

## ABOUT THE INSTITUTION

**Biswanath College**, established in 1960 and is one of the premier higher educational institutions in Assam catering quality higher education in different streams, including Science. It emphasizes both academic study and practical training to prepare students for careers and further study in science and related fields. Biswanath College emphasis on practical science education by offering well-maintained labs, regular hands-on experiment sessions integrated with the curriculum, field-based learning in relevant subjects, and activities that foster scientific curiosity. These elements help students strengthen their understanding of scientific concepts, data collection skills, experimental methods, and research thinking - all key for science careers and higher studies.

## DBT STAR COLLEGE PROGRAM BISWANATH COLLEGE

The DBT STAR COLLEGE PROGRAM have been granted to Biswanath College from 2024. It is a significant initiative by the Department of Biotechnology (DBT), Govt. of India, aimed at enhancing science education at the undergraduate level. The Scheme strives at improving critical thinking and encouraging 'hands on' experimental science education at undergraduate level in basic science subjects. Biswanath College has conducted numerous workshops, lecture series and other activities to build analytical, problem-solving, and technical skills essential for academic and professional growth.

## ABOUT THE WORKSHOP

The "Workshop-cum-Hands-on- Training on Fundamental Techniques in Molecular Biology" focuses on molecular biology through interactive lectures, conceptual discussions, and hands on training of key molecular techniques. The activities are designed to strengthen understanding of fundamental molecular concepts, familiarize participants with essential laboratory methods, and connect basic science principles to research and practical applications. The workshop aims to build a strong foundation in molecular biology, enhance analytical and scientific thinking, and prepare participants for advanced studies and research.



DEPARTMENT OF BIOTECHNOLOGY  
MINISTRY OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA



# Workshop -cum- Hands-on Training on Fundamental Techniques in Molecular Biology (12-02-2026)

Organized by

Department of Zoology  
Department of Botany,  
Biswanath College

Under the aegis of

**DBT STAR COLLEGE PROGRAM  
GOVERNMENT OF INDIA**

in association with

**IQAC, BISWANATH COLLEGE**



**Dr. Chinta Mani Sharma**  
Principal & Chairperson  
DBT-STAR COLLEGE PROGRAM  
BISWANATH COLLEGE



(Resource Person)  
**Dr. Nima D. Namsa**  
Assistant Professor  
Molecular Biology and  
Biotechnology Department  
Tezpur University

## SESSION SCHEDULE

12-02-2026

TIMELINE: 9:00 to 5:00PM

**9:00 am- Registration**

### **Session 1 (9:00 am to 10:00 am)**

- Inauguration
- Introduction to Workshop
- Introduction to different Molecular Bio-techniques.

### **Session 2 (10:00 am to 1:00 noon)**

- Understanding the Molecular Biology laboratory practices and safety.
- Introduction to different molecular Bio-techniques.
- DNA isolation from soil/animal/plant

**Lunch Break (1:00 pm to 2:00 pm)**

### **Session 3 (2:0 pm to 4:00 pm)**

- Hands-on-Quantitative estimation of DNA
- Hands-on-Quantitative estimation of RNA
- Isolation of DNA from tissues and qualitative analysis by agarose gel Electrophoresis

**Tea Break (4:00 pm to 4:15 pm)**

### **Session 4 (4:15 pm to 5:00 pm)**

- Valedictory function



To,

The Principal

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Subject: - Invitation to Workshop-cum-Hands on training on  
Fundamental Techniques in Molecular Biology.

Sir/Madam,

We have the pleasure to inform you that a “**Workshop-cum-Hands on training on Fundamental Techniques in Molecular Biology**” will be organized by Department of Zoology and Department of Botany, Biswanath College, on 12-02- 2026 under the aegis of DBT-STAR COLLEGE PROGRAM in association with IQAC, Biswanath College.

In this regard, I cordially request you to send at least 05 student representatives from your Institution to the workshop. Anticipating your positive response.

With regards-

Sd/-

(Dr. Chinta Mani Sharma)  
Principal & Chairperson,  
DBT STAR COLLEGE PROGRAM  
Biswanath College

Dr. Naresh Thakur  
IQAC, Coordinator  
Biswanath College

Dr. Sunayana Goswami  
Coordinator,  
DBT STAR COLLEGE PROGRAM,  
Biswanath College

## ORGANIZING COMMITTEE

### “Workshop-cum-Hands on training on Fundamental Techniques in Molecular Biology”

**Chairperson:** Dr. Chinta Mani Sharma

**Advisors:** Mrs. Smriti Rekha Borah

Dr. Naresh Thakur

Dr. Arun Chaliha

Mr. Ajoy Kr. Dey

Dr. Biswajit Sarmah

**Convenors:** Dr. Sunayana Goswami

Dr. Nilofer Sheikh

**Coordinator:** Dr. Indira Sarma

**Joint Coordinator:** Miss Pallabika Dihingia

**Members:** Dr. Rahul Sarma

Dr. Rupjyoti Bharali

Mrs. Jinti Moni Das

Miss Dhitri Borah

Mrs. Luishma Bordoloi

### CONTACT US AT

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