

ADD ON COURSE: CHEMISTRY IN DAY TO DAY LIFE



**Department of Chemistry
Goreswar College, Goreswar
SESSION: 2022-2023**


Principal (c)
Goreswar College

Aims And Objectives

- Visualize the importance of chemistry in everyday life
- Describe the basis of classification of drugs
- Explain drug-target interaction of enzyme and receptors
- Know about Artificial sweetening agents and food preservatives
- Discuss the chemistry of cleansing agents

Eligibility Of The Course

Higher Secondary pass from science

Time Duration: 30 Hours

Class Co-Ordinator

Joyshree Hazarika

No Of Student Register

1. Mukul Das
2. Runald Swargiary
3. Himangshu Keot
4. Tanmay Boro
5. Podmadhar Basumatary
6. Rahul Boro
7. Mukul Rajbangshi
8. Jitupal Kalita
9. Ankuman Deka

About the course: Chemistry in everyday life has been introduced as a discipline specific elective subjects for addition course. It is a short-term training course that are designed to supplement the core curriculum of a degree program. We offered a certificate and skill and knowledge of chemistry in everyday life which relevant to their field study

Syllabus

Chemistry in day to day life

Introduction

1.1 Visualise the importance of chemistry in daily life.

1.1 Explain the term chemotherapy.

1.3 Drug classification.

Drug- target interaction

2.1 Enzymes as drug targets

2.2 Receptors as drug targets

2.3 Therapeutic action of different classes of drugs.

Chemicals in food

3.1 Artificial sweetening agents.

3.2 Food preservation

Cleansing agents

4.1 Soaps (Types of soaps)

4.2 Synthetic detergents

CERTIFICATE DISTRIBUTION:

Today 12/12/22 chemistry Department has finally completed their 2nd session of Add-on-course and candidates only (9) Nine students took admission and successfully completed their course. Today certificate was distributed by Mrs. Abhashree Rajbongshi HOD Department of Physics, and faculties of different department.

Course Co-ordinator
Joyshree Hazarika







**ADD-ON COURSE
DEPARTMENT OF ENGLISH
SYLLABUS FOR CREATIVE WRITING**

Course Duration : 30 Hours

Unit I: Fundamentals of Creative Writing:

- Meaning and Significance of Creative Writing
- Genres of Creative Writing: poetry, fiction, non-fiction, drama and other forms
- Research for Creative Writing

Unit II: Elements of Creative Writing:

- Plot, Setting, Character, Dialogue, Point of View
- Literary Devices and Figurative Language
- Elements of Style
- Grammar and the Structure of Language
- Proof Reading and Editing

Unit III: Traditional Forms of Creative Writing:

□ Fiction: short story, novella and novel

- Poetry
- Drama
- Essay
- Fable
- Biography, Memoire and Autobiography
- Travelogues, Diaries, Self-Narrative Writing

Unit IV: New Trends in Creative Writing

□ Web Content Writing and Blog Writing

- Script Writing
- Journalistic Writing
- Copywriting
- Graphic Novel
- Flash Fiction


Course Co-ordinator
Department of English


Principal Vc
Goreswar College

**ADD-ON COURSE
DEPARTMENT OF ENGLISH
SYLLABUS FOR BIO-DATA WRITING**

MODULE 1: Understanding the Modern Resume Template & It's Importance

- 1.1 Design of Templates
- 1.2 Length of Resume

MODULE 2: Elements of a Modern Resume

- 2.1 Single-column format
- 2.2 Double-column format

MODULE 3: Font & Colour Combinations

- 3.1 Choice of colours
- 3.2 Choice of Font (Arial, Inter, Lato)

MODULE 4: Steps to create a CV

- 4.1 Career objective
- 4.2 Details about education
- 4.3 Details about work experience
- 4.4 Proofread and edit


Course Co-ordinator
Department of English


Principal i/c
Gateway College

**ADD-ON COURSE
DEPARTMENT OF ENGLISH
SYLLABUS FOR PPT PRESENTATION**

MODULE 1: Create and Manage Presentation

- 1.1 Create a Presentation
- 1.2 Insert and Format Slides
- 1.3 Configure and present a slide show

MODULE 2: Insert & Format Text, Shapes & Images

- 2.1 Insert and Format text
- 2.2 Insert and Format shapes
- 2.3 Insert and Format images

MODULE 3: Insert Tables, charts & SmartArt

- 3.1 Insert and Format tables
- 3.2 Insert and Format charts
- 3.3 Insert and Format SmartArt

MODULE 4: Apply Transitions and Animations

- 4.1 Apply Slide Transitions
- 4.2 Animate slide content
- 4.3 Timing for transitions & Animations


Course Co-ordinator
Department of English


Principal /c
Goreswar College

DEPARTMENT OF ENGLISH
ADD ON COURSE
ON
"SOFT SKILLS FOR LEADERSHIP"
SYLLABUS

1. Soft Skills for Leadership
 - 1.1 Qualities of a good leader
 - 1.2 Leadership style
 - 1.3 Critical thinking & Decision Making

2. Aspects of Communication
 - 2.1 Introduction to Communication
 - 2.2 Importance of Communication
 - 2.3 Types of Communication

3. Non-Verbal Communication
 - 3.1 Personal Appearance
 - 3.2 Gestures & Postures
 - 3.3 Facial Expression & Eye Contacts

4. Verbal Communication
 - 4.1 Listening
 - 4.2 Speaking
 - 4.3 Reading
 - 4.4 Writing


Course Co-ordinator
Department of English


Principal /c
Goreswar College

DEPARTMENT OF ENGLISH
ADD ON COURSE
ON
'Proof Reading in English'
SYLLABUS

Unit 1: Introduction to Proof Reading

- 1.1 Importance of Proof reading
- 1.2 Types of Proof reading

Unit 2: Basics of Proof reading

- 2.1 Capitalization
- 2.2 Apostrophes
- 2.3 Hyphens
- 2.4 Commas & Semicolons
- 2.5 Quotation Marks

Unit 3: Looking at Grammar when Proofreading

- 3.1 Subject/ Verb Agreement
- 3.2 Noun/Pronoun Agreement

Unit 4: Common mistakes

- 4.1 Misused words
- 4.2 Homophones
- 4.3 Sign & marks used for correction
- 4.4 American & British spelling variations
- 4.5 Correcting Malapropism



Course Co-ordinator
Department of English



Principal
Gureswar College

REPORT
OF
ADD ON COURSE: FOOD CHEMISTRY



Department of Chemistry
Goreswar College, Goreswar
SESSION: 2022-2023


Principal
Goreswar College

Aims and Objectives

- Visualize the importance of Food Chemistry.
- Describe Moisture in Food.
- Explain in Nutritional and Function Role of Minerals
- Know about Chemical Preservation of Food.
- Discuss the chemistry of Food Colour.

Course Outcome:

- A student will have skilled based knowledge about the Food Chemistry.
- A student will have knowledge about the determination of moisture in food.
- A student will be able to acquired knowledge in colour of food and minerals in food.

Eligibility of the Course:

Higher Secondary pass from science

Time Duration: 30 Hours

Class Coordinator: Joyshree Hazarika

IQAC Coordinator: Dr. Bhaba Kumar Sarma

No of Student Register:

1. Mukul Das
2. Runald Swargiary
3. Himangshu Keot
4. Tanmay Boro
5. Podmadhar Basumatary
6. Rahul Boro
7. Mukul Rajbangshi
8. Jitupal Kalita
9. Ankuman Deka

About the course:

Food Chemistry has been introduced as discipline specific elective subjects for add on course. It is a short-term training course that is designed to supplement the core curriculum of a degree program. We offered a certificate and skill and knowledge of Food Chemistry which relevant to their field study.

Syllabus

FOOD CHEMISTRY

Unit1: Water

- 1.1 Structure of water
- 1.2 water binding and Chemical Reaction
- 1.2 Determination of Moisture in Food

Unit2: Minerals in Food

- 2.1 Introduction
- 2.2 Classification
- 2.3 Nutritional and Function Role of Minerals

Unit 3: Preservation of Food

- 3.1 General Principles of Food Preservation – Physical Methods
- 3.2 Chemical Preservation of Food
- 3.3 Food Colour

CERTIFICATE DISTRIBUTION:

Today 12/12/22 chemistry Department has finally completed their 2nd session of Add-on-course and candidates only (9) nine students took admission and successfully completed their course. Today certificate was distributed by Mrs. Abhashree Rajbongshi HOD Department of Physics, and faculties of different department.

Course Co-ordinator
Joyshree Hazarika







**REPORT
OF
ADD ON COURSE: GREEN CHEMISTRY**



**Department of Chemistry
Goreswar College, Goreswar
SESSION: 2021-2022**


Principal i/c
Goreswar College

Aims and Objectives

- Visualize the importance of Green Chemistry
- Describe the basis of classification of Green Chemistry
- Explain prevention of waste / by products
- Know about designing safer chemicals
- Discuss the examples of green synthesis

Course Outcome:

- A student will have skilled based knowledge about the emerging area of Green Chemistry.
- A student will have knowledge about the Green Chemistry & Environment Chemistry.
- A student will be able to prevention of waste or by product.

Eligibility of the Course

Higher Secondary pass from science

Time Duration: 30 Hours

Class Coordinator

Joyshree Hazarika

IQAC Coordinator: Dr. Bhaba Kumar Sarma

No Of Student Register

1. Swgwmsar Boro
2. Sanjay Boro
3. Bayjauti Biswas
4. Jayarani Boro
5. Mansur Ali
6. NurMahamad Sah Dewan
7. Kishor Baruah
8. Swmkhwr Boro
9. Phungja Basumatary
10. Akkas Ali
11. Bijita Boro
12. Hitesh Kr. Basumatry

About the course:

Green Chemistry has been introduced as discipline specific elective subjects for add on course. It is a short-term training course that is designed to supplement the core curriculum of a degree program. We offered a certificate and skill and knowledge of Green Chemistry which relevant to their field study

Syllabus

Green chemistry

Unit1: Introduction

- 1.1 What is green chemistry?
- 1.2 Need for green chemistry
- 1.2 Difference between green chemistry and environmental chemistry

Unit2: principles of green synthesis

- 2.1 Principles of green chemistry
- 2.2 Prevention of waste / by products
- 2.3 Prevention / minimization of hazardous / toxic products

CERTIFICATE DISTRIBUTION:

Today 09/10/21 chemistry Department has finally completed their first session of Add on course and candidates only (12) twelve students took admission and successfully completed their course. Today certificate was distributed by Mrs. Joyshree Hazarika HOD Department of Chemistry, and faculties of different department.

Course Co-ordinator

Joyshree Hazarika





**GORESWAR COLLEGE
DEPARTMENT OF EDUCATION**

**ADD-ON COURSE IN COMMUNICATION
SKILLS**

Broucher 2023

Designed by

Department of Education Goreswar College


**Principal i/c
Goreswar College**

Principle Patruning
**HOD
Dept. of Education
Goreswar College**

INTRODUCTION: Communication involves the transmission and reception of information through a range of verbal and non-verbal means. When you give a presentation at work, brainstorm with your colleagues, discuss a problem with your boss or discuss details of a project with a client, you are using communication skills. They are an essential part of developing positive professional relationships. While it may seem like communication is mostly about talking and listening, there's more to it than that. Everything from your facial expression to your tone of voice feeds into communication. In this course we'll look at what communication skills look like at work and how you can improve your skills to become a more effective communicator.

OBJECTIVES: the main objectives of this course is to understand the different aspects of communication using the four macro skills (listening, speaking, reading, writing), to apply verbal and non-verbal communication techniques in the professional Environment. After completion of this course the learner will be able to express their thoughts, ideas and opinions clearly and effectively through spoken language, use body language, facial expression and tone of voice to enhance their communication, communicate effectively in diverse contexts.

COURSE STRUCTURE:

Eligibility: Students who have passed 10+2 examination shall be eligible for the program.

No. of Seats: 40

Duration: The duration of the course will cover three months or 40 hours.

Class timings: Classes for the course shall be considered 3 hours in a week in on Monday, Wednesday and Friday. The timings of the class shall be 3.00-4.00 PM.

Commencement of the class: The Course shall commenced from 10th November, 2023.

Study materials: The students will be special supplementary reading materials pertaining to the Course free of cost.

Attendance: 75% attendance of the classes held under the Course shall be held compulsory for students. Students who do not fulfil this condition shall not be allowed to sit in the examination.

Examination Procedure: The examination shall consist of 50 Multiple Choice Questions and oral presentation.

Medium of Examination: The medium of examination shall be the Assamese/English.

Minimum Pass Marks: 40 marks. Those who secure less than 40% of marks shall be declared fail.

Award of Certificate: Each successful candidate will be awarded a certificate after having passed the examination.

SYLLABUS OF THE COURSE

| Unit No. | Unit Name | Details of the Unit | No. of classes |
|----------|---|--|----------------|
| 1 | Communication and Interaction | Meaning, nature and purpose of communication. Types of communication- Verbal Communication (Effective speaking technique, voice modulation, articulation, pronunciation, effective word choice). Non-verbal Communication (Body language, gestures, eye contact, listening skills). Tips for improving non-verbal communication. | 14 |
| 2 | Effective communication | Essentials of effective communication, Barriers to communication. | 7 |
| 3 | The Seven Cs of Effective Communication | Completeness, Conciseness, Consideration, Concreteness, Clarity, Courtesy, Correctness | 5 |
| 4 | Interview Technique | Preparing and Self Presentation, Communication and Argument, Dressing for Interview, Dressing for Office. | 4 |
| 5 | Speaking skills (Practical) | Importance of Spoken English, Paper presentation skills, Preparing for and facing a job interview | 10 |

Course Coordinator: Dr. Prativa Pathwary.

Associate Professor, Dept. of Education.

Contact No. : 9036141263

Email ID: ppathwary78@gmail.com

XXXXXXXXXX

Prativa Pathwary.

HOD
Dept. of Education
Goreswar College


Principal I/c
Goreswar College

ADD ON COURSE: LED BULB
2021



Department of Physics
Goreswar College, Goreswar

Aim and Objectives:

1. To understand the basics of power electronics and its usages in lighting controls, or LED power supplies and LED drivers.
2. To know about Special safety and handling precautions to be taken during LED Luminary testing.
3. Identify dysfunctional components through visual inspection and by use of multi-meter.
4. To understand, various electronic & electrical components, materials and their specific properties & usages.

Course Outcome:

1. The course is designed to develop an entrepreneurial mindset among the students. This course involves the practical application of Electronics.
2. To boost the skill development credibility and improve the ability of the students in repairing electrical components used in day-to-day life.
3. To provide opportunity for realizing one's potential through practical experiences.

Eligibility for the Course:

Candidate for admission to Certificate course in Solar Energy must be 10+2 passed with physics, chemistry and mathematics.

Duration: 30 hours

Department of Physics, under the aegis of IQAC, Goreswar College organized a course on "Add on Course on LED BULB" from 1/09/2021 to 10/11/2021

Class co-ordinator: Abhasri Rajbongshi


Principal
Goreswar College

Syllabus

Unit1:

Basic Electronics: Identification of circuit components, Understanding the electrical properties of different components, Understand the functionality of coil, winding of coil, diode and its uses, Transistor, biasing of transistor, Current amplification circuit, Understand the functionality of multi-meter, Explain different modes of testing in multi-meter, Handling of regulated power supply, precautions dealing with AC & DC current and power supply. (10 Hours)

Unit2:

SMT machine, reflow oven, soldering of semiconductor devices, Manual screen printer, Soldering Iron, Soldering and Desoldering, LED Driver Tester, Principal of illumination from a LED, properties of LED, identifying the reason of LED malfunctioning, various blocks of a LED, Analyzing the fault by approaching each block, Selection of alternate spare in case of unavailability of components, PCB Design. (20 Hours)

Total course duration: 30 hrs.

Lectures: 3 hrs. per week.

Test -1: 20 Marks

(Each question carries 5 marks)

1. How do LED light works.
2. How do LED lights help the environment
3. What is soldering? What are the applications of soldering?
4. What is regulated power supply? Working principle of A.C to D.C power supply.

Certificate Distribution Programme

Dept. of Physics

Session: 2021-2022

Date: 13-11-21

Total students participants- 08

The Certificate distribution programme of add on course on "LED Bulb" in college on 13-11-21 was organised by Dept of Physics, Goreswar college, Goreswar. The programme was inaugurated by Abhasri Rajbongshi, Asst Professor, dept of Physics. The Certificates are distributed by the invited guest Mr Rajani Boro, Asst prof., Dept of Mathematics and Mrs Dolly Bala Brahma, Asst. Prof. of Zoology, Goreswar College, Goreswar. At the end vote of thanks was conducted by Abhasri Rajbongshi, Asst prof, Dept of Physics, Goreswar college, Goreswar.



ADD ON COURSE: SOLAR ENERGY
2023



Department of Physics
Goreswar College, Goreswar


Principal i/c
Goreswar College

Aim and Objectives:

1. To provide theoretical training on solar energy with special emphasis on Solar Photovoltaic Systems.
2. To provide knowledge on various schemes undertaken by government for skill based green jobs as a career option.
3. To encourage entrepreneurship.

Course Outcome:

1. A student will have skilled based knowledge about the emerging area of renewable energy systems.
2. A student will have knowledge about the solar energy measurement technique.
3. A student will be able to consider solar energy as a means of self-employment and source of income.

Eligibility for the Course:

Candidate for admission to Certificate course in Solar Energy must be 10+2 passed with physics, chemistry and mathematics.

Duration: 30 hours

Department of Physics, under the aegis of IQAC, Goreswar College organized a course on "Add on Course on Solar Energy" from 8/09/2023 to 8/11/2023

Class co-ordinator:

Abhasri Rajbongshi,

Nitul Sarmah


Principal Vc
Goreswar College

Syllabus

Unit 1: Basics of Electricity (10 hrs)

Basics of electricity: ohm's law (voltage, current & resistance), series and parallel connection, measuring instruments, dc power, ac power, energy, earthing, Classification of energy sources: conventional (coal, oil and gas) and renewable sources (solar, biomass, wind, hydro, geothermal, tidal, etc.); sun as the source of energy.

Unit 2: Solar Photovoltaic System (15 hrs)

Solar cell and its function, solar technologies, solar cell parameters, efficiency of solar cell, Module, Types of solar PV system, design methodology for SPV system, design of off grid solar power plant, design and development of solar street light and solar lantern.

Unit-3: Solar Energy Measurement Technique (5 hrs)

Pyranometer and Pyrheliometer

Total course duration: 30 hrs

Lectures: 3 hrs. per week

Test -1: 20 Marks

1. What are Pyrheliometers?
 - Instruments measures beam radiations
 - Instruments measures Diffuse radiations
 - Instruments measures Direct radiations only
 - None of the above
2. How much solar radiation does "Standard Test Conditions" or "Standard Solar Radiation" refer to?
 - 1000 W/m²
 - 1367 W/m²
 - 1500 W/m²
 - 950 W/m²
3. DNI stands for:
 - Direct Normal Irradiance
 - Direct National Irradiance
 - Direct New Incidence
 - Diverse Normal Incidence
4. Most of solar radiations received on earth surface is within the range of
 - 0.1 - 0.25 micron
 - 0.25 - 0.04 micron
 - 0.04 - 0.8 micron
 - 0.6 - 0.95 micron
5. How much Annual GHI (Global Horizontal Irradiation) does Delhi receive?
 - 5.5 - 6.0 kWh/m²/day
 - 5.0 - 5.5 kWh/m²/day
 - 5.0 - 5.5 kW/day
 - 6.0 - 6.5 kWh/m²/day
6. How much solar radiation is received at the top of the Earth's atmosphere?
 - 1367 Watts/m²
 - 1367 Watts
 - 1000 Watts/m²
 - 1000 Watts

7. Direct solar irradiance, also called the "direct solar irradiation" or the "direct normal irradiation (DNI)" is the solar irradiance on a surface held to the sun's while blocking the diffuse sky radiation.

8. What is meant by "Standard Solar Radiation"?

- 1000 W/m²
- 900 W/m²
- 1000 mW/m²
- 1367 W/m²

9. What is the solar irradiance at the top of the Earth's atmosphere?

- 1367 W/m²
- 1000 W/m²
- 1200 mW/m²
- 1440 kW/m²

10. What is Solar Photo Voltaic Cell? Draw a circuit diagram of Photo Voltaic Cell.
Or,

Write the uses of Solar Energy.

Certificate Distribution Programme

Dept of Physics

Session: 2023-24

Date: 09-11-23

Total no. of student participants- 8

The Certificate distribution programme of Add on course on "Solar Energy" in college on 12-11-22 was organised by Dept of Physics, Goreswar college, Goreswar. The programme was inaugurated by Abhasri Rajbongshi and Nitul Sarmah, Asst prof., Dept of Physics, Goreswar college, Goreswar. The certificates are distributed by the invited guest Miss Jurishmita Kashyap, Asst prof., Dept of Mathematics and Miss Manisha Deka, Asst Prof, Dept of Zoology, Goreswar College, Goreswar. And in the end vote of thanks was conducted by Abhasri Rajbongshi, Ass prof, Dept of Physics, Goreswar College, Goreswar.



Goreswar College Students' Attendance Register

Subject: Mathematics Attendance for

of Class Stream
 Session 2022-2023
 the month of August

| Adm. No. | Roll No. | Name of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|----------|----------|----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 44 | | | | | | | | | | | | | | | | | |
| 56 | | Miranda Devi | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 32 | | Ajayna Dora | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 38 | | Kandela Kalia | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 31 | | Chandra Devi | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 40 | | Archi Deka | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Loaf of Session |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------|
| | | | | | | | | | | | | | | | | June |
| | | | | | | | | | | | | | | | | July |
| | | | | | | | | | | | | | | | | August |
| | | | | | | | | | | | | | | | | September |
| | | | | | | | | | | | | | | | | October |
| | | | | | | | | | | | | | | | | November |
| | | | | | | | | | | | | | | | | January |
| | | | | | | | | | | | | | | | | February |
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| | | | | | | | | | | | | | | | | April |
| | | | | | | | | | | | | | | | | May |
| | | | | | | | | | | | | | | | | Total lectures delivered |
| | | | | | | | | | | | | | | | | Total No. of Presence |
| | | | | | | | | | | | | | | | | Percentage |
| | | | | | | | | | | | | | | | | Shortage |

Signature of the Lecturer:

Sitaywanda Debi

Signature of the Head of the Deptt.

Add on Course Certificate Distribution

Department of Education, Goreswar College



Nitya namo adika

GORESWAR COLLEGE, GORESWAR



ADD ON COURSE: APICULTURE

**Department of Zoology
Goreswar College, Goreswar
SESSION: 2022-2023**


Principal /c
Goreswar College

Aims and Objectives:

1. To study and understand the bee behavior.
2. To foster intelligent observation and good practical handling of bees.
3. To increase the knowledge of bees and bee and bee culture.
4. To learn bee swarming and its management.
5. To raise honeybee livestock for sale to other beekeepers.

About the course :

The course aims to impart systematic and scientific knowledge about bee-keeping and honey- bee colonies. It also aims to make students aware of the job opportunities in the field of apiculture and motivate them for self employment. The course also aims at environmental conservation as honeybees play a significant in the ecology of nature.

Course outcome:

1. To understand the basic life cycle of the honeybees, beekeeping tools and equipments.
2. To learn for managing beehives, bee enemies for honey production and pollination.
3. Describe the importance , biology and management of bees.
4. Demonstrate bee keeping management and skills

Eligibility for the Course:

Candidate for admission to certificate course in Apiculture must be 10+2 passed with Zoology

Duration : 30 hours

Department of Zoology, under the aegis of IQAC, Goreswar College organized a course on "Add on Course on Apiculture" from 09/09/22 to 09/11/22.

Course co-ordinator :Maidang Boro

2022-2023

Name of the students

1. Raju Marudhi
2. Vishal Bora
3. Deepankar Nayak
4. Bhuvan Bora
5. Anjan Nayak
6. Ananya Bora
7. Harshit Kachroogshi
8. Jyoti Kalita
9. Dhruv Deka
10. Ujjwal Bhattacharya
11. Sarthak Patra

Added on summer 2022-2023 (Tenth)



ZOOLOGY DEPARTMENT

ADD ON COURSE: APICULTURE

SYLLABUS:

UNIT: I

1. Insects & Classification- Classification of hymenoptera & social bees, Systematics (Classification) of honey bee.
2. Honey Bee Species-Identifying characters: *A. dorsata*, *A. cerana*, *A. florea*, *A. trigona*, *A. mellifera*
3. Parts of Body - Head & Abdomen, wax glands, sting apparatus, scent gland, mechanism of sting.

UNIT: II

1. Nesting behavior, Colony and organization of honey bees the castes- queen, drone and workers.
2. Behavior and communications in bees- Sense organs, Social behavior, division of labour, bee dance, chemical communication- pheromones.
3. Food for bees- Bee foraging, importance of pollen nectar and water for honey bees. Bee flora. Major and important honey yielding plant- Carvi, Manuka. Etc.

Practical:

1. Identify different species of honey bees in local area.
2. Demonstrate life cycle of honey bees.
3. Field visit.

Zoology Department

Certificate Distribution :2022-2023

Today (12-11-23) Zoology Department has finally completed their add-on course on Apiculture and distributed certificate to successful candidates. Only eleven students took admission and successfully completed their course. Certificates was distributed by Mr Rajan Boro HOD Mathematics Department and faculties of different departments.



ADD ON COURSE AQUACULTURE



**Department of Zoology
Goreswar College, Goreswar
Session: 2023-2024**

Aim and Objectives:

1. To obtain maximum yield of fish.
2. To obtain palatable and highly nutritive fish flesh.
3. To obtain By product of fishing industries.
4. To provide means of livelihood through commercial and industrial aquaculture.
5. To obtain effective utilization of aquatic and land resource.

Course Outcome:

Aquaculture is an increasingly popular field of study that is concerned with the production and management of sea life and fishes. Aquaculture is also covered in other related fields of study like Marine science, Marine Biology, Industrial fisheries. This add on course will be of immense benefit to students who wish to adopt aquaculture as a means of self employment.

Eligibility for the Course:

Candidate for admission to Certificate course in Aquaculture must be 10+2 passed with Zoology.

Duration : 30 hours

Department of Zoology, under the aegis of IQAC, Goreswar College organized a course on "Add on Course in Aquaculture" from 01/09/2023 to 10/11/2023.

Course co-ordinator : Dolly Bala Brahma

2023-2024

Name of the student

1. Sunayrany Daimary
2. Saini Barman
3. Dhansaj Rabha
4. Sumki Nama Das
5. Ani Deka
6. Jayanka Sutradhan
7. Rani Deka
8. Subhngri Boro
9. Laxmi Basumatary
10. Bhumika Basumatary
11. Salil Das
12. Dohwili Basumatary
13. Jilima Boro
14. Krishna Moni Boro
15. Rithi Narzary
16. Dhwrwmri Boro
17. Jaya Boro
18. Sadip Choudhury
19. Manashi Deka
20. Himangshu Sarania
21. Habita Boro
22. Sonathi Daimary
23. Sujata Narzary
24. Barasha Boro
25. Ansaigra Boro
26. Dwithan Brahma
27. Bishal Narzary
28. Rahul Boro
29. Harshita Boro
30. Juli Rekha Kalita



Syllabus

Unit 1: Introduction

Aquaculture: Definition, Types, Benefits and Importance of Aquaculture

Unit 2: Culture

Sustainable Aquaculture, Extensive, Intensive culture of fish, Pen and cage culture, Polyculture, Composite fish culture, Induced breeding of fish

Unit 3: Management / Management

Broodstock Management, Maintenance of fish aquarium

Unit 4: Fish Disease

Bacterial, Parasitic

Unit 5: preservation and processing of fish, Fishery by - products

PRACTICAL

1. Maintenance of aquarium
2. Identification of fishes
3. Field visit to Fishery Department

ZOOLOGY DEPARTMENT

Certificate Distribution :2023-2024

Today (9-11-23) Zoology Department has finally completed their third session of Add-on –course on Aquaculture and distributed certificate to successful candidates. Only 20 students took admission and successfully completed their course. Today certificates was distributed by Miss Jurismita Kashyap Asst. Professor, Department of Mathematics Goreswar College and faculties of different departments.



Course structure and Syllabus of

Add-on course

Title: Basic Statistics for Science & Humanities

Department: Business Mathematics & Statistics

Goreswar College, Goreswar

Duration: 30 Hours

Eligibility: H.S. with Mathematics

Objectives:

1. Statistics, a multi-disciplinary subject, is crucial for students in any stream. The course structure accommodates those with a Mathematics background from diverse streams (Arts, Science, and Commerce) after completing higher secondary education.
2. The course structure is designed for easy comprehension, ensuring even students unfamiliar with Statistics can grasp the concepts effortlessly.
3. Statistics is indispensable for advanced studies in Science, Commerce, and select Arts subjects. The course structure is tailored to provide fundamental statistical knowledge for comprehensive understanding in diverse academic fields.
4. Statistics is vital for projects and research. The course structure aims to facilitate progress and advancement in various endeavors.

Core course and the teaching scheme:

| Units | Contents | Contact Hours |
|--------|--|---------------|
| Unit-1 | Introduction to Statistics Meaning, Scope, limitations, collection of data, questionnaire & schedule, frequency distribution, representation of data, census & sampling. | 4 Hours |
| Unit-2 | Analysis of univariate data Measures of central tendency, partition values, measures of dispersion, skewness & kurtosis. | 5 Hours |


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| | | |
|--------|--|---------|
| Unit-3 | Analysis of Bi- Variate data Linear correlation & linear regression. | 4 Hours |
| Unit-4 | Index numbers Meaning, Types, uses and limitations, method of constructing price and quantity indices, test of adequacy, consumer price index. | 4 Hours |
| Unit-5 | Time series Meaning, causes of variation in time series data, components, additive and multiplicative models, determination of trend (moving average method and method of least squares) | 4 Hours |
| Unit-6 | Theory of probability and probability distribution Concept, approaches, additive & multiplicative laws, conditional probability, expectation and variance of a random variable. | 5 Hours |
| Unit-7 | Testing of hypothesis Null hypothesis, alternative hypothesis, type- 1 and type - 2 errors, levels of significance, critical region, one tailed and two tailed tests. | 4 Hours |

Course Outcome:

- Grasp the fundamental principles of Statistics.
- Acquire proficiency in employing diverse statistical techniques.
- Demonstrate the capability to engage in both project and research endeavors, taking proactive steps towards their successful execution.

Programme Coordinator:

Mrs. Bibha Rani Talukdar

bibharani.talukdar@gmail.com

Assistant professor

Business mathematics & statistics

Goreswar College, Goreswar, Ilakra


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Goreswar College

Goreswar College, Goreswar



Department of Mathematics

Syllabus for the

Certificate Course in 'Ancient Indian Mathematics'

(To be introduced with effect from the academic year 2022-23).

**Course Co-ordinate: Rajani Boro, Asst. Professor,
Goreswar College.**

TAMULPUR, BTR, ASSAM, 781366.


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Goreswar College

Ordinance: Title of Course
'Ancient Indian Mathematics'

Ordinance: Eligibility

A candidate for being eligible at admission to the Certificate Course in Ancient Indian Mathematics must have passed XII standard examination from any stream from Assam State Board of Higher Education or as equivalent thereto

Regulation: Duration of Course

30 Contact hours

Regulations: Intake Capacity

25 candidates in one batch

Objectives:

- Enhancing Computational Skills by learning techniques from ancient Indian mathematics.
- Improving problem solving abilities by studying the principles and methods used in ancient Indian mathematics.
- Applying ancient mathematical techniques to modern day problems and calculations.

Course Outcomes:

- Clear concepts and make a strong foundation in Mathematics
- Development of problem solving skills
- Improved capacities in modern calculations
- Ability to perform simple arithmetic calculations with speed and accuracy

Course Structure

'30 Contact Hours Certificate Course in 'Ancient Indian Mathematics'

| Units | Detailed Syllabus | Lectures |
|-------|--|----------|
| I | Integers: The decimal Place value system, Divisibility, Greatest common divisor and least common multiple, Simple continued fraction | 15 |
| II | Some topics in Geometry: Geometry in sulba sutras, The triangle, The cyclic quadrilateral, The circle | 15 |

Report On
Certificate Distribution Programme
Department of Mathematics
Session: 2022-23
Total Students Participants – 09
Date: 23/05/2023

The Certificate distribution programme of Add-on Course on 'Ancient Indian Mathematics' in college on 22/05/23 was organised by Department of Mathematics, Goreswar College, Goreswar. The Programme was inaugurated by Mr. Rajani Boro, Assistant Professor, Department of Mathematics. The certificates are distributed by the invited guest Mr. Chintu Mani Saikia, Assistant Professor of Botany, Goreswar College, Goreswar. And in the end vote of thanks was conducted by Brajen Kumar, Assistant Professor, Department of Mathematics, Goreswar College, Goreswar.



Certificate Distribution Photo

Add On Course: 'Ancient Indian Mathematics'

Department: Mathematics

Session: 2022-23

Name of the students who has been admitted on 01/04/2023 for add on course 'Ancient Indian Mathematics' Admission fee Rs-50/- only.

Course Co-ordinator: Mr Rajani Boro, Asst. Prof Dept of Mathematics.
The class started form 03/04/2023 to 20/05/2023.

| Sl No | Name of Student | Department | Semester |
|-------|---------------------------|------------|----------|
| 1 | Sunilkumar Boro | CHE | IV |
| 2 | NirmalchamrattalSah Dewan | CHE | IV |
| 3 | Kishor Barman | CHE | IV |
| 4 | Mansur Ali | CHE | IV |
| 5 | Ronald Swargitay | PHY | II |
| 6 | Mukut Das | PHY | II |
| 7 | Himangshu Keot | CHE | IV |
| 8 | Tanmay Boro | CHE | IV |
| 9 | Rainbow Narzary | CHE | IV |



Class Photo 1



Class Photo 2

Goreswar College, Goreswar



Department of Mathematics

Syllabus for the

Certificate Course in 'Vedic Mathematics'

(To be introduced with effect from the academic year 2023-24)

**Course Co-ordinate: Brajen Kumar, Asst. Professor,
Goreswar College
TAMULPUR, BTR, ASSAM, 781366.**


Principal Vc
Goreswar College

Ordinance: Title of Course

“Certificate Course in Vedic Mathematics”

Ordinance: Eligibility

A candidate for being eligible of admission to the Certificate Course in Vedic Mathematics must have passed XII standard examination from any stream from Assam State Board of Higher Education or an equivalent thereto

Regulation: Duration of Course

30 Contact hours

Regulations: Intake Capacity

25 candidates in one batch

Benefits of Vedic Maths:

- Eliminates math-phobia.
- Increases speed and accuracy.
- More systematic, simplified, unified & faster than the conventional system.
- Gives the student flexibility, fun and immense satisfaction.
- Provides powerful checking tool.
- Saves precious time in examinations.
- Gives the student a competitive edge.
- Develops Left & Right Sides of the brain by increasing visualization and concentration abilities.
- Knowledge of Vedic Mathematics will be helpful to crack Numerical Aptitude part for students appearing for Competitive Examinations.

Objectives:

- To enable the learners to explore the power of Vedic Maths.
- To make learners strong in Numerical Maths.
- To enable learners to recognize and understand simple techniques of Arithmetic Calculations.
- To train learners to use the ideas of Vedic Maths in daily calculations and make those calculations with accuracy and speed.

Learning Outcomes:

By successfully completing this course, the learner will be able to

- Perform simple arithmetic calculations with speed and accuracy.
- Will be able to generate tables of any number.
- To perform products of large numbers quickly.
- Develop confidence in calculating square roots and cube roots of integers.
- Perform difficult calculations speedily.
- Face Numerical Aptitude part of any Competitive Examination confidently.

Course Structure

'30 Contact Hours Certificate Course in 'Vedic Mathematics'

| Units | Detailed Syllabus | Lectures (1 hour per lecture) |
|-------|--|-------------------------------|
| I | History and Evolution of Vedic Mathematics, Introduction of Basic Vedic Mathematics Techniques in Multiplication (Special Case, Series of 9, Series of 1 etc), Tables etc., Comparison of Standard Methods with Vedic Methods. | 10 |
| II | Various techniques to carry out basic operations covering Addition, Subtraction, Multiplication, Division, Complements and Bases, Vinculum number, General multiplication (Vertically Crosswise). | 10 |
| III | Multiplications by numbers near base, Verifying answers by use of digital roots, Divisibility tests, Division of numbers near base, Comparison of fractions. | 10 |

Add On Course: 'Vedic Mathematics'
Department: Mathematics
Session: 2023-24

Name of the students who has been admitted on 16/08/2023 for add on course 'Vedic Mathematics' Admission fee Rs-50/- only.

Course Co-ordinator: Mr Brajen Kumar, Asst Prof Dept of Mathematics.
The class started form 19/08/2023 to 17/10/2023.

| Sl No | Name of Students | Department | Semester |
|-------|-----------------------|------------|----------|
| 1 | Soleman Ali | MAI | I |
| 2 | Rituj Kumar Kalita | BOI | I |
| 3 | Anisha Mesum | BOI | I |
| 4 | Danji Rani Basumatary | BOI | I |
| 5 | Somitra Boro | BOI | I |
| 6 | Ashmita Tazmin | BOI | I |
| 7 | Israfiyul Haque | BOI | I |



Class Photo 1



Class Photo 2

Report On
Certificate Distribution Programme
Department of Mathematics
Session: 2023-24
Total Students Participants ~ 07
Date :19/10/2023

The Certificate Distribution Programme of Add on Course on 'Vedic Mathematics' in College on 19/10/2023 was organised by department of mathematics, Goreswar College, Goreswar. The programme was inaugurated by Mr. Brajen Kumar, Assistant Professor, Department of Mathematics, Goreswar College, Goreswar. The certificates are distributed by invited guest Miss Abhasri Rajbongshi, Assistant Professor, Department of Physics, Goreswar college, Goreswar. And in the end vote of thanks was conducted by Miss. Jurismita Kashyop, Assistant Professor, Department of Mathematics, Goreswar College, Goreswar. The HOD Mr. Rajani Boro, Department of Mathematics and HOD Mrs. Joyshree Hazarika Dept. of Chemistry, Goreswar College were present in the programme.



Photo of Certificate Distribution

ADD ON COURSE: CHEMISTRY IN DAY TO DAY LIFE



**Department of Chemistry
Goreswar College, Goreswar
SESSION: 2021-2022**


Principal Vt
Goreswar College

CERTIFICATE DISTRIBUTION:

Today 09/10/21 chemistry Department has finally completed their first session of Add on course and candidates only (12) twelve students took admission and successfully completed their course. Today certificate was distributed by Mrs. Joyshree Hazarika HOD Department of Chemistry, and faculties of different department.

Course Co-ordinator

Joyshree Hazarika



12. Bijita Boro

About the course: Chemistry in everyday life has been introduced as a discipline specific elective subjects for addition course. It is a short-term training course that are designed to supplement the core curriculum of a degree program. We offered a certificate and skill and knowledge of chemistry in everyday life which relevant to their field study.

Syllabus

Chemistry in day to day life

Introduction

1.1 Visualise the importance of chemistry in daily life.

1.1 Explain the term chemotherapy.

1.3 Drug classification.

Drug-target interaction

2.1 Enzymes as drug targets

2.2 Receptors as drug targets

2.3 Therapeutic action of different classes of drug

Chemicals in food

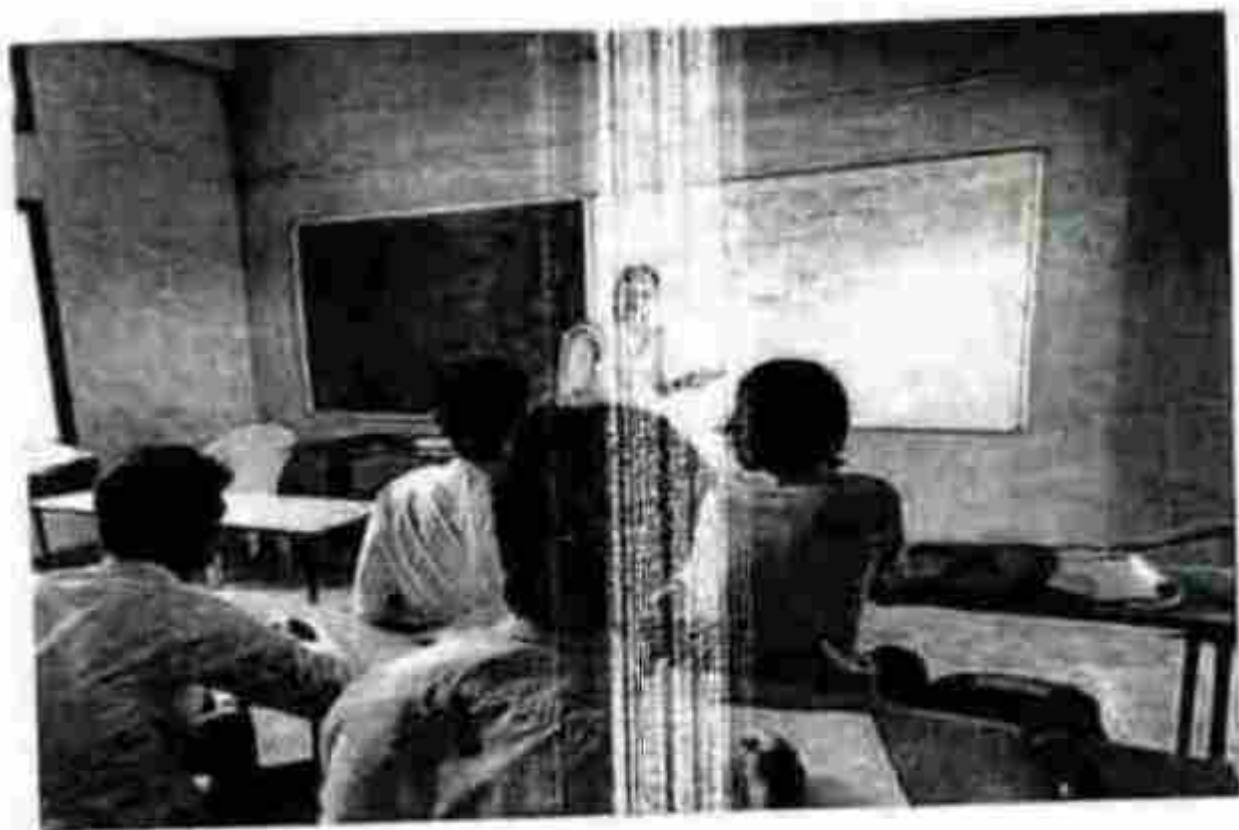
3.1 Artificial sweetening agents.

3.2 Food preservation

Cleaning agents

4.1 Soaps (Types of soaps)

4.2 Synthetic detergents



Aims And Objectives

- Visualize the importance of chemistry in everyday life
- Describe the basis of classification of drugs
- Explain drug-target interaction of enzyme and receptors
- Know about Artificial sweetening agents and food preservatives
- Discuss the chemistry of cleansing agents

Eligibility Of The Course

Higher Secondary pass from science

Time Duration: 30 Hours

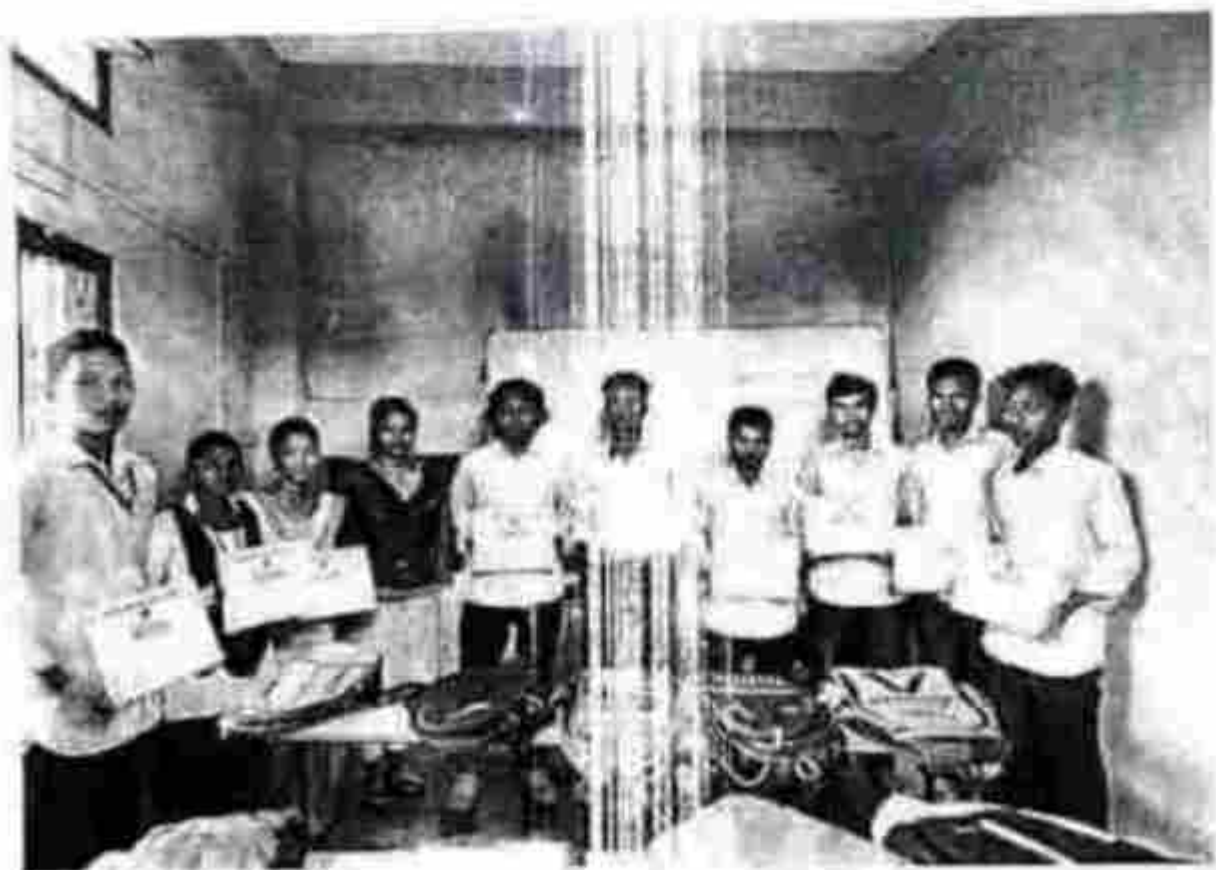
Class Co-Ordinator

Joyshree Hazarika

IQAC Co-Ordinator: Dr. Bhaba Kumar Sarmah

No Of Student Register

1. Hitesh Kr Basumatary
2. Swgwmsar Boro
3. Sanjay Boro
4. Bayjauti Biswas
5. Jayarani Boro
6. Mansur Ali
7. NurMahamad Sah Dewan
8. Kishor Baruah
9. Swmkhwr Boro
10. Phungja Basumatary
11. Akkas Ali



ADD ON COURSE: CHEMISTRY IN DAY TO DAY LIFE



**Department of Chemistry
Goreswar College, Goreswar
SESSION: 2023-2024**

Aims And Objectives

- Visualize the importance of chemistry in everyday life
- Describe the basis of classification of drugs
- Explain drug-target interaction of enzyme and receptors
- Know about Artificial sweetening agents and food preservatives
- Discuss the chemistry of cleansing agents

Eligibility Of The Course

Higher Secondary pass from science

Time Duration: 30 Hours

Class Co-Ordinator

Joyshree Hazarika
Ribson Dwimary

No Of Student Register

1. Rumi Khatun
2. Nabajit Boro
3. Sanjib Daimary
4. Deepjoti Kalita
5. Nimashree Sarkar
6. Shyamantika Sarkar
7. Rajib Das
8. Banoram Basumatary
9. Danswring Boro
10. Abhishek Deka
11. Bidungsa Boro
12. Munfunsha Boro
13. Madhumita Boro
14. Amarjyoti Deka

About the course: Chemistry in everyday life has been introduced as a discipline specific elective subjects for add on course. It is a short-term training course that are designed to supplement the core curriculum of a degree program. We offered a certificate and skill and knowledge of chemistry in everyday life which relevant to their field study

Syllabus

Chemistry in day to day life

Introduction

1.1 Visualise the importance of chemistry in daily life.

1.1 Explain the term chemotherapy.

1.3 Drug classification.

Drug- target interaction

2.1 Enzymes as drug targets

2.2 Receptors as drug targets

2.3 Therapeutic action of different classes of drugs

Chemicals in food

3.1 Artificial sweetening agents.

3.2 Food preservation

Cleansing agents

4.1 Soaps (Types of soaps)

4.2 Synthetic detergents

CERTIFICATE DISTRIBUTION:

Today 12/12/23 chemistry Department has finally completed their 2nd session of Add-on-course and candidates only (14) Fourteen students took admission and successfully completed their course. Today certificate was distributed by Ms. Jurishmita Kashyap Assistant Professor Department of Mathematics, and faculties of different department.

Course Co-ordinator

Joyshree Hazarika

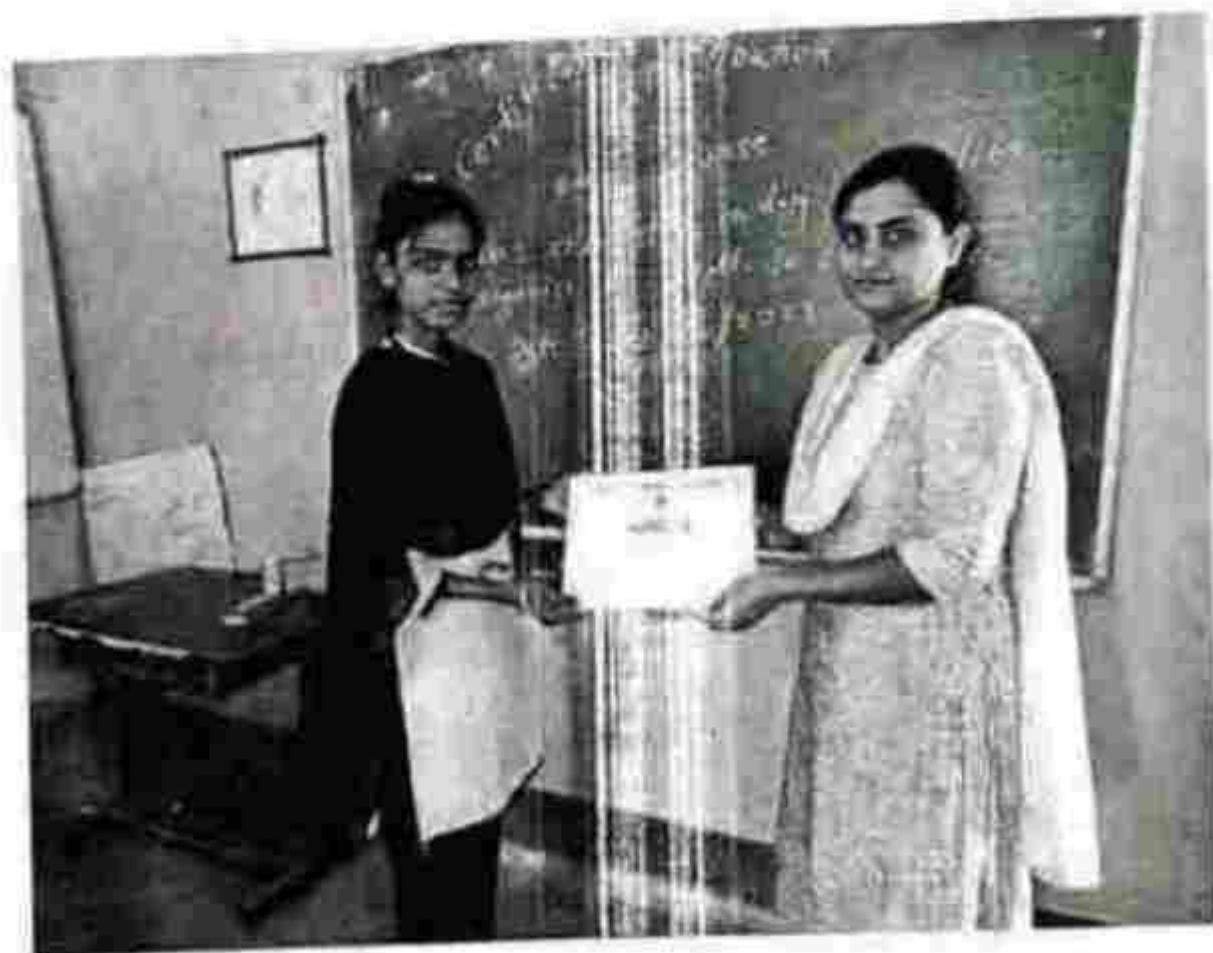
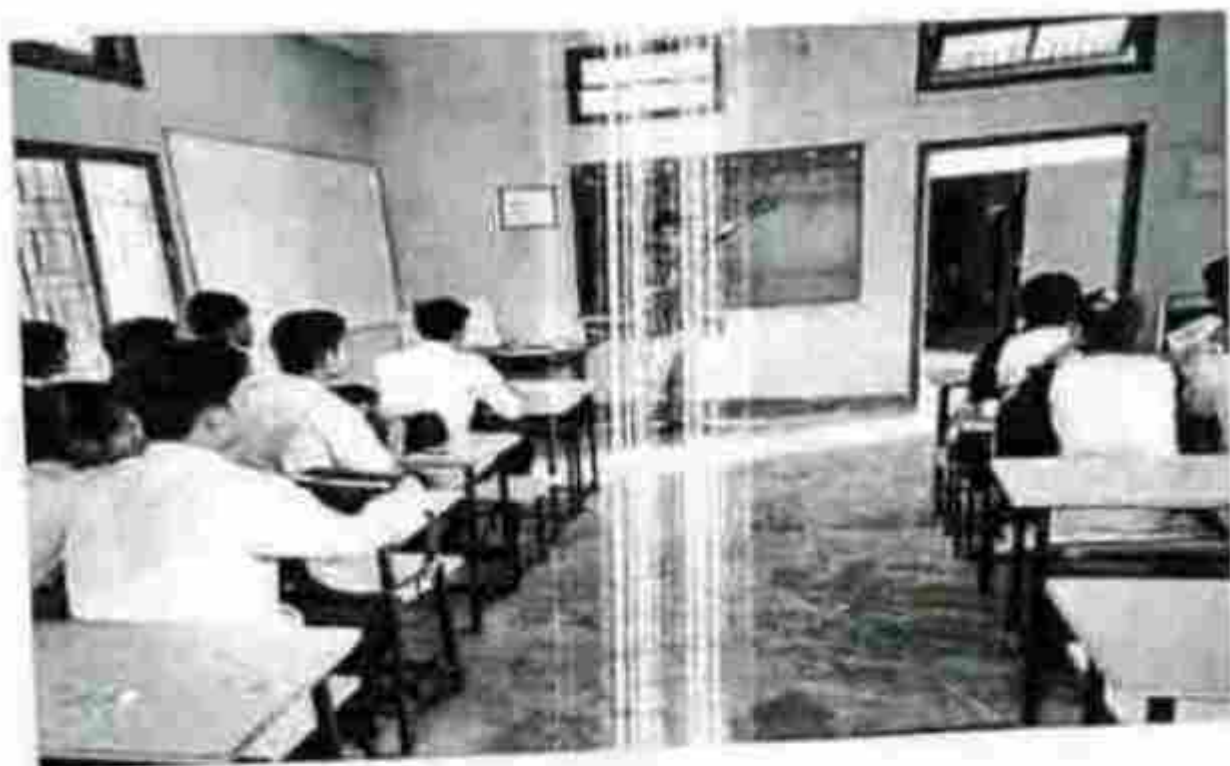


CERTIFICATE DISTRIBUTION:

Today 12/12/23 chemistry Department has finally completed their 2nd session of Add-on-course and candidates only (14) Fourteen students took admission and successfully completed their course. Today certificate was distributed by Ms. Jurishmita Kashyap Assistant Professor Department of Mathematics, and faculties of different department.

Course Co-ordinator
Joyshree Hazarika







**GORESWAR COLLEGE
DEPARTMENT OF EDUCATION**

PERSONALITY DEVELOPMENT COURSE

Broucher 2022

Designed by

Department of Education Goreswar College

Principat Ue Goreswar College

10/3
Dept. of Education
Goreswar College

118
Principat Ue
Goreswar College

INTRODUCTION: Personal development is a lifelong process. It is an opportunity for students to evaluate their abilities and qualities, rethink their life goals and set objectives to realize and maximize their potential. It includes activities that enhance awareness and identity, develop talents and potential, build human capital and promote employability, improve quality of life and contribute to the realization of dreams and aspirations. The concept is not limited to self-help, but also includes formal and informal activities to develop others in roles such as teacher, guide, counselor, manager, life coach or mentor. When personal development takes place in the context of institutions, it refers to the methods, programs, tools, techniques and assessment systems that support human development at the individual level in organizations.

OBJECTIVES: Personality development essentially means improving and nurturing one's outer and inner self in order to bring about a positive change in life. Everyone has a unique personality that can be developed, polished and refined. This process includes strengthening self-confidence, improving communication and language abilities, expanding one's knowledge, developing certain hobbies or skills, learning fine manners and etiquette, perfecting one's appearance with style and grace and overall radiating positivity, vibrancy and peace. The aim of the personality development course is to enhance the personality of the students and thus improve their employability. Classroom instruction and extracurricular training bring together the skills students need to learn to be successful in today's business world. To teach these skills, the personal development course is designed to prepare students for the challenges of the corporate world.

COURSE STRUCTURE:

Eligibility: Students who have passed 10+2 examination shall be eligible for the program.

No. of Seats : 40

Duration: The duration of the course will cover three months or 45 hours.

Class timings: Classes for the course shall be considered 3 hours in a week in on Tuesday, Thursday and Saturday. The timings of the class shall be 02:45-03:45 PM.

Commencement of the class: The Course shall commenced from 6th June, 2022.

Study materials: The students will be special supplementary reading materials pertaining to the Course free of cost.

Attendance: 75% attendance of the classes held under the Course shall be held compulsory for students. Students who do not fulfil this condition shall not be allowed to sit in the examination.

Examination Procedure: The examination shall consist of 50 Multiple Choice Questions and oral presentation.

Medium of Examination: The medium of examination shall be the Assamese/English.

Minimum Pass Mark: 40 marks. Those who secure less than 40% of marks shall be declared fail.

Award of Certificate: Each successful candidate will be awarded a certificate after having passed the examination.



Principal i/c

Chandana College

Syllabus of the Course

| Unit No. | Unit Name | Details of the Unit | No. of classes |
|----------|-----------------------------|--|----------------|
| 1 | Introduction to Personality | Concept of Personality, Influencing Factors of Personality Development, Types of Personality. | 3 |
| 2 | Motivation | Introduction to Motivation, Relevance and types of Motivation, Motivating the subordinates, Analysis of Motivation. | 5 |
| 3 | Communication skill | Introduction to Communication, types of communication, Barriers of Communication, How to overcome barriers of communication. | 5 |
| 4 | Stress-Management | Introduction to Stress, Causes of Stress, Impact of Stress, Managing Stress. | 3 |
| 5 | Team building | Team Building, Interaction with the Team, How to build a good team? | 4 |
| 6 | Time Management | Time as a Resource, Identify important Time Wasters, Individual Time Management Styles, Techniques for better Time Management. | 5 |
| 7 | Building Self | Personal Development, Self esteem, Self Confidence, Self-Actualization. | 3 |
| 8 | Conflict Management | Introduction to Conflict, Causes of Conflict, Managing Conflict. | 3 |
| 9 | Interview Technique | Preparing and Self Presentation, Communication and Argument, Dressing for Interview, Dressing for Office. | 3 |
| 10 | Event Management | Introduction to Event Management, Code of Ethics, Principles of Event Management, Key to Success an Event. | 4 |
| | Demonstration | Overall | 1 |

Course Coordinator: Dr. Prativa Patowary

Associate Professor, Dept of Education.

Contact No. 8038141263

Email ID: ppatowary7@gmail.com


 Principal /c
 Goreswar College

Prativa Patowary
 HoD
 Dept of Education
 Goreswar College

Certificate Course
On
ORAL HISTORY

Department of History
Year :2023-2024

Goreswar College, Goreswar, Tamluk, BTR, Assam Pin-781366

Course Objective:

Oral tradition and Oral History enables people to share their stories in their own words, with their own voices, through their own understanding of what happened and why.

With careful attention to preserving our sound recordings, the voices of our narrators will endure to speak for them when they are gone. Oral traditions and expressions are used to pass on knowledge, cultural and social values and collective memory. They play a crucial part in keeping cultures alive.

Some advantages of Oral traditions are: -

- Oral traditions do not need a person to know how to read and write.
- Historians get first-hand information from the people.
- Information is easy to collect.
- Historians can interview people anywhere and at any time.

Course Outcome:

After this course the students will be able to explain complex interrelationships of structure of events in the context of broader social and cultural framework of societies through 'public memory' and use oral history to preserve oral culture and local history. The students will be able to espouse the relevance to the North-Eastern region of India with its diverse culture and ethnic communities whose history is largely oral. The students will be to use "Public memory" as a tool and a source not only to write public history but also to explore new knowledge in the humanities, social sciences and even in disciplines like Architecture, Communication Studies, Gender Studies, English, History, Philosophy, Political Science, Religion and Sociology.

Course Material:

Necessary course material like books, reference books and articles will be provided in the classroom.

Grading Patterns

| Percentage | Grade |
|------------|-------|
| 90-100% | A+ |
| 80-89.9% | A |
| 70-79.9% | B+ |
| 60-69.9% | B |
| Below 60% | C |

Course Design Developed By: -

Dr. Promod Medhi

Principal, Goreswar College

Mrs. Juri Deka

HoD & Assistant Professor,

Coordinator, Department of History,

Goreswar College

Dr. Dipal Bajgain

Assistant Professor, Department of

History, Goreswar College


Principal Vc
Goreswar College

| Roll No. | Name of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | 62 Bhabana Hazarika | P | P | P | P | | P | P | | P | P | | P |
| 2 | 109 Rakita Rajgari | | | | | | | | | | | | |
| 3 | 117 Hemant Das | | | | | | | | | | | | |
| 4 | 132 Manpi Aka | P | P | P | P | | P | P | | P | | | P |
| 5 | 139 Ranjit Charnuah | | | | | | | | | | | | |
| 6 | 215 Gayatri Muchahary | P | P | P | P | | P | | | | | | |
| 7 | 224 Edul Ali | | | | | | | | | | | | |
| 8 | 237 Himadri Sarania | P | P | P | P | | P | P | | P | P | | P |
| 9 | 243 Sahil Saddat | | | | | | | | | | | | |
| 10 | 383 Rekha Sen | P | P | P | P | | P | P | | P | P | | P |
| 11 | 452 Ripul Ali | | | | | | | | | | | | |
| 12 | 456 Chennay Rajkumari | | | | | | | | | | | | |
| 13 | 461 Rajib Aka | | | | | | | | | | | | |
| 14 | 495 Ujjal Kalita | | | | | | | | | | | | |
| 15 | 505 Aniket Bhatnagar | | | | | | | | | | | | |
| 16 | 516 Iyoti Rekha Aka | P | P | P | P | | | | | P | P | | |
| 17 | 555 Champa Sen | P | P | P | P | | P | P | | | | | P |
| 18 | 579 Goutami Swargiyaj | | | | | | | | | | | | |
| 19 | 626 Nirmal Chandra | | | | | | | | | | | | |
| 20 | 800 Apurva Kalita | P | P | P | P | | P | P | | P | P | | P |
| 21 | 817 Aniket Aka | | | | | | | | | | | | |

Suni Aka
Programme Coordinator

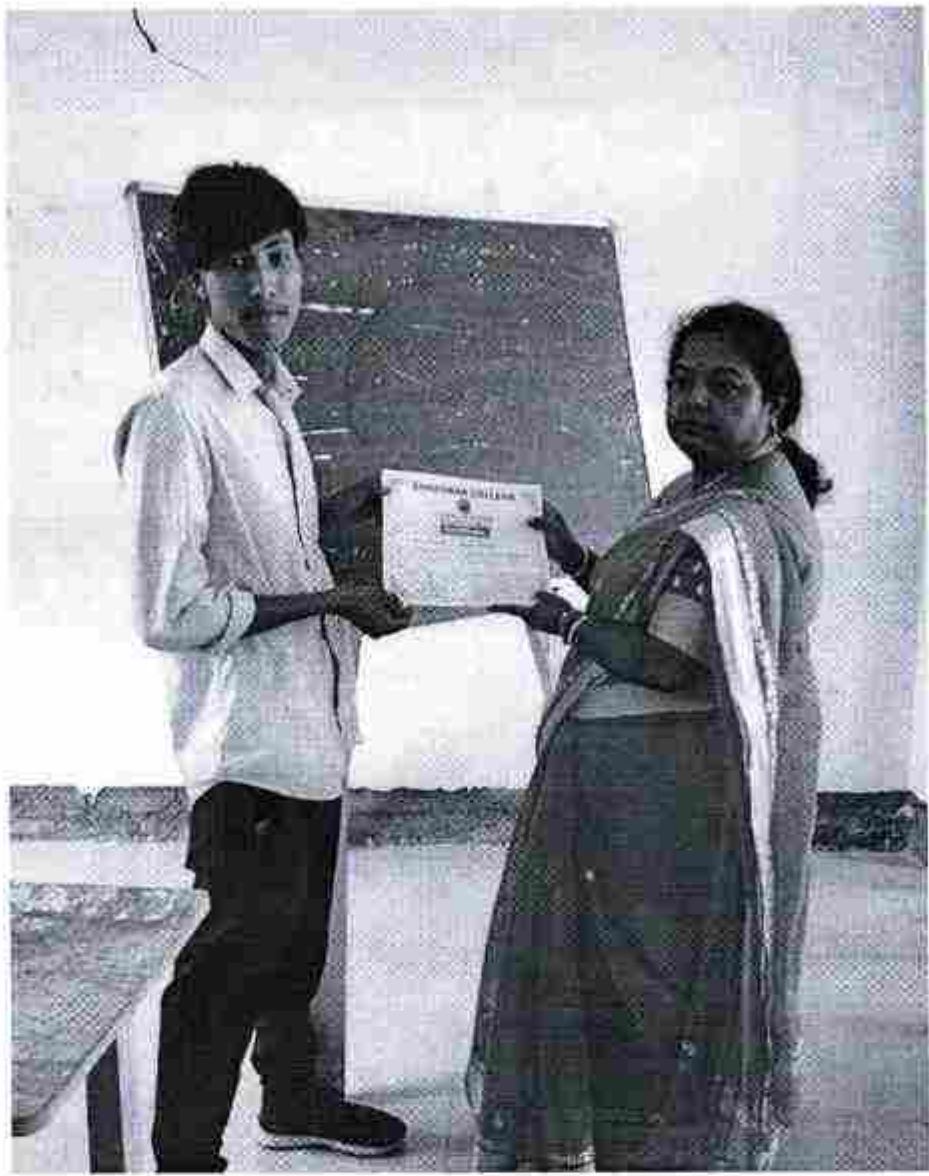
| Sl. No. | Roll No. | Name of the Student | P | P | P | P | P | Signature |
|---------|----------|---------------------|---|---|---|---|---|-----------|
| 1 | 62 | Chabana Harshika | P | P | | | | |
| 2 | 109 | Sakita Rajgadh | | | | | | |
| 3 | 117 | Hemans Sas | | | | | | |
| 4 | 132 | Mampi Saka | P | P | | | | P |
| 5 | 139 | Ranjit Chamuch | | | | | | |
| 6 | 215 | Gyatali Muchhary | P | | | | | P |
| 7 | 224 | Edul Ali | | | | | | |
| 8 | 237 | Himadri Sarania | P | P | | | | P |
| 9 | 243 | Sahel Sadlat | | | | | | |
| 10 | 383 | Rakha Devi | P | P | P | | | |
| 11 | 452 | Ripul Ali | | | | | | |
| 12 | 456 | Chinmay Rajbangshi | | | | | | |
| 13 | 461 | Rajib Saka | | | | | | |
| 14 | 405 | Ujjal Kalita | | | | | | |
| 15 | 505 | Singhu Bhuyan | | | | | | |
| 16 | 516 | Jyoti Rakha Saka | P | P | | | | P |
| 17 | 555 | Champa Devi | P | P | P | | | P |
| 18 | 579 | Gautam Swargingy | | | P | | | P |
| 19 | 626 | Nirmal Chauhani | | | | | | |
| 20 | 800 | Apurva Kalita | P | P | | | | P |
| 21 | 917 | Sidhyoti Saka | | | | | | |

of Class Stream

Session 2023 2024
 the month of November

| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Rest of Session | June | July | August | September | October | November | January | February | March | April | May | Total Lectures delivered | Total No. of Presence | Percentage | Shortage |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------|------|------|--------|-----------|---------|----------|---------|----------|-------|-------|-----|--------------------------|-----------------------|------------|----------|
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Jurika
 Programme Coordinator



GORESWAR COLLEGE



GORESWAR, BAKSA, BTR, ASSAM

Website : goreswarcollege.ac.in

Certificate

This is to certify that Mr. / Ms. Mampi Aka
of 5th Semester for the session 23-24 has successfully completed the certificate course in
Oral History from the Dept. of History
from October to November 23.

Principal
Goreswar College

Dr. Pramod Medhi
Programme Co-ordinator
Goreswar College

Programme Co-ordinator
Goreswar College Add On Courses
Department of

Goreswar College, Goreswar



Department of Mathematics

Syllabus for the

Certificate Course in 'Data Analysis'

(To be introduced with effect from the academic year 2021-22)

**Course Co-ordinator: Rajani Boro, Asst. Professor,
Goreswar College.**

TAMULPUR, BTR, ASSAM, 781366.

Ordinance: Title of Course

'Certificate Course in "Data Analysis".'

Ordinance: Eligibility

A candidate for being eligible at admission to the Certificate Course in Data Analysis must have passed XII standard examination From any stream from Assam State Board of Higher Education or as equivalent thereto.

Regulation: Duration of Course

30 Contact hours.

Regulations: Intake Capacity

25 candidates per batch

Course Objectives:

The Objectives of this course is to make the students able to reflect on the ethics of the questions asked of data, the method of acquiring the data, the mode of data analysis/Visualisation

Course Outcomes:

This course will enable the students to use various tools and techniques to collect, clean, process and analyse data, students will able to apply data analysis skills to solve real world problems, generate insights and make informed decisions.

Course Structure

30 Contact Hours Certificate Course on "Data Analysis"

| Units | Contents | Contact hours |
|--------------|--|-----------------|
| i | Data Analysis- Purpose and steps , Organizing and, Representing Data, Interpreting Data and Examples. | 2 |
| ii | Bar graphs, Reading a Bar graph, Pie Charts, Reading a Pie Charts, Examples | 8 |
| iii | Mean, Median, Mode and Range, Measures of Central Tendency, Examples. | 15 |
| iv | Categorical Data Defining Data ,Understanding Categorical Data, Categorical vs. Quantitative Data, Uses of Categorical | 5 |
| Total | | 30 hours |

Add On Course: Data Analysis
Department: Mathematics
Session: 2021-22

Name of the students who has been admitted 01/09/2021 for add on course 'Data Analysis,' Admission fee Rs-50/- only.

Course Co-ordinator: **Mr Rajani Boro, Asst Prof Dept of Mathematics.**
The Class started form 02/09/2021 to 04/10/2021

| Sl No | Name of Students | Department | Semester |
|-------|----------------------|------------|----------|
| 1 | Bayjanti Biswas | MAT | I |
| 2 | Jayarani Boro | MAT | I |
| 3 | Hitesh Kc Basumatary | MAT | I |
| 4 | Sarjay Boro | MAT | I |
| 5 | Swaminar Boro | MAT | I |



Class Photo 1



Class Photo 2

Report On
Certificate Distribution Programme
Department of Mathematics
Session: 2021-22
Total Students Participants – 05
Date :05/10/2021

The Certificate distribution programme of Add-on Course on 'Data Analysis' in college on 05/10/21 was organised by Department of Mathematics, Goreswar College, Goreswar. The Programme was inaugurated by Mr. Rajani Baro, Assistant Professor, Department of Mathematics. The certificates are distributed by the invited guest Mrs. Dolly Bala Brahma, Assistant Professor of Zoology, Goreswar College, Goreswar. And in the end vote of thanks was conducted by Devilata Boru Assistant Professor, Department of Mathematics, Goreswar College, Goreswar.



Certificate Distribution Photo


Principal KC

Course structure and Syllabus of

Add- on course

Title: Fundamentals of Mathematics & Statistics

Department: Business Mathematics & Statistics

Goreswar College, Goreswar

Duration: 30 Hours

Eligibility: H.S.

Objectives:

1. This paper seeks to furnish students from diverse streams (Arts, Science, and Commerce) after completing higher secondary education with fundamental mathematical and statistical techniques essential for analyzing data.
2. The course structure is designed for easy comprehension, ensuring even students unfamiliar with Mathematics & Statistics can grasp the concepts effortlessly.
3. The course structure is tailored to provide fundamental knowledge for comprehensive understanding in diverse academic fields.

Core course and the teaching scheme:

| Units | Contents | Contact Hours |
|--------|--|---------------|
| Unit-1 | Algebra Elements of set theory, open & closed sets, Vectors and matrices, determinant, rank, inverse of matrices. | 06 Hours |
| Unit-2 | Calculus | 07 Hours |

| | | |
|---------------|--|-----------------|
| | <p>a) Differentiation</p> <p>Mathematical functions and their types- linear, quadratic, polynomial; Concepts of limit and continuity of a function; Concept of differentiation; Rules of differentiation- simple standard forms. Application of differentiation- elasticity of demand and supply; Maxima and Minima of functions.</p> <p>b) Integration</p> <p>Preliminary idea and standard forms- integration formulae for a^x, a^{-x}, e^{-x}, x^n ($n \neq -1$).</p> | |
| Unit-3 | <p>Descriptive Statistics</p> <p>Measures of Central Tendency: Mean, Median, Mode, and Measure of Dispersion: Variance and Standard Deviation, skewness and kurtosis. Partition value: Quartiles, Quantiles and Interquartile</p> | 04 Hours |
| Unit-4 | <p>Theory of probability</p> <p>Concept, approaches, additive & multiplicative laws, conditional probability</p> | 06 Hours |
| Unit-5 | <p>Probability distribution</p> <p>Concept of a random variable: Expected values of a random variable - Variance of a random variable - Standard Discrete Distribution: Bernoulli, Binomial and Poisson Distribution, Standard Continuous Distribution: Normal distribution</p> | 07 Hours |

Course Outcomes:

- a) Grasp fundamental mathematical and statistical concepts.
- b) Conquer numerical anxiety.
- c) Connect and build upon diverse quantitative subject concepts, fostering a comprehensive understanding and application.

Programme Coordinator:

Mrs. Bibha Rani Talukdar

bibharani.talukdar@gmail.com

Assistant professor,

Department of Business mathematics & statistics

Goreswar College, Goreswar, Baksa



ADD ON COURSE: MUSHROOM CULTIVATION
DEPARTMENT OF BOTANY
GORESWAR COLLEGE

Aims and Objectives:

1. Enable the students to identify edible and poisonous mushroom.
2. Value edition of mushroom products.
3. To increase the production and consumption of mushrooms.
4. To create new employment opportunities for students and the youth through mushroom cultivation.
5. Learn marketing strategies.

Eligibility for the Course:

Candidates for admission to Certificate course in Mushroom Culture could possess a Higher Secondary school Education in Science subjects with Biology.

Duration: 30 Hours

Department of Botany, Goreswar College, under the aegis of IQAC organized an Add-On Course on "Add-On Course on Mushroom Cultivation" both in online/offline mode.

Class Coordinator: Mr. Chintu Mani Saikia
Miss Himashri Deka

About the Course

Mushroom cultivation is one of the promising and profitable enterprises that have gained popularity around the world. They are packed with essential vitamins, minerals and proteins. Mushroom cultivation plays an important role to improve the strength and livelihood of people through nutritional, medicinal and economic contributions. India is largely an agricultural country generating about 350 million tons of agro-waste annually. Mushrooms are cultivated on wheat and paddy straw and several other agro-wastes. This not only helps recycle agro-waste but also fills the nutritional gap prevalent among large population of India. This add on course will be of immense benefits to students who wish to adopt mushroom cultivation as a means of self-employment.

Syllabus

Unit 1: Mushroom Morphology

5 hours

Different parts of a typical mushroom, Key to differentiate Edible from Poisonous mushrooms, General morphology of fruiting bodies.

Unit 2: Common edible Mushrooms

5 hours

Burton Mushroom (*Agaricus bisporus*), Oyster mushroom (*Pleurotus sajorajju*), paddy straw mushroom (*Volvarellae volvacea*), Milky Mushroom (*Calocybe indica*); Other economically important and medicinal mushroom- Shitake Mushroom (*Lentinula edodes*), Kabul Dhingri (King Oyster) Mushroom.

Unit 3: Nutritional and Health benefits of Mushroom

5 hours

Antiviral value, antibacterial effect, antifungal effect, anti-tumour effect.

Unit 4: Disease and Pest Management in cultivated mushrooms

5 hours

Unit 5: Value addition of Mushroom

5 hours

Value added products / recipes, Quality assurance, Packing and packaging, Market opportunities.

Practical**5 hours**

1. Identification of mushrooms: *Pleurotus* and Edible mushroom (Chart/Specimens).
2. Field visit.

Text Book

1. Mushroom Cultivation, Tripathi, D.P (2005) Oxford and IBS Publishing Co. PVT. I, ID, New Delhi.
2. Mushroom Production and Processing Technology, PathakYadavGour (2010) Published by Agribios (India).

Course Outcome

1. Identify edible types of mushrooms.
2. Manage the diseases and pests of mushrooms.
3. Gain the knowledge of cultivation of different types of edible mushrooms.
4. Markets available for commercial production.
5. Develop research aptitude.

Total No. of Students Registered: 27**Batch wise students enrolment and completion status****1st Batch: From 15/09/2021 to 30/10/2021:**

| Sl. No | Name of Student | University Roll No. | Mode of course | Completion status | Certificate Distribution |
|--------|-----------------|---------------------|----------------|-------------------|--------------------------|
| 1. | Jharna Dey | UG117S210015 | Online | Completed | Yes |
| 2. | Dimpu Das | UG117S210011 | Online | Completed | Yes |
| 3. | Sufiya Khatun | UG117S210037 | Online | Completed | Yes |
| 4. | RupanDevnath | UG117S210032 | Online | Completed | Yes |
| 5. | RimsonNarzary | UG117S210029 | Online | Completed | Yes |
| 6. | RupjyotiNath | UG117S210033 | Online | Completed | Yes |

2nd Batch: From 10/09/2022 to 09/10/2022:

| Sl No | Name of Student | University Roll No. | Mode of course | Completion status | Certificate Distribution |
|-------|---------------------|------------------------|-------------------|----------------------|-----------------------------|
| 1. | Birina Deka | UG117S220009 | Offline | Completed | Yes |
| 2. | Rimangsa Basumatary | UG117S220033 | Offline | Completed | Yes |
| 3. | Jon Boro | UG117S220019 | Offline | Completed | Yes |
| 4. | Mohini Boro | UG117S220032 | Offline | Completed | Yes |
| 5. | Hirokmoni Swargiary | UG117S220017 | Offline | Completed | Yes |
| 6. | Pinku Dalmary | UG117S220039 | Offline | Completed | Yes |
| 7. | Raju Das | UG117S220032 | Offline | Completed | Yes |
| 8. | Bhargab Pratim Nath | UG117S220003 | Offline | Completed | Yes |
| 9. | Kishor Deka | UG117S220020 | Offline | Completed | Yes |
| 10. | Sonia Swargiary | UG117S220037 | Offline | Completed | Yes |

3rd Batch: From 12/10/2023 to 20/11/2023:

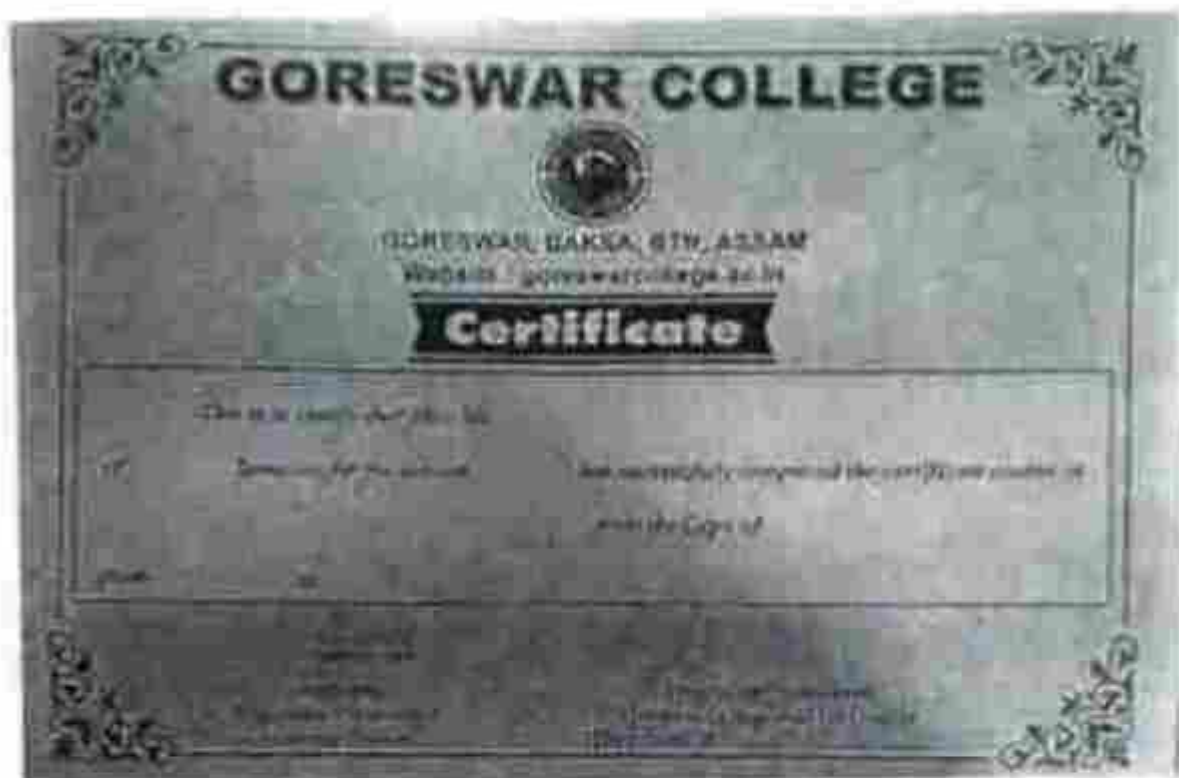
| Sl No | Name of Student | University Roll No. | Mode of course | Completion status | Certificate Distribution |
|-------|-----------------------|------------------------|-------------------|----------------------|-----------------------------|
| 1. | Nayan Kalita | A/F | Offline | Ongoing | No |
| 2. | Somitra Boro | A/F | Offline | Ongoing | No |
| 3. | Abinash Das | A/F | Offline | Ongoing | No |
| 4. | Sanjay Nath | A/F | Offline | Ongoing | No |
| 5. | Daizi Rani Basumatary | A/F | Offline | Ongoing | No |
| 6. | Ansuma Boro | A/F | Offline | Ongoing | No |
| 7. | Jinu Das | A/F | Offline | Ongoing | No |
| 8. | Israfull Haque | A/F | Offline | Ongoing | No |
| 9. | Asmina Tasmin | A/F | Offline | Ongoing | No |
| 10. | Rituj Kumar Kalita | A/F | Offline | Ongoing | No |
| 11. | Ariska Masum | A/F | Offline | Ongoing | No |

All the Courses for the 1st batch and 2nd batch were completed successfully in October, 2021 and October, 2022 respectively. Certificates were distributed accordingly in the month of November, 2021 and November, 2022.

Photographs of Classes



Photographs of Certificate format and certificate distributions event





(Chinta Mani Saikia)
Programme Co-ordinator
Goreswar College Add On Courses
Department of Botany

ADD ON COURSE: POULTRY
SCIENCE



Department of Zoology
Goreswar College, Goreswar
2021-2022

Aims and Objectives:

1. To provide supplementary income and subsidiary employment.
2. To revitalization of rural poultry through supply of low input technology birds to under privileged section of the society to improve their economic status.
3. Making availability of quality seeds.
4. Strengthening of feed quality monitoring wing.

About the course:

The course aims to impart systematic and scientific knowledge about poultry science. It also aims to make students aware of the job opportunities in the field of poultry and motivate them for self employment.

Course outcome:

The course will enlighten the students about the operation of livestock and poultry farming. Learning of poultry farming will generate a source of employment opportunities in rural areas.

Eligibility for the Course:

Candidate for admission to certificate course in Poultry Science must be 10+2 passed with Zoology

Duration :30 hours

Department of Zoology, under the aegis of IQAC, Goreswar College organized a course on "Add on Course on Poultry Science" from 01/09/21 to 10/11/21.

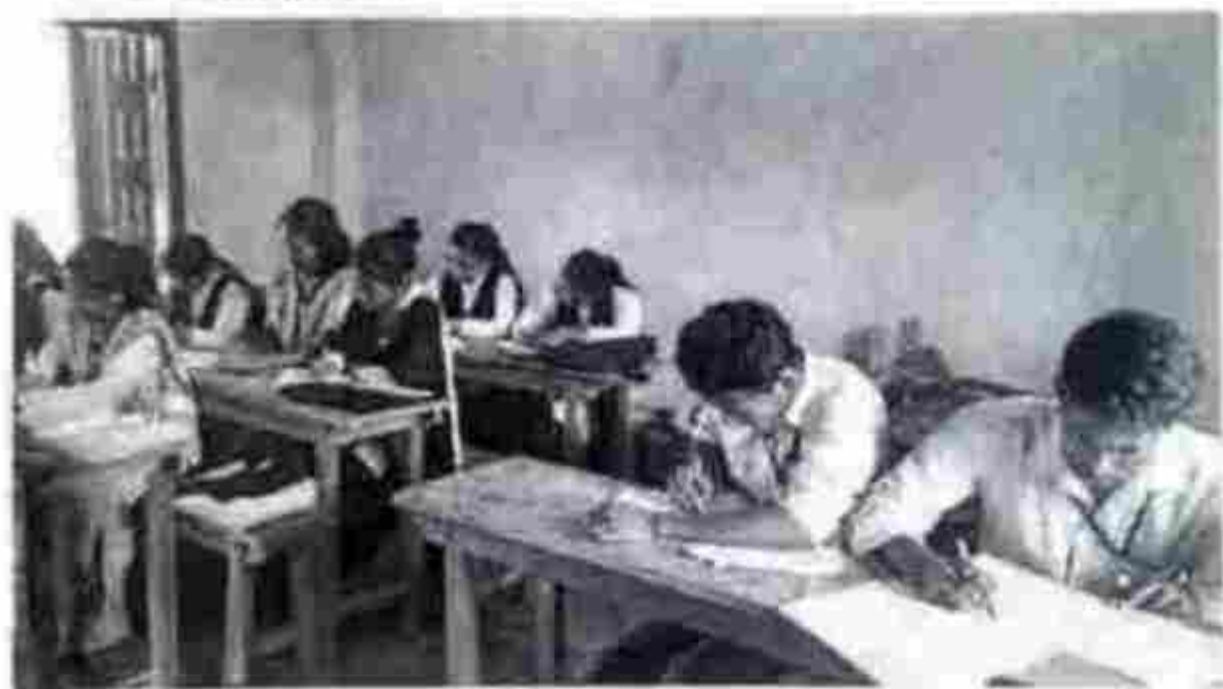
Course co-ordinator :Manisha Deka

2021-2022

Name of the students-

1. Arun Kumar
2. Mahesh Kumar
3. Anand Kumar
4. Anand Kumar
5. Anand Kumar
6. Anand Kumar
7. Anand Kumar

Roll No. of the students-



Principal
Government College

ZOOLOGY DEPARTMENT
ADD ON COURSE: POULTRY SCIENCE
SYLLABUS:

Unit:1. Introduction to Poultry Science

- *Definition of poultry
- *Importance of poultry farming and Poultry development in India

Unit:2. Scientific Poultry Keeping

- *Modern breeds of chicken –varities used for modern breeding.
- *Present day egg production in line.
- *Present day meat production in line.

Unit:3. Diversified Poultry

- *Ducks and Geese –Introduction, Advantages, classification—Duck rearing system.
- *Desi –Chicken— Introduction –Indigenous Breeds and Economical aspects of desi chicken.

Unit:4. Poultry Diseases

- *Diseases definition
- *Etiology of diseases
- *General classification

Unit:5. Poultry Entrepreneurship

- *Marketing of Eggs.

Zoology Department

Certificate Distribution :2021-2022

Today (13-11-21) Zoology Department has finally completed their first session of Add-on-course on Poultry Science and distributed certificate to successful candidates. Only six students took admission and successfully completed their course. Certificates was distributed by Miss Abhashree Rajbongshi HOD Physics Department and faculties of different departments.



ADD ON COURSE: SOLAR ECLIPSE
2022



Department of Physics
Goreswar College, Goreswar

Aim and Objectives:

1. The aim of this study was to analyse the understanding of students' concept on solareclipse phenomena.
2. Trying to understand the sun without seeing its corona would have been like trying to learn about Earth without ever seeing its atmosphere.

Course Outcomes:

1. It explains through hands-on activities, the occurrence of the eclipse and then helps children develop tools to see it.
2. Total Solar Eclipses provided an opportunity to study earth atmosphere under uncommon conditions.

Eligibility for the Course:

Candidate for admission to Certificate course in Solar Eclipse must be 10+2 passed with physics, chemistry and mathematics.

Duration: 30 hours

Department of Physics, under the aegis of IQAC, Govindwar College organized a course on "Add on Course on Solar Eclipse" from 9/09/2022 to 9/11/2022.

Class co-ordinator:

Ashwari Rajiwangshi


Principal Vc
Govindwar College

Syllabus

Unit-1: Eclipse, Solar Eclipse, meaning and definition, develop tools to see solar eclipse, transits of mercury and venus, Transits of extra solar planets, across Sun, penumbra eclipse, chromosphere. Types of Solar Eclipse - Total solar Eclipse, Partial Solar Eclipse, Annular Solar Eclipse, Hybrid Solar eclipse (20 Hours).

Unit-2: Why total Solar Eclipse are important to science Introduction, Scientific experiments, coronal structure, Polarization of white-light corona, Active processes and their environment, Shadow bands and related atmospheric conditions, Conclusion (10 Hours).

Total course duration: 30 hrs

Lectures: 3 hrs. per week

Test -1: 20 Marks

(Each question carries 5 marks)

1. What is called eclipse? Write about solar eclipse with diagram.
2. Write about the types of Solar Eclipse.
3. Write about the Coronal structure of sun and the impact after eclipse.
4. Write about the atmospheric condition of sun after Solar Eclipse.

Certificate Distribution Programme

Dept of Physics

Session: 2022-23

Date: 12-11-22

Total no. of student participants- 05

The Certificate distribution programme of Add on course on "Solar Eclipse" in college on 12-11-22 was organized by Dept of Physics, Goreswar college, Goreswar. The programme was inaugurated by Abhasri Rajbongshi, Asst prof, Dept of Physics, Goreswar college, Goreswar. The certificates are distributed by the invited guest Miss Jayashree Hazarika, Asst prof, Dept of Chemistry and Miss Manisha Deka, Asst Prof, Dept of Zoology, Goreswar College, Goreswar and in the end vote of thanks was conducted by Abhasri Rajbongshi, Asst Prof, Dept of Physics, Goreswar College, Goreswar.



ADD ON COURSE: SOLAR ENERGY



Department of Physics
Goreswar College, Goreswar

Aim and Objectives:

1. To provide theoretical training on solar energy with special emphasis on Solar Photovoltaic Systems.
2. To provide knowledge on various schemes undertaken by government for skill based green jobs as a career option.
3. To encourage entrepreneurship.

Course Outcome:

1. A student will have skilled based knowledge about the emerging area of renewable energy systems.
2. A student will have knowledge about the solar energy measurement technique.
3. A student will be able to consider solar energy as a means of self-employment and source of income.

Eligibility for the Course:

Candidate for admission to Certificate course in Solar Energy must be 10+2 passed with physics, chemistry and mathematics.

Duration: 30 hours

Department of Physics, under the aegis of IQAC, Goreswar College organized a course on "Add on Course on Solar Energy" from 1/09/2021 to 10/11/2021.

Class co-ordinator: Abhasri Rajbongshi


Principal Vc
Goreswar College

Syllabus

Unit 1: Basics of Electricity (2 hrs)

Basics of electricity: ohm's law (voltage, current & resistance), series and parallel connection, measuring instruments, dc power, ac power, energy, earthing.

Unit 2: Classification of Energy Sources (2 hrs)

Classification of energy sources: conventional (coal, oil and gas) and renewable sources (solar, biomass, wind, hydro, geothermal, tidal, etc.); sun as the source of energy.

Unit 3: Solar Photovoltaic System (10 hrs)

Solar cell and its function, solar technologies, solar cell parameters, efficiency of solar cell, solar PV module, rating of solar PV module, PV module parameters, efficiency of PV module, measuring module parameters, connection of PV module in series and parallel, estimation and measurement of PV module power, selection of PV module. Types of solar PV system, design methodology for SPV system, design of off grid solar power plant, design and development of solar street light and solar lantern.

Unit-4: Solar Energy Measurement Technique (10 hrs)

Pyranometer and Pyrheliometer

Unit 5: Application of Solar Energy (4 hrs)

Total course duration: 30 hrs

Lectures: 5 hrs. per week

Test -1: 20 Marks

1. What are Pyrheliometers?
 - Instruments measures beam radiations
 - Instruments measures Diffuse radiations
 - Instruments measures Direct radiations only
 - None of the above
2. How much solar radiation does "Standard Test Conditions" or "Standard Solar Radiation" refer to?
 - 1000 W/m²
 - 1367 W/m²
 - 1500 W/m²
 - 950 W/m²
3. DNI stands for:
 - Direct Normal Irradiance
 - Direct National Irradiance
 - Direct New Incidence
 - Diverse Normal Incidence
4. Most of solar radiations received on earth surface is within the range of
 - 0.1 - 0.25 micron
 - 0.25 - 0.04 micron
 - 0.04 - 0.8 micron
 - 0.6 - 0.95 micron
5. How much Annual GHI (Global Horizontal Irradiation) does Delhi receive?
 - 5.5 - 6.0 kWh/m²/day
 - 5.0 - 5.5 kWh/m²/day
 - 5.0 - 5.5 kW/day
 - 6.0 - 6.5 kWh/m²/day
6. How much solar radiation is received at the top of the Earth's atmosphere?
 - 1367 Watts/m²
 - 1367 Watts
 - 1000 Watts/m²
 - 1000 Watts

7. Direct solar irradiance, also called the "direct solar irradiation" or the "direct normal irradiation (DNI)" is the solar irradiance on a surface heldto the sun's while blocking the diffuse sky radiation.

8. What is meant by "Standard Solar Radiation"?

- 1000 W/m²
- 900 W/m²
- 1000 mW/m²
- 1367 W/m²

9. What is the solar irradiance at the top of the Earth's atmosphere?

- 1367 W/m²
- 1000 W/m²
- 1200 mW/m²
- 1440 kW/m²

10. What is Solar Photo Voltaic Cell? Draw a circuit diagram of Photo Voltaic Cell.
Or,

Write the uses of Solar Energy.

Add on Course 2021-2022



Add on Course 2022-23

ADD ON COURSE: SOLAR ENERGY



Department of Physics
Goreswar College, Goreswar


Principal /c
Goreswar College

Aim and Objectives:

1. To provide theoretical training on solar energy with special emphasis on Solar Photovoltaic Systems.
2. To provide knowledge on various schemes undertaken by government for skill based green jobs as a career option.
3. To encourage entrepreneurship.

Course Outcome:

1. A student will have skilled based knowledge about the emerging area of renewable energy systems.
2. A student will have knowledge about the solar energy measurement technique.
3. A student will be able to consider solar energy as a means of self-employment and source of income.

Eligibility for the Course:

Candidate for admission to Certificate course in Solar Energy must be 10+2 passed with physics, chemistry and mathematics.

Duration: 30 hours

Department of Physics, under the aegis of IQAC, Goreswar College organized a course on "Add on Course on Solar Energy" from 1/09/2021 to 10/11/2021

Class co-ordinator: Abhasri Rajbongshi

2021-2022

Name of the Students :

1. Kishor Baruah
2. Mansur Ali
3. Narmulammal Sah Deivan
4. Jayarani Baro
5. Bayjanti Biswas
6. Hitesh Kumar Baumatary
7. Swgwanuar Boro
8. Sanjoy Boro

Add on Course 2021-2022 (Class)



Aim and Objectives:

1. To provide theoretical training on solar energy with special emphasis on Solar Photovoltaic Systems.
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Course Outcome:

1. A student will have skilled based knowledge about the emerging area of renewable energy systems.
2. A student will have knowledge about the solar energy measurement technique.
3. A student will be able to consider solar energy as a means of self-employment and source of income.

Eligibility for the Course:

Candidate for admission to Certificate course in Solar Energy must be 10+2 passed with physics, chemistry and mathematics.

Duration: 30 hours

Department of Physics, under the aegis of UAC, Goreswar College organized a course on "Add on Course on Solar Energy" from 9/09/2022 to 9/11/2022

Class co-ordinator: Abhasri Rajbongshi

2022-2023

Name of the Students

1. Rupalid Swargitry
2. Himangshu Keot
3. Mukul Das
4. Rainbow Narzary
5. Tamoy Boro

Add on Course 2022-23(Class)



Aim and Objectives:

1. To provide theoretical training on solar energy with special emphasis on Solar Photovoltaic Systems.
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Course Outcome:

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Eligibility for the Course:

Candidate for admission to Certificate course in Solar Energy must be 10-2 passed with physics, chemistry and mathematics.

Duration: 30 hours

Department of Physics, under the aegis of IQAC, Goreswar College organized a course on "Add on Course on Solar Energy" from ...9/07/23.....to ...31/12/23.....

IQAC co-ordinator: Dr. Bhaba Kumar Sarma

Class co-ordinator: Abhasri Rajbongshi

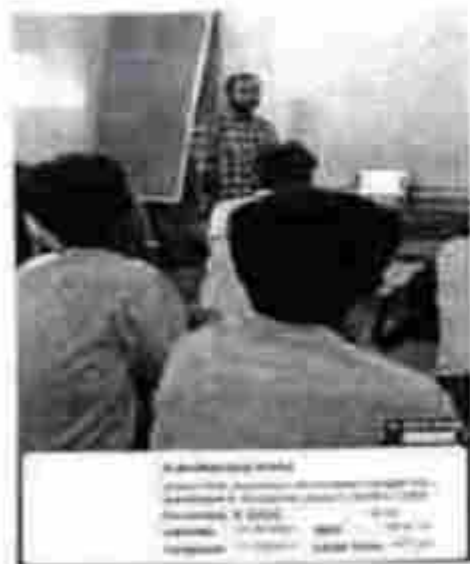
Nitul Sarma

2023-24

Name of the Students:

1. Shyamika Sarkar
2. Raghavdai Nazzary
3. Sanjib Daimary
4. Deepjyoti Kalita
5. Baso Ram Baxantary
6. Bichingsha Boro
7. Madhmita Boro
8. Mumfuresha Bora

Add on Course Solar Energy 2023-2024(Class)



Syllabus

Unit 1: Basics of Electricity (2 hrs)

Basics of electricity: ohm's law (voltage, current & resistance), series and parallel connection, measuring instruments, dc power, ac power, energy, earthing.

Unit 2: Classification of Energy Sources (2 hrs)

Classification of energy sources: conventional (coal, oil and gas) and renewable sources (solar, biomass, wind, hydro, geothermal, tidal, etc.); sun as the source of energy.

Unit 3: Solar Photovoltaic System (10 hrs)

Solar cell and its function, solar technologies, solar cell parameters, efficiency of solar cell, solar PV module, rating of solar PV module, PV module parameters, efficiency of PV module, measuring module parameters, connection of PV module in series and parallel, estimation and measurement of PV module power, selection of PV module. Types of solar PV system, design methodology for SPV system, design of off grid solar power plant, design and development of solar street light and solar lantern.

Unit-4: Solar Energy Measurement Technique (10 hrs)

Pyranometer and Pyrheliometer.

Unit 5: Application of Solar Energy (4 hrs)

Total course duration: 30 hrs

Lectures: 3 hrs. per week

Test -1: 20 Marks

1. What are Pyrheliometers?
 - Instruments measures beam radiations
 - Instruments measures Diffuse radiations
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2. How much solar radiation does "Standard Test Conditions" or "Standard Solar Radiation" refer to?
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3. DNI stands for:
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 - Diverse Normal Incidence
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 - 0.1 - 0.25 micron
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 - 0.6 - 0.95 micron
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 - 5.0- 5.5 kW/day
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- 1200 mW/m²
- 1440 kW/m²

10. What is Solar Photo Voltaic Cell? Draw a circuit diagram of Photo Voltaic Cell.
Or,

Write the uses of Solar Energy.

Certificate Distribution Programme

Dept. of Physics

Session: 21-22-2022

Date: 31-11-21

Total students participants- 08

The Certificate distribution programme of add an course on "Solar energy" in college on 31-11-21 was organised by Dept. of Physics, Goreswar college, Goreswar. The programme was inaugurated by Abhatri Rajbongshi, Asst Professor, dept of Physics. The Certificates are distributed by the invited guest Mr Rajni Bora, Asst prof., Dept of Mathematics and Mrs Dolly Bala Brahma, Asst. Prof. of Zoology, Goreswar College, Goreswar. At the end vote of thanks was conducted by Abhatri Rajbongshi, Asst prof. Dept of Physics, Goreswar college, Goreswar.



Certificate Distribution Programme

Dept of Physics

Session: 2021-23

Date: 12-11-22

Total no. of students participants- 05

The Certificate distribution programme of Add on course on "Solar energy" in college on 12-11-22 was organised by Dept of Physics, Goreswar college, Goreswar. The programme was inaugurated by Abhisar Rajbongshi, Asst prof., Dept of Physics, Goreswar college, Goreswar. The certificates are distributed by the invited guest Miss Jayashree Hazarika, Asst prof. Dept of Chemistry and Ms Chaitumani Saikia, Asst Prof. Dept of Botany, Goreswar College, Goreswar and in the end Vote of thanks was conducted by Abhisar Rajbongshi, Asst. Prof. Dept of Physics, Goreswar College, Goreswar.



Certificate Distribution Programme

Dept of Physics

Session: 2023-24

Date: 07-11-23

Total no. of student participants: 10

The Certificate distribution programme of All on course on "Solar energy" in college on 12-11-22, was organised by Dept of Physics, Goreswar college, Goreswar. The programme was inaugurated by Abhisri Rajbongshi and Nital Sarmah, Asst prof., Dept of Physics, Goreswar college, Goreswar. The certificates are distributed by the invited guest Miss Jyotirmita Kashyap, Asst prof., Dept of Mathematics and Miss Manisha Deka, Asst Prof, Dept of Zoology, Goreswar College, Goreswar. And in the end vote of thanks was conducted by Abhisri Rajbongshi, Asst prof, Dept of Physics, Goreswar College, Goreswar.



ADD-ON COURSE

OPTIC/TITLE: Introduction to Human Rights

Course Title: Introduction to Human Rights (Certificate Course: Offered by the department of Political Science, Goreswar College)

Course Overview: This course provides a comprehensive introduction to the concept of human rights, exploring their historical development, theoretical foundations, and contemporary issues. Through a multidisciplinary approach, the course aims to equip students with a solid understanding of human rights, enabling them to critically analyze human rights issues and advocate for social justice.

Course Duration: 30 contact hours.

Learning Objectives: By the end of this course, students should be able to:

Understand the origins, evolution, and philosophical foundations of human rights.

Identify and explain the core principles and values of human rights.

Analyze and evaluate key international human rights instruments and mechanisms.

Recognize and assess the main challenges and dilemmas in the field of human rights.

Syllabus:

Unit 1: Introduction to Human Rights

- Concept, meaning and definition of human rights
- Historical evolution of human rights

Unit 2: Institutional Arrangements

- The Universal Declaration of Human Rights.
- International Covenant on Civil and Political Rights
- International Covenant on Economic, Social and Cultural Rights.

Unit 3: Philosophical Foundations of Human Rights


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- Natural rights theory
- Cultural relativism and Universal Human Rights

Unit 4: Civil and Political Rights

- Right to life, liberty, and security of person
- Freedom of expression, assembly, and association

Unit 5: Human Rights and Vulnerable Groups

- Rights of women, children, refugees, and indigenous peoples
- Emerging issues: climate change, migration, and discrimination.

Suggested readings:

1. Sergio, Baradat and Ghosh, Swaronjali, Teaching of Human Rights : Dominant Publishers and distributors, New Delhi, 2009.
2. Roy, A.N. Human Rights Achievements and challenges : Vista international Publishing house, Delhi, 2005.
3. Das, Ashish Kumar and Mohanty, Prasant Kumar . Human Rights In India: Sarup and Sons, New Delhi, 2007.
4. Borgohain, Bani . Human Rights Social Justice and Political Challenge. Kaniska Publishers and distributors New Delhi, 2007
5. Velan, G. Human Rights and Development issues: The Associated publishers, Ambala cantt. 2008.
6. Meena, P.K. Human Rights theory and practice: Murail Lal and Sons, New Delhi, 2008.
7. Panda, Bhavani Prasad . Human Rights Development and Environmental law: Academic excellence, Delhi, 2007.
8. Vichwanathan, V.N. Human Rights – Twenty First Century Challenges: Kalpaz Publications, New Delhi, 2008.
9. Yasin, Ul Adil. Human Rights. Akansha Publication. 2004

B. S. Singh
 HoD
 Dept. of Political Science
 Goreswar College

CB
 Principal / VC
 Goreswar College

ZOOLOGY DEPARTMENT
ADD ON COURSE - AQUACULTURE

Unit 1: Introduction

Aquaculture: Definition, Types, Benefits
and Importance of Aquaculture

Unit 2: Culture

Sustainable Aquaculture, Extensive, Intensive culture of fish,
Pen and cage culture, Polyculture, Composite fish culture,
Induced breeding of fish

Unit 3: Management / Maintenance

Broodstock Management, Maintenance of fish aquarium

Unit 4: Fish Disease

Bacterial, Parasitic

Unit 5: preservation and processing of fish, Fishery by - products

PRACTICAL

1. Maintenance of aquarium
2. Identification of fishes
3. Field visit to Fishery Department

Saty Bala Brahma
Zoology Department

NS
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Goreswar College

CS676: Structure of Creative Writing in Assamese

- Unit 1: Application Writing: Memo, Minutes
- Unit 2: Courier & Lettering
- Unit 3: Prose writing: Capitalizing
- Unit 4: Writing of Speech, A Essay Writing

Reference Books:

1. Applied Writing: Saptarathi Devi
2. Practical Prose, (Ananta Kumar Das)
3. Prose: Ananta Kumar Das
4. Prose: Ananta Kumar Das (New Edition)

Assignment & Questions

1. Define creative writing in Assamese.
2. Write a memo on any topic.

5

Add-on Course Syllabus

Title of the Course: Certificate in Advanced Tally with GST

Department: Accountancy (Commerce Stream)

Duration of the Course: 30 Hours

Eligibility: NS Pass (Any stream)

Syllabus

| Unit | Course Content | Hours |
|--------------------------------------|--|---------|
| BASIC OF ACCOUNTING | Introduction to Accounting, Accounting Methods, Golden Rules of Accounting, Final Account (P & L Account/Balance Sheet), Recording of Transactions, Creating and Maintaining a Company. | 4 Hours |
| BASIC OF TALLY ERP 9 | Introduction to Tally Software, Accounting Features, Configuration of Tally, Advantages of Tally Software, Company Creation in Tally, Groups and Ledgers, Recording office expenses. | 2 Hours |
| ADVANCE ACCOUNTING VOUCHERS | Purchase Voucher, Sales Voucher, Contra Voucher, Payment Voucher, Receipt Voucher, Debit Note Voucher, Credit Note Voucher, Journal Voucher, Reverse Voucher, Reverse Journal Voucher, Memorandum Voucher (MEMO). | 5 Hours |
| ADVANCE INVENTORY VOUCHER | Introduction to Inventory, Stock Items, Stock Groups, Units of Measure (UOM), Godown/Location, Purchase Order Voucher, Sales Order Voucher, Rejection out Voucher, Rejection in Voucher, Stock Journal Voucher, Delivery Note Voucher, Receipt Note Voucher. | 4 Hours |
| BANK RECONCILIATION | Interest Calculations, Electronic Payments, Sources of Financing, Collaterals (Types of Loans), Data Required for Financing, Use contra Vouchers, Use Payment Voucher, Use Receipt Voucher, Verify Bank Book, Verify Passbook. | 2 Hours |
| MULTY CURRENCY | Foreign Exchange, Use Foreign Currency. | 1 Hours |
| COST CENTER AND COST CATEGORY | Use Cost Center, Cost Category, Cost Center Breakup, Pre-defined Cost Center, Use Cost Center, Cost Category, Cost Center Breakup, Pre-defined Cost Center. | 2 Hours |
| GOODS & SERVICE TAX (GST) | GST Concepts and Acceptability, Tax Components of GST, Creating GST Classifications (SGST/CGST/IGST) Recording GST Transactions of Trading Firms, Recording GST Transactions of Service Providers, Generating GST Reports, Exporting Data for Returns Summary, GST Reports - GSTR1, GSTR2, GSTR3 and GSTR 3B, GST Challan's, Payments & Due Dates, Exporting Data for Returns form GSTR1, GSTR2, GSTR3 and GSTR 3B. | 5 Hours |
| TAX DEDUCTED AT SOURCES | Exemption, Lower Rate, Payment and Enable TDS, TDS Features in Tally, Enabling TDS, Creating Ledgers ready for TDS entries, TDS Reports. | 1 Hours |
| PAYROLL SYSTEM | Payroll and Statutory Details, Pension Scheme and Insurance, Payroll Units, PF and ESI (Provident Fund Employees State Insurance), Income Tax, Monthly Leaves, Gratuity - Pay Heads, Payroll Ledgers, Payroll Voucher, Attendance Voucher, Pay slips. | 2 Hours |
| MIS REPORTS | Interest Calculations, Outstanding Entries, Mutual Adjustments, Export Data in Excel, PDF or HTML Formats Account Confirmation, Depreciation, Day Book Reports, Trial Balance, Account Books Statement of Accounting, Statutory Reports. | 1 Hours |
| DATA SECURITY | Bill by Bill Details, Settlement, Data Management Backup, Restore Data, Split Data, Import Data, Export Data, and Security Control. | 1 Hours |

Course Coordinator

Mr. Raju Dasgupta
Assistant Professor
Department of Accountancy
Commerce Stream


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Economics

Syllabus

Diploma in Tourism Management

Unit 1: Tourism- An Introduction

- 1.4 Concept, Meaning and Significance
- 1.5 History of Tourism
- 1.6 Types of Tourism

Unit 2: Hospitality Management

- 2.1 Meaning and Concept
- 2.2 Scope and Prospects in Hospitality Sector
- 2.3 Basic Department in the Hospitality Sector

Unit 3: Tourism in Wildlife

- 3.1 History of Wildlife Conservation in Assam
- 3.2 wildlife Sanctuaries in Assam

Unit 4: fairs and Festivals of Assam/NE

- 1.3 Festivals in Assam
- 1.4 Fairs in Assam

***Students have to submit Project Report on Filed Study.**

ADD-ON COURSE SYLLABUS

Title of the course: Basic Digital Marketing

Department: Management (Commerce)

Duration of the course: 30 Hours

Eligibility: H.S Pass (Any Stream)

Objectives of the course:

The objectives of this course is to make people aware about the internet marketing, how to increase customer and building brand image of the business and learning how to track customer with specific interest, building proper communication.

Contents:

Unit I: Introduction to Digital Marketing- 4 Hours

Defining Digital Marketing, how is it different from traditional marketing, why is it relevant now, opportunities of digital marketing.

Unit II: Search Engine Optimisation (SEO)- 4 Hours

Introduction to SEO, search engine working, Techniques used to optimize any article, website, or blog for traffic and revenue generation.

Unit III: Social Media Marketing- 8 Hours

Introduction to social media marketing, Facebook Marketing, Instagram Marketing, Youtube Marketing, LinkedIn Marketing, Twitter Marketing, Quora Marketing, creating newsletter for E-mails, sending bulk emails, email marketing tools.

Unit IV: Search Engine Marketing- 4 Hours

What is a Google Ad word, Google Ads Campaign, Search Campaign, Creating Successful ads.

Unit V: E-Commerce Management- 5 Hours

Introduction to e-commerce marketing, uses of e-commerce in daily life, e-commerce website SEO, e-commerce sales through Facebook, effective strategy plan for e-commerce website.

Unit VI: Mobile Marketing- 5 Hours

Introduction to Mobile Marketing, Mobile Marketing platforms, creating ads for mobile apps, how to make business from mobile marketing, Effective mobile marketing strategy.

Programme Co-ordinator

Chitraranjan Sarkar

Chitraranjan Sarkar

Department of Management

Email ID- chitraranjan.sarkar7@gmail.com

Mobile number- 7086223762



Certificate course on 'Fundamentals of Archaeological Tourism'

Organised by

Department of History, Goreswar College, Goreswar
Tamulpur, BTR, Assam

Introduction to the Course:

The aim of this course is to impart the basic knowledge of "Archaeology, Archaeological tourism and its characteristics and functions". The course has attempted to explain archaeology and study its characteristics and functions, concerning generalization of archaeology. The syllabus has also highlighted the Archaeological tourism as an efficient instrument to interact heritage and tourism in archaeological sites; and to change archaeological attractions into the tourism products and ultimately making archaeology knowledge public and generalize it. At the end of the course, firstly, students will be able to understand the importance of archaeology and archaeological tourism. Secondly, they can contribute to the preservation of archaeological sites and development of archaeological tourism.

A. DETAIL GUIDELINES:

| | | |
|------|----------------------------|---|
| I | Eligibility | Candidates who have passed 10+2 examinations. |
| II | No. of Seats | 50 Students |
| III | Course Fee | Rs. 700/- per students |
| IV | Duration of the course | 1 months (August to October) |
| V | Personal Contact Programme | There will be personal contact programme consisting of 33 classes. |
| VI | Attendance | 75% attendance of the classes held under the personal contact programme shall be compulsory for every student. Those students who are unable to fulfill the condition will not be eligible to sit in the end examination. |
| VII | Examination procedure | The examination shall consist of 10 Multiple Choice Questions, 1 essay type question of 10 marks and oral presentation of 10 marks. |
| VIII | Medium of Examination | The medium of examination shall be Assamese/English |
| IX | Award of Certificate | Each successful student or candidate will be awarded a certificate after having passed the examination |


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GRADE POINTS

A candidate will have to score C Grade for Pass in the examination. Grading System of successful candidates is shown below:

| Ranges of marks in % | Letter Grade | Category | Grade Point |
|----------------------|--------------|---------------|-------------|
| 90-100 | O | Outstanding | 10 |
| 80-90 | A+ | Very Good | 9 |
| 70-79 | A | Good | 8 |
| 60-69 | B+ | Above Average | 7 |
| 50-59 | B | Average | 6 |
| 40-49 | C | Simple Pass | 5 |

Those who secure less than 40% of marks shall be declared fail.

Course Coordinator: Dr. Nayan Kalita

Contact Number: 9864435074

Email: nayankalita1334@gmail.com

SYLLABUS OF CERTIFICATE COURSE

On

FUNDAMENTALS OF Archaeological Tourism

Duration of the course: 3 months (33 hours)

| Units | Course content | Details of Syllabus |
|-------|---|---|
| I | Definition and fundamentals of archeology | I. Definition II. Scope III. Categorization of Archeology IV. Preservation of the Sites |
| II | Archeology and its commercial approach (Promotion of Archeological Tourism) | I. Overview of archeological sites of Assam II. Concept of Archeological Tourism III. Promotion of Archeological Tourism IV. Constraints of Archaeo-tourism in Assam |
| III | Survey of Archeological Site – Madan Kamdev, Tamreswar Devalaya and Surya Pahar | Field Visit – I. Madan Kamdev II. Tamreswar Devalaya III. Dirgheswar Devalaya IV. Surya Pahar |

Reading List:

1. John A. Birrell: *A Companion to Archaeology*
2. D. R. Chakravarti: *A History of Indian Archaeology: From the Beginning to 1947.*
3. Mathew Johnson: *Archaeological Theory: An Introduction*
4. B. K. Baruah: *A Cultural History of Assam (Early Periods) Vol. 1.*
5. S. Borah: *Pragyantaru Eiyae Vihash.*
6. Percy Brown: *Indian Architecture*
7. S. Borah and M. C. Borah: *The Story of Tourism*

**NAME AND NUMBER OF STUDENTS PURSUING CERTIFICATE
COURSES IN 2021-22 SESSION**

| Sl. No | Roll No | Name of Students |
|--------|---------|-------------------|
| 1 | 002 | Gobinda Babha |
| 2 | 020 | Sureswar Boro |
| 3 | 038 | Sanjeev Oll |
| 4 | 039 | Barnali Sarania |
| 5 | 102 | Sagar Sangraha |
| 6 | 107 | Urmila Prasain |
| 7 | 136 | Shilpa Das |
| 8 | 154 | Hikash Gantam |
| 9 | 205 | Urmila Sanjayali |
| 10 | 223 | Jonali Rajbangshi |
| 11 | 226 | Arukul Das |
| 12 | 247 | Mamini Bhaskya |
| 13 | 261 | Klumi Devi |
| 14 | 269 | Pakhila Sarania |
| 15 | 281 | Jami Sarania |
| 16 | 283 | Pranab Kalita |
| 17 | 287 | Maima Rajgath |
| 18 | 310 | Dulimani Sarania |
| 19 | 365 | Violina Barnali |
| 20 | 404 | Pratima Boro |
| 21 | 408 | Hiranmoni Pathak |
| 22 | 484 | Bijuli Narzary |
| 23 | 493 | Kudish Talukdar |
| 24 | 584 | Rwimadi Boro |
| 25 | 595 | Sujana Boro |
| 26 | 605 | Suwala Sarania |
| 27 | 652 | Dipiyoti Das |
| 28 | 658 | Kangkani Boro |
| 29 | 774 | Dipika Sitoula |
| 30 | 782 | Arpun Upreti |

Juni Beka

HOD
Department of History


Principal Vc
Goreswar College

Finance

To
link
rural
areas

ADD-ON COURSE SYLLABUS

Title of the Course: "Certificate in Micro Finance and Rural Development"

Department: Finance (Commerce)

Duration of the Course: 30 Hours

Eligibility: HS Pass (Any Stream)

Objective of the Course:

The objectives of this course are to help students to understand how the rural people free from indebtedness and develop rural area through Micro Finance.

Course Contents:

Introduction: (3 Hours)

Need of Finance, Money Lenders, Indebtedness, Causes of Indebtedness, Remedies of Indebtedness

Micro Finance: (6 Hours)

Meaning and Definition of Micro Finance, Features and Objectives of Micro Finance, Benefits and needs of Micro Finance in the Economy of a Country, Micro Finance Institution.

Self Help Groups: (4 Hours)

Evolution of Self Help Groups, Features of SHGs, Grameen Model by Prof. Muhammed Yunus, SHGs and Women Empowerment.

Rural Planning & Development: (6 Hours)

Concept of Development, Indication of Development, Techniques & Planning of Rural Development and Panchayat Raj.

SHG-LINKAGE: (3 Hours)

Meaning of SHG-Linkage Programme, different Link with SHG through Women Empowerment, SHG & Rural Development.

Dissertation: (8 Hours)

Meaning of Dissertation, How to write Dissertation

Write some key areas (Introduction, Theoretical framework, methodology, Literature review, assessment, challenges case studies, future prospects and conclusion)

Programme Co-ordinator

Mr. Ranjit Barman

Asstt. Professor

Department of Finance

Commerce Stream, Goreswar College

To
10/11/2022

ADD-ON COURSE SYLLABUS

Title of the Course: "Certificate in Micro Finance and Rural Development"

Department: Finance (Commerce)

Duration of the Course: 30 Hours

Eligibility: HS Pass (Any Stream)

Objective of the Course:

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SHG-LINKAGE: (3 Hours)

Meaning of SHG-Linkage Programme, different Link with SHG through Women Empowerment SHG & Rural Development

Dissertation: (8 Hours)

Meaning of Dissertation, How to write Dissertation

Outline some key areas: Introduction, Theoretical framework, methodology, Literature review, assessment, challenges, case studies, future prospects and concluding

Programme Co-ordinator

Mr. Banjit Barman

Asstt. Professor

Department of Finance

Commerce Stream, Goreswar College

Hiclass

IMPRESSIONS

ADD ON / VALUE ADDED COURSE

COURSE NAME: *Certificate in Micro Finance & Rural Development*

DURATION OF THE COURSE: *30 Hours*

ORGANISING DEPARTMENT: *Dept. of Finance*

SPONSORED BY:



GORESWAR COLLEGE, GORESWAR

SESSION: *2023-2024*

**EXCLUSIVE
LONG BOOK**

.....
.....
.....
.....

Proceedings:

Introduction:

Add-on Course Name - "Certificate in Micro-finance and Rural Development"

Date - 08/11/2023

Time - 11:00 AM

Venue - Faculty of Commerce, Goreswar College

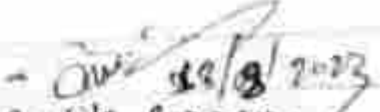
Today, the Department of Finance, Commerce stream of Goreswar College, Goreswar has ~~completed~~ completed a new Add-on course as per the University guidelines and permission by Dr. Pramod Medhi, Principal, Goreswar College, and approved by Dr. Dilip Ch. Das, HOD, Associate Prof., Department of Finance, Commerce stream for the greater benefits of the students as a Extra Curriculum course. So, on that event of this course take charged by Mr. Banjit Barman, Asst. Prof. of Department of Finance as a co-ordinator of this Add-on course and resolution has been taken as a: -

Resolution NO. 1 → The course name of Add-on is "Certificate in Micro-finance and Rural Development".

Resolution NO. 2 → This Add-on course duration of time is, 30 hours (i.e. 1st Sept. to 30th Oct. 2023)

Resolution NO. 3 → This Add-on course take charged by Mr. Banjit Barman, Asst. Prof., Dept. of Finance

Resolution NO. 4 → This Add-on course for w.e.f. the Session 2023-2024.

- 
Mr. Banjit Barman,
Co-ordinator, Add-on Courses
Dept. of Finance, Commerce
Goreswar College, Goreswar

Report on :

"Certificate Distribution Ceremony"
 Add-on course - Certificate in Micro Finance and Rural Development

Date - 09/11/2023

Time - 11:30 AM to 1:00 PM

Venue - Faculty of Commerce,
 Goreswar College, Goreswar

On this certificate Distribution Programme on Add-on course in Micro Finance and Rural Development, today on 09/11/2023, 11:30 AM at Faculty of Commerce, Goreswar college has invited Dr. Dilip Ch. Das, HOD, Department of Finance as a Special guest and also invited MA Karanam Dainny Asst. Prof. Department of Management as a 'Guest Lecture' to deliver and conduct the programme. They delivered on importance and extra curriculum courses on Add-on course. The programme was initiated and taken charge by Mr. Banjit Barman as a Co-ordinator of this course and followed by Mr. Raju Dasgupta, Mrs. Bibha Rani Talukder, Mr. Chitranjan Sarkar, Mr. Binayanga Boro and Ms. Shrutilekha Buzar Baruah, Asst. Prof. of Commerce stream, Goreswar college has participated and distributed the Add-on course certificate in the ceremony. Thanks.

Thanks to
 Department
 Dilip Das
 09/11/23

Shrutilekha Buzar Baruah
 Baruah

Banjit Barman
 Banjit Barman
 Co-ordinator
 Add-on course M.F. & R.D.
 Dept. of Finance
 Goreswar college, Goreswar

Goreswar College Students' Attendance Register

Subject ADD ON Course Micro Finance
Attendance for

| Adm. No. | Roll No. | Name of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | TOTAL |
|----------|----------|----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|-------|
| | | | | | | | | | | | | | | | | | | | |
| 12 | | Lipika Das | P | P | | | | | | | | | P | | P | | | | |
| 09 | | Sandhya Barman | P | | | | | | | | | | P | | P | | | | |
| 07 | | Prinabati Barua | P | P | | | | | | | | | P | P | | P | P | P | |
| 24 | | Anshu Narayan | P | P | | | | | | | | | P | P | | | | | P |
| 01 | | Bakul Boro | | P | | | | | | | | | | | P | P | P | | |
| 09 | | Sahil Khan | | P | | | | | | | | | | | P | | P | P | |
| 07 | | Pranab Boro | | P | | | | | | | | | | P | | | | | |
| 02 | | Kaishan Boro | P | | | | | | | | | | | P | P | P | | | |
| 06 | | Lampika Barua | P | P | | | | | | | | | | P | | P | P | | |
| 04 | | Samermit Narayan | | P | | | | | | | | | | | P | P | | | |
| 09 | | Pinki Bhunia | P | P | | | | | | | | | | | | P | P | | |
| 24 | | Ruma Kishor | P | | | | | | | | | | | | | P | | | |
| 24 | | Bijuli Boro | P | P | | | | | | | | | | P | | | | P | |
| 61 | | Juli Rajbongshi | P | P | | | | | | | | | | P | | | | | |
| 27 | | Chitrakala Swain | | P | | | | | | | | | | | | P | | | |
| 20 | | Jumika Barman | P | | | | | | | | | | | | P | | P | | |
| 28 | | Mita Boro | P | | | | | | | | | | | P | P | | P | | |

Signature of the Lecturer: Banjit Barman
Programme: Co-ordinator
Add. 04 Course Micro-Finance

GORESWAR COLLEGE




GORESWAR, BAKSA, BTR, ASSAM

Website : goreswarcollege.ac.in

Certificate

This is to certify that Mr / Ms. Dhruboj Boroo
of 1st Semester for the session 2023-24 has successfully completed the certificate course in
Micro-Finance and Rural Development from the Dept. of Finance
from 1st Sept to 30th Oct.


Principal
Goreswar College
Dr. Pramod Medhi
Programme Co-ordinator
Goreswar College


Programme Co-ordinator
Goreswar College Add On Courses
Department of Finance

Registration Lists.

Page No. _____
Date: _____

On this certificate Distribution Ceremony on Add-on course on certificate in Micro Finance and Rural Development, dated - 07/11/2023 the students of BA/B Com / B.Sc. ug courses has been participated for the session - 2023-2024.

| Sl. No. | Roll No. | Name | Semester | Signature & Marks. |
|---------|----------|------------------------|---------------------|------------------------|
| 1 | 012 | Lipika Das | 1 sem | Lipika Das |
| 2. | 08 | Sansamwi Basumatara | 1st sem | Sansamwi Basumatara |
| 3. | 07 | Dhruvabati Brahma | 1st sem | Dhruvabati Brahma |
| 4 | 03 | Pratula Naitzady | 1st Sem | Pratula Naitzady |
| 5 | 01 | Gokul Boro | 1 st Sem | Gokul Boro |
| 6 | 09 | Sahil Khan | 1 st Sem | Sahil Khan |
| 7 | 03 | Pronob Boro | 5th Sem | Pronob Boro |
| 8 | 02 | Khabam Boro | 5th sem | Khabam Boro |
| 9 | 26 | Lampita Brahma | 5th Sem | Lampita Brahma |
| 10 | 04 | Sansamwi Basumatara | 5th Sem | Sansamwi Basumatara |
| 11 | 35 | Pratik Khuntia | 5th Sem | Pratik Khuntia |
| 12 | 39 | Ruma Biswas | 5th sem | Ruma Biswas |
| 13 | 24 | Bijula Boro | 5th Sem | Bijula Boro |
| 14 | 41 | Jule Rajbanshi | 5th Sem | Jule Rajbanshi |
| 15 | 27 | Chitrakalpa Basumatara | 5th Sem | Chitrakalpa Basumatara |
| 16 | 20 | Jayanta Basumatara | 5th sem | Jayanta Basumatara |
| 17 | 28 | Misra Basu | 5th Sem | Misra Basu |
| 18 | 017 | Karan Jyoti Das | 3rd Sem | Karan Das |
| 19 | 06 | Mukhtang Boro | 2nd Sem | Mukhtang Boro |
| 20 | 14 | Aditya Boro | 3rd sem | Aditya Boro |
| 21 | 07 | Hirajyoti Basumatara | 3rd Sem | Hirajyoti |
| 22 | 03 | Sudam Boro | 3 rd sem | Sudam Boro |
| 23 | 01 | Sunil Dalmiya | 3 rd sem | Sunil Dalmiya |
| 24 | 19 | Shanti Brahma | 5th sem | Shanti Brahma |
| 25 | 03 | Biswas Ganga Brahma | 1st sem | Biswas Ganga Brahma |
| 26 | 31 | Pradana Sahariah | 5th sem | Pradana |



Goreswar, Assam, India

2, Baihata-Goreswar Rd, Goreswar, No.2 Goreswar, Assam 781366, India

Lat 26.536648°

Long 91.728989°

09/11/23 12:52 PM GMT +05:30

 **GPS Map Camera**



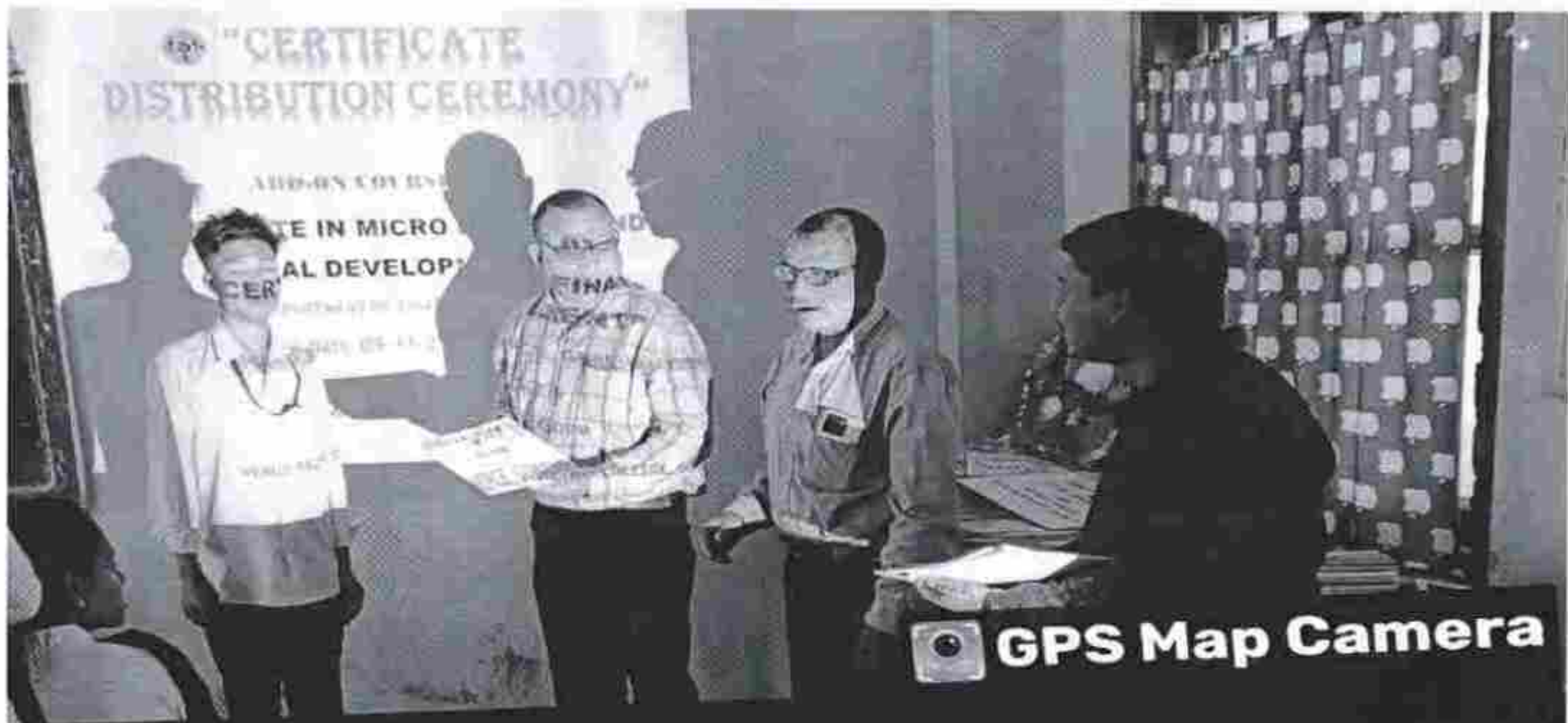
Goreswar, Assam, India

2, Baihata-Goreswar Rd, Goreswar, No.2 Goreswar, Assam 781366, India

Lat 26.536896°

Long 91.729076°

09/11/23 12:23 PM GMT +05:30



 **GPS Map Camera**

Goreswar, Assam, India
2, Baihata-Goreswar Rd, Goreswar, No.2 Goreswar, Assam 781366, India
Lat 26.53665°
Long 91.728991°
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Certificate course on 'Fundamentals of Archaeological Tourism'

Organised by

Department of History, Goreswar College, Goreswar

Tamulpur, BTR, Assam

Introduction to the Course:

The aim of this course is to impart the basic knowledge of "Archaeology, Archaeological tourism and its characteristics and functions." The course has attempted to explain archaeology and study its characteristics and functions, concerning generalization of archaeology. The syllabus has also highlighted the Archaeological tourism as an efficient instrument to interact heritage and tourism in archaeological sites; and to change archaeological attractions into the tourism products and ultimately making archaeology knowledge public and generalize it. At the end of the course, firstly, students will be able to understand the importance of archaeology and archaeological tourism. Secondly, they can contribute to the preservation of archaeological sites and development of archaeological tourism.

A. DETAIL GUIDELINES:

| | | |
|------|----------------------------|---|
| I | Eligibility | Candidates who have passed 10+2 examinations |
| II | No. of Seats | 50 Students |
| III | Course Fee | Rs. 200/- per students |
| IV | Duration of the course | 3 months (August to October) |
| V | Personal Contact Programme | There will be personal contact programme consisting of 33 classes. |
| VI | Attendance | 75% attendance of the classes held under the personal contact programme shall be compulsory for every student. Those students who are unable to fulfill the condition will not be eligible to sit in the end examination. |
| VII | Examination procedure: | The examination shall consist of 30 Multiple Choice Questions, 1 essay type question of 10 marks and oral presentation of 10 marks. |
| VIII | Medium of Examination | The medium of examination shall be Assamese/English |
| IX | Award of Certificate | Each successful student or candidate will be awarded a certificate after having passed the examination |

GRADE POINTS

A candidate will have to score C Grade for Pass in the examination. Grading System of successful candidates is shown below:

| Ranges of marks in % | Letter Grade | Category | Grade Point |
|----------------------|--------------|---------------|-------------|
| 90-100 | O | Outstanding | 10 |
| 80-90 | A+ | Very Good | 9 |
| 70-79 | A | Good | 8 |
| 60-69 | B+ | Above Average | 7 |
| 50-59 | B | Average | 6 |
| 40-49 | C | Simple Pass | 5 |

Those who secure less than 40% of marks shall be declared fail.

Course Coordinator: Dr. Nayan Kalita

Contact Number: 9864455034

Email: nayankalita1334@gmail.com

SYLLABUS OF CERTIFICATE COURSE
On
FUNDAMENTALS OF Archaeological Tourism
Duration of the course: 2 months (33 hours)

| Units | Course content | Details of Syllabus |
|------------|---|---|
| I | Definition and fundamentals of archeology | I. Definition II. Scope III. Categorization of Archeology IV. Preservation of the Sites |
| II | Archeology and its commercial approach (Promotion of Archeological Tourism) | I. Overview of archeological sites of Assam II. Concept of Archeological Tourism III. Promotion of Archeological Tourism IV. Constraints of Archaeo-tourism in Assam |
| III | Survey of Archeological Site – Madan Kamdev, Tamreswar Devalaya and Surya Pahar | Field Visit – I. Madan Kamdev II. Tamreswar Devalaya III. Dirgheswari Devalaya IV. Surya Pahar |

Reading List:

1. John A. Bintliff: *A Companion to Archeology*.
2. D. R. Chakravarti: *A History of Indian Archeology: From the Beginning to 1947*.
3. Mathew Johnson: *Archeological Theory: An Introduction*.
4. B. K Baruah: *A Cultural History of Assam (Early Period) Vol. 1*.
5. S. Borah: *Pragyatan Ara Eiyar Vikash*.
6. Percy Brown: *Indian Architecture*
7. S. Borah and M. C. Borah: *The Story of Tourism*.

List of enrolled Students in one month certificate course on **FUNDAMENTALS OF
Archaeological Tourism**

Department of History

Goreswar College, Goreswar

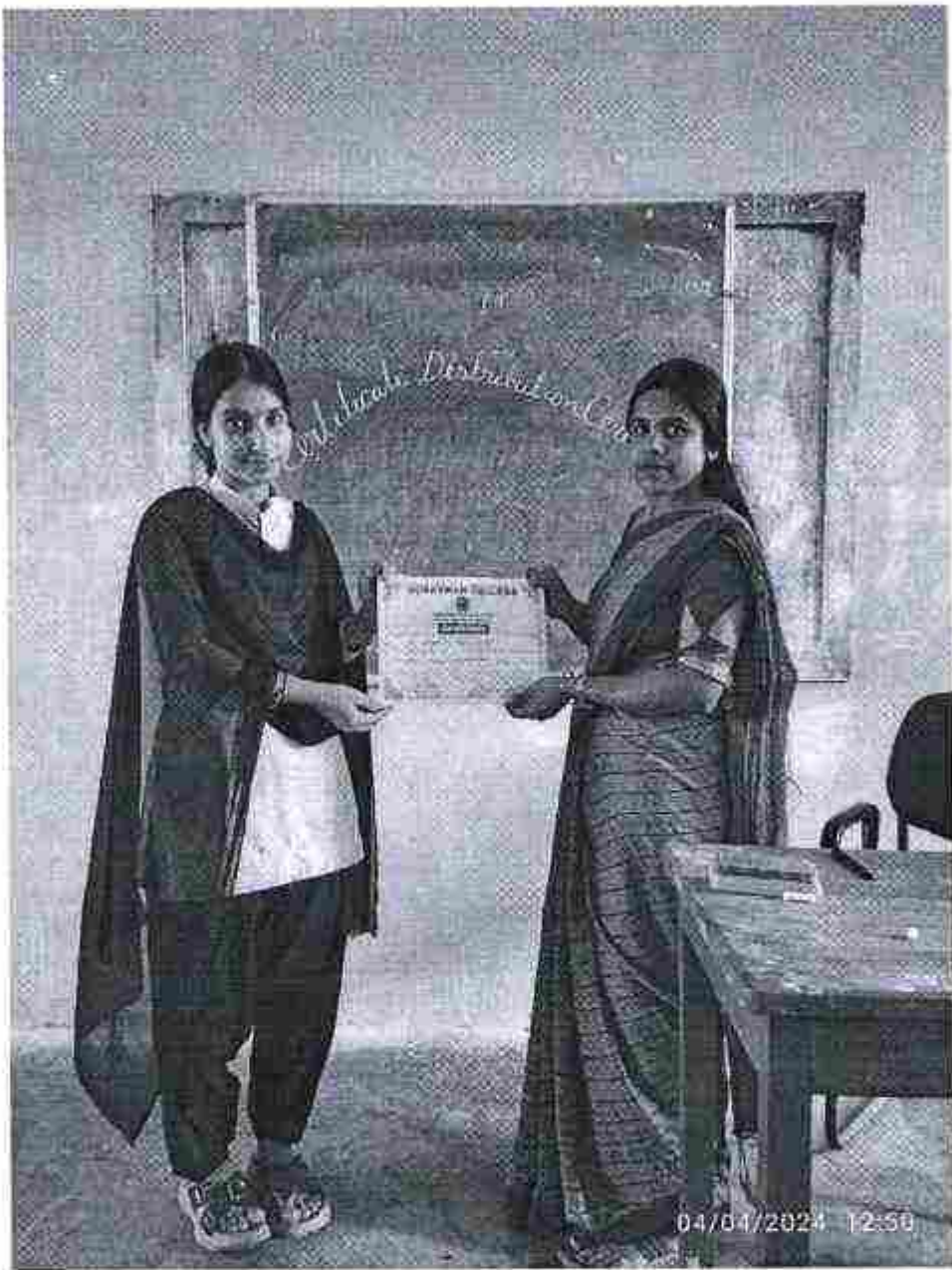
Session:2021-22

| SL NO | Name | Semester | Signature |
|-------|-------------------|----------|-------------------|
| 1 | Gobinda Rabha | | Gobinda Rabha |
| 2 | Soneswar Boro | | Soneswar Boro |
| 3 | Sanjeev Oli | | Sanjeev Oli |
| 4 | Barnali Sarania | | Barnali Sarania |
| 5 | Sagar Sangrola | | Sagar Sangrola |
| 6 | Urmila Prasain | | Urmila Prasain |
| 7 | Shilpa Das | | Shilpa Das |
| 8 | Bikash Goutom | | Bikash Goutom |
| 9 | Urmila Sanyashi | | Urmila Sanyashi |
| 10 | Jonali Rajbongshi | | Jonali Rajbongshi |
| 11 | Mamami Baishya | | Mamami Baishya |
| 12 | Dulumoni Sarania | | Dulumoni Sarania |
| 13 | Violina Bourah | | Violina Bourah |
| 14 | Pratima Boro | | Pratima Boro |
| 15 | Kailash Talukdar | | Kailash Talukdar |
| 16 | Rwimali Boro | | Rwimali Boro |
| 17 | Sujuma Boro | | Sujuma Boro |
| 18 | Suwali Boro | | Suwali Boro |
| 19 | Kangkana Boro | | Kangkana Boro |
| 20 | Dipika Sitola | | Dipika Sitola |
| 21 | Jumi Sarania | | Jumi Sarania |
| 22 | Arpan Upreti | | Arpan Upreti |
| 23 | Hiramoni Pathak | | Hiramoni Pathak |
| 24 | Bijuli Narzary | | Bijuli Narzary |

Fundamentals of Archaeological Tourism

Add-on course

| Sl. No. | Roll No. | Name of the Students | Semester I | | | Semester II | | | Semester III | | |
|---------|----------|----------------------|------------|---|---|-------------|---|---|--------------|---|---|
| | | | P | F | D | P | F | D | P | F | D |
| 1 | 10 | Gyanendra Khatua | | | | | | | | | |
| 2 | 11 | Pankaj Kumar | | | | | | | | | |
| 3 | 12 | | | | | | | | | | |
| 4 | 13 | Sanjay Ali | P | P | P | | | | | | F |
| 5 | 14 | Pratima Sarania | P | P | P | | | | | | |
| 6 | 15 | | P | | | | | | | | |
| 7 | 16 | Sagar Sangrala | P | P | P | | | P | P | | P |
| 8 | 17 | Arpita Das | | P | | | | P | P | | P |
| 9 | 18 | Shilpa Das | P | P | P | | | P | P | | P |
| 10 | 19 | Shashank Inautam | P | P | D | | | | | P | |
| 11 | 20 | Arpita Samyashri | | | P | | | | | P | |
| 12 | 21 | Jyoti Rajbangshi | P | P | P | | | | | P | |
| 13 | 22 | Marami Baishya | P | P | | | | P | P | | P |
| 14 | 23 | Khima Devi | P | | | | | P | P | | P |
| 15 | 24 | Pankaj Sarania | P | P | P | | | | P | | |
| 16 | 25 | | | | | | | | | | |
| 17 | 26 | Maina Rajgosh | P | P | | | | | P | | |
| 18 | 27 | Dulamani Sarania | P | P | P | | | P | P | | P |
| 19 | 28 | Neelima Barua | P | P | P | | | | | P | |
| 20 | 29 | Pratima Barua | P | | | | | P | | P | P |
| 21 | 30 | | | | | | | | | | |
| 22 | 31 | Kailash Talukder | P | P | P | | | P | | P | |
| 23 | 32 | | | | | | | | | | |
| 24 | 33 | Rujimali Barua | P | P | | | | P | | P | P |
| 25 | 34 | Sujana Barua | P | P | | | | P | | P | |
| 26 | 35 | Susala Sarania | P | P | | | | P | P | P | P |
| 27 | 36 | | | | | | | | | | |
| 28 | 37 | Kamkama Barua | P | P | P | | | P | P | | P |
| 29 | 38 | Dipika Sitoula | P | P | | | | P | P | P | |
| 30 | 39 | Jyoti Sarania | P | P | | | | P | P | | P |
| 31 | 40 | | | | | | | | | | |
| 32 | 41 | Arpani Upadhyay | P | P | P | | | P | P | | P |
| 33 | 42 | Hiramani Patheek | P | | P | | | P | | P | |
| 34 | 43 | | | | | | | P | | P | P |



GORESWAR COLLEGE



GORESWAR, BAKSA, BTR, ASSAM

Website : goreswarcollege.ac.in

Certificate

This is to certify that Mr. / Ms. Dipika Sitola
of 2nd Semester for the session 21-22 has successfully completed the certificate course in
Fundamentals of Archaeological Tourism from the Dept. of History
from November to December 21

Umesh Baro

Programme Co-ordinator
Goreswar College

N. Kalita

Programme Co-ordinator
Goreswar College Add On Courses
Department of