

# PANDIT DEENDAYAL UPADHYAYA ADARSHA MAHAVIDYALAYA, AMJONGA

Amjonga, Goalpara, Assam-783124

Ph: 9435849434, 9101187756

Email: [modelcollegeamjonga@gmail.com](mailto:modelcollegeamjonga@gmail.com)

Website: [www.pduamamjonga.ac.in](http://www.pduamamjonga.ac.in)



## FIRST CYCLE NAAC ACCREDITATION 2024

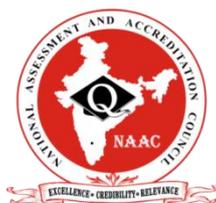
### CRITERION II

### (TEACHING-LEARNING AND EVALUATION)

### Key Indicator - 2.3

### Teaching Learning Process

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Bangalore, Karnataka, India

## 2.3.1 Student Centric Methods

### 2.3.1 (a) Experimental learning

Department of Botany

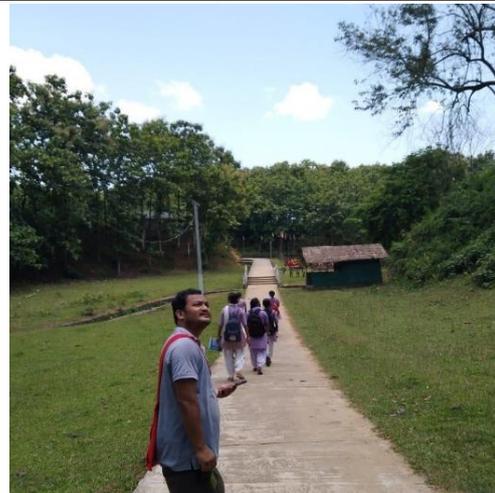
*Field Study*

#### 1. Educational excursion to Kahikuchi

Date: 5<sup>th</sup> to 7<sup>th</sup> May 2022



#### 2. Educational excursion to Sri Surya Pahar, Goalpara, Assam



  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

### 3. Field study at Ghagra Pahar, Rangjuli Assam

Date: 18<sup>th</sup> October 2022



  
Coordinator  
IDAC, POUAM, Amjonga  
Ghaipara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

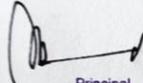
4. Educational excursion to Shergaon, West Kameng, Arunachal Pradesh from  
Date: 5<sup>th</sup> to 7<sup>th</sup> May 2022



5. Local field trip to Cocoa farm at Bhakuljuli, Rangjuli, Assam  
Date: 4<sup>th</sup> December 2022



  
Coordinator  
IDAC, POUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## 6. Educational excursion to Borduar Reserve Forest (Near Chandubi beel)

Date: 22<sup>nd</sup> March 2023



## Celebration of World Wetland Day 2023 at Padumpukhuri, Dudhnoi, Assam

Date: 2<sup>nd</sup> February 2023



**World Wetlands Day**  
2 February 2023  
It's time for wetland restoration

**Photography & Article Writing CONTEST**  
on the occasion of  
**World Wetland Day**  
2<sup>nd</sup> February, 2023  
Theme:  
Wetlands of Goalpara  
(গোৱালপাৰাৰ আৱঁড়ভূমি)

**Rules**  
(For photography)  
File size :  
2 MB (max)  
(For article)  
Word limit:  
1500 words  
(In Assamese or English)

**Submission :**  
Starts on : 02/02/2023  
Closing Date: 15/02/2023

Entry open for All students of PDUAM, Amjonga

Submit @ dept.botany.pduam@gmail.com  
Organised by:  
Department of Botany, PDUAM, Amjonga  
Watsapp No. : 9706739361/8811889146

Coordinator  
IQAC, PDUAM, Amjonga  
Goalpara-783124

Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Department of Chemistry

*Practical work*



  
Coordinator  
IDAC, POUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

*Field Study*

Field Trip to Rani, Kamrup, Assam

Date: 30/01/2021



*Industrial Tour*

Industrial Visit to Local Rubber Production and Processing Unit, Amjonga

Date: 06/02/2023



*Signature*  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-783124

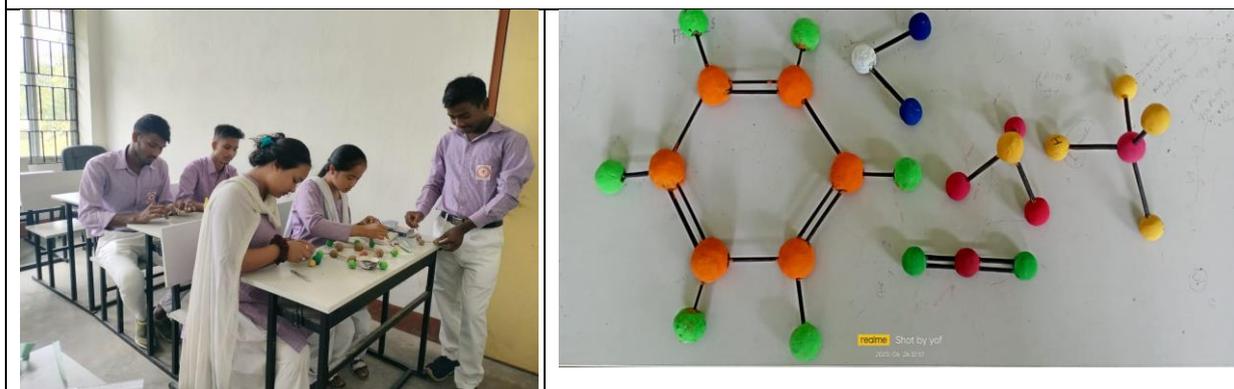
*Signature*  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Industrial Visit to Amit Aqua Private Limited, Darrangiri, Assam  
Date: 17/06/2023



*Preparation of Science Model*

Students of Chemistry department made three dimensional structures of some molecule by using ball and stick model



  
Coordinator  
IDAC, PDUAM, Amjonga  
Ghatpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Department of Computer Science

*Field Study*

Field Trip to Chanddubi, Kamrup, Assam

Date: 28/12/2020

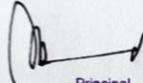


Field Trip to Ukiam, Kamrup, Assam

Date: 23/12/2021

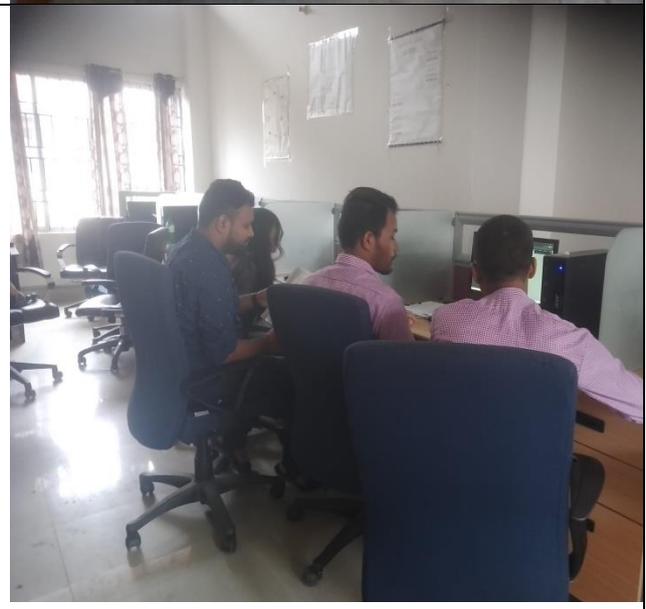
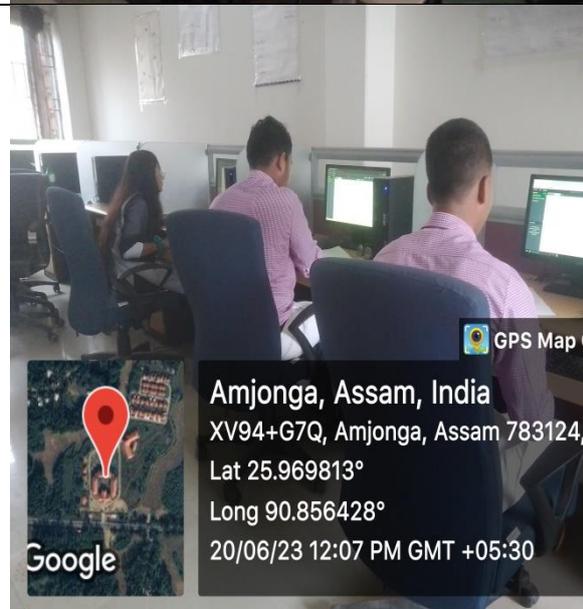
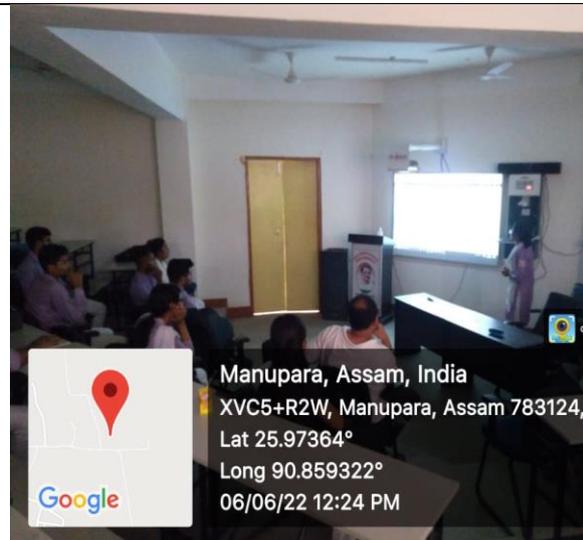


  
Coordinator  
IDAC, POUAM, Amjonga  
Ghatpara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Department of Mathematics

Students performing laboratory/practical work

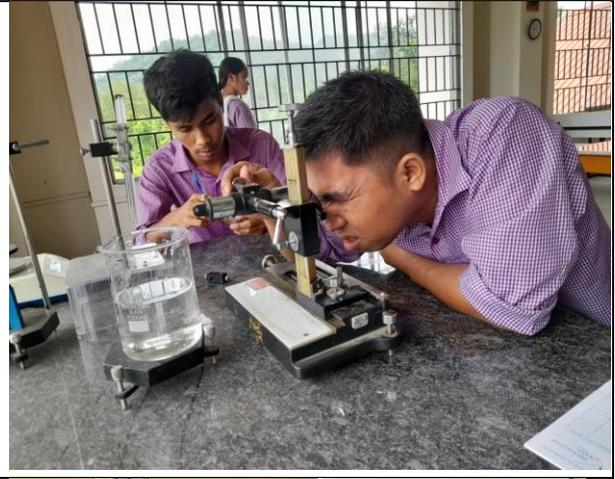


  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-783124

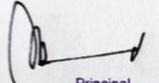
  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Department of Physics

Practical work



  
Coordinator  
IDAC, PDUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Educational Tour

Educational Tour to IIT Guwahati on 28/09/2019



## Preparation of Science Model

Name of the model: Wind Turbine

6<sup>th</sup> semester student Mr. Debarshi Narayan Baruah of Physics department demonstrated a science model to the school students of pahartali village



  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Department of Zoology

Field Study

Field trip to Pobitora National Park

Date: 21/10/2019



Field trip to Pobitora National Park

Date: 27/02/2021



  
Coordinator  
IDAC, POUAM, Amjonga  
Gholapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

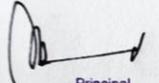
Field trip Deepor Beel  
Date: 26/12/2021



Field trip Kaziranga National Park  
Date: 22/10/2022 to 23/10/2022



  
Coordinator  
IDAC, POUAM, Amjonga  
Ghatpara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga



### 5. Field trip to Aquaculture and Biodiversity Centre, Gauhati University

Date: 16/03/2023



  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

6. Educational trip to Barduar Eri Khaj Utpadan Kendra and Borduar Reserve Forest  
Date: 22/03/2023



7. Students visited Bioinformatics Lab of J. N. College, Boko, Kamrup  
Date: 23/12/2021



Preparation of Science Model

Students made structure of the cell



  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-785124

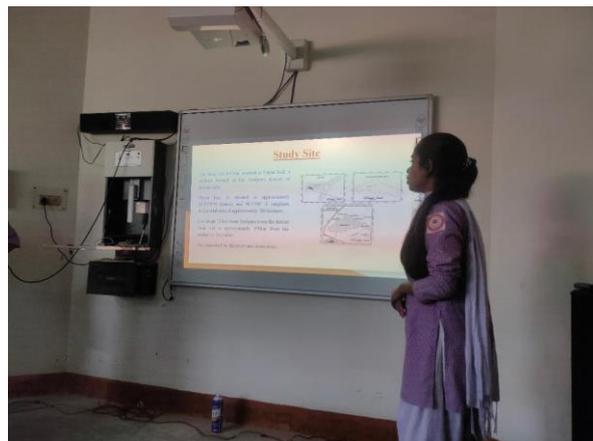
  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

### 2.3.1 (b) Participative learning

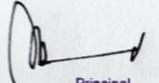
Department of Botany

Seminar presentation

#### Seminar Presented by Students



  
Coordinator  
IDAC, POUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

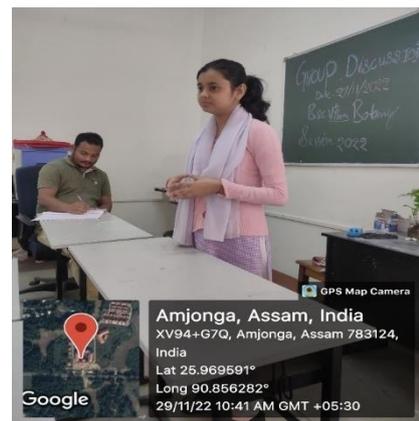
## Group discussion

Group Discussion among the students of B.Sc Fifth Semester (M)

Topics covered

- 1.Natural Resource Management (CBD, National Biodiversity Action Plan)
- 2.Plant Water Relationship
- 3.Polyembryony and Apomixis
- 4.Landscaping and garden design

Date: 29/11/2022



  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Soft Skill/Workshop/Awareness Program

Students participated in a “Soft Skill Development” programme organised by the department of Botany, in collaboration with IQAC, PDUAM, Amjonga

Date: 22<sup>nd</sup> October 2022

Resource Person: Mr. Manash Pratim Goswami



Students of the Department of Botany actively participated in an awareness program at PAHARTOLI VILLAGE on the topic " Importance of Plants and its Conservation" organised by the department of Botany, in collaboration with NSS, PDUAM, Amjonga

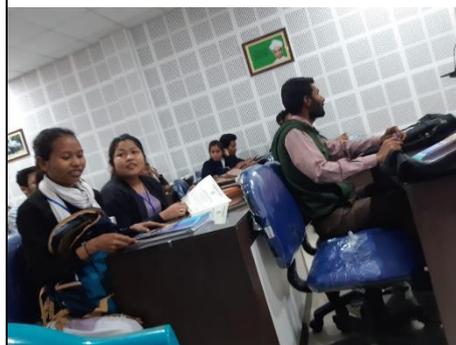
Date: 8<sup>th</sup> April 2023



  
Coordinator  
IQAC, PDUAM, Amjonga  
Ghaipara-783124

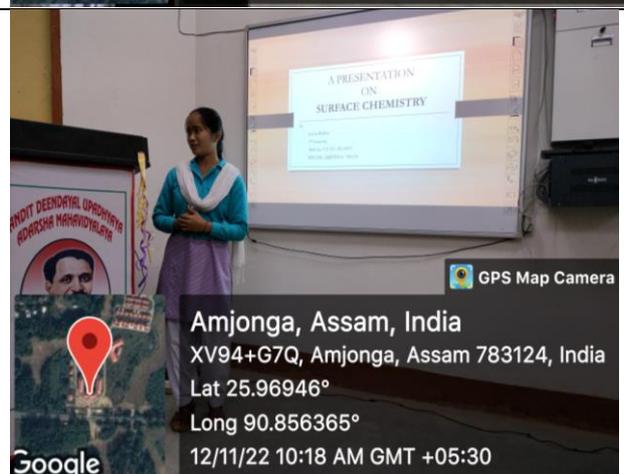
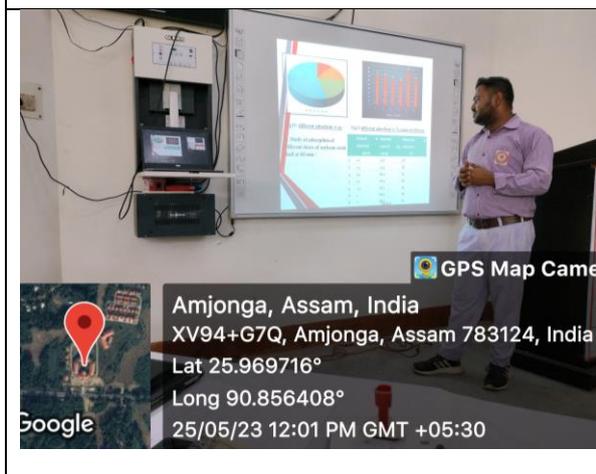
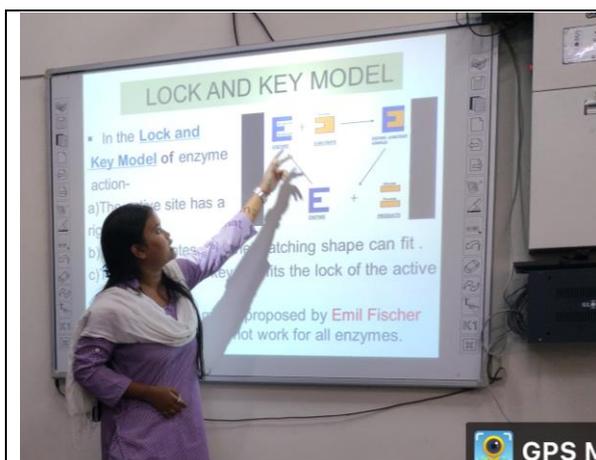
  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

B. Sc 5<sup>th</sup> semester students of Botany department participated in a Bioinformatics workshop organised by J. N College, Boko, Assam on March 2020



Department of Chemistry

Seminar presentation



*[Signature]*  
 Coordinator  
 IQAC, POUAM, Amjonga  
 Guahpara-783124

*[Signature]*  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga

## Group discussion

Topic: Plastic ban is practically possible/impossible



## Practice teaching



  
Coordinator  
IDAC, POUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Invited talk

Students participated on Invited Talk by Dr. Manash Lochan Das, Assistant Professor, Department of Chemistry, Dudhnoi College, Goalpara  
Topic: Evolution of Science and Concept of Atomic Structure  
18/01/2021



## Awareness Program

Awareness Program on Safe Drinking Water in Collaboration with NSS at Pahartoli Village, Amjonga  
Date: 06/04/2023



  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Preparation of wall magazines



## Department of Computer Science

### Seminar presentation



  
Coordinator  
IQAC, POUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Carrier counselling

Students participated in a talk on “Understanding Statistics”

Resource Person: Prof. Kishore Sinha, Dept of Statistics and Ex-Dean, Birsa Agricultural University, Ranchi

Date: 06/10/2018



Students participated in a talk on “Importance of Computer Learning and Computer Science in Career Building”

Resource Person: Dr Manoj Deka, Assistant Professor, Department of Computer Science, Bodoland University

Date: 22/06/2019



  
Coordinator  
IDAC, POUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Students participated in an Industry talks on "Higher studies options in Computer Science"  
 Resource Person: Dr Rubul Kr Bania, Dept of Computer Engineering, NEHU  
 Date: 22/04/2022



Students participated in an Industry talks on "Computer Science in Corporate Sector"  
 Resource Person: Mr Sudeep Dey, Lead data Engineer, Lowe's Technology, USA  
 Date: 22/10/2022



*[Signature]*  
 Coordinator  
 IQAC, PDUAM, Amjonga  
 Goalpara-783124

*[Signature]*  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga

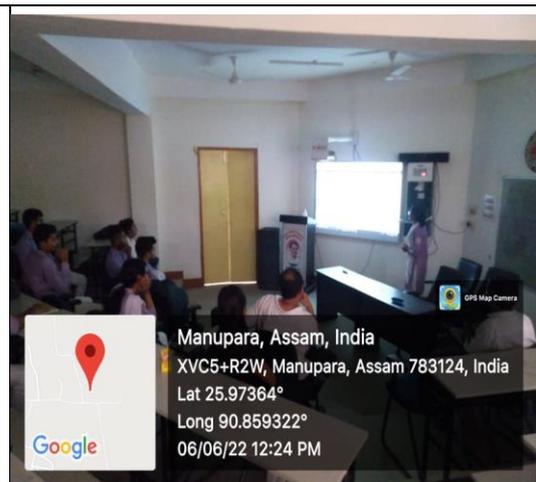
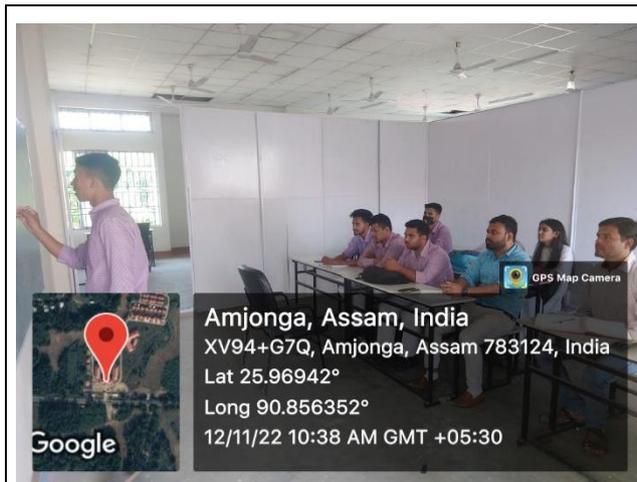
Students participated in a certificate course in Computer Applications

Date: 17/04/2023-28/04/2023



Department of Mathematics

Seminar presentation

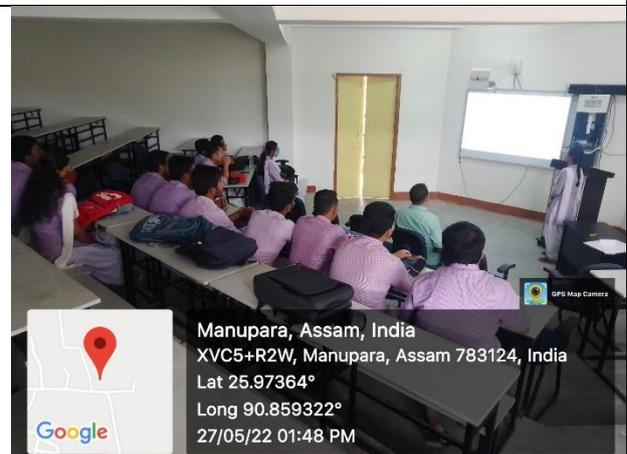
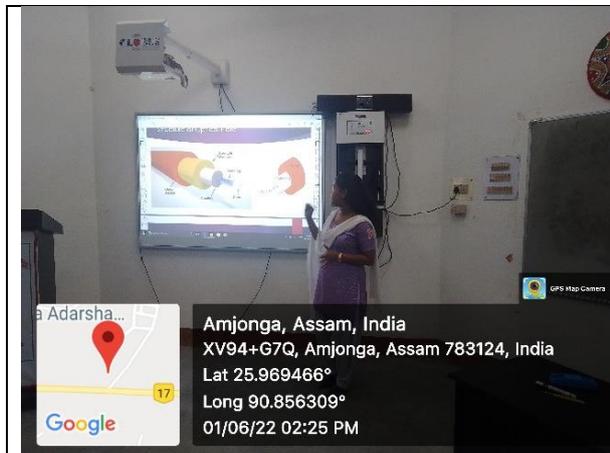


  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Department of Physics

### Seminar presentation



### Group discussion

Topic: Topic: Boundary condition: Reflection and transmission



  
Coordinator  
IDAC, PDUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Popular Talk

Popular Talk on photonics and its applications in modern society

03/02/2022

Resource Person: Dr. Sanchita Roy, Assistant Professor, Department of Physics, USTM

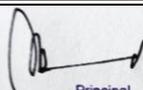


## Department of Zoology

Seminar presentation



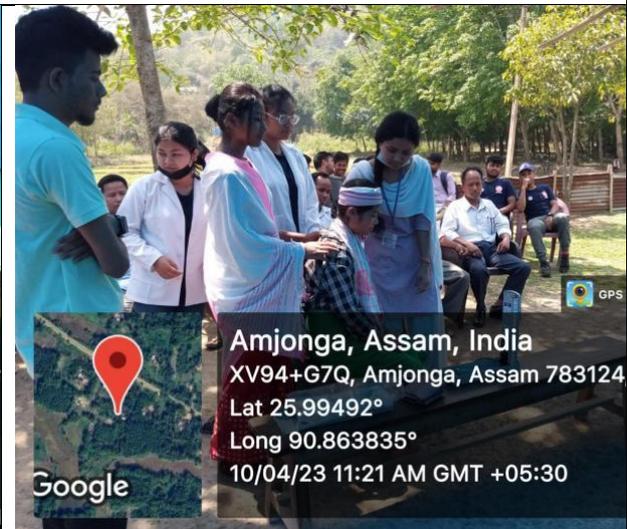
  
Coordinator  
IQAC, POJAM, Amjonga  
Goalpara- 783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Awareness Program

Awareness programme on “Snakebite” at Pahartoli, Amjonga

Date: 10/04/2023



## Workshop / Talk

Talk on “Advance Fish Culture and Fishery Techniques.”

Date: 17/12/2020

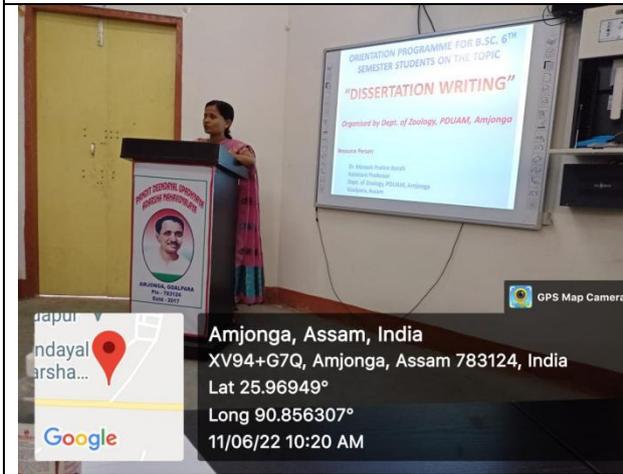
Resource person: Prof. Jogen Ch. Kalita, Dept. of Zoology, Gauhati University



  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Students participated in a programme on “Methods of writing Dissertation thesis/project report”  
Date: 11/06/2022



Talk on “Single Use Polythene (SUP), its hazards and our duty” and “Fishes and Fishery Industry”  
Date: 14/10/2022  
Resource person: Dr. Tapan Kalita, Associate Professor, Dept. of Zoology, Dudhnoi College  
Mr. Phulendra Kumar Sarma, Associate Professor and HOD, Dept. of Zoology, Dudhnoi College



*Tapan Kalita*  
Coordinator  
IQAC, POUAM, Amjonga  
Goaipara-783124

*Pandit Deendayal Upadhyaya*  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

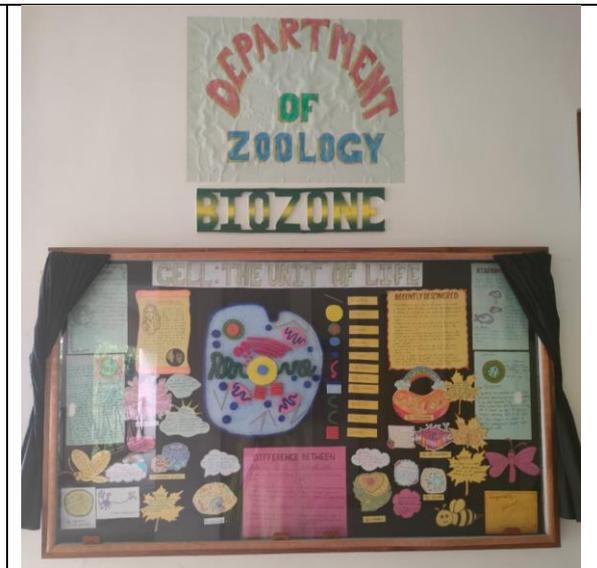
## Talk on “Fishes and Fishery Industry”

Date: 14/10/2022

Resource person: Dr. Tapan Kalita, Associate Professor, Dept. of Zoology, Dudhnoi College



## Preparation of wall magazines



  
Coordinator  
IDAC, PDUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Outreach and community services by NSS

Students actively participated in various in campus as well as outreach and community services organized by NSS, PDUAM, Amjonga



  
Coordinator  
IDAC, PDUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga



XV94+G7Q, Amjonga, Assam 783124, India  
 Amjonga  
 Assam  
 India  
 27°C  
 81°F  
 2022-10-31(Mon) 11:17(AM)



Amjonga, Assam, India  
 XV94+G7Q, Amjonga, Assam 783124, India  
 Lat 25.969541°  
 Long 90.856255°  
 27/09/22 10:29 AM



Amjonga, Assam, India  
 XV94+G7Q, Amjonga, Assam 783124, India  
 Lat 25.969125°  
 Long 90.856299°  
 05/06/23 10:33 AM GMT +05:30



Manupara, Assam, India  
 XVC4+G9F, Manupara, Assam 783124, India  
 Lat 25.970382°  
 Long 90.85606°  
 05/06/23 10:46 AM GMT +05:30



XV94+G7Q, Amjonga, Assam 783124, India  
 Amjonga  
 Assam  
 India  
 29°C  
 84°F  
 2022-10-21(Fri) 01:23(PM)



*[Signature]*  
 Coordinator  
 IQAC, PDUAM, Amjonga  
 Goalpara-783124

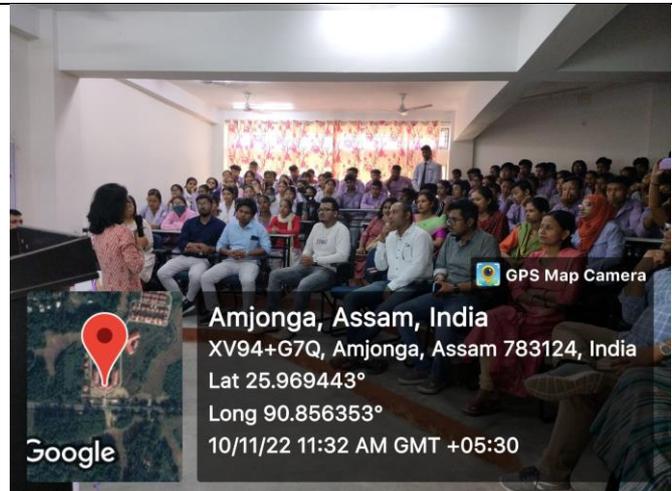
*[Signature]*  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga

## Awareness program by Anti-Sexual Harassment Cell

Students participated on workshop on “Prevention of Sexual Harassment” organized the anti-sexual harassment cell at PDUAM, Amjonga

Date: 10/11/22

Resource Person: Mrs. Nilanju Dutta, Project Consultant, North East Network



## Training/Awareness Program by Internal Complaints Committee

Girl students of PDUAM, Amjonga participated on a free training on Women Self Defence from 20/03/23 to 19/03/23 at college campus organized by the Internal Complaints Committee along with NSS and IQAC, PDUAM, Amjonga in collaboration with Matia Martial Art Academy

Instructor: Mr. Bitupan Kalita, President, Matia Martial Art Academy, Wushu State Judge, National kick boxing bronze medallist

Course Co-ordinator: Dr. Chandrama Sarkar, Presiding officer, ICC, PDUAM, Amjonga



  
Coordinator  
IQAC, PDUAM, Amjonga  
Ghatapara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga



Girl students participated in an awareness program regarding menstrual health and hygiene on the occasion of World Menstrual Hygiene Day at the college campus organized by the Internal Complaints Committee along with IQAC, PDUAM, Amjonga

Date: 31/05/23

Resource Person: Ms Angshumala Patgiri, Multi Skilled Counsellor, Civil Hospital, Goalpara



*Angshumala Patgiri*  
 Coordinator  
 IQAC, PDUAM, Amjonga  
 Goalpara- 783124

*Deendayal Upadhyaya*  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga

## Spoken English Course by Department of English

Students participated in thirty hours certificate course in “Spoken English and Communication Skills” from 18.04.2023 to 03.05.2023 organized by department of English



## Excursion program organized by college to Rajasthan

Under the “Ek Bharat Shrestha Bharat Scheme”, PDUAM Amjonga organized a students’ excursion to Rajasthan via Delhi from 1-8 October, 2019.



  
Coordinator  
IDAC, PDUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga



### Students' Participation in the celebration of World Environment Day

Students participated in drawing and slogan writing competitions on the theme "Solution to Plastic Pollution" on the occasion of World Environment Day on 5th June, organized by IIC in association with the NSS unit, PDUAM, Amjonga



*[Signature]*  
 Coordinator  
 IQAC, PDUAM, Amjonga  
 Goalpara-783124

*[Signature]*  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga

### 2.3.1 (c) Problem-Solving Methodologies

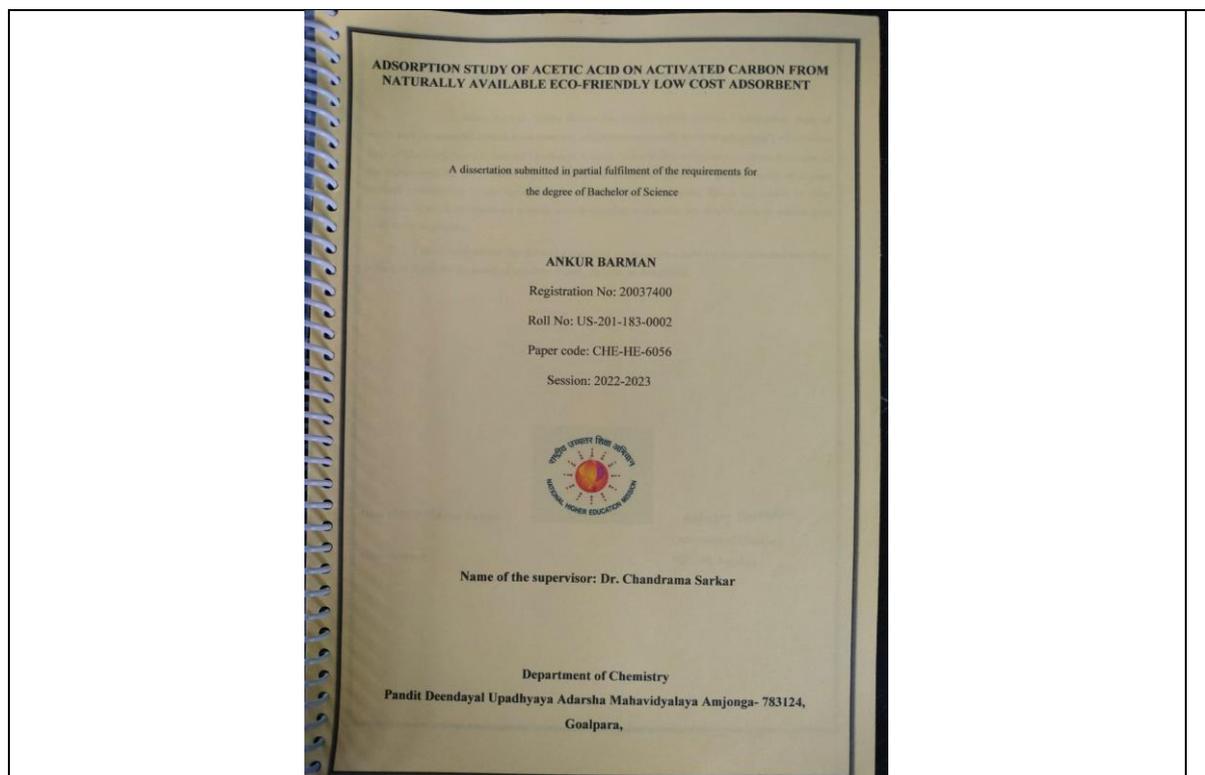
Department of Botany

Students studying the effect of light on the rate of transpiration



Department of Chemistry

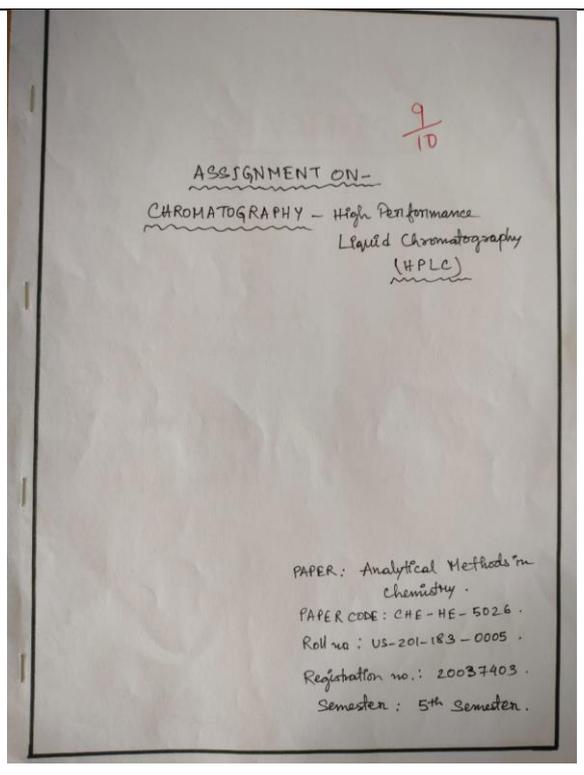
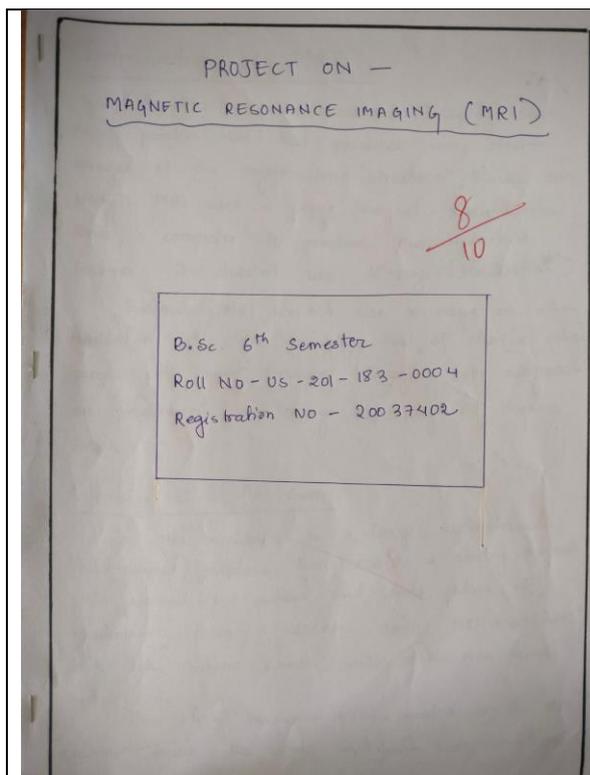
Project work



  
Coordinator  
IDAC, POUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Assignments



## Tutorial Classes for competitive exams

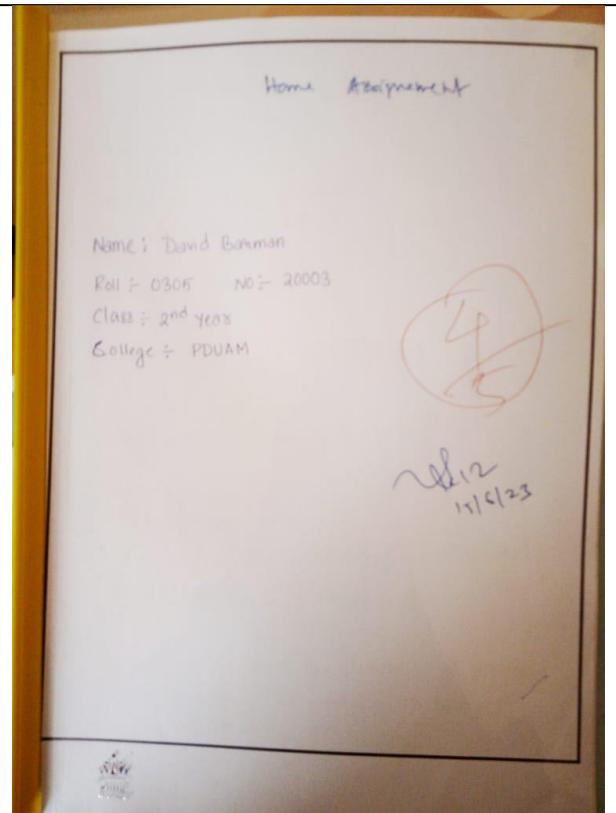
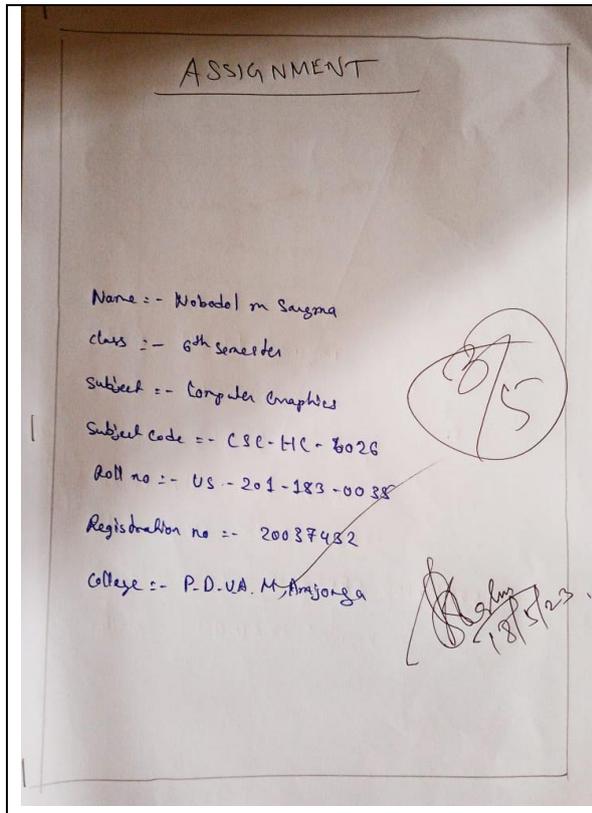


  
Coordinator  
IQAC, POUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Department of Computer Science

### Assignments



### 2.3.1 (d) Use of ICT tools

#### Department of Botany

Hands on training on tools and techniques of remote sensing and GIS application at Botany Laboratory

Date: 18<sup>th</sup> November 2022



*(Signature)*  
Coordinator  
IDAC, PDUAM, Amjonga  
Ghatapara-783124

*(Signature)*  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Department of Chemistry

Webinar/Seminar

Webinar on Career in Chemistry

Date: 11/12/2021

Resource person: Dr. Basanta Saikia, Postdoctoral Researcher, Max Planck Institute of Dynamics of Complex Technical Systems, Germany

Webinar on  
**Career in Chemistry**  
Organized by  
Department of Chemistry, PDUAM, Amjonga, Goalpara, Assam  
On 11<sup>th</sup> December (Saturday), 2022

Inaugural speech by *Dr Navajyoti Sarmah*, Principal, PDUAM, Amjonga

**Resource person:**  
*Dr. Basanta Saikia*  
Postdoctoral Researcher,  
Max Planck Institute of Dynamics of Complex Technical Systems, Germany

Platform  
Google Meet  
Link will be provided in time

Convenors:  
Dr. Chandrama Sarkar, Asst. Professor, Dept. of Chemistry, PDUAM, Amjonga  
Dr. Prasanta Gogoi, Asst. Professor, Dept. of Chemistry, PDUAM, Amjonga

Members:  
Dr. Upama Baruah, Asst. Professor, Dept. of Chemistry, PDUAM, Amjonga  
Dr. Mukul Kalita, Asst. Professor, Dept. of Chemistry, PDUAM, Amjonga

About this call

People Information

Add others

Share joining information

Search for someone in this call

In call

- Sudeep Dey (You)
- Dr Chandrama Sarkar  
Meeting host
- abhijit kalita
- Anjali Rabha
- Anuradha Rabha
- Anushuya Rajbongshi
- Ashikur Rahman
- Audaya Rabha
- You
- Babita Rabha

1:21 PM 76.4KB/s

ttc-fpcy-hta

Basanta You

Dr Chan... Jun 38 others

Internships are an excellent source of gaining hands on experience and knowledge about the recent developments in the field. For an undergrad some of the most sought after and esteemed internships/fellowship/trainings are:

- \*POCE (JNCASR) - A intensive program at JNCASR, again specifically for 1st year students. Application starts in February.
- \*SRP (TIFR) - For second year completed students, a summer research training program conducted by TIFR. Application deadline January end.
- \*IAS Summer Research Fellowship - Fellowship program at Indian Academy of Science. Application starts from September and ends in November. 30 Program is to be done during any 2 months of the year preferably in the summer.
- \*ISER Summer Research Program - 6 ISER offer summer research fellowship programs.

1:12

ttc-fpcy-hta

Basanta is presenting

Basanta Dr Chandra...

You Shaily 50 others

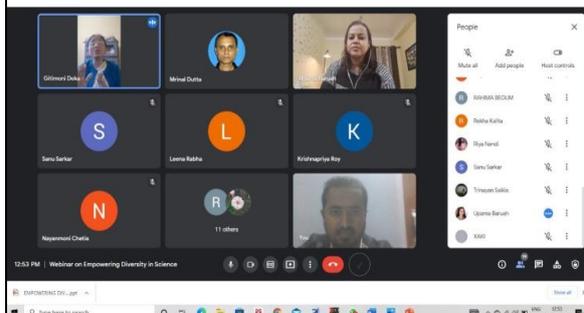
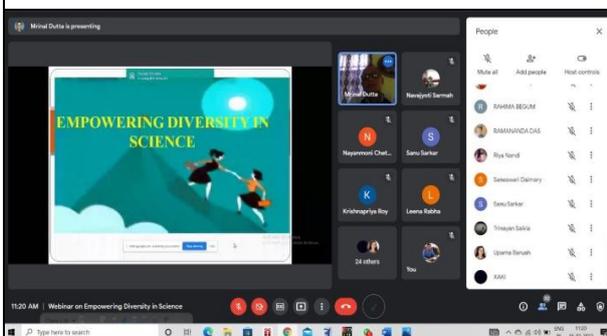
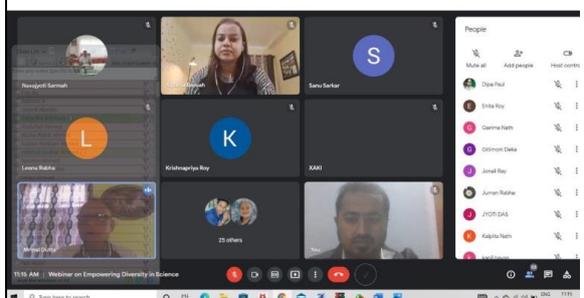
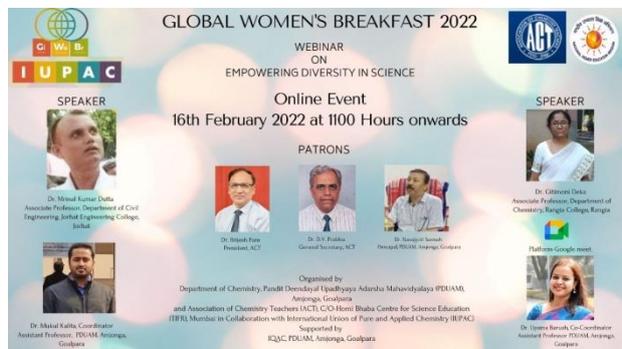
  
Coordinator  
IDAC, PDUAM, Amjonga  
Goalpara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

Students participated in the Global Women's Breakfast in online mode. The topic of the webinar was "Empowering Diversity in Science"

Date: 16/02/2022

Resource persons: Dr. Mrinal Kumar Dutta, Associate Professor, Dept. of Civil Engineering, Jorhat Engineering College, Jorhat and Dr. Geetimoni Deka, Associate Professor, Dept. of Chemistry, Rangia College.



### ICT Classes



*Mrinal Kumar Dutta*  
 Coordinator  
 IDAC, POJAM, Amjonga  
 Goalpara-783124

*Geetimoni Deka*  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga



### Online Classes during Covid-19 pandemic

Due to the restrictions imposed by the Covid-19 pandemic, the regular classes for HS, B.Sc (Major + Pass Course) were conducted in online mode using various platforms like Google Meet, Zoom by sharing You Tube link of self-recorded videos, Power point presentations, Assignments and notes on WhatsApp groups.

### Online live classes by using white board over Zoom



  
Coordinator  
IDAC, POUAM, Amjonga  
Ghatapara-785124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Online live classes by using power point presentation over Zoom

11:52

Zoom Leave

---

### Magnetic properties

- No unpaired electrons — diamagnetic
- $f$  and  $f^2$  are diamagnetic
- All others  $f$  states are paramagnetic
- The magnetic moment can be calculated by:
 
$$\mu_{\text{spin}} = \sqrt{4S(S+1)} \text{ (L=1)}$$

$S$ : resultant spin quantum no and  $L$ : resultant orbital quantum no

$$\mu = g \sqrt{J(J+1)}$$

11:25

### Colour

Many trivalent ions are coloured

Colours arises from  $f-f$  transitions

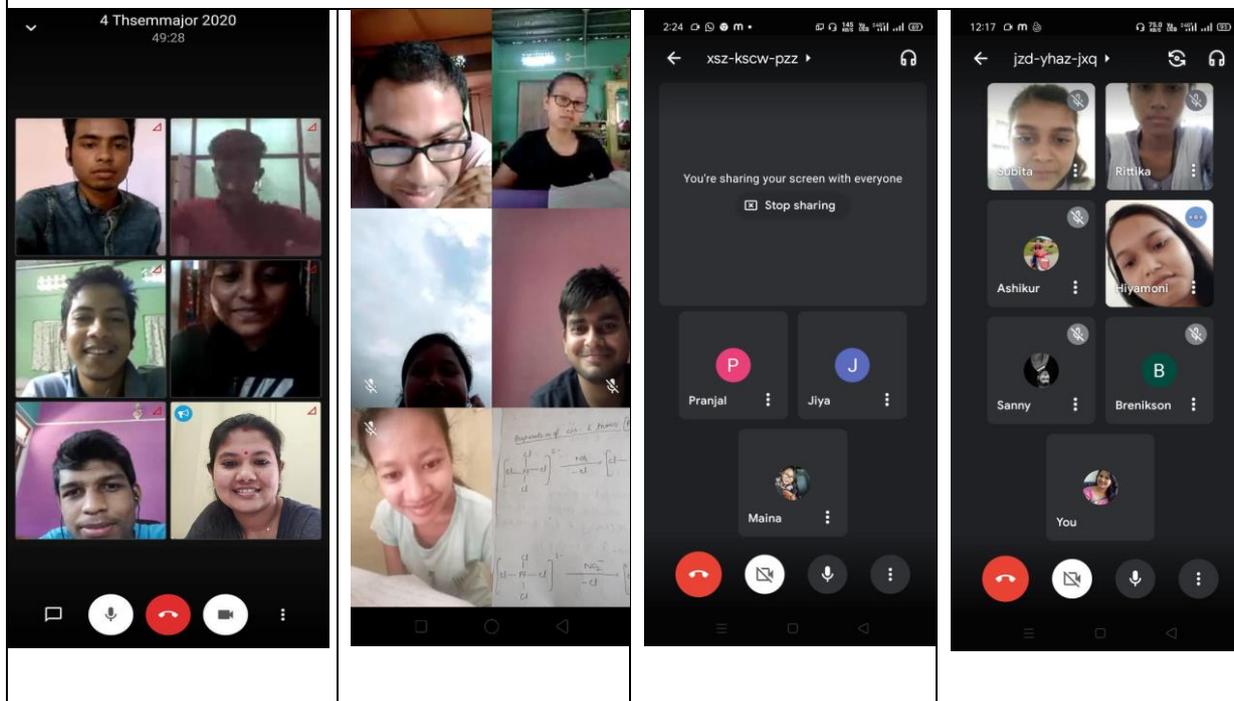
Symbol	No. of f e	Colour	Symbol	No. of f e	Colour
$\text{La}^{3+}$	0	Colourless	$\text{Tb}^{3+}$	8	Pale pink
$\text{Ce}^{3+}$	1	Colourless	$\text{Dy}^{3+}$	9	Yellow
$\text{Pr}^{3+}$	2	Green	$\text{Ho}^{3+}$	10	Pale Yellow
$\text{Nd}^{3+}$	3	Lilac	$\text{Er}^{3+}$	11	Pink
$\text{Pm}^{3+}$	4	Pink	$\text{Tm}^{3+}$	12	Pale green
$\text{Sm}^{3+}$	5	Yellow	$\text{Yb}^{3+}$	13	Colourless
$\text{Eu}^{3+}$	6	Pale pink	$\text{Lu}^{3+}$	14	Colourless
$\text{Gd}^{3+}$	7	Colourless			

chandrama sarkar's screen

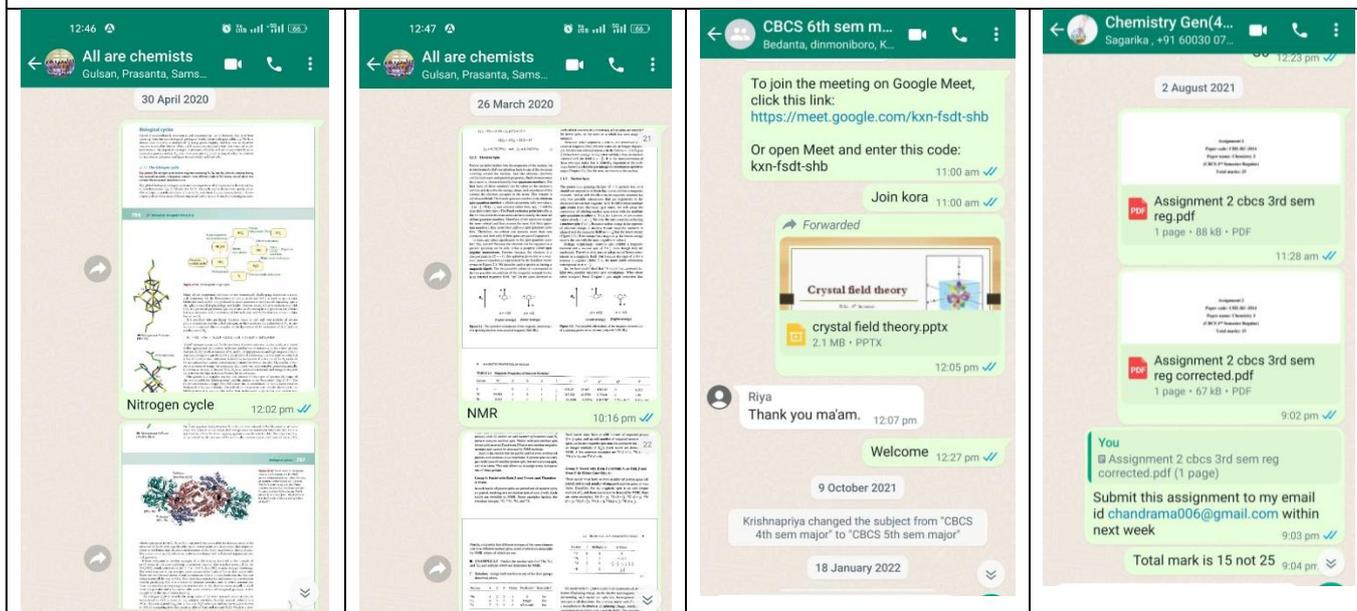
  
 Coordinator  
 IQAC, PDUAM, Amjonga  
 Gopalpara-785124

  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga

## Live classes over Google meet/Zoom



## Sharing study materials on WhatsApp groups



*Signature*  
 Coordinator  
 IQAC, POUAM, Amjonga  
 Ghatapara-785124

*Signature*  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga

You Tube links of self-recorded videos:

SI No.	You Tube links of self-recorded videos of Dr. Prasanta Gogoi	You Tube links of self-recorded videos of Dr. Chandrama Sarkar
	<a href="https://youtu.be/_y7aLKa6FqI">https://youtu.be/_y7aLKa6FqI</a>	<a href="https://youtu.be/5fqQa267_o8">https://youtu.be/5fqQa267_o8</a>
	<a href="https://youtu.be/SfTIJvG_aDQ">https://youtu.be/SfTIJvG_aDQ</a>	<a href="https://youtu.be/VB_0Yu0zOdw">https://youtu.be/VB_0Yu0zOdw</a>
	<a href="https://youtu.be/9RWFzGRPYzM">https://youtu.be/9RWFzGRPYzM</a>	<a href="https://youtu.be/9EpK6s19-xQ">https://youtu.be/9EpK6s19-xQ</a>
	<a href="https://youtu.be/_Q2bDt5BFk0">https://youtu.be/_Q2bDt5BFk0</a>	<a href="https://youtu.be/OkcO8KOOZLI">https://youtu.be/OkcO8KOOZLI</a>
	<a href="https://youtu.be/oOWJPgXvuTg">https://youtu.be/oOWJPgXvuTg</a>	<a href="https://youtu.be/eo24M03Mj9M">https://youtu.be/eo24M03Mj9M</a>
	<a href="https://youtu.be/JpDQNmMR3VU">https://youtu.be/JpDQNmMR3VU</a>	<a href="https://youtu.be/zIHvhmnJTCE">https://youtu.be/zIHvhmnJTCE</a>
	<a href="https://youtu.be/7AEQJOLdIN4">https://youtu.be/7AEQJOLdIN4</a>	<a href="https://youtu.be/JuLqcyIFQvQ">https://youtu.be/JuLqcyIFQvQ</a>
	<a href="https://youtu.be/vb7DNKUEy-I">https://youtu.be/vb7DNKUEy-I</a>	<a href="https://youtu.be/Ov90iXptrpA">https://youtu.be/Ov90iXptrpA</a>

Department of Computer Science

Online competitions

Students participated in a National Level e-Quiz on “Advances in Computer Science and Information Technology” from 11<sup>th</sup> July to 12<sup>th</sup> July, 2020.

**Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya**  
AMJONGA, GOALPARA, ASSAM-783124

**National Level e-QUIZ ON  
ADVANCES IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

Date: July 11-12, 2020

Organized by: Department of Computer Science

To Participate in the E-Quiz copy the below link and paste in Google Chrome browser. It will remain active on 11<sup>th</sup> & 12<sup>th</sup> July, 2020 only

<https://forms.gle/3pM1Lh1wV07zwG7>

**\*\*E-Certificate will be issued to the participants who score 40% or above**

Website: [www.pduamjonga.ac.in](http://www.pduamjonga.ac.in)

Email	Full Name	Other Identifier	Other Identifier 2	Total Score	Percent Score	Passed?	Certificate ID
# gmail.com	Subhomoy Dey	faculty	9707011596	48	96.0%	TRUE	CE000011
# ail.com	Rajbongshi	faculty	PDUAM, Amjonga	46	92.0%	TRUE	CE000012
# viji210@gmail.com	P.V.Vijaya Durga	faculty	Technology	44	48.0%	TRUE	CE000013
# 043@gmail.com	Harshdeep Agarwal	student	Academy	24	88.0%	TRUE	CE000014
# de@gmail.com	Pandurang Gade	faculty	College	44	88.0%	TRUE	CE000015
# mail.com	Chattopadhyay	faculty	For Teachers'	42	84.0%	TRUE	CE000016
# gmail.com	Sushil Kumar	research scholar	NIU	36	72.0%	TRUE	CE000017
# mail.com	DHANJYOTI NATH	student	Upadhyaya	46	92.0%	TRUE	CE000018
# @depd.gov.ph	DUMALAOG	faculty	ELEMENTARY	36	72.0%	TRUE	CE000019
# .com	Dipak Simlia	student	Academy	10	20.0%	FALSE	
# s.org	Saurabh Kumar	faculty	Invertis university	36	72.0%	TRUE	CE000010
# mail.com	Bikash Ch Das	other	J N Collage, Boko	20	40.0%	TRUE	CE000011
# mail.com	Kamala Das	faculty	Barbil, Keonjhar,	40	80.0%	TRUE	CE000012
# .com	Mokibur Islam	student	Vidyalaya	36	72.0%	TRUE	CE000013
# om	P.Rajeswari	faculty	INSTITUTE OF	28	56.0%	TRUE	CE000014
# mail.com	pahari	other	Barbil college barbil	48	96.0%	TRUE	CE000015
# com	Ariful Islam	student	vidyalaya dudhnoi	14	28.0%	FALSE	
# mail.com	Julfikar Jtu rahman	student	upadhyaya adarsha	38	76.0%	TRUE	CE000016
# ail.com	Vinodhini S	faculty	school, Pollachi	28	56.0%	TRUE	CE000017
# @gmail.com	MANOJ.B	student	Dr.snsrscas Dr.SNS	22	44.0%	TRUE	CE000018

Coordinator  
IDAC, PDUAM, Amjonga  
Goalpara-783124

Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

	A	B	C	D	E	F	G	H
1	T	7-12-2020 0:57:31	lanneithem1998@gmail.com	48 / 50	Lanneithem Vaiphei student	North Eastern Hill University, Tura Campus	9366354591	At.1. What is
789		7-12-2020 0:57:36	jt7054056@gmail.com	46 / 50	JAIME ELIZABETH G. student	Manila Cathedral School	09387819580	American St
790		7-12-2020 0:57:55	arupk.b@gmail.com	46 / 50	ARUP KUMAR BHATT/faculty	RCC INSTITUTE OF INFORMATION TECHNOLO	9231894349	American St
791		7-12-2020 0:58:30	ygtraghav@gmail.com	34 / 50	Yogita yashveer Ragha faculty	K R Mangalam University	8718431431	American St
792		7-12-2020 0:59:45	dhanuveni1@gmail.com	40 / 50	Maruhaveni Veni R faculty	Dr.SNS Rajalakshmi College of Arts and Scienc	08508736045	American St
793		7-12-2020 1:04:49	rahubania91@gmail.com	46 / 50	Rahul Bania faculty	Tezpur College	9706356482	American St
794		7-12-2020 1:04:57	jayashiroog7@gmail.com	12 / 50	Jayashri Roogi other	R. M. Shah Public School indi.	7795153176	American St
795		7-12-2020 1:06:00	shantipriya416@gmail.com	36 / 50	Shanti Priya Basumatar student	Bodoland University	9365296526	American Su
796		7-12-2020 1:06:50	ritu.shri23@gmail.com	32 / 50	Ritu Shrivastava student	Raja Balwant Singh College Agra	8881969279	American St
797		7-12-2020 1:08:06	preethirajkumari85@gmail.com	42 / 50	Preethi.K student	Rathinam college of Arts and science	9952535246	American St
798		7-12-2020 1:08:40	nipungupta47@gmail.com	24 / 50	Nipun Mahotra student	PG college Rajouri	9018958003	American St
799		7-12-2020 1:09:24	themz1996@gmail.com	50 / 50	Lanneithem Vaiphei student	North Eastern Hill University, Tura Campus	8794177482	American Su
800		7-12-2020 1:11:53	shielamarienechanez95@gmail.c	42 / 50	Shiela Marie C. Echane student	Pamantasan Ng Lungsod Ng Marikina	09059512083	American St
801		7-12-2020 1:13:49	manpreetbloom@gmail.com	40 / 50	MANPREET KAUR student	Mahadevi institute technology	9528441002	American St
802		7-12-2020 1:18:44	victorfan17@gmail.com	18 / 50	Amish Biswas student	St Xavier's College,Kolkata	9875395965	American St
803		7-12-2020 1:19:25	srikanthrathod999@gmail.com	34 / 50	Srikanth Ramu Rathod faculty	R. M. Shah Public school Indi, Vijayapur, Kamat	9164849444	American St
804		7-12-2020 1:21:33	manobsaikia518@gmail.com	40 / 50	Madhurjya Borah student	Aarohan Academy, Kajojan,Jorhat, Assam	08876671208	American St
805		7-12-2020 1:22:12	niranjankeleg2@gmail.com	10 / 50	Niranjan Keleg other	PDUAM,AMJONGA	7002695851	American St
806		7-12-2020 1:22:14	sonalishelar226@gmail.com	14 / 50	Sonali somnath shelar student	T. c collage baramati	9561359692	American St
807		7-12-2020 1:24:55	irishclairdejessus97@gmail.com	46 / 50	Irish Claire L. De Jesus student	SHS/Manila Cathedral School	09469012395	American St
808		7-12-2020 1:24:59	barushsushmita585@gmail.com	50 / 50	Sushmita Baruah student	Arya Vidyaapeeth College	7099514179	American St
809		7-12-2020 1:26:36	manikkaita42453@gmail.com	32 / 50	Manik kalita student	College	8638711315	American St
810		7-12-2020 1:26:45	pbshanti9@gmail.com	50 / 50	Shanti Priya Basumatar student	Bodoland University	7576852927	American St
811		7-12-2020 1:27:04	miteshshri007@gmail.com	24 / 50	Mitesh Srivastav student	Gandhi Faiz-e-aam College Shahjahanpur	8881295831	American St
812		7-12-2020 1:28:28	barushpillsmitia@gmail.com	50 / 50	Pillsmitia baruah student	Tipital high school	7099454928	American St
813		7-12-2020 1:28:46	gourangabordoloi@gmail.com	36 / 50	Gouranga Bordoloi student	Kakojan College, Jorhat	6000549091	American St
814		7-12-2020 1:28:50	nankaiamaranncollage@nmz	38 / 50	Pankai Pratim Baruah faculty	Kamarnaan	07002413261	American St
815								

## Department of Mathematics

### Online Classes

#### Online Class Record

B. Sc. 2<sup>nd</sup>/4<sup>th</sup>/6<sup>th</sup> Sem Online class routine

Sub: Mathematics

Days	2 <sup>nd</sup> Sem	4 <sup>th</sup> Sem	6 <sup>th</sup> Sem
Monday	SIK		PJD
Tuesday		PJD	SIK
Wednesday	PJD	SIK	
Thursday	PJD		SIK
Friday		SIK	PJD
Saturday	SIK	PJD	

Department of Mathematics  
PDUAM, Amjonga

CS Scanned with CamScanner

#### ONLINE CLASS ROUTINE

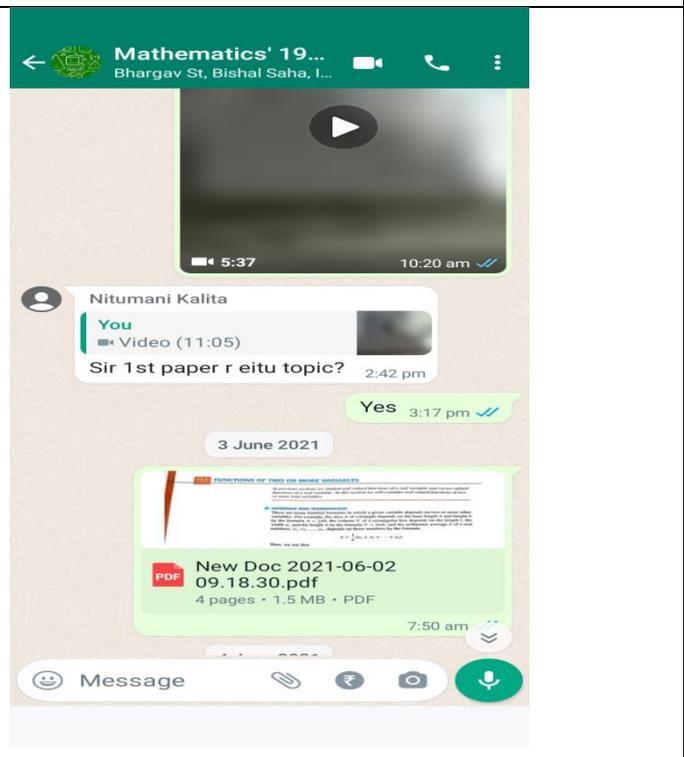
Subject: Major Classes only  
w.e.f the 27<sup>th</sup> May, 2021

Day	2 <sup>nd</sup> Semester	4 <sup>th</sup> Semester	6 <sup>th</sup> Semester
	9:00am- 9: 45am	10.00am -10-45am	11-00am-11-45am
MONDAY	Chemistry	Botany	Zoology
TUESDAY	Physics	Mathematics	Com. Sc
WEDNESDAY	Zoology	Chemistry	Mathematics
THURSDAY	Com, Sc	Zoology	Physics
FRIDAYDAY	Mathematics	Physics	Botany
SATURDAY	Botany	Com. Sc	Chemistry

*P. Deendayal Upadhyaya*  
Principal  
PDUAM, Amjonga  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya  
Amjonga, Goalpara

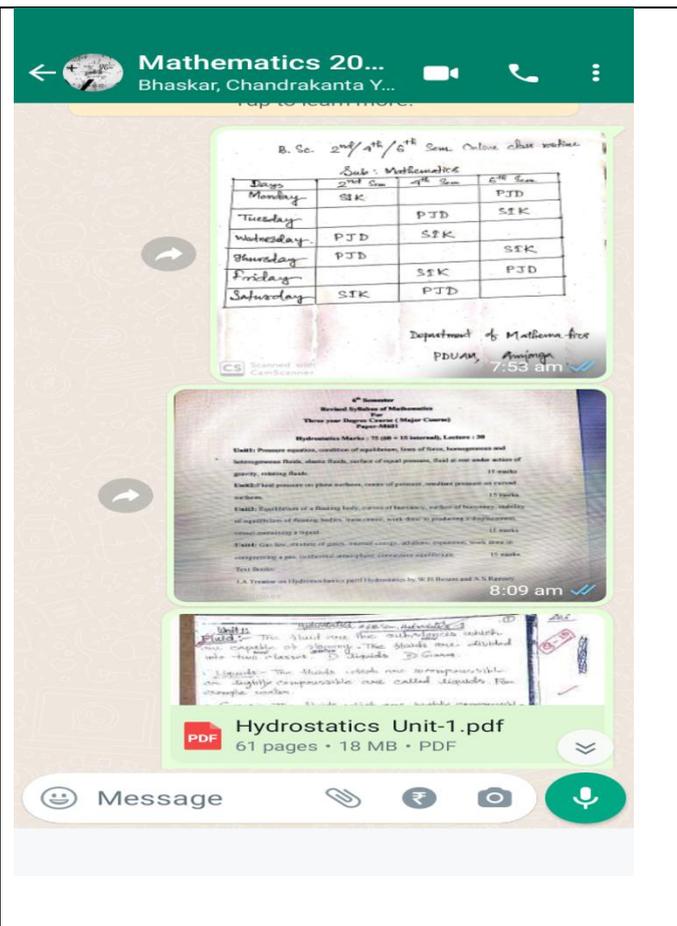
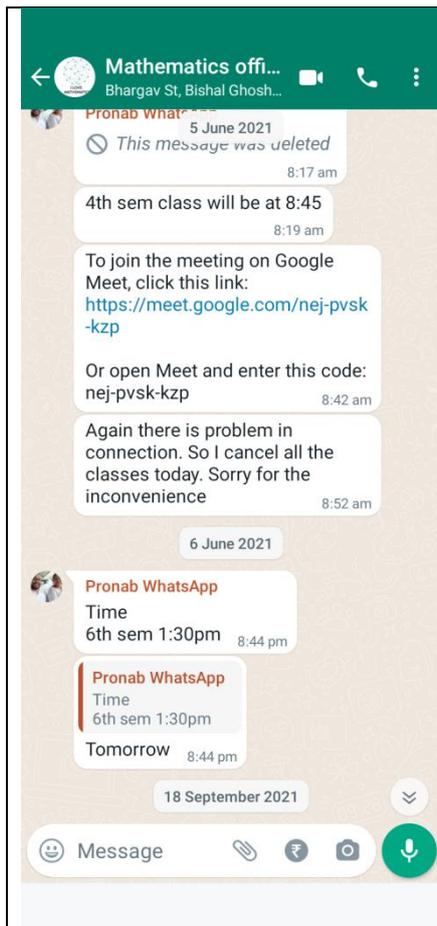
*P. Deendayal Upadhyaya*  
Coordinator  
IDAC, PDUAM, Amjonga  
Goalpara- 785124

*P. Deendayal Upadhyaya*  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga



  
 Coordinator  
 IDAC, POUAM, Amjonga  
 Gopalpara-785124

  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga



Link of Online Practical Exam Answer scripts.

[https://drive.google.com/drive/folders/13saZ4KMV11ttByIZ6ap12yzQDkW5MbQD?usp=drive\\_link](https://drive.google.com/drive/folders/13saZ4KMV11ttByIZ6ap12yzQDkW5MbQD?usp=drive_link)

Link of Home assignment of Degree students during Covid-19

[https://drive.google.com/drive/folders/1awmqJAwq58Lwz2ykqHLChJViMYdInvZj?usp=drive\\_link](https://drive.google.com/drive/folders/1awmqJAwq58Lwz2ykqHLChJViMYdInvZj?usp=drive_link)

*[Signature]*  
Coordinator  
IQAC, POUAM, Amjonga  
Ghatapara-785124

*[Signature]*  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

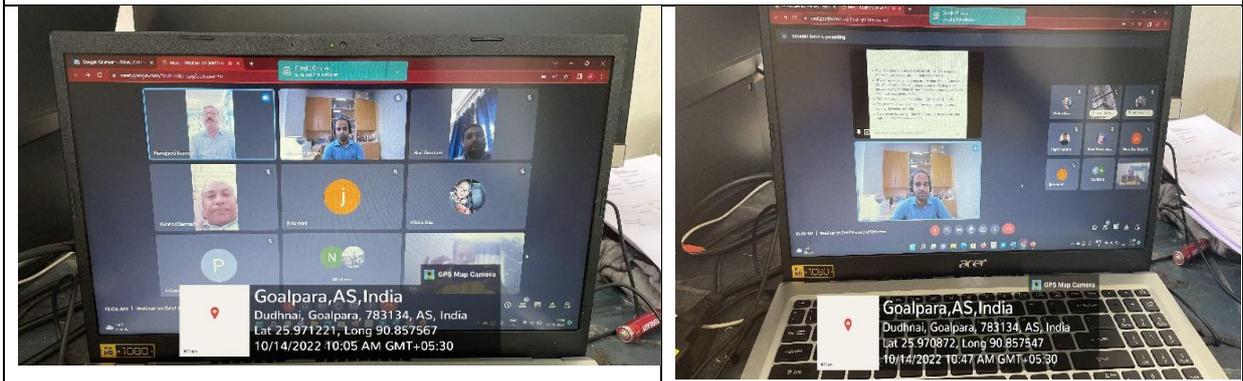
Department of Physics

Webinar

Webinar on History of Universe

Date: 14/10/2022

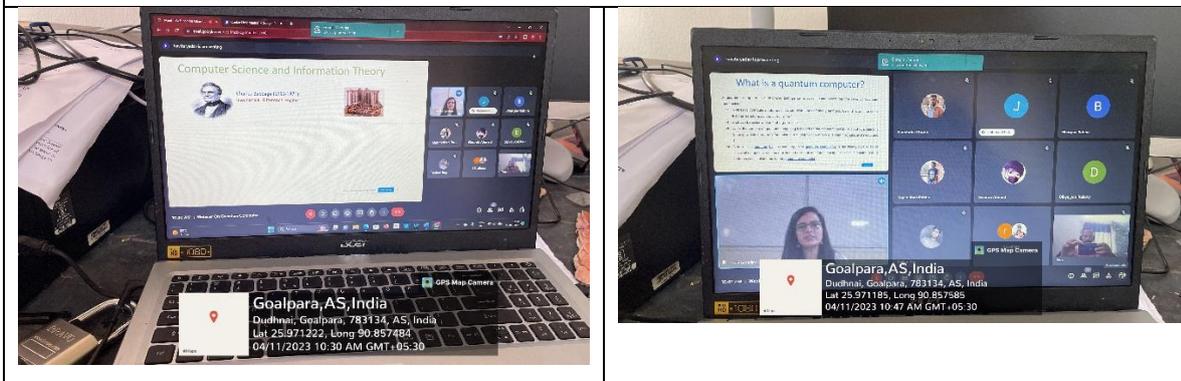
Resource person: Dr. Debasish Borah, Associate Professor, Department of Physics, IIT Guwahati



Webinar on Quantum Computer

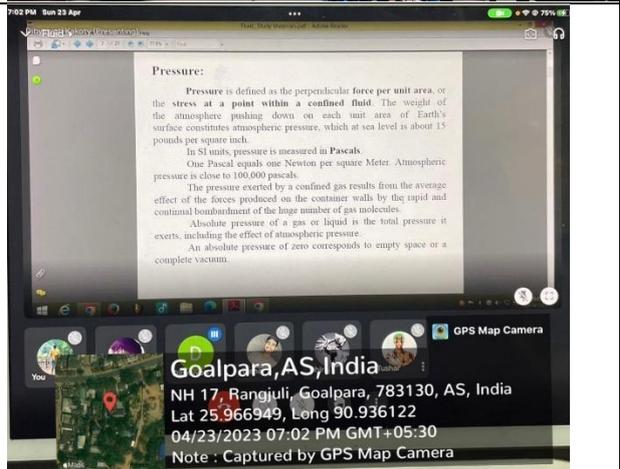
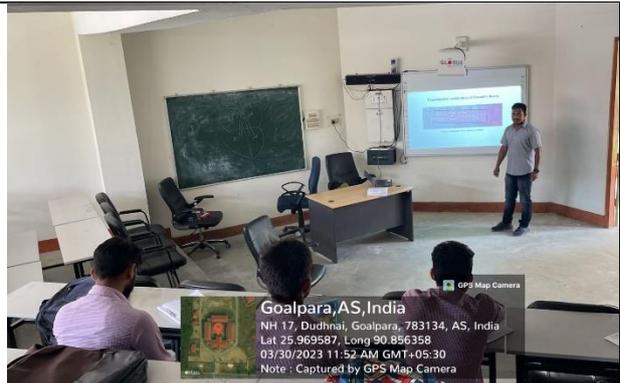
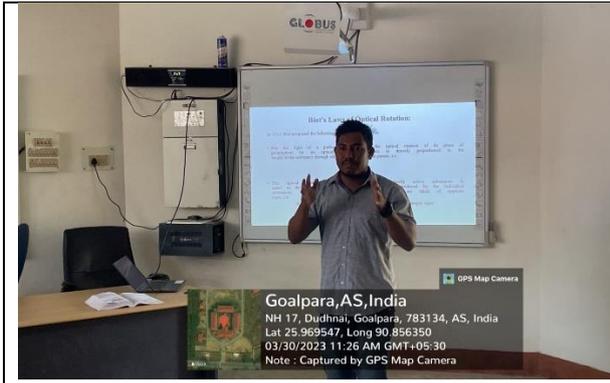
Date: 11/04/2023

Resource person: Dr. Kavita Yadav, Assistant Professor, Ahir College, Haryana

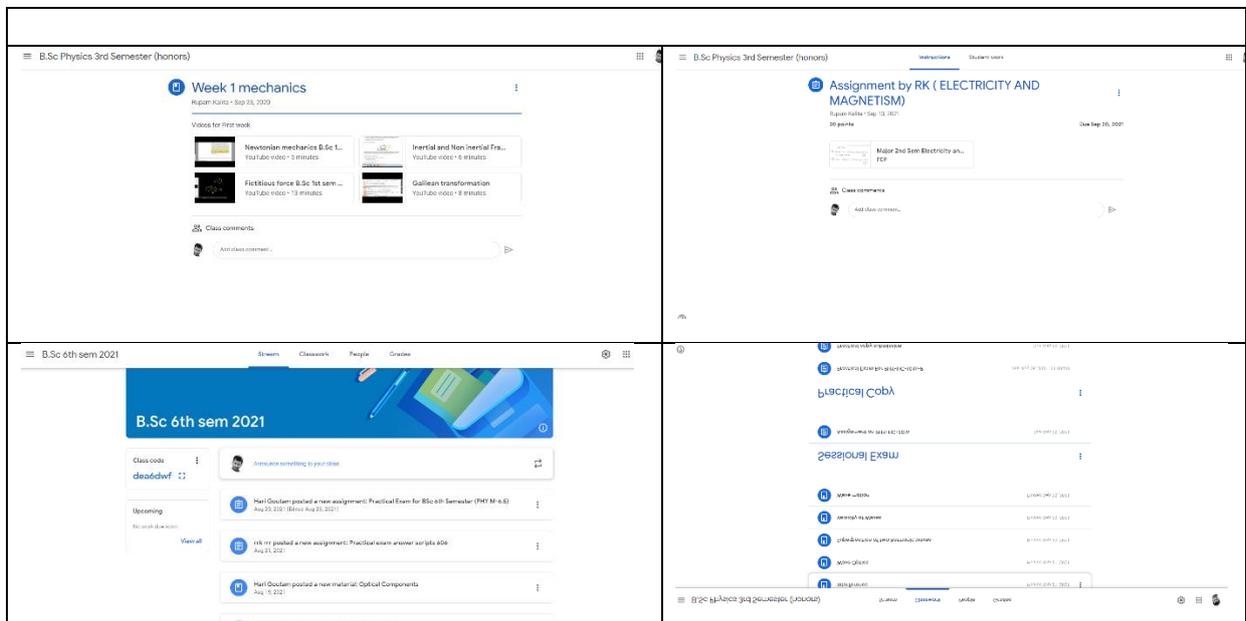


  
Coordinator  
IDAC, POJAM, Amjonga  
Goalpara-783124

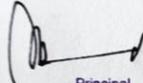
  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

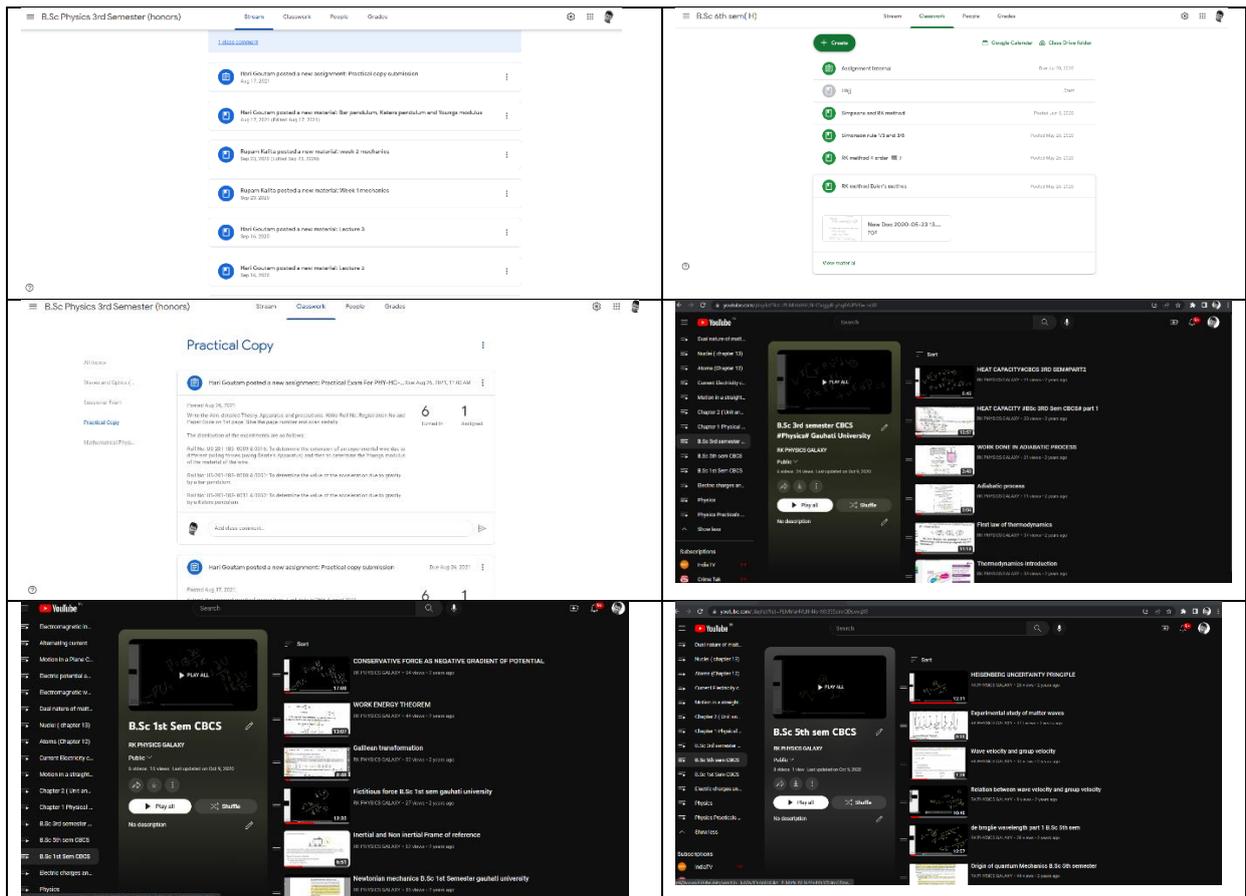


## Online Classes during Covid-19 pandemic



  
 Coordinator  
 IQAC, POUAM, Amjonga  
 Goalpara-783124

  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga



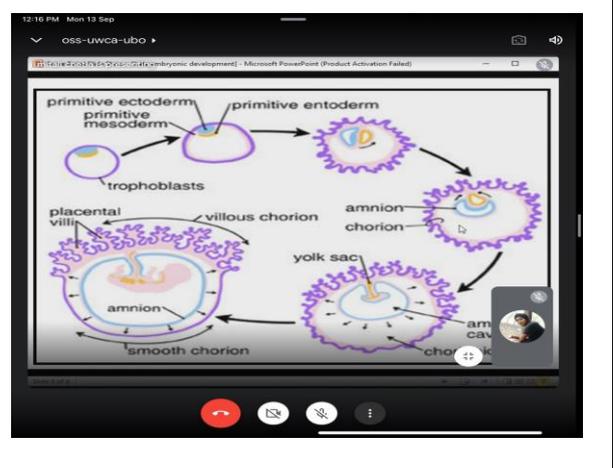
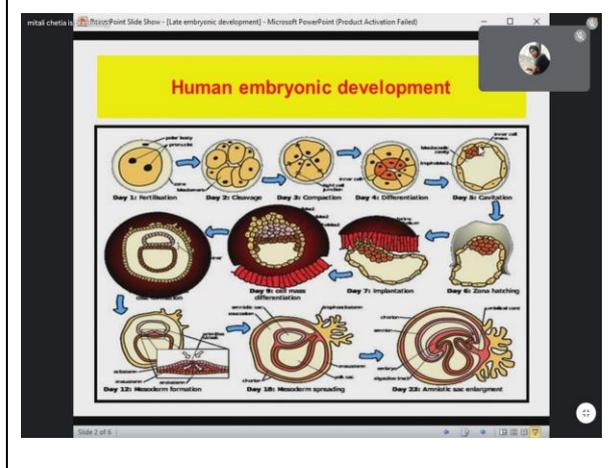
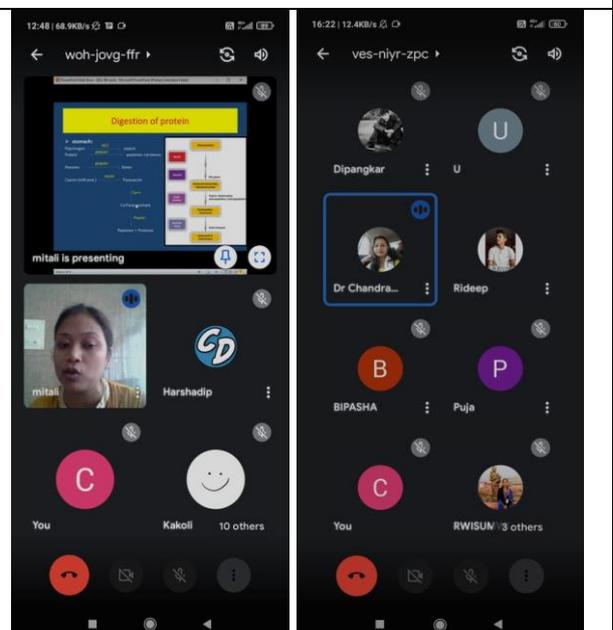
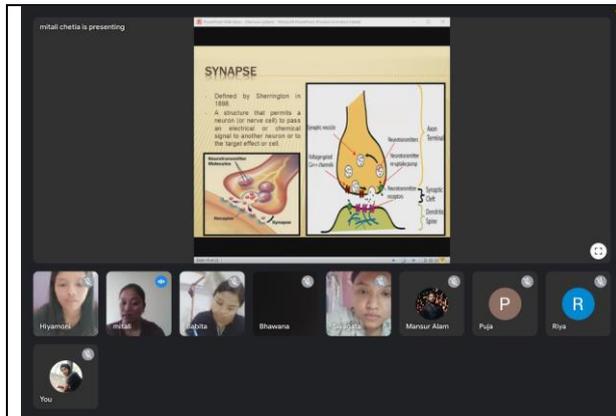
Department of Zoology  
ICT Classes



*[Signature]*  
Coordinator  
IDAC, POUAM, Amjonga  
Gadapara-785124

*[Signature]*  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

# Online Classes



*[Signature]*  
 Coordinator  
 IQAC, POUAM, Amjonga  
 Gnaipara-785124

*[Signature]*  
 Principal  
 Pandit Deendayal Upadhyaya  
 Adarsha Mahavidyalaya, Amjonga

## E-learning Initiative by the Library:

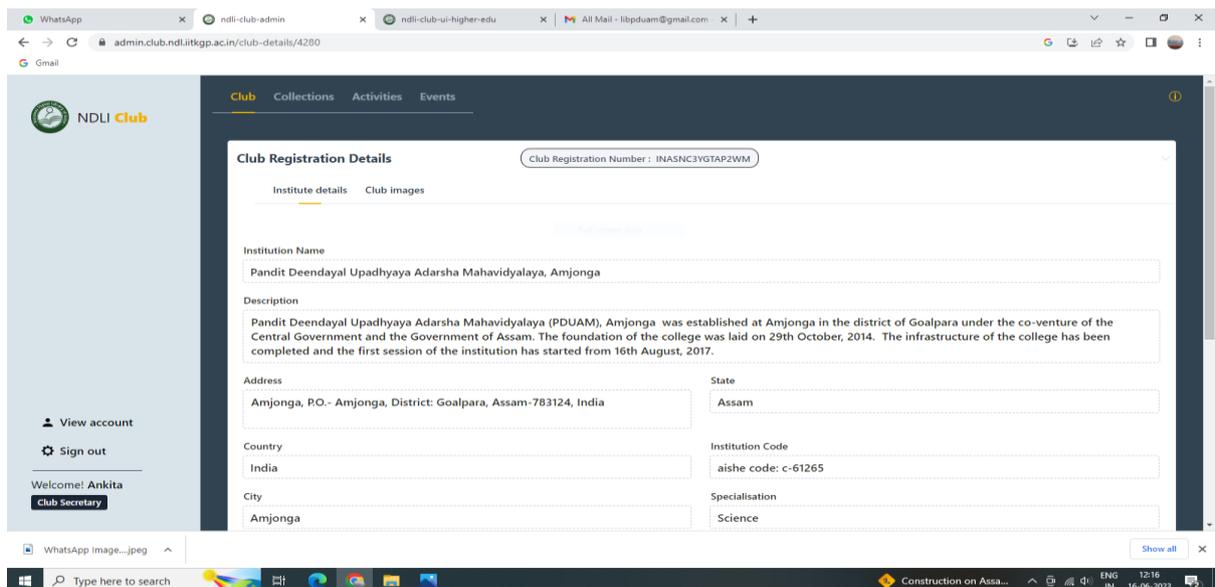
**NDLI Club:** The Central Library of PDUAM, Amjonga is registered under NDLI (National Digital Library of India) Club comprising of 130+ club members.

The National Digital Library of PDUAM Amjonga



India (NDLI) is an all-digital library that stores information (metadata) about different types of digital contents including books, articles, videos, audios, thesis and other educational materials relevant for the users. NDLI has been designed to benefit all kinds of users like students (of all levels), teachers, researchers, librarians, library users, professionals, differently abled users and all other lifelong learners. Besides this, the central library provides links or URLs of various open access e-resources through its official web page.

## NDLI Home Page

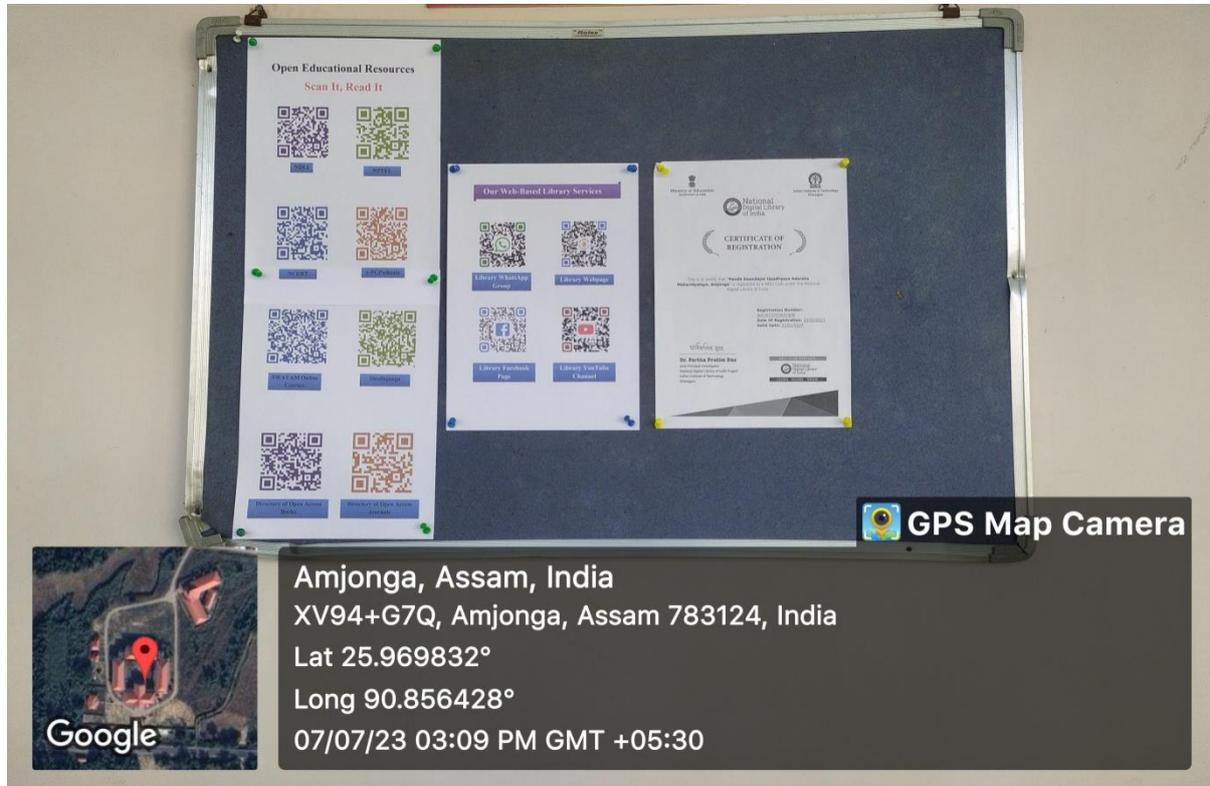


  
Coordinator  
IDAC, PDUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga

## Display of Open Educational Resources

QR code of Open Educational Resources (OER) and web-based library services which are being provided by the central library of PDUAM, Amjonga is displayed in the library display board for the easy access.



  
Coordinator  
IDAC, PDUAM, Amjonga  
Goalpara-783124

  
Principal  
Pandit Deendayal Upadhyaya  
Adarsha Mahavidyalaya, Amjonga