

OFFICE OF THE PRINCIPAL
GOALPARA COLLEGE, GOALPARA

An ISO 9001:2015 Certified Institution

Affiliated to Gauhati University, Guwahati, Assam

The College is covered under Section 2(f) and 12(B) of the UGC Act, 1956

P.O. : Goalpara, Dist. : Goalpara, (Assam) Pin : 783101

Dr. Subhash Barman, M.A. Ph.D
Principal & Secretary
Goalpara College, Assam

Phone No : 03663-240046
Mobile No. : 7399002231
E-mail : goalparacollege55@gmail.com
Website : www.goalparacollege.ac.in

No : GC/

Date :

Add on certificate course
on
Training program on Basic techniques in molecular biology
From 17/08/2017 to 22/08/2017
Organised by: Department of Botany
Goalpara College
Goalpara, Assam

Biotech hub, Department of Botany, Goalpara College organized a 30 hours long certificate course on Training program on techniques in molecular biology. The certificate course was inaugurated by Prof. Jyotish Das, Principal (i/c) of Goalpara College, in presence of President governing body Goalpara college Dr. B K Nath. Inaugural Program was presided over by Dr. Someswar Rao, HoD, Department of Botany.

Course Description: Molecular biology pertains to studying the synthesis, regulation, and interaction of biomolecules like DNA, RNA, protein etc. Techniques in molecular biology require the integration of genetics and biochemistry. Knowledge of molecular biology techniques is crucial to understand cell biology, functional genomics, and plant biotechnology. Advancement in omics tools and the development of newer technologies such as gene editing has increased the demand for technically skilled human resources in biological sciences. This training course aims to provide basic theoretical and practical skills required for working in a molecular biology laboratory. Through this course participants will have the opportunity to use and familiarize themselves with essential laboratory techniques and equipments used in this field.

Course Objectives:

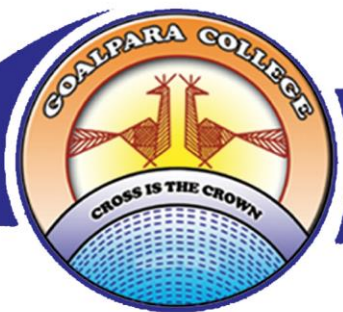
1. Understand basic principle and provide hands on training on basic tools used in understanding gene expression.
2. Interpret results generated using molecular biology tools and available datasets in functional genomics.
3. Understanding properties of various medicinal plant.

Course out comes:

Students will have hands on experience of

1. DNA isolation
2. Protein isolation

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3. Imaging of DNA
4. Idea of PCR techniques
5. Idea of medicinal plant

Program Schedule

17th August :: 2017

- 09.30 am: Inauguration Meeting
President: Prof. Jyotish Das,
Principal, i/c, Goalpara College
- 9.45 am: Welcome Address: Dr. S. Rao, Co-ordinator Advanced Biotech
Hub, Dept. of Botany, Goalpara College
- 10.00 am: Key note Lecture (Course Lecture I): Dr. Rajlakshmi Devi,
Associate Professor, IASST, Guwahati, Assam
Topic: Isolation of DNA from plant sample
- 12.00 noon: Laboratory Training Class-I
By Dr. Rajlakshmi Devi
- 01.30 pm: Lunch Break
- 02.00 pm: Resume of Laboratory Training Class-I
Dr. Rajlakshmi Devi

18th August :: 2017

- 10.00 am: Course Lecture II by Dr. Deep Prakash Saikia,
Assistant Professor
College of Veterinary, Khanapara, Guwahati
Topic: Imaging and documentation of DNA using Gel documentation system
- 11.30am Tea Break
- 12.00am Laboratory Training Class-II
By Dr. Deep Prakash Saikia
- 01.30pm Lunch Break
- 02.00pm: Resume of Laboratory Training Class-II

19th August :: 2017

- 10.00 am Course lecture III by Dr. Someswar Rao
Associate Professor, Department of Botany
Goalpara College
Topic: In-vitro screening of anti-oxidant properties of medicinal plants
- 12.00 am Laboratory Training Class-III
- 01:30 pm Lunch Break



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2.00 pm	Resume of Laboratory Training Class-III 20th August :: 2017
10.00 am	Course lecture Class-IV by Dr. Naba kumar Nath Research Associate College of Veternary, Khanapara, Guwahati. Topic: Amplification of DNA using PCR technique
12.00 am	Laboratory Training Class-IV
01:30 pm	Lunch Break
2.00 pm	Resume of Laboratory Training Class-IV 21st August :: 2017
10.00 am	Course Lecture V: by Dr. Dharmeswar Barman, Assistant Professor, Dept. of Botany, Goalpara College Topic: Methodoly of Herberium preparation
12.00 am	Laboratory Training Class-V by Dr. Dharmeswar Barman
01:30 pm	Lunch Break
2.00 pm	Resume of Laboratory Training Class-V 22nd August :: 2017
10.00 am	Course Lecture VI- by Dr. Dulal Ch. Baruah Dept. of Botany, Goalpara College Topic: Working principle & procedure of using PCR machine
12.00 am	Laboratory Training Class-VI
01:30 pm	Lunch Break
2.00 pm	Valediction and Certificate distribution Program

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Banner of the Add on certificate course

GOALPARA COLLEGE
CROSS IS THE CROWN
Estd. 1955

Biotech Hub, DBT, Govt. of India Sponsored

Add on certificate course entitled

**Training Program on Basic Techniques in
Molecular Biology**

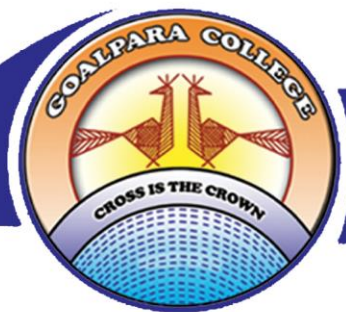
From 17/08/2017 to 22/08/2017

Organized by
Department of Botany
Goalpara College

#Course includes both theoretical
and Laboratory Class.
#For certificate 100% Class
attendance is must.

Venue: Department of Botany.
For more information Contact:
Dr. Someswar Rao, HoD, Dept. of Botany
Phn No.: 9435313290

सत्यमेव जयते
DEPARTMENT OF BIOTECHNOLOGY
GOVERNMENT OF INDIA



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Glimpses from the course



Dr. Rajlakshmi Devi Delivering key-note Lecture



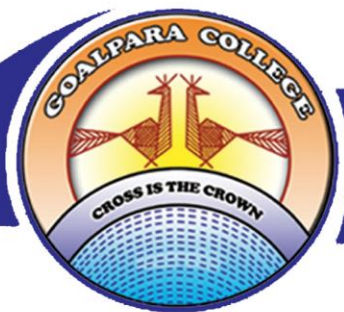
Dr. Deep Prakash Saikia Taking Laboratory Training Class



Students attending Laboratory Training Class



Dr. Naba Kumar Nath Taking Laboratory Training Class



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Certificate of the Course



**CERTIFICATE OF
COMPLETION**

This is to certify that

Mr./Ms.....of
department of of
has participated and successfully completed the DBT sponsored add on
certificate course entitled "Training Program on Basic Techniques in
Molecular Biology" held from 17th August 2017 to 22nd August 2017,
organised by department of Botany, Goalpara College

Jyotish Das
Principal, Goalpara College

Dr. Someswar Rao
HoD, Department of Botany