

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
“Hands on training on Molecular Biology”

6th April 2019 to 11th April 2019

Organised by: **Advanced Biotech Hub**

Department of Botany

Goalpara College

Goalpara, Assam

Brief report of the course: In order to train up young students for the field of molecular biology, the advanced Biotech hub of Department of Botany, Goalpara College organized a 30 hours long certificate course named “Hands on training on Molecular Biology” from 6th April 2019 to 11th April 2019. The certificate course was inaugurated by Prof. G C Sarma, Vice-Principal of Goalpara College. The inaugural Program was presided over by Dr. Someswar Rao, HoD, Department of Botany. Key-note address was delivered by Dr. Masum Ahmed, Ex- Vice Principal, Goalpara College. Throughout the program numbers of known scientist from different part of the nation participated as resource person. They were Dr. Ranjan Tamuli, Professor, Dept. of Biotechnology, IIT Guwahati, Dr. Rajib Gogoi, Scientist- E, Botanical Survey of India, Gangtok, Dr. Bhaben Tanti, Professor, Dept. of Botany, Gauhati University, Dr. Aminul Hussain, Ex JRF, The Energy & Resources Institute, New Delhi, Dr. Dulal Ch. Baruah, Assistant Professor, Dept. of Botany, Goalpara College. The Schedule of the program is attached in the next program. Total 88 numbers of students participated in the program.

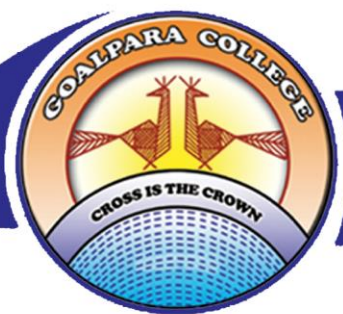
Course Description: Molecular biology pertains to studying the synthesis, regulation, and interaction of biomolecules like DNA, RNA, protein etc. Techniques in molecular biology require the integration of genetics and biochemistry. Knowledge of molecular biology techniques is crucial to understand cell 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 Objective:

To give idea to students

1. About different molecular tools used in Genome.
2. Genome sequencing.
3. Hands on training on PCR techniques.

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Course Outcomes

After Completion of the course students will be able to handle

1. PCR instrument
2. Gel-doc Instrument
3. Gel electrophoresis process
4. Cyclo Mixture unit

Course Schedule

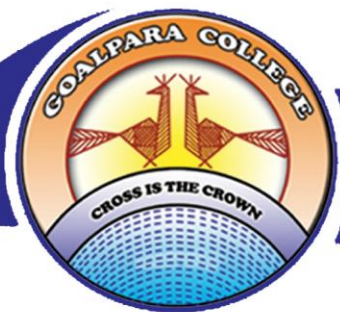
6th April, 2019 :: Saturday

- 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 Address: Dr. M. Ahmed,
Ex. Vice Principal, Goalpara College, Goalpara
- 10.30 am: Course Lecture I by Dr. Ranjan Tamuli, Professor
Dept. of Biotechnology, IIT Guwahati
Topic: Current Molecular Tools in Genomics
- 11.15 am: Course Lecture II by Dr. Rajib Gogoi
Scientist- E, Botanical Survey of India, Gangtok
Topic: Different tools and techniques used in Botanical survey
- 12.00 noon: Laboratory Training Class-I
By Dr. Ranjan Tamuli
- 01.30 pm: Lunch Break
- 02.00 pm: Laboratory Training Class-II
By: Dr. Rajib Gogoi

7th April 2019:: Monday

- 10.00 am: Course Lecture III by
Dr. Bhaben Tanti, Professor
Dept. of Botany, Gauhati University
Topic: Recent Trends in Molecular Biology
- 11.30am Tea Break
- 12.00am Resume of Course Lecture III by
Dr. Bhaben Tanti, Professor
- 01.30pm Lunch Break
- 02.00pm: Laboratory Training Class-III
by Dr. Bhaben Tanti

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Date :

8th April 2019: Tuesday

10.00 am Laboratory Training Class-IV
by Dr. Aminul Hussain
Ex JRF, The Energy & Resources Institute.
New Delhi

11.15 am: Tea Break

12.00 am Resume of Laboratory Training Class-IV

01:30 pm Lunch Break

2.00 pm Resume of Laboratory Training Class-IV

9th April 2019:: Wednesday

10.00 am Laboratory Training Class-V
by Dr. Aminul Hussain
Ex JRF, The Energy & Resources Institute.
New Delhi

11.15 am: Tea Break

12.00 am Resume of Laboratory Training Class-V

01:30 pm Lunch Break

2.00 pm Resume of Laboratory Training Class-V

10th April 2019:: Thursday

10.00 am Course Lecture IV by
by Dr. Dulal Ch. Baruah, Assistant Professor
Dept. of Botany, Goalpara College
Topic: Use of PCR in molecular biology

11.15 am: Tea Break

12.00 am Resume of Course Lecture IV by

by Dr. Dulal Ch. Baruah

01:30 pm Lunch Break

2.00 pm Laboratory Training Class-VI

by Dr. Dulal Ch Baruah

11th April 2019:: Friday

10.00 am Laboratory Training Class-VII
by Dr. Dulal Ch. Baruah
Dept. of Botany, Goalpara College

11.15 am: Tea Break

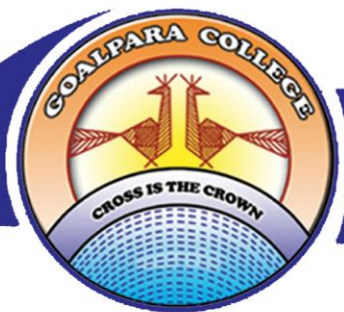
12.00 am Resume of Laboratory Training Class-VII

01:30 pm Lunch Break

2.00 pm Valediction and Certificate distribution Program

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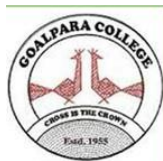
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Banner of the Add on certificate course on “Hands on training on Molecular Biology”



Add on certificate course entitled



सत्यमेव जयते
DEPARTMENT OF BIOTECHNOLOGY
GOVERNMENT OF INDIA

Hands on Training in Molecular Biology

From 06/04/2019 to 11/04/2019

Organized by

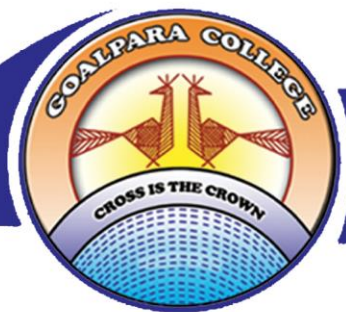
**Advanced Biotech Hub
Department of Botany
Goalpara College
Venue: Department of Botany**

Sponsored by

DBT, Govt. of India

For more information Contact:

Dr. Someswar Rao, HoD, Dept. of Botany
Phn No.: 9435313290



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Glimpses from the Program



Felicitation of Dr. Rajib Gogoi,
Scientist- E, Botanical Survey of
India, Gangtok, India



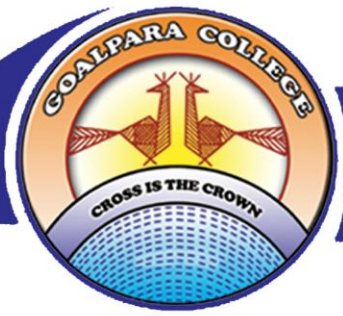
Prof. Bhaben Tanti, Dept. of Botany,
Gauhati University, delivering lecture



Some of the participant



Dr. Dharmeswar Barman, Assistant
Professor, delivering lecture



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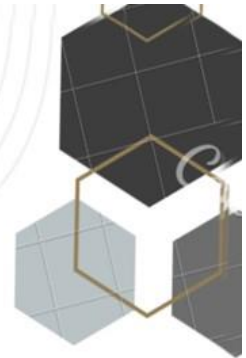
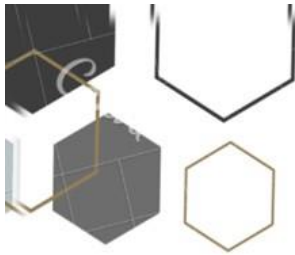
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Certificate of the Course From 6th April 2019 to 11th April 2019



This is to certify that

Mr./Ms.....of
department of of
has participated and successfully completed the DBT sponsored add on
certificate course entitled “**Hands on Training in Molecular Biology**”
held from 06th April 2019 to 11th April 2019, organised by department of
Botany, Goalpara College.

Jyotish Das
Principal, Goalpara College

Dr. Someswar Rao
HoD, Department of Botany