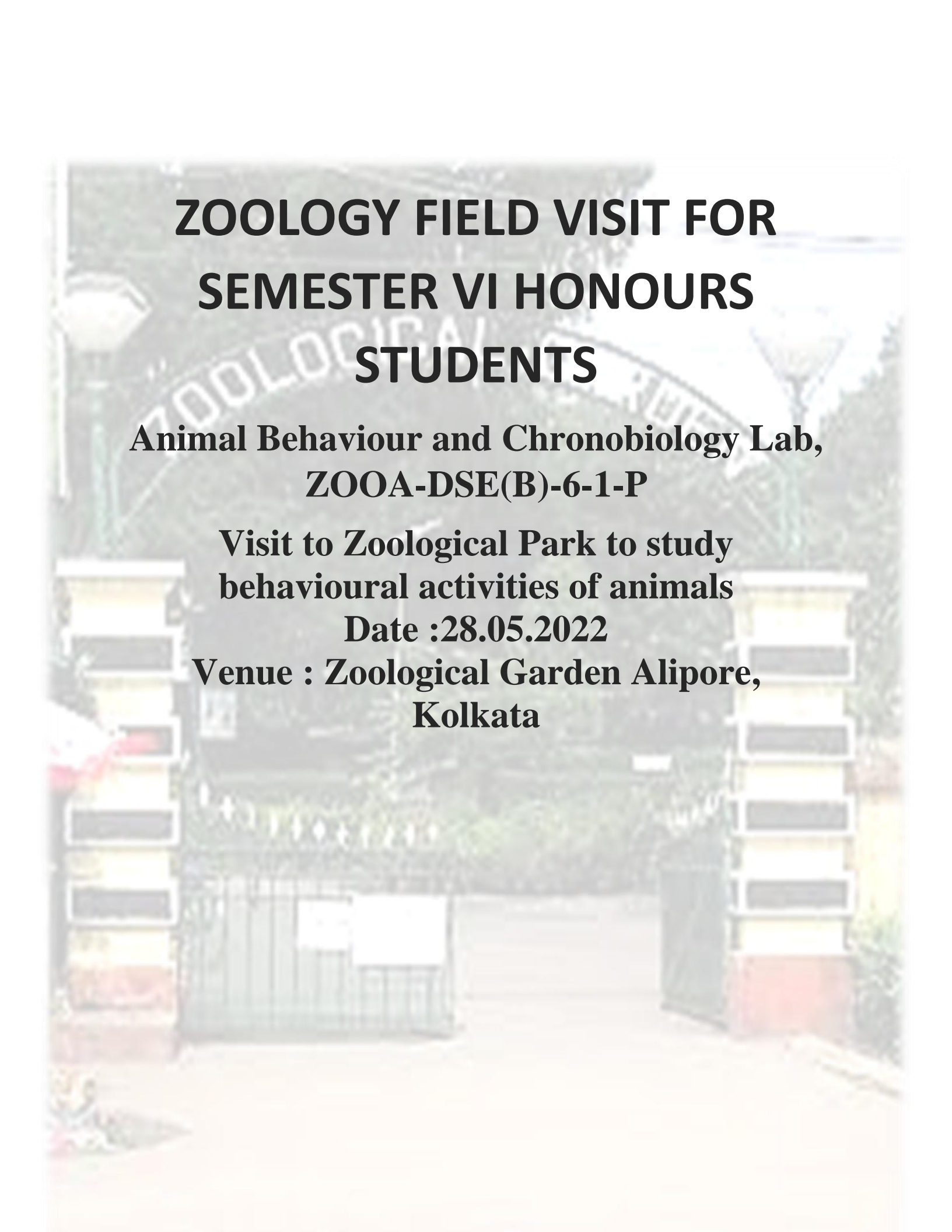


DEPARTMENTAL ACTIVITIES FOR ACADEMIC SESSION 2021-2022





ZOOLOGY FIELD VISIT FOR SEMESTER VI HONOURS STUDENTS

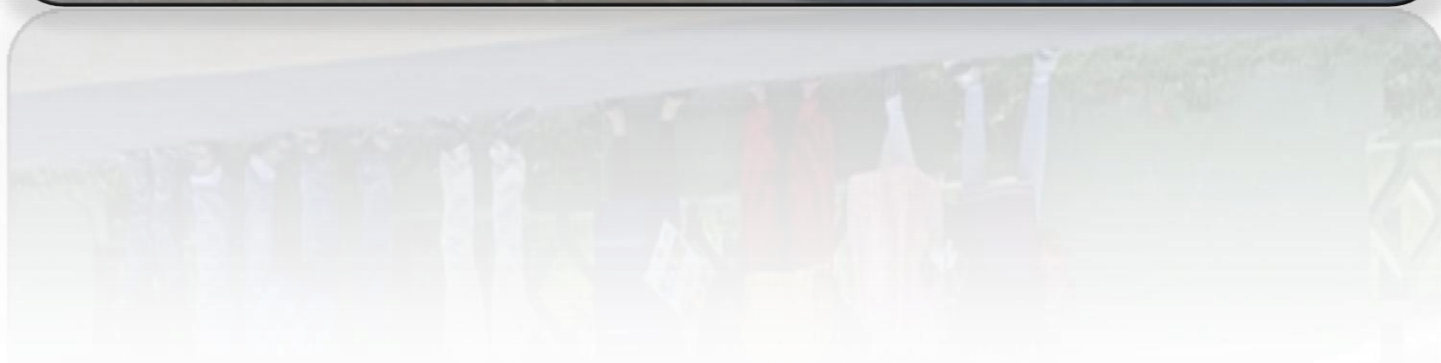
**Animal Behaviour and Chronobiology Lab,
ZOOA-DSE(B)-6-1-P**

**Visit to Zoological Park to study
behavioural activities of animals**

Date :28.05.2022

**Venue : Zoological Garden Alipore,
Kolkata**





Farewell Of Semester VI Students

Date : 29.04.2022



Seminar

On

***“Forests and wildlife in India :
Ecological Perspective”***

Organized by

Department Of Zoology

in Collaboration With IQAC

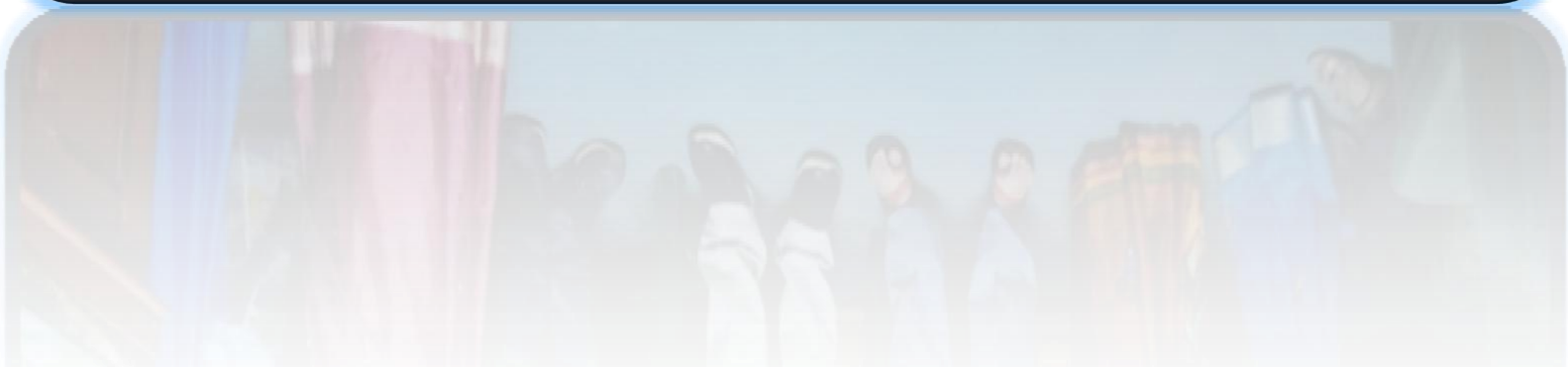
**Speaker : Prof. Susanta Kumar Chakraborty,
Department Of Zoology, Vidyasagar University**

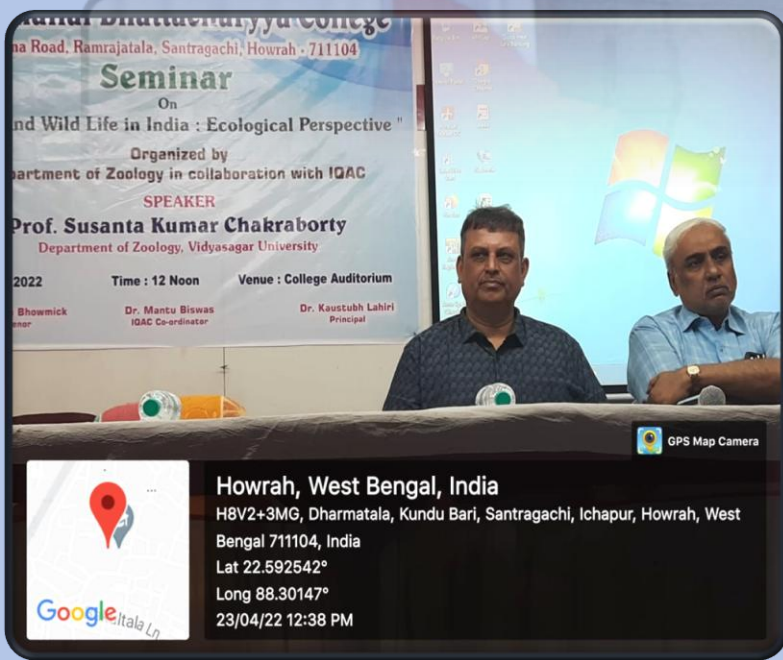
Date : 23.04.2022

Time 12 Noon

Venue : College Auditorium











Dr. Kanailal Bhattacharyya College

15, Kona Rd, Ramrajatala, Santragachi, Howrah, West Bengal 711104

Department Of Zoology

Certificate of Participation

This is to certify that Ms. Swagata Parui, Student of Dr. Kanailal Bhattacharyya College has participated in the seminar entitled "Forests and Wildlife in India: Ecological Perspective" on 23rd April, 2022

Dr. Sudipta Bhowmick,
Convenor

Dr. Mantu Biswas,
IQAC Co-ordinator

Dr. Kaustubh Lahiri,
Principal

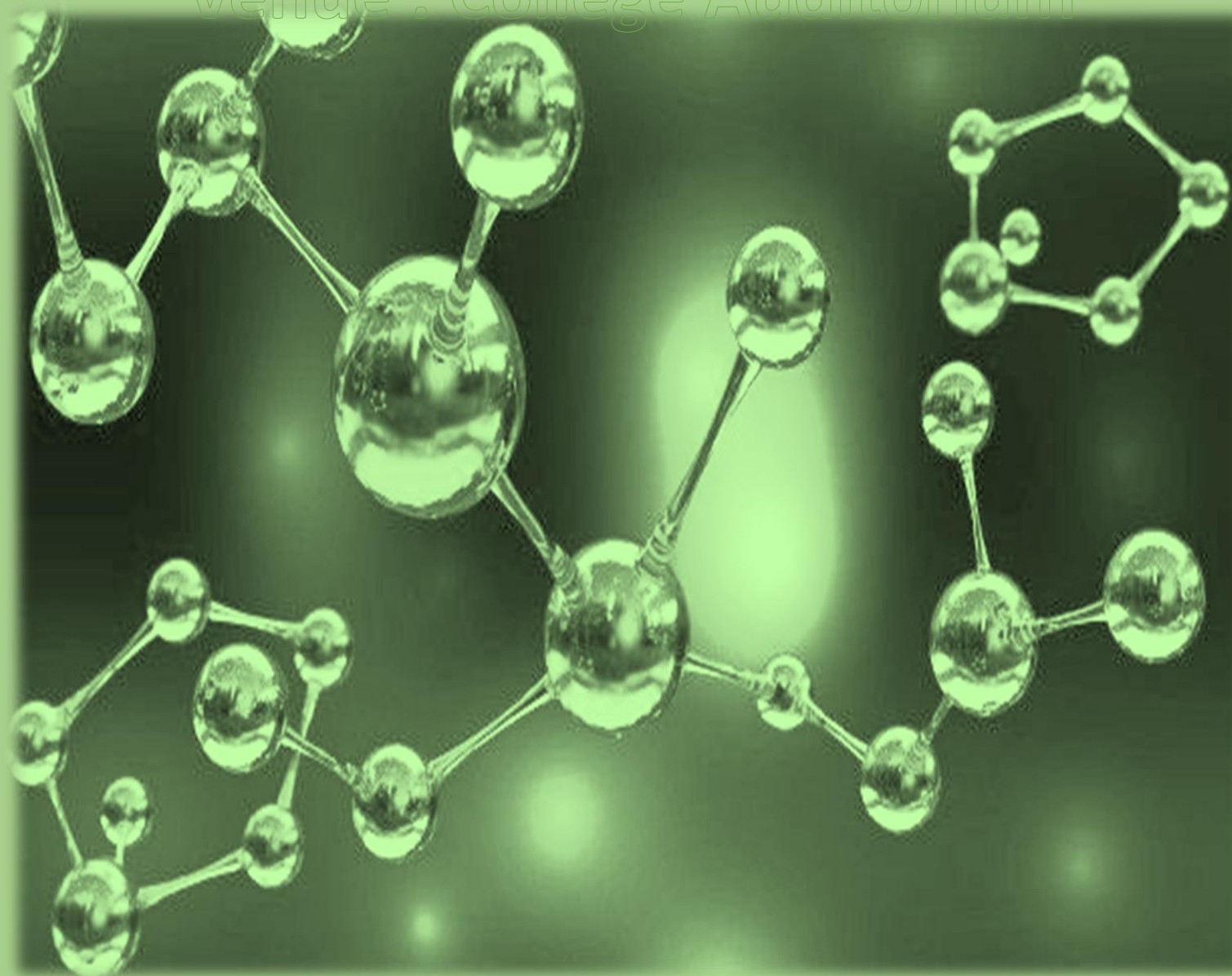
Certificate Of Participation

OBSERVATION OF NATIONAL SCIENCE DAY

Event : Students' Seminar

Date : 28.02.2022

Venue : College Auditorium

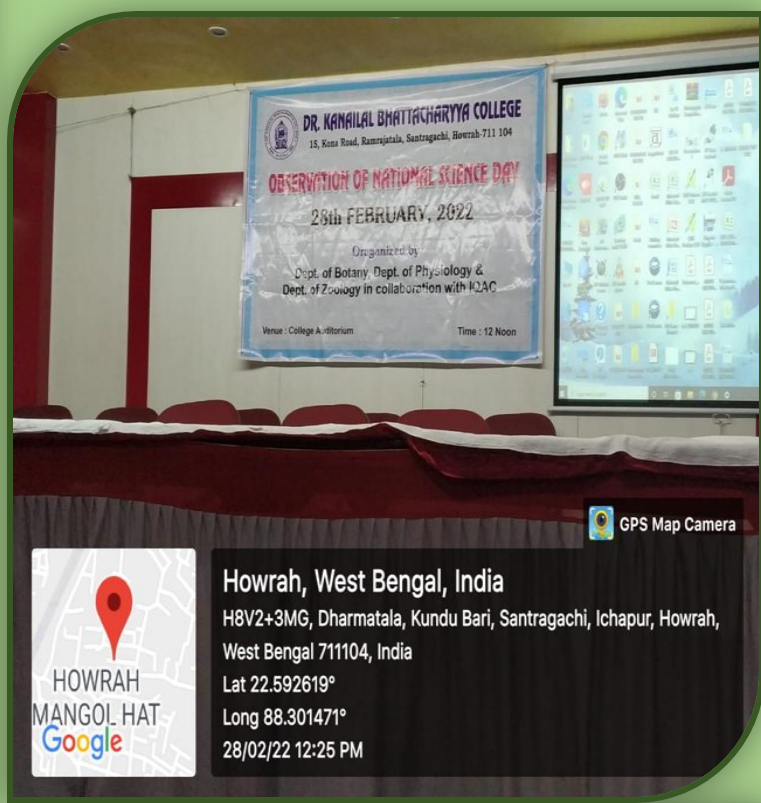




GPS Map Camera



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H8V2+3MG, Dharmatala, Kundu Bari, Santragachi,
Ichapur, Howrah, West Bengal 711104, India
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Long 88.301471°
28/02/22 12:33 PM



GPS Map Camera



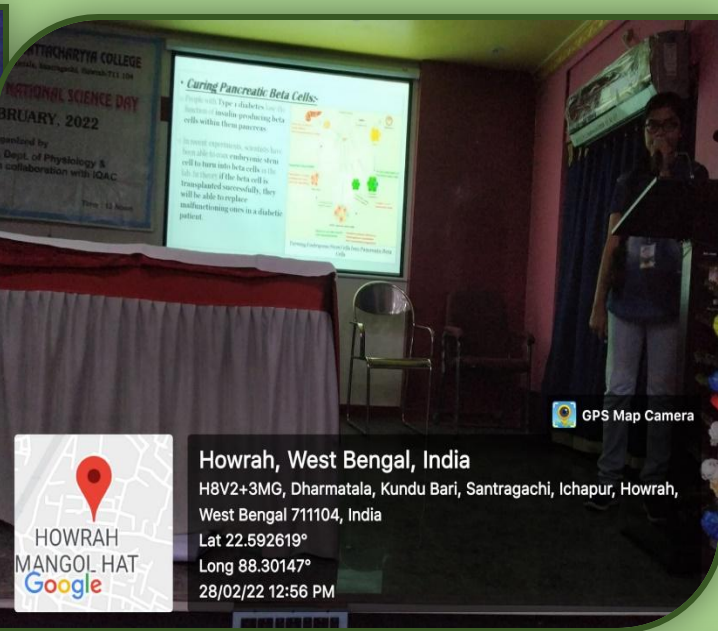
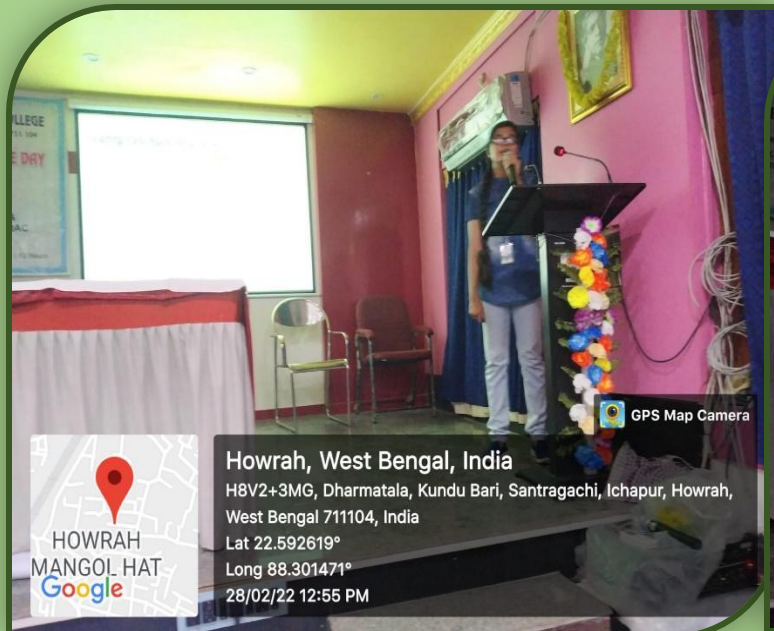
Howrah, West Bengal, India
H8V2+3MG, Dharmatala, Kundu Bari, Santragachi, Ichapur, Howrah,
West Bengal 711104, India
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Long 88.301471°
28/02/22 12:25 PM



GPS Map Camera



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West Bengal 711104, India
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Howrah, West Bengal, India
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West Bengal 711104, India
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28/02/22 12:56 PM



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Ichapur, Howrah, West Bengal 711104, India
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Long 88.301472°
28/02/22 01:38 PM



Howrah, West Bengal, India
H8V2+3MG, Dharmatala, Kundu Bari, Santragachi,
Ichapur, Howrah, West Bengal 711104, India
Lat 22.59262°
Long 88.301472°
28/02/22 01:38 PM



Howrah, West Bengal, India
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Ichapur, Howrah, West Bengal 711104, India
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28/02/22 01:42 PM



GPS Map Camera



HOWRAH
MANGOL HAT
Google

Howrah, West Bengal, India

H8V2+3MG, Dharmatala, Kundu Bari, Santragachi, Ichapur, Howrah,
West Bengal 711104, India

Lat 22.592618°

Long 88.301478°

28/02/22 01:57 PM



GPS Map Camera



HOWRAH
MANGOL HAT
Google

Howrah, West Bengal, India

H8V2+3MG, Dharmatala, Kundu Bari, Santragachi, Ichapur, Howrah,
West Bengal 711104, India

Lat 22.592618°

Long 88.301471°

28/02/22 01:59 PM

National Pollution Control Day Observation

Event : Online Poster Making
Competition

Theme: "ENVIRONMENTAL POLLUTION :
CAUSES , EFFECTS AND CONTROL
MEASURES"

Date : 02.12.2021



NATIONAL POLLUTION CONTROL DAY 2021-2ND DECEMBER

~: "Be A Part Of Solution, Not A Part Of Pollution" :~

This NATIONAL POLLUTION CONTROL DAY, Let's Know More About Pollution, Its Types And Their Causes, It's Effects On The Environment And What Can We Do To Prevent Pollution.

• **What Is 'Pollution?'**- Presence Of Substances And Heat In Environmental Media (Air, Water, Land) Whose Nature, Location, Or Quantity Produces Undesirable Environmental Effects' Is Known As Pollution.

• **Types Of Pollution:-** It Is Of Mainly Four Types- 1. Air Pollution, 2. Water Pollution, 3. Soil Or Land Pollution And 4. Noise Pollution.

• **Causes Of Pollution:-**

AIR POLLUTION:-

1. Volcanic Eruptions & Forest Fires.
2. Burning Of Fossil Fuels.
3. Emissions From Vehicles.
4. Household Cooling Products, Cleaning Products Or Paints That Contain Toxic Chemicals.
5. Smoking, Fly Ash etc.

WATER POLLUTION:-

1. Industrial And Power-plant Wastes.
2. Marine Dumping.
3. Sewage & Household Wastes.
4. Agricultural Wastes (Mainly Chemical Manures, Insecticides & Pesticides).
5. Oil Leakage (Example- Leakage From Ships Or Oil Rig) etc.

SOIL/LAND POLLUTION:-

1. Waste Disposal (Including Industrial, Power-plant & Household Wastes etc).
2. Mining & Construction Works; Urbanization.
3. Excessive Uses Of Agricultural Accessories Like- Manure (Mainly Chemical), Insecticides, Pesticides etc.
4. Acid Rain, Deforestation, Volcanic Eruptions.
5. Oil Leakage Or Leakage From Sewage etc.

NOISE POLLUTION:-

1. Crackers.
2. Loudspeakers.
3. Rail & Air Transports & Traffic Noises.
4. Construction & Industrial Sounds.
5. Household Appliance's Sounds etc.

• **Effects Of Pollution On The Environment:-**

AIR POLLUTION:-

1. Photochemical Smog.
2. Acid Rain.
3. Climate Change, Global Warming.
4. Extinction Of Organisms, Diseases Related To Respiratory System And Skin Including Allergies.
5. PAN (Peroxyacetyl Nitrate) Effect etc.

WATER POLLUTION:-

1. Destroys Habitats Of Many Organisms And Causes Irreversible Damages Mainly To The Aquatic Ecosystems (Example Coral Reef Ecosystem).
2. Causes Eutrophication And Ultimately BOD Inflection.
3. Causes Diseases Like- Cholera, Diarrhea, Typhoid, Skin Diseases. Brain-eating Amoeba Contamination Happens By This.
4. Biological Magnification Starts Building Up In The Food Chain etc.

SOIL/LAND POLLUTION:-

1. Reduces Soil Fertility By Bringing Changes In It Like- Change In pH.
2. Affects The Plant Growth And Fertility.
3. Reduced Crop Yield.
4. Causes Imbalance In Flora-Fauna Community Of Soil.
5. Causes Diseases Like- Skin Diseases, Ascariasis, Cancer, Neuromuscular Damages etc.

NOISE POLLUTION:-

1. Insects Like Bees Who Help In Pollination Are Affected By It.
2. It Affects Birds & Animals In Such A Way That Their Normal Behaviour May Change And They May Even Leave Their Normal Habitats Or Become Dead.
3. It Also Affects The Marine Lives.
4. In Humans, Noise Pollution Causes NOISE INDUCED HEARING LOSS (NIHL), Heart Diseases, Sleeping Disturbance, Stress, Hypertension etc.

• **Control Measures:-**

All Of These Things Can Be Prevented By-

1. Increasing Awareness Among People.
2. Scientifically Planned Waste Disposal, Urbanization, Industry, Construction.
3. Using Renewable Energies Like- Solar Energy, Wind Energy, Geothermal Energy, Tidal Or Wave Energy, Biomass Energy etc Instead Of Non-renewable Energies Like- Energies Derived From Fossil Fuels.
4. Establishing Governmental Laws.
5. Prevention Of Deforestation And Planting Trees.
6. Strictly Obeying The "3-R Principle (REDUCE-REUSE-RECYCLE)".



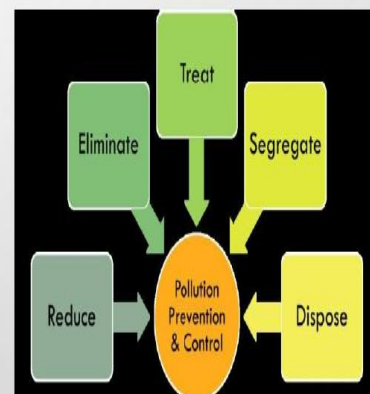
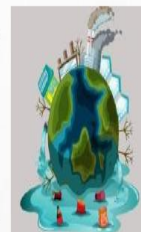
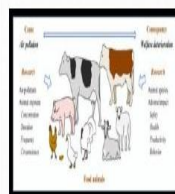
Poster Prepared by

Arghya Roy

Semester V (ZOOA)

NATIONAL POLLUTION CONTROL DAY

2ND DECEMBER



Eradicate Pollution Save Environment
Go Green To Breathe Clean
[Reduce Reuse Recycle]

Poster Prepared By

Swagata Parui

Semester - V (ZOOA)

NATIONAL POLLUTION CONTROL DAY
2nd December, 2021

NOT A PART
OF THE
POLLUTION



Poster Prepared By

Smita Barui

Semester III (ZOOA)



STOP POLLUTION & SAVE EARTH



The Environment is our best friend so it's our duty to protect it.

IT IS OUR RESPONSIBILITY
TO KEEP THIS ATMOSPHERE
NEAT AND CLEAN

Poster Prepared By

Mousumi Rana

Semester – I (ZOOA)

CARING OF OUR ENVIRONMENT

AIR POLLUTION

CAUSE



EFFECT



Control Measures



Recycle and Reuse



NO to Plastic bags



WATER POLLUTION



CAUSE



EFFECT

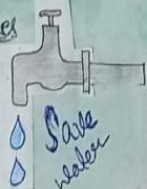
Control Measures



Practice water conservation

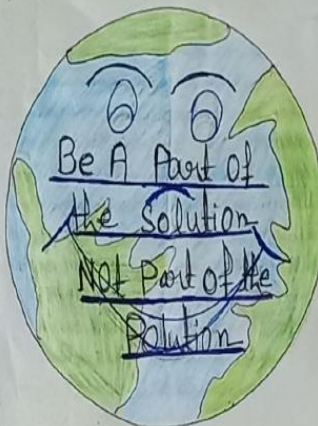


Avoid water polluting activities



Earth Comes to an end,
Save it my friends!

Pollution is going on,
In every city, village and town



Stop this ghost of pollution,

There are many solutions.

Do not Pollute; water and air,
Don't throw garbage, here there.

You can do something now or never
Let's save Our Earth forever!



SOUND POLLUTION

CAUSE



EFFECT



Control measures



Lower the volume



Go green by planting trees.



SOIL POLLUTION



CAUSE



EFFECT

Control Measures



Proper solid waste treatment



Strictly control the pollution of new soil



Poster Prepared By

Iti Mondal

Semester -I (ZOOA)

Poster maker name: → Kuntala Mondal.
Department and Semester: → ZOOLOGY, 1st sem

Pollution



Poster Prepared By
Kuntala Mondal
Semester I (ZOOA)



Dr.Kanailal Bhattacharyya College

15, Kona Rd, Ramrajatala, Santragachi, Howrah, West Bengal 711104

Department Of Zoology

▶ This is to certify that ITI MONDAL, student of Semester 1 from Dr. Kanailal Bhattacharyya College has actively participated in Poster Competition on the theme "ENVIRONMENTAL POLLUTION: CAUSES, EFFECTS AND CONTROL MEASURES" held on 2nd December 2021.

Dr. Sudipta Bhowmick,
Convenor

Dr. Mantu Biswas,
IQAC Co-ordinator

Dr. Kaustubh Lahiri,
Principal

Certificate of Active Participation

ONLINE TEACHERS' DAY CELEBRATION 2021



