, Dr. Bibhas Bhattacharyya, Mrs. Manali Biswas, and Mrs. Sayantani Basu delivered a series of lectures on various topics, including Plant Growth Promoting Bacteria (PGPB), Rhizobium isolation, identification, mass multiplication, Mycorrhizal associations, VAM, Cyanobacteria (blue-

green algae), Azolla and Anabaena azollae associations, nitrogen fixation, and the roles of blue-green algae and Azolla in rice cultivation.



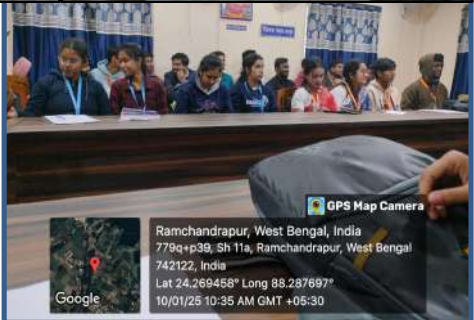
Study Material Shared to the Students

Rigorous practical sessions were conducted by Dr. Abhishek Basu, focusing on the preparation and sterilization of media, including Jensen's medium, Pikovskaya's agar, and Aleksandrow agar. These sessions also included the isolation of nitrogen-fixing, phosphate-solubilizing, and potassium-solubilizing bacteria from the soil.



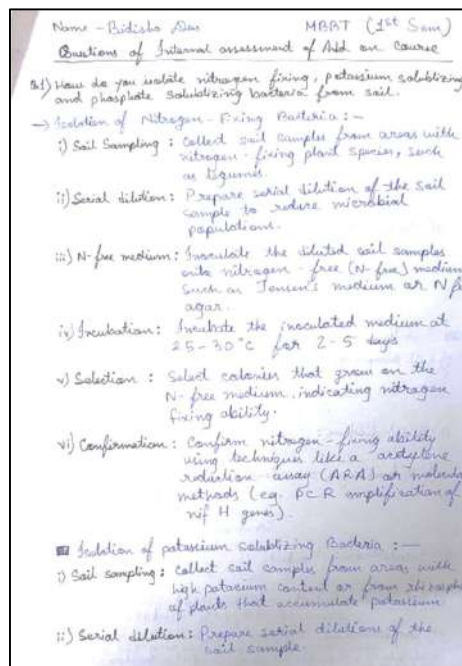
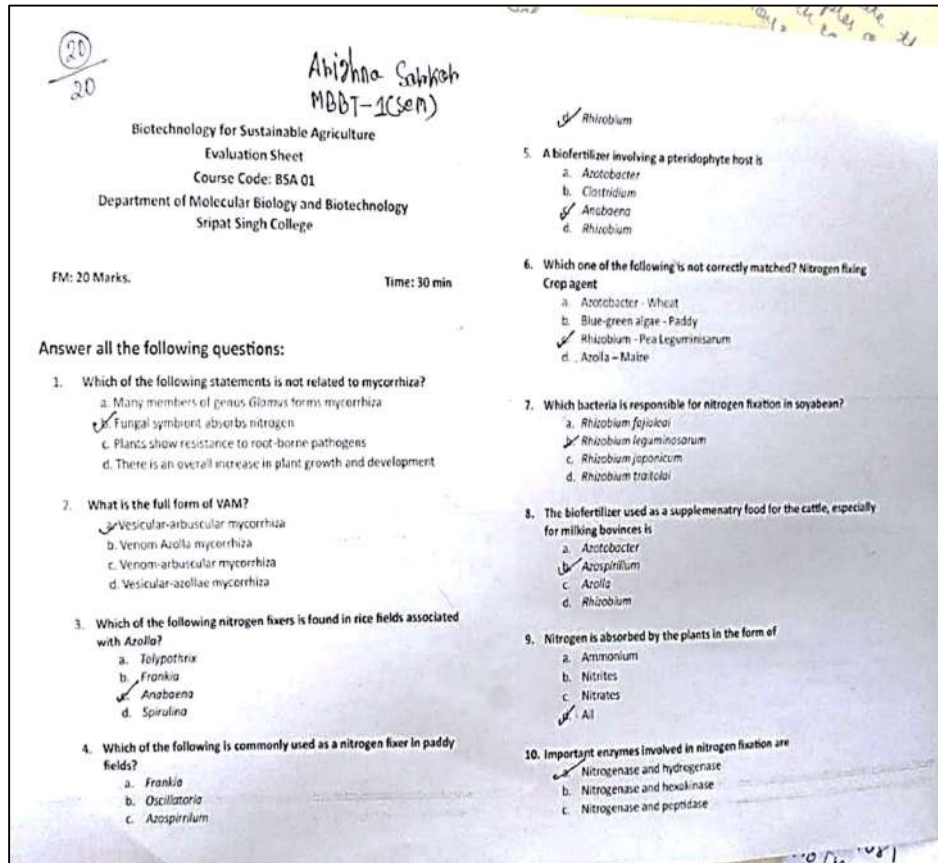
Some Glimpses of their Practical Classes

Additionally, students gained valuable experience in the preparation of biofertilizers using plant growth-promoting bacteria, as well as in studying plant growth promotion both in vitro and in pot culture with the use of bacterial biofertilizers in our departmental laboratory. They also familiarized themselves with the process of vermicompost production and further enriched their knowledge through a visit to an organic farm at Murshidabad Krishi Vigyan Kendra, Bhagabangola.



Field Visit to Organic Farm with Teachers

The students were evaluated based on their performance in MCQ tests and through assignments. Among the participants, Shreya Bhatta and Deb Naha were recognized as the joint best performer for their outstanding efforts. Course completion certificate was given to all the students.



Sample Pics of Their Assessments



Concluding Ceremony
of

Biotechnology for Sustainable Agriculture

organized by

Department of Molecular Biology & Biotechnology

In collaboration with

IQAC

Sripat Singh College

Jiaganj, Murshidabad

January
22
2025
WEDNESDAY **AT 1:30 P.M.**

Course Coordinator

Dr. Abhishek Basu, Assistant Professor (HOD)
Dept. of MBBT, SS College.

Joint Course Coordinator

Dr. Bibhas Bhattacharyya, Associate GLI
Dept. of MBBT, SS College.

Course Administrator

Ms. Debjani Mandal, Assistant Professor
Dept. of MBBT, SS College.

:Venue:

Rabindra
Sabhakaksha

In August presence of

Dr. Kamal Krishna Sarkar

Principal, Sripat Singh College

Dr. Sagar Simlandy

IQAC Coordinator, Sripat Singh College

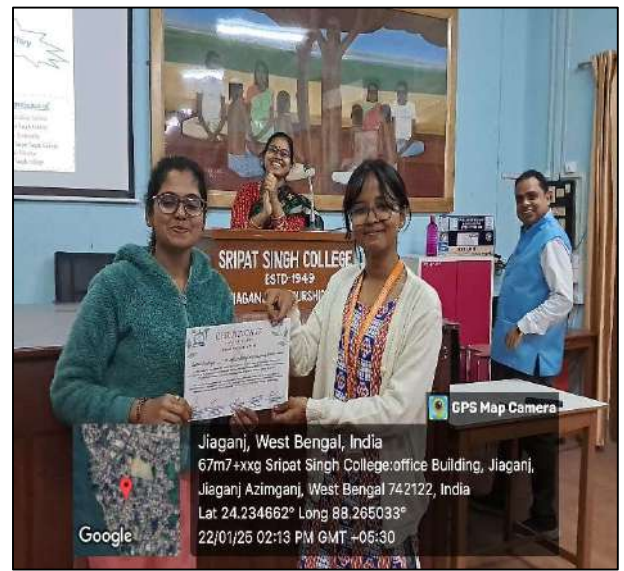
Dr. Mitali Tikadar

TCS, Sripat Singh college

Banner of Closing Ceremony



Sample Copy of The Certificate



Certificate Distribution to the Students

The students highly appreciated the classes and provided positive feedback about the Add on Course. They also demanded for more of such courses. The course ended with the valedictory session by Ms. Debjani Mandal.

Feedback of the Add-on Course
 During Concluding Ceremony
 on 22.01.2025 at 1:40 p.m.
 in Raktindra Subhakakola,
 Sripat Singh College

1. Hasanurrahman sk 2023BI0M0029 3rd sem -
 it's too good.
2. Palash sa. - 2023BI0M0046 - 3rd sem.
 very good.
3. Dip Laha - 2023BI0M0010 - 3rd sem
 very good.
4. Bikram Ghosh 2023BI0M0089 - 3rd sem
 Excellent
5. Md. Masum Hasan 2023BI0M0061 - 3rd Semester
 very excellent
6. Anisha Saha - 2024MBTM091 - 1st sem
 - Excellent
7. Md. Mustahid Hasan 2023BI0M0071 - 3rd sem
 -> Very very Nice
8. Trishita Chatterjee - 2024MBTM031 - 1st sem
 - a field experience indeed.

Net Sandhya 2024MBTM012
 Excellent

10. Anika Ghosh 2024MBTM008
 After doing the course I feel this will help me a lot in future to help others in need those who are related with biotechnology program.
11. Bidisha Das 2024MBTM006 Bidisha Das
 After doing the course I feel this will help me a lot in future to help others in need those who are related with biotechnology program.
12. Jyotirupa Mondal 2024MBTM025 Jyotirupa Mondal
 After doing the course I feel this will help me a lot in future to help others in need those who are related with biotechnology program.
13. Sujanka Pal 2024MBTM025 Sujanka Pal
 After doing the course I feel this will help me a lot in future to help others in need those who are related with biotechnology program.
14. Keyel Paul 2024MBTM009 Keyel Paul
 After doing the course I feel this will help me a lot in future to help others in need those who are related with biotechnology program.
15. Nisha Sanjan 2023BI0M0040 Nisha Sanjan
 The course is very helpful for us. we can use this in our future.
16. Anisha Saha 2023BI0M0005 Anisha Saha
 This course is very knowledgeable and helpful and we learn many things.
17. Anika Ghosh 2023BI0M0040 Anika Ghosh

The course gave us opportunity to learn and write experiences.

18. Sranya Bhattacha 2023BI0M0027 Sranya Bhattacha
 The course is very helpful for us. we can use this in our future.
19. Anika Ghosh 2023BI0M0040 Anika Ghosh
 This course is very knowledgeable and helpful and we learn many things.
20. Anika Ghosh 2023BI0M0040 Anika Ghosh
 This course is very knowledgeable and helpful and we learn many things.
21. Anika Ghosh 2023BI0M0040 Anika Ghosh
 This course is very knowledgeable and helpful and we learn many things.
22. Nandan Sinha 2024MBTM060 Nandan Sinha
 -> Magnificent to summarize in a word.
23. Rupa Khatoon 2024MBTM020 Rupa Khatoon
 -> Excellent
24. Hamida Sultana 2024MBTM008 Hamida Sultana
 -> This course was too good.
25. Anika Ghosh 2024MBTM058 Anika Ghosh
 -> This course was outstanding.

Valuable Feedbacks of Participants



Ms. Debjani Mandal, Course Administrator, delivering her valedictory speech

Course Outcomes:

- The program successfully enhanced students' understanding of biotechnological applications in sustainable agriculture.
- Participants gained practical experience in isolating nitrogen-fixing bacteria and preparing biofertilizers.
- The course included hands-on training and one-to-one student-teacher interactions.
- Practical sessions involved media preparation, vermicomposting, and visits to an organic farm.
- Students acquired skills and knowledge to tackle agricultural challenges using biotechnological solutions.