

# **VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

## **PROJECT ON ENVIRONMENTAL STUDIES**

**TOPIC:** BOTANICAL GARDEN AND ITS ROLE IN CONSERVATION

**SUBMITTED BY:** SANDIP MAHATA

**DEPARTMENT:** BSC BTO GENERAL

**REG NO:** VU22121167 of 2022-23

**ROLL-** 1222121 221034

**SEMESTER : 2nd**

## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

*Sandip Mahata*  
Signature of the Candidate



# KHARAGPUR COLLEGE

## KHARAGPUR

ESTD. : 1949

P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur,  
P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### **CERTIFICATE**

I certify that the project entitled BOTANICAL GARDEN AND ITS ROLE IN CONSERVATION submitted by SANDIP MAHATA for the completion of Environmental Studies project of 2<sup>nd</sup> semester. He worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE

# VIDYASAGAR UNIVERSITY

KHARAGPUR COLLEGE

## PROJECT ON ENVIRONMENTAL STUDIES

TOPIC: ZOOLOGICAL PARK AND ITS ROLE IN CONSERVATION

SUBMITTED BY: SAYANTAN SEN

DEPARTMENT: BSC - Bio - General

REG NO: VU221211169 of 2022-2023

ROLL- 1222121221029

SEMESTER : 2nd



## ACKNOWLEDGEMENTS


I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

  
Signature of the Candidate



# KHARAGPUR COLLEGE

## KHARAGPUR

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P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled ZOOLOGICAL PARK AND ITS ROLE IN CONSERVATION submitted by SAYANTAN SEN for the completion of Environmental Studies project of 2<sup>nd</sup> semester. He worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE

# **VIDYASAGAR UNIVERSITY**

## **KHARAGPUR COLLEGE**

### **PROJECT ON ENVIRONMENTAL STUDIES**

TOPIC: BIO-DIVERSITY <sup>AND</sup> ~~BY~~ ITS IMPORTANCE

SUBMITTED BY: SAMIR MAHATA

DEPARTMENT: BSC BIO GENERAL

REG NO: VU221211166 of 2022-2023

ROLL- 1222121 NO- 221027

SEMESTER : 2nd

## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

*Samir Mahata*  
Signature of the Candidate



# KHARAGPUR COLLEGE

## KHARAGPUR

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P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled BIO DIVERSITY AND ITS IMPORTANCE submitted by SAMIR MAHATA for the completion of Environmental Studies project of 2<sup>nd</sup> semester. He worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE

**VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

**PROJECT ON ENVIRONMENTAL STUDIES**

**TOPIC:** *POACHING OF WILDLIFE*

**SUBMITTED BY:** *Debasish Mondal*

**DEPARTMENT:** *BSc Bio General*

**REG NO:** *VU221231154 of 2022-2023*

**ROLL-** *2231007*

**SEMESTER : 2nd**



## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

Debasish Mandal  
Signature of the Candidate





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P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled POACHING OF WILDLIFE submitted by DEBASISH MANDAL for the completion of Environmental Studies project of 2<sup>nd</sup> semester. He worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE

# VIDYASAGAR UNIVERSITY

## KHARAGPUR COLLEGE

### PROJECT ON ENVIRONMENTAL STUDIES

TOPIC: MORPHOLOGY AND IMPORTANCE OF - Coix gigantea

SUBMITTED BY: SAGAR BISAI

DEPARTMENT: BSC BIO GENERAL

REG NO: VU221211164 of 2022-23

ROLL- 1222121 NO- 221025

SEMESTER : 2nd

## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

*Sagar Bisai*  
Signature of the Candidate



# KHARAGPUR COLLEGE

## KHARAGPUR

ESTD. : 1949

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P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled MORPHOLOGY AND IMPORTANCE OF *Coix gigantea* submitted by SAGAR BISAI for the completion of Environmental Studies project of 2<sup>nd</sup> semester. He worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE



# **VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

## **PROJECT ON ENVIRONMENTAL STUDIES**

TOPIC: GENE BANK AND IT'S ROLE IN CONSERVATION

SUBMITTED BY: SUJAY BHATTACHARYA

DEPARTMENT: BSC - BIO - GENERAL

REG NO: VU221211179 of 2022-2023

ROLL- 1222121221031

SEMESTER : 2nd

## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

*SuJoy Bhattacharya.*  
Signature of the Candidate



# KHARAGPUR COLLEGE

## KHARAGPUR

ESTD. : 1949

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P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled GENE BANK AND ITS ROLE IN CONSERVATION submitted by SUJAY BHATTACHARYA for the completion of Environmental Studies project of 2<sup>nd</sup> semester. He worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE



**VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

**PROJECT ON ENVIRONMENTAL STUDIES**

TOPIC: SEED BANK AND ITS ROLE IN CONSERVATION

SUBMITTED BY: BRISTI PATAR

DEPARTMENT: B.SC BIO GENERAL

REG NO: VU221211152 of 2022-2023

ROLL- 1222121 - 221019

SEMESTER : 2nd

## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

Bouisti Patan  
Signature of the Candidate



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## KHARAGPUR

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P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### **C E R T I F I C A T E**

I certify that the project entitled SEED BANK AND ITS ROLE IN CONSERVATION submitted by BRISTI PATAR for the completion of Environmental Studies project of 2<sup>nd</sup> semester. She worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

  
HAPPY DAS

STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE



**VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

**PROJECT ON ENVIRONMENTAL STUDIES**

**TOPIC:** MORPHOLOGY & IMPORTANCE OF Vetiveria zizanioides.

**SUBMITTED BY:** ANANYA BHATTACHARYA

**DEPARTMENT:** BSC BIO GENERAL

**REG NO:** VV221211148 of 2022-2023

**ROLL-** 1222121-221016 .

**SEMESTER : 2nd**



## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

*Ananya Bhattacharya*  
Signature of the Candidate



# KHARAGPUR COLLEGE

## KHARAGPUR


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P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur,  
P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled MORPHOLOGY AND IMPORTANCE OF *Vetiveria zizanioides* submitted by ANANYA BHATTACHARYA for the completion of Environmental Studies project of 2<sup>nd</sup> semester. She worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

  
HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE

# VIDYASAGAR UNIVERSITY

## KHARAGPUR COLLEGE

### PROJECT ON ENVIRONMENTAL STUDIES

TOPIC: ~~MORPHO~~ ROLE OF IN-SITU CONSERVATION IN  
MAINTAIN BIO-DIVERSITY

SUBMITTED BY: M. DAKSHAYANI

DEPARTMENT: B.SC. BIO GENERAL

REG NO: VU221211158

ROLL- 1222121 NO. 221022

SEMESTER : 2nd



## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

*M. Dakshayani*  
Signature of the Candidate



# **KHARAGPUR COLLEGE**

## **KHARAGPUR**

ESTD. : 1949

P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur,  
P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### **CERTIFICATE**

I certify that the project entitled **ROLE OF INSITU CONSERVATION IN MAINTAIN BIODIVERSITY** submitted by **M. DAKSHAYANI** for the completion of Environmental Studies project of 2<sup>nd</sup> semester. She worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE

# VIDYASAGAR UNIVERSITY

KHARAGPUR COLLEGE

## PROJECT ON ENVIRONMENTAL STUDIES

TOPIC: ROLE OF EX SITU CONSERVATION IN MAINTAIN  
SUBMITTED BY: BINA MAITY BIODIVERSITY

DEPARTMENT: BSC. BIO GENERAL

REG NO: VU22121151 of 2022 - 2023

ROLL- 1222121 NO - 221018

SEMESTER : 2nd

## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

Bima Maity

Signature of the Candidate



# KHARAGPUR COLLEGE

## KHARAGPUR

ESTD. : 1949

P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur,  
P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled **ROLE OF EXSITU CONSERVATION IN MAINTAIN BIODIVERSITY** submitted by **BINA MAITY** for the completion of Environmental Studies project of 2<sup>nd</sup> semester. She worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

  
HAPPY DAS

STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE



**VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

**PROJECT ON ENVIRONMENTAL STUDIES**

**TOPIC: MORPHOLOGY AND IMPORTANCE OF Solanum tuberosum**

**SUBMITTED BY: DIPANWITA MAITY**

**DEPARTMENT: B.SC. BIO GENERAL**

**REG NO: VU221211155 of 2022-2023**

**ROLL- 1222121-221021**

**SEMESTER : 2nd**

## ACKNOWLEDGEMENTS

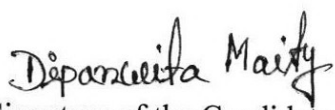
I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

  
Signature of the Candidate





# KHARAGPUR COLLEGE

## KHARAGPUR

ESTD. : 1949

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P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled MORPHOLOGY AND IMPORTANCE OF *Solanum tuberosum* submitted by DIPANWITA MAITY for the completion of Environmental Studies project of 2<sup>nd</sup> semester. She worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
KHARAGPUR COLLEGE

# **VIDYASAGAR UNIVERSITY**

**KHARAGPUR COLLEGE**

## **PROJECT ON ENVIRONMENTAL STUDIES**

**TOPIC:** CRYOPRESERVATION AND ITS ROLE IN CONSERVATION

**SUBMITTED BY:** RAIMA SEAL

**DEPARTMENT:** BSC BIO GENERAL

**REG NO:** VU221211161

**ROLL-** 1222121      **NO-** 221024

**SEMESTER : 2nd**

## ACKNOWLEDGEMENTS

I like to express my deep sense of gratitude to PROF. HAPPY DAS, Faculty, department of Botany, Kharagpur collage, for his constant encouragement, guidance and instructions.

I also very thankful to DR. BIDYUT SAMANTA, respected Principal of Kharagpur Collage.

I would like to express my thanks to my parents for their encouragements, helped for the success and support time to time .

Place: KHARAGPUR

Date:

*Raima Seal*

Signature of the Candidate



# KHARAGPUR COLLEGE

## KHARAGPUR

ESTD. : 1949

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P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

---

### CERTIFICATE

I certify that the project entitled CRYOPRESERVATION AND ITS ROLE IN CONSERVATION submitted by RAIMA SEAL for the completion of Environmental Studies project of 2<sup>nd</sup> semester. She worked under my supervision and guidance. It has been found to be satisfactory and hereby approved for the submission.

HAPPY DAS  
STATE AIDED COLLEGE TEACHER,  
DEPARTMENT OF BOTANY,  
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