

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: EMERGING AIR POLLUTANTS : CHALLENGES AND SOLUTIONS**

**SUBMITTED BY**

**NAME: RIJMA GHOSH**

**DEPARTMENT: GEOGRAPHY**

**REG. NO.: VU221211037**

**YEAR: 2022-23**

**ROLL: J122121**

**NO.: 220096**



Department of Geography  
Kharagpur College  
Kharagpur-721305, W.B.

Certificate

This is to certify that the ENVS project work entitled Emerging Air  
Pollutants: Challenges And Solutions  
submitted by Rima Ghosh  
of Registration No. VU221211037 of 2022-2023 and  
College Roll No. 2224074 / 1122121 No-220096 as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Rima Ghosh  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** THE IMPACT OF FLOOD ON  
WOMEN'S HEALTH

**SUBMITTED BY**

**NAME:** HADISA SULTANA

**DEPARTMENT:** GEOGRAPHY

**REG. NO.:** VU221210976 **YEAR:** 2022-23

**ROLL:** 1122121

**NO.:** 220080

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 24/9/2023

Hadisa Sultana  
Signature of Student



**Department of Geography**

**Khara gpur College  
Khara gpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled ..... *The Impact* .....  
..... *of Flood on women's health* .....  
..... submitted by ..... *Hadisa Sultana* .....  
of Registration No. *VU221210996* ..... of *2022-'23* and  
College Roll No. *2224017* ..... as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Khara gpur College**

# VIDYASAGAR UNIVERSITY

## KHARAGPUR COLLEGE

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

TOPIC: REGIONAL DISPARITIES IN AIR  
POLLUTION

**SUBMITTED BY**

NAME: SREYA GHOSH

DEPARTMENT: GEOGRAPHY

REG. NO.: VU221211102 YEAR: 2022 - 23

COLLEGE ROLL NO.: 2224065

Roll: 1122121

NO. 220109

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Soreja Ghosh.  
Signature of Student





Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled REGIONAL DISPARITIES  
IN AIR POLLUTION

.....submitted by SREYA GHOSH.....

of Registration No. VU221211102..... of 2022-23..... and

College Roll No. 2224065..... as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College





# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*  
(AECC)

**2<sup>ND</sup> SEMESTER**

**TOPIC: Pollution and sustainable development goal**

**SUBMITTED BY**

**NAME: Subhashree Das**

**DEPARTMENT: Geography**

**REG. NO.: VU22121114    YEAR: 2022-2023**

**ROLL: 1122121                      NO.: 220113**



Department of Geography  
Kharagpur College  
Kharagpur-721305, W.B.

Certificate

This is to certify that the ENVIS project work entitled .....

**Pollution and sustainable development goal**

.....submitted by **Subhashree Das**

of Registration No. **VU22121114** of **2022-2023** and

College Roll No. **2224053** .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:-

Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: PLASTIC POLLUTION : CHALLENGES AND ALTERNATIVES**

**SUBMITTED BY**

**NAME: DIYA KAPRI**

**DEPARTMENT: GEOGRAPHY(H)**

**REG. NO.:VU221210971**

**YEAR:2022-2023**

**ROLL: 1122121**

**NO.:220078**

# VIDYASAGAR UNIVERSITY

## KHARAGPUR COLLEGE

A PROJECT REPORT ON ENVIRONMENT SCIENCE

(AECC)

2<sup>ND</sup> SEMESTER

TOPIC: PLASTIC POLLUTION: CHALLENGES AND ALTERNATIVES

SUBMITTED BY

NAME: DIYA KAPRI

DEPARTMENT: GEOGRAPHY(H)

YEAR: 2022-2023

REG. NO.: AU221210971

NO.: 220078

ROLL: 1122121





**Department of Geography**

**Khara gpur College  
Khara gpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Plastic Pollution:  
Challenges and Alternatives

.....submitted by Diya Kapri

of Registration No. VU221210971 of 2022-2023 and

College Roll No. 2224070 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Khara gpur College**



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Diya Kapri  
Signature of Student



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: AIR QUALITY INDEX(AQI) AND ITS SIGNIFICANCE**

**SUBMITTED BY**

**NAME: SNEHA BHANJA**

**DEPARTMENT: GEOGRAPHY(H)**

**REG. NO.:VU221211081**

**YEAR:2022-2023**

**ROLL: 1122121**

**NO.:220103**



**Department of Geography**

**Khara gpur College  
Khara gpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled .....

..... AIR QUALITY INDEX (AQI) AND ITS  
SIGNIFICANCE submitted by .... SNEHA BHANJA .....

of Registration No. VU221211081 ..... of 2022-2023 and

College Roll No. 2224063 ..... as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Khara gpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/2023

Sneha Bhanja  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

***Topic : HEALTH IMPACT OF AIR  
POLLUTION***

**SUBMITTED BY**

NAME: SRISTI GHOSH

DEPARTMENT: GEOGRAPHY

REG.NO: VU221211104

ROLL : 1121121 , NO : 220110

YEAR : 2022 - 2023





Department of Geography  
Kharagpur College  
Kharagpur-721305, W.B.

Certificate

This is to certify that the ENVS project work entitled .....

**Health impact of air pollution**

.....submitted by **Sristi Ghosh** .....

of Registration No. **VU221211104** of **2022-2023** and  
**2224049**  
College Roll No. .... as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maiti  
Department of Geography  
Kharagpur College



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Sristi Ghosh  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: ROLE OF TREES IN AIR POLLUTION MIGITATION**

**SUBMITTED BY**

**NAME: K. MEGHA**

**DEPARTMENT: GEOGRAPHY**

**REG. NO.: VU221210981 YEAR: 2022-23**

**COLLEGE ROLL NO.: 2224073**

**ROLL : 1122121 NO.: 220082**



Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled Role of Trees in Air  
pollution Mitigation

submitted by K. MEGHA

of Registration No. VU221210981 of 2022-23 and

College Roll No. 2224073 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College



## ACKNOWLEDGEMENT

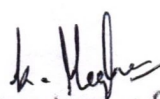
---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/2023

  
Signature of Student

# VIDYASAGAR UNIVERSITY

## KHARAGPUR COLLEGE

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

TOPIC: Pollution and Respiratory Health:  
A Comprehensive Analysis

**SUBMITTED BY**

NAME: Kishore Kumar Mahata.

DEPARTMENT: Geography

REG. NO.: VU221210984 YEAR: 2022-2023

COLLEGE ROLL NO.: 2224071



**Department of Geography**  
**Kharagpur College**  
**Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled .....

Pollution and Respiratory Health: A Comprehensive  
Analysis. submitted by Kishore Kumar Mahata

of Registration No. VU 221210984 of 2022-2023 and

College Roll No. 2224071 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

**Mukul Maity**  
**Department of Geography**  
**Kharagpur College**



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Kishore Kumar Mahata  
Signature of Student



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

TOPIC: GOVERNMENT POLICIES OF  
DISASTER MANAGEMENT

**SUBMITTED BY**

NAME: KOUUSHI K MANDAL

DEPARTMENT: GEOGRAPHY

REG. NO. : VU221210987 YEAR: 2022 - 2023

COLLEGE ROLL NO.: 2224018

ROLL: 1122121 NO.: 220084



Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled Government policies  
of Disaster Management

submitted by Koushik Mandal

of Registration No. VU221210987 of 2022-2023 and

College Roll No. 2224018 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Koushik Mandal.  
Signature of Student



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

TOPIC: *Economic impact of air pollution*

**SUBMITTED BY**

NAME: *SUDESHNA DUTTA*

DEPARTMENT: *GEOGRAPHY*

REG. NO. : *VU221211117*      YEAR: *2022-2023*

COLLEGE ROLL NO.: *2224066*

ROLL : *1122121*      NO: *220114*



**Department of Geography**  
**Kharagpur College**  
**Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Economic impact of air  
Pollution

submitted by Sudeshna Dutta

of Registration No. VU221211117 of 2022 - 2023 and

College Roll No. 9224066 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

**Mukul Maity**  
**Department of Geography**  
**Kharagpur College**



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2013

Sudeshna Dutta  
Signature of Student



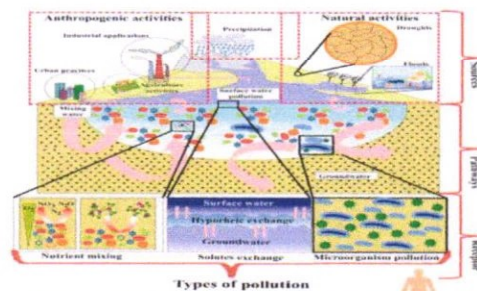
# VIDYASAGAR UNIVERSITY

## KHARAGPUR COLLEGE

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**



**TOPIC: CAUSES IMPACT OF LOCAL WATER BODY  
POLLUTION URBAN AREAS**

**SUBMITTED BY**

**NAME: ANANTA MURMU**

**DEPARTMENT: GEOGRAPHY (HONS)**

**REG. NO.: VU2212101932 OF (2022-23)**

**ROLL: 1122121**

**NO.: 220068**



**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Causes impact-  
of local water body Pollution urban  
area submitted by Aanya Manna  
of Registration No. VU2212101932 of 2022-23 and  
College Roll No. 2224001 as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023



Signature of Student

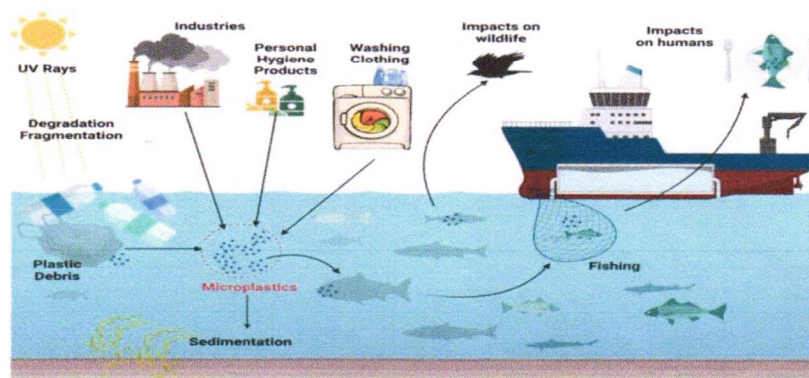
# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

**A PROJECT REPORT ON ENVIRONMENT SCIENCE**

**(AECC)**

**2<sup>ND</sup> SEMESTER**



**TOPIC : *IMPACT OF PLASTIC POLLUTION ON AQUATIC ECOSYSTEM***

**SUBMITTED BY**

**NAME: *MADHUSUDAN PATRA***

**DEPARTMENT: *GEOGRAPHY (HONS)***

**REG. NO.: *VU221210992* YEAR- *2022-2023***

**ROLL: *1122121***

**NO: *220086***





**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled *Impact of Plastic Pollution on Aquatic Ecosystem.*  
.....submitted by *Madhusudan Patra,*  
of Registration No. *VU221210992* of *2022-2023* and  
College Roll No. *2224020* .....as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**

## ACKNOWLEDGEMENT


---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2017

  
Signature of Student



# **VIDYASAGAR UNIVERSITY**



**KHARGAPUR COLLAGE**

**A PROJECT REPORT ON ENVIROMENT SCIENCE**

**(AECC)**

**SEMESTER- 2<sup>ND</sup>**

**TOPIC – MARINE PROTECTED AREAS AND  
THERE IMPORTANCE**

**SUBMITTED BY:- RUMPA MAHATA**

**DEPARTMENT:- GEOGRAPHY**

**REG NO-VU221211041**

**ROLL :-1122121 NO-220097**



Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled Marine Protected

Areas and their Importance

submitted by Rumpa Mahata

of Registration No. VU221211041 of 2022-23 and

College Roll No. 2224032 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/2024

Rumpa Mahanta  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:            CONSERVATION OF SEA TURTLES COASTAL  
                         ZONE**

***SUBMITTED BY***

**NAME: MEGHA GHOSH**

**DEPARTMENT: GEOGRAPHY**

**REG.NO: VU221210997**

**ROLL: 1121121    NO : 220087**

**YEAR: 2022    -2023**



Department of Geography  
Kharagpur College  
Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled .....

**Conservative of sea turtles in Costal zone.**

.....submitted by **Megha Ghosh**.....

of Registration No. **VU221210977** of **2022-2023** and

College Roll No. **2224022**.....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

**Mukul Maiti**  
Department of Geography  
Kharagpur College



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Megha Ghosh.  
Signature of Student



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

***A PROJECT REPORT ON ENVIRONMENT SCIENCE***

***(AECC)***

**2<sup>ND</sup> SEMESTER**

**TOPIC: PARTICULATE MATTER AND RESPIRATORY HEALTH**

**SUBMITTED BY**

**NAME: SUBHADIP SAW**

**DEPARTMENT: GEOGRAPHY**

**REG. NO.: VU221211107**

**YEAR: 2022-23**

**ROLL: 1122121**

**NO.: 220111**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Subhasit P. Saw  
Signature of Student



**Department of Geography**

**Khara gpur College  
Khara gpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Particulate

Matter And Respiratory Health

.....submitted by Subhadip Saw

of Registration No. VU221211107 of 2022-23 and

College Roll No. 2224051 .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Khara gpur College**

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: VEHICULAR POLLUTION CONTROL MEASURES**

**SUBMITTED BY**

**NAME: SOUMYA RANA**

**DEPARTMENT: GEOGRAPHY**

**REG. NO. : VU221211093      YEAR: 2022 - 2023**

**COLLEGE ROLL NO.: 2224096**

**Roll: 1122121**

**NO: 220107**





**Department of Geography**  
**Kharagpur College**  
**Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled VEHICULAR  
POPULATION CONTROL MEASURES  
submitted by SOUMYA RANA  
of Registration No. VU221211093 of 2022-2023 and  
College Roll No. 2229096 as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

**Mukul Maity**  
**Department of Geography**  
**Kharagpur College**



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/22

Soumya Rana  
Signature of Student



**VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

**A PROJECT REPORT ON ENVIRONMENT SCENCE**

**(AECC)**

**2nd SEMESTER**

**TOPIC :- Cases And Impact Of Industrial Pollution  
On Socioecoomic Life Of Local Urban People**

**SUBMITTED BY**

**NAME :- ASHIMA DUTTA**

**DEPARTMENT :- GEOGRAPHY**

**• REG NO. :- VU221210945**

**ROLL :- 1122121, NO - 220070**

**YEAR :- 2022-2023**



Department of Geography

Khargapur College  
Khargapur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled **Causes And Impact  
Of Industrial Pollution On Socioeconomic Life Of Local  
Urban People** submitted by **ASHIMA DUTTA**

of Registration No. **VU221210945** of **2022-2023** and  
College Roll No. **2224007** as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

**Mukul Maity**  
Department of Geography  
Khargapur College

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 01/01/2023

Ashima Dutta,  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*  
(AECC)

**2<sup>ND</sup> SEMESTER**

**TOPIC:**     ***AIRBORNE ALLERGENS AND  
RESPIRATORY ISSUES***

**SUBMITTED BY**

**NAME       : DIPAK SHAW**  
**DEPARTMENT : GEOGRAPHY**  
**REG.NO     : VU221210966**  
**ROLL       : 1121121, NO:220077**  
**YEAR       : 2022 - 2023**



## ACKNOWLEDGEMENT


---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/2024

  
Signature of Student



**Department of Geography  
Kharagpur College  
Kharagpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled .....

**AIRBORNE ALLERGENS AND RESPIRATORY ISSUS.**

.....submitted by **Dipak Shaw** .....

of Registration No. **VU221210966** of **2022-2023** and

College Roll No. **2224061** .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

**Mukul Maity  
Department of Geography  
Kharagpur College**

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: ENVIRONMENTAL JUSTICE AND AIR POLLUTION**

**SUBMITTED BY**

**NAME : BISWANATH GIRI**

**DEPARTMENT : GEOGRAPHY**

**REG. NO. : VU221210956 of 2022-2023**

**ROLL : 1122121 NO. : 220072**





**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled .....

.....submitted by Biswanath Giri.....

of Registration No. VU 221210956 of 2022-2023 and

Roll 1122121 No 220072 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Biswanath Giri  
Signature of Student





# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

***A PROJECT REPORT ON ENVIRONMENT SCIENCE***

***(AECC)***

**2<sup>ND</sup> SEMESTER**

**TOPIC: SOIL POLLUTION IN RURAL AREA**

**SUBMITTED BY**

**NAME: SOUVIK MANDAL**

**DEPARTMENT: GEOGRAPHY**

**REG. NO.: VU221211100**

**YEAR: 2022-23**

**ROLL: 1122121**

**NO.: 220108**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2024

Sauvik Mandal  
Signature of Student



**Department of Geography**

**Khargapur College  
Khargapur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Soil Pollution in

Rural Area

.....submitted by Souvik Mondal

of Registration No. VU221211100 of 2022-23 and

College Roll No. 2224048 .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Khargapur College**





**VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

**A PROJECT REPORT ON ENVIRONMENT SCENCE**

**(AECC)**

**2nd SEMESTER**

**TOPIC :- Socio Economic Impact Of  
Flood In Agriculture Based Society**

**SUBMITTED BY**

**NAME :- BASANTI BISAI**

**DEPARTMENT :- GEOGRAPHY**

**• REG NO. :- VU221210951**

**ROLL :- 1122121, NO - 220071**

**YEAR :- 2022-2023**



**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

**Socio Economic**

This is to certify that the ENVS project work entitled .....

**Impact Of Flood In Agriculture Based Society**

.....submitted by **BASANTI BISAI**

of Registration No. **VU221210951** of **2022-2023** and

College Roll No. **2224008** .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2022

Basanti Bisai  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*  
(AECC)

**2<sup>ND</sup> SEMESTER**

**TOPIC: Ecotourism and Sustainable Development in Coastal Regions**

**SUBMITTED BY**

**NAME: Muzhdana khatun**

**DEPARTMENT: Geography**

**REG. NO.: VU221211008      YEAR: 2022-2023**

**ROLL: 1123121                      NO.: 220092**





Department of Geography  
Khargapur College  
Khargapur-721305, W.B.

Certificate

This is to certify that the ENVIS project work entitled **Ecotourism**  
**and Sustainable Development in Coastal Regions**  
.....submitted by **Muzhdana khatun**  
of Registration No. **VU221211008** of **2022-2023** and  
College Roll No. **2224026** .....as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Khargapur College

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Meekhdana Khatur  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

***A PROJECT REPORT ON ENVIRONMENT SCIENCE***

***(ABCC)***

**2<sup>ND</sup> SEMESTER**

**TOPIC: INDUSTRIAL EVETION AND AIR POLLUTION**

**SUBMITTED BY**

**NAME: SOUMEN PAL**

**DEPARTMENT: GEOGRAPHY**

**REG. NO.: VU221211090**

**YEAR: 2022-23**

**ROLL: 1122121**

**NO.: 220106**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Soumen Pal  
Signature of Student





**Department of Geography**

**Khara gpur College  
Khara gpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Industrial ertation

and air Pollution

.....submitted by Soumen Pal

of Registration No. VU221211090 of 2022-23 and

College Roll No. 2224045 .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Khara gpur College**

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

***A PROJECT REPORT ON ENVIRONMENT SCIENCE***

***(AECC)***

**2<sup>ND</sup> SEMESTER**

**TOPIC: SOIL POLLUTION AND ITS IMPACTS ON AGRICULTURE**

**SUBMITTED BY**

**NAME: RAJAT GHOSH**

**DEPARTMENT: GEOGRAPHY**

**REG. NO.: VU221211030**

**YEAR: 2022-23**

**ROLL: 1122121**

**NO.: 220094**



**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Soil Pollution  
and its impacts on agriculture  
.....submitted by Pajat Ghosh  
of Registration No. VU221211030 of 2022-23 and  
College Roll No. 2224030 .....as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Rajat Ghosh

Signature of Student

Date:- 24/9/2023



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** ROLE OF CORAL REEFS IN  
COASTAL PROTECTION

**SUBMITTED BY**

**NAME:** PRATIK BARI

**DEPARTMENT:** GEOGRAPHY

**REG. NO.:** VU221211019

**YEAR:** 2022-2023

**ROLL:** 1122121

**NO.:** 220033



**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Role of Coral  
Reefs in Coastal Protection

.....submitted by Prantik Barui

of Registration No. VU221211019 of 2022-23 and

College Roll No. 1122121 - 2200 2224028 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Preetik Bani  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** SOURCES AND EFFECT OF  
AIR POLLUTION.

**SUBMITTED BY**

**NAME:** SANTU KAR

**DEPARTMENT:** GEOGRAPHY

**REG. NO.:** VU221211059

**YEAR:** 2022-2023

**ROLL:** 1122121

**NO.:** 220100



**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate** *sources and*

This is to certify that the ENVS project work entitled .....  
*effect of air pollution*

.....submitted by .....  
*Santu Kar.*

of Registration No. *VV221211059* ..... of *2022-2023* and

College Roll No. *1122121 220100* ..... as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 24/9/2023

Santuu Kar.

Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** *GREEN TECHNOLOGY FOR AIR  
POLLUTION CONTROL.*

**SUBMITTED BY**

**NAME:** SNEHA SHARMA

**DEPARTMENT:** GEOGRAPHY

**REG. NO. :** VU221211082, **YEAR:** 2022-2023.

**COLLEGE ROLL NO.:** 2224064.

**ROLL:-** 1122121 **No :-** 220104.



**Department of Geography**  
**Kharagpur College**  
**Kharagpur-721305 .W.B.**

**Certificate**

This is to certify that the ENVS project work entitled GREEN TECHNOLOGY  
FOR AIR POLLUTION CONTROL

.....submitted by SNEHA SHARMA

of Registration No. VU221211082 ..... of 2022-2023 and

College Roll No. 2224064 ..... as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

**Mukul Maity**  
**Department of Geography**  
**Kharagpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/2023

Sneha Sharma.  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** MANGROVE FOREST CONSERVATION AND  
RESTORATION

**SUBMITTED BY**

**NAME:** MOUMITA NAG

**DEPARTMENT:** GEOGRAPHY

**REG. NO. :** VU221211006 **YEAR:** 2022 -2023

**COLLEGE ROLL NO.:** 2224025

**ROLL :** 1122121 **NO :** 220091





Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled Mangrove forest  
conservation and Restoration.

.....submitted by Moumita Nag

of Registration No. VU221211006 of 2022 - 2023 and

College Roll No. 2224025 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Moumita Nag  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

TOPIC: NOISE POLLUTION AND ITS INTERACTION  
WITH AIR QUALITY

**SUBMITTED BY**

**NAME: ESHITA DAS**

**DEPARTMENT: GEOGRAPHY**

**REG. NO. : VU221210972 YEAR: 2022-2023**

**COLLEGE ROLL NO.: 2224068**

**ROLL :- 1122121 NO:- 220079**



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 24/9/2023

Eshita Das  
Signature of Student





Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

Certificate

This is to certify that the ENVS project work entitled NOISE POLLUTION

AND ITS INTERACTION WITH AIR QUALITY

submitted by ESHITA DAS

of Registration No. VU221210972 of 2022-2023 and

College Roll No. 2224068 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** SOCIO ECONOMIC IMPACT OF FLOOD IN THE  
LOCAL REGION

**SUBMITTED BY**

**NAME:** DEBANJALI HEMBRAM

**DEPARTMENT:** GEOGRAPHY

**REG. NO. :** VU221210960 **YEAR:** 2022 - 23

**COLLEGE ROLL NO.:** 2224011

**ROLL :** 1122121 **NO :** 220073



Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled Socio Economic impact  
of flood in the local Region

submitted by Debanjali Hembram

of Registration No. VU221210960 of 2022-23 and

College Roll No. 2224011 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Debanjali Hembram  
Signature of Student





**VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

**A PROJECT REPORT ON ENVIRONMENT SCIENCE**

**(AECC)**

**2nd SEMESTER**

**TOPIC :- Biodiversity In Coastal Zones**

**SUBMITTED BY**

**NAME :- MOHUYA PATRA**

**DEPARTMENT :- GEOGRAPHY**

**REG NO. :- VU221211003**

**ROLL :- 1122121, NO - 220089**

**YEAR :- 2022-2023**



Department of Geography

Kharagpur College  
Kharagpur-721305, W.B.

Certificate

This is to certify that the ENVS project work entitled **Biodiversity**  
**In Coastal Zones**

.....submitted by **MOHUYA PATRA**

of Registration No. **VU221211003** of **2022-2023** and

College Roll No. **2224023** as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2024

Mohaya Patra

Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

**A PROJECT REPORT ON ENVIRONMENT SCIENCE**

**(AECC)**

**2<sup>ND</sup> SEMESTER**



**TOPIC : *URBAN AIR QUALITY MANAGEMENT***

**SUBMITTED BY**

**NAME: *SOHOM DAS***

**DEPARTMENT: *GEOGRAPHY (HONS)***

**REG. NO.: *VU221211084* YEAR- *2022-2023***

**ROLL: *1122121***

**NO: *220105***



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/2023

Soham Das  
Signature of Student





**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled ..... Urban air .....  
..... quality management .....  
..... submitted by ..... Sohom Das .....  
of Registration No. .... VU221211084 ..... of 2022-23 ..... and  
College Roll No. .... 1122221220105 ..... as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**

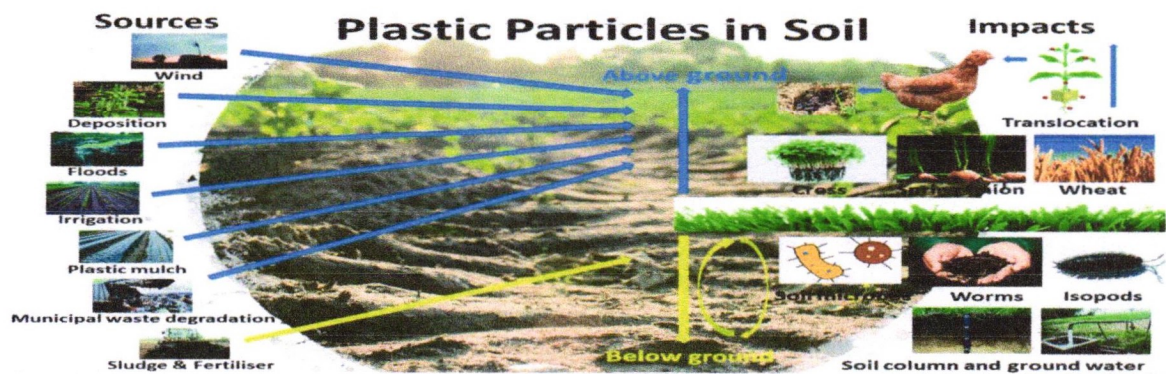
# VIDYASAGAR UNIVERSITY

## KHARAGPUR COLLEGE

A PROJECT REPORT ON ENVIRONMENT SCIENCE

(AECC)

**2<sup>ND</sup> SEMESTER**



**TOPIC : SOIL POLLUTION AND ITS IMPACT ON AGRICULTURE**

**SUBMITTED BY**

**NAME: SUBHAJIT KISKU**

**DEPARTMENT: GEOGRAPHY (HONS)**

**REG. NO.: VU221211109 YEAR- 2022-2023**

**ROLL: 1122121**

**NO: 220112**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/2022

Subhadit Kisku  
Signature of Student



**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Soil Pollution  
and its impact on Agriculture

.....submitted by Subhodit Kisku

of Registration No. VU 2212 11109 of 2022-2023 and

College Roll No. 2224052 .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**



# **VIDYASAGAR UNIVERSITY**



## **KHARAGPUR COLLEGE**



**A project report on environment science  
(AECC)**

**2nd SEMESTER**

**TOPIC:- COUSCS OND IMPACT OF LOCAL WATER BODY  
POLLUTION IN RURAL AREAS**

**SUBMITTED BY  
NAME:- DINESH SAREN**

**DEPARTMENT:- GEOGRAPHY**

**REG NO:- VU221210964 YEAR:- 2022-23**

**ROLL :- 1122121 NO:- 220076**





**Department of Geography**

**Kharagpur College  
Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled causes and  
impact of local body pollution in  
Rural areas submitted by Dinush Saren  
of Registration No. VU 221210969 of 2022-23 and  
College Roll No. 2224019 as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**



## ACKNOWLEDGEMENT

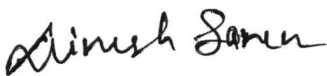
---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/9/2023

  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

**A PROJECT REPORT ON ENVIRONMENT SCIENCE**

**(AECC)**

**2<sup>ND</sup> SEMESTER**



**TOPIC : *AIR QUALITY MONITORING TECHNOLOGIES***

**SUBMITTED BY**

**NAME: *SHIBOJIT MANDI***

**DEPARTMENT: *GEOGRAPHY (HONS)***

**REG. NO.: *VU221211069* YEAR- *2022-2023***

**ROLL: *1122121***

**NO: *220102***



**Department of Geography**

**Khara gpur College  
Khara gpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled ..... *Air Quality Monitoring* .....  
..... *Technologies* .....  
..... submitted by ..... *Shibojit Mondal* .....  
of Registration No. .... *VU 2212 11069* ..... of .... *2022-23* ..... and  
College Roll No. .... *1122121 - 220102* ..... as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Kharagpur College**





## ACKNOWLEDGEMENT


---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: FISHERIES MANAGEMENT IN COASTAL ECOSYSTEM**

**SUBMITTED BY**

**NAME: SANGITA SARDAR**

**DEPARTMENT: GEOGRAPHY(H)**

**REG. NO.: VU221211054**

**YEAR: 2022-2023**

**ROLL: 1122121**

**NO.: 220099**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:-

24/9/2013

Sangita Sarda

Signature of Student



**Department of Geography**

**Khara gpur College  
Khara gpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled .....

.....submitted by Sangita Sarker.....

of Registration No. VU221211054 of 2022-2023 and

College Roll No. 1122121 220099 (2224036) as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Khara gpur College**



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: INDOOR AIR QUALITY AND HEALTH**

**SUBMITTED BY**

**NAME: SUMAN PATAR**

**DEPARTMENT: GEOGRAPHY**

**REG. NO. : VU221211127 YEAR: 2022 - 2023**

**COLLEGE ROLL NO.: 2224056**

**ROLL : 1122121 NO : 220115**





Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled Indoor air quality  
and health.

submitted by Suman Patra

of Registration No. VU221211127 of 2022 - 2023 and

College Roll No. 2224056 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 02/09/2022

Suman Patra  
Signature of Student

# VIDYASAGAR UNIVERSITY

## KHARAGPUR COLLEGE

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*  
(AECC)

**2<sup>ND</sup> SEMESTER**

TOPIC: ENVIRONMENTAL IMPACT ASSESSMENT FOR  
POLLUTION CONTROL

**SUBMITTED BY**

NAME: RUPAM BIBAR

DEPARTMENT: GEOGRAPHY

REG. NO. : VU221211042      YEAR: 2022 - 23

COLLEGE ROLL NO.: 2224033

ROLL :- 1121121      NO :- 220098







Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled ENVIRONMENTAL

IMPACT ASSESSMENT FOR POLLUTION CONTROL

submitted by Rupam Bibap

of Registration No. VU221211042 of 2022-23 and

College Roll No. 2224033 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 21/04/2024

Rupam Bibar.  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** *Air pollution in developing countries*

**SUBMITTED BY**

**NAME:** *Julie Dey*

**DEPARTMENT:** *Geography*

**REG. NO.:** *VU221210980*      **YEAR:** *2022-23*

**ROLL:** *1122121*

**NO.:** *220081*

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

*Julie Dey*  
Signature of Student





**Department of Geography**  
**Khara gpur College**  
**Khara gpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Air Pollution in  
Developing countries

.....submitted by Julie Dey

of Registration No. VU221210980 of 2022-23 and

College Roll No. 2224067 .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity**  
**Department of Geography**  
**Khara gpur College**

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: EMICAL POLLUTION IN INDUSTRIAL  
SETTINGS**

**SUBMITTED BY**

**NAME: AISWARYA MODAK**

**DEPARTMENT: GEOGRAPHY**

**REG. NO.: VU221210926    YEAR: 2022 - 23**

**ROLL: 1122 121                      NO.: 2200 67**





**Department of Geography**  
**Khargapur College**  
**Khargapur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Emical Pollution  
and Industrial Settings

submitted by Aishwarya Modak

of Registration No. VU221210926 of 2022-2023 and

College Roll No. 22240761122121 <sup>-220067</sup> as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity**  
**Department of Geography**  
**Khargapur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2022

Diswarya Madak  
Signature of Student



**VIDYASAGAR UNIVERSITY**  
**KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

(AJEC)

**2<sup>ND</sup> SEMESTER**

**TOPIC: POLICY INITIATIVES FOR AIR POLLUTION REDUCTION**

**SUBMITTED BY**

**NAME: ARINDAM SAHU**

**DEPARTMENT: GEOGRAPHY**

**REG. NO.: VU221210943      YEAR: 2022-2023**

**ROLL: 1122121      NO.: 220069**



**Department of Geography**  
**Khara gpur College**  
**Khara gpur-721305 ,W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Policy Initiatives for  
Air Pollution Reduction  
.....submitted by Amindam Sahu  
of Registration No. VU221210943 of 2022-2023 and  
College Roll No. ~~2224075~~ 1122121 - 220069 as a partial fulfillment of AECC  
(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity**  
**Department of Geography**  
**Khara gpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 04/04/2023

*Arindam Saha*  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*  
(AECC)

**2<sup>ND</sup> SEMESTER**

**TOPIC:** Emission Trading and Air Quality Managemnent

**SUBMITTED BY**

**NAME:** Rakesh mana

**DEPARTMENT:** Geography

**REG. NO.:** VU221211032 **YEAR:** 2022-2023

**ROLL:** 1122121 **NO.:** 220095



Department of Geography  
Kharagpur College  
Kharagpur-721305, W.B.

**Certificate**

This is to certify that the ENVS project work entitled .....

**Emission Trading and Air Quality Managemnent**

.....submitted by **Rakesh Mana**

of Registration No. **VU221211032** of **2022-2023** and

College Roll No. **2224062** .....as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the  
year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:-

21/9/2023

Rakesh mama.  
Signature of Student



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** AIR POLLUTION AND CLIMATE CHANGE

**SUBMITTED BY**

**NAME:** SUMON PAL

**DEPARTMENT:** GEOGRAPHY

**REG. NO.:** VU221211130 **YEAR:** 2022-2023

**COLLEGE ROLL NO.:** 2224057

ROLL - 1122121

NO - 220116



## Department of Geography

Kharagpur College

Kharagpur-721305, W.B.

### Certificate

This is to certify that the ENVS project work entitled AIR POLLUTION AND

CLIMATE CHANGE

submitted by Sumon Pal

of Registration No. VU221211130 of 2022-2023 and

College Roll No. 2224057 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

Date -

Mukul Maity  
Department of Geography  
Kharagpur College



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2024

Sumon Pal  
Signature of Student



# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC: EFFECTS OF OIL SPILLS ON COASTAL  
ENVIRONMENTS**

**SUBMITTED BY**

**NAME: MOULI MAL**

**DEPARTMENT: GEOGRAPHY**

**REG.NO.: VU221211005 YEAR: 2022 - 23**

**COLLEGE ROLL NO.: 2224024**

**ROLL: 1122121 NO: 220090**



**Department of Geography**

**Kharagpur College**

**Kharagpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Effects of oil spills on  
Coastal Environments

.....submitted by MOULI MAL

of Registration No. VU221211005 ..... of 2022 - 23 ..... and

College Roll No. 2224024 ..... as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity**  
**Department of Geography**  
**Kharagpur College**

## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Mouli Mal  
Signature of Student

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

*A PROJECT REPORT ON ENVIRONMENT SCIENCE*

*(AECC)*

**2<sup>ND</sup> SEMESTER**

**TOPIC:** SOCIO ECONOMIC IMPACT OF CYCLONE IN  
RURAL AREAS

**SUBMITTED BY**

**NAME:** DHIRENDRANATH DOLUI

**DEPARTMENT:** GEOGRAPHY

**REG. NO.:** VV221210963 **YEAR:**

**ROLL:** 1121121

**NO.:** 220075



**Department of Geography**

**Khara gpur College  
Khara gpur-721305, W.B.**

**Certificate**

This is to certify that the ENVS project work entitled Socio Economic Impact  
of cyclone In Rural Areas

.....submitted by Chandranath Paki

of Registration No. W221210963 of 2022-2023 and

College Roll No. 1121121 - 220075 as a partial fulfillment of AECC

(Environmental Studies) of B.A/B. Sc degree under my guidance and supervision in the

year of 2023 of Vidyasagar University. This is an original work done by him/her.

**Date -**

**Mukul Maity  
Department of Geography  
Khara gpur College**



## ACKNOWLEDGEMENT

---

I express my deep sense of gratitude to my guides, Mukul Maity, Kharagpur College, for her excellent guidance. As well as our other teachers and principal who give me the golden opportunity to this project reports on Environment Science. Which also help me to know about so many things. I am really thankful to them. I would also like to thank my parents and friends who help me a lot in finishing this field report within the limited time.

To the best of my knowledge, the matter embodied in the project has not been submitted to any other university/institute for the award of any degree and it is also more authentic. I am making this field report not only for mark but to also increase my knowledge.

Thanks again to all who helped me.

Date:- 22/9/2023

Divendranath Doloi  
Signature of Student