

**ENVIRONMENTAL STUDIES**

**NATURAL RESOURCES DEPLETION**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of the Degree of Bachelor of  
Computer Applications**

**Submitted by,**

**Ms. A Nandhini(2022BC24)**

**Ms. C Santhiya (2022BC32)**

**Ms. K Srinithi (2022BC36)**

**Ms. M Sundareshwari (2022BC38)**

**Under the guidance of**

**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**

**Assistant professor,  
Department of Computer Applications.**



**Fatima College (Autonomous)**

**Madurai - 625 018.**

**2023**

### **CERTIFICATE**

This to certify that this project entitled "**NATURAL RESOURCES DEPLETION**" Submitted by **Nandhini. A (2022BC24) Santhiya. C (2022BC32) Srinithi. K (2022BC36) Sundareshwari. M (2022BC38)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**



**Guide Signature**

## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. Arockia Jackuline Joni M.Sc., M.Phil., (Ph.D) Assistant professor**, Department of Computer Applications, **Fatima College (Autonomous), Madurai- 18** and this work has not been submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**

*A. Nandhini*  
**Nandhini. A (2022BC24).**

*C. Santhiya*  
**Santhiya. C (2022BC32)**

*K. Srinithi*  
**Srinithi. K (2022BC36)**

*M. Sundareswari*  
**Sundareshwari. M(2022BC38)**

# **ENVIRONMENTAL STUDIES**

## **CLIMATE CHANGE**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of the Degree of  
Bachelor of Computer Applications**

**Submitted by**

**MS.B.K.AGALYA (2022BC01)**

**MS.P.HERSHEL RAYEN (2022BC12)**

**MS.H.RUBINA ASVITHA (2022BC29)**

**MS.K.SAMEENA BEGUM (2022BC30)**

**MS.M.UDHAYA SRI (2022BC41)**

**Under the guidance of**

**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**

**Assistant professor,  
Department of Computer Applications.**



**Fatima College (Autonomous)**

**Madurai - 625 018.**

**September 2023**

## **CERTIFICATE**

This to certify that this project entitled “**CLIMATE CHANGE**” Submitted by **Agalya.B.K (2022BC01) Hershel rayen.P (2022BC12) Rubina asvitha.H (2022BC29) Sameena begum.K (2022BC30) Udhaya sri.M (2022BC41)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**

  
**Guide Signature**

## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of Ms. J. Arockia Jackuline Joni M.Sc., M.Phil., (Ph.D) Assistant professor, Department of Computer Applications, Fatima College (Autonomous), Madurai- 18 and this work has not been submitted elsewhere for any other degree.

Date: 30.09.2023

Madurai.

*B.k. Agalya.*  
B.k.Agalya (2022BC01)

*P. Hershel Rayen.*  
P.Hershel Rayen (2022BC11)

*H. Rubina asvitha*  
H.Rubina asvitha (2022BC29)

*k. Sameena begum*  
K.Sameena begum (2022BC30)

*M. Udhaya Sri*  
M.Udhaya sri (2022BC41)



# **ENVIRONMENTAL STUDIES**

## **URBAN ECOLOGY**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of the Degree of  
Bachelor of Computer Applications**

**Submitted by**

**MS.B. DEESHIKA (2022BC46)**

**MS. M. SUGANTHI (2022BC37)**

**MS. R.BHALA SHIVANI (2022BC03)**

**MS. K .MARI MOHANA (2022BC22)**

**MS. B .BELINDA (2022BC02)**

**Under the guidance of**

**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**

**Assistant professor,  
Department of Computer Applications.**



**Fatima College (Autonomous)**

**Madurai - 625 018.**

**September 2023**

## CERTIFICATE

This to certify that this project entitled “**URBAN ECOLOGY**” submitted by **Belinda.B (2022BC02)**, **Bhala Shivani. R (2022BC03)**, **Mari Mohana. K (2022BC22)**, **Suganthi.M (2022BC37)**, **Deeshika. B (2022BC46)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**



**Guide    Signature**



## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. Arockia Jackuline Joni M.Sc., M.Phil., (Ph.D) Assistant professor**, Department of Computer Applications, **Fatima College (Autonomous), Madurai-18** and this work has not been submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**

*B. Belinefa*

**Belinda. B (2022BC02)**

*Bhala Shivani R*

**Bhala Shivani. R (2022BC03)**

*K. Mari Mohana*

**Mari Mohana. K(2022BC22)**

*Suganthi. M*

**Suganthi. M (2022BC37)**

*Deeshika. B*

**Deeshika. B(2022BC46)**

**ENVIRONMENTAL STUDIES**  
**WASTE MANAGEMENT**

**Project submitted to Fatima College (Autonomous), Madurai -18**  
**In Partial Fulfilment of the requirements of the Award of the Degree of**  
**Bachelor of Computer Applications**

**Submitted by**

**MS.R.BHARATHI (2022BC04)**  
**MS.A.HARINI (2022BC45)**  
**MS.S.JANANE (2022BC14)**  
**MS.K.VIVEKA SRI LAKSHMI (2022BC43)**

**Under the guidance of**

**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**  
**Assistant professor,**  
**Department of Computer Applications.**



**Fatima College (Autonomous)**  
**Madurai - 625 018.**  
**September 2023**

### **CERTIFICATE**

This to certify that this project entitled “**WASTE MANAGEMENT**” Submitted by **Ms.Bharathi.R(2022BC04)**, **Ms.Harini.A (2022BC45)**, **Ms.Janane.S (2022BC14)** **Ms.Viveka SriLakshmi.K (2022BC43)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**

  
**Guide Signature**



## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. Arockia Jackuline Joni M.Sc., M.Phil., (Ph.D) Assistant professor, Department of Computer Applications, Fatima College (Autonomous), Madurai- 18** and this work has not been submitted elsewhere for any other degree.

Date: 30.09.2023

Madurai.

*R. Bharathi*

**Ms.Bharathi.R(2022BC04)**

*A. Harini*

**Ms.Harini.A(2022BC45)**

*S Janane*

**Ms.Janane.S(2022BC14)**

*K. Viveka Sri Lakshmi*

**Ms.Viveka Sri Lakshmi.K(2022BC43)**

**NET ZERO**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of the Degree of  
Computer Applications**

**Submitted by**

**Ms. S. Cecilia Mary(2022BC05)**

**Ms. A. Faisul Rifana (2022BC08)**

**Ms. S. Harini (2022BC10)**

**Ms. R. Kamatchi (2022BC16)**

**Ms. R. Kaviya (2022BC18)**

**Under the guidance of**

**Ms. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**

**Assistant professor,  
Department of Computer Applications.**



**Fatima College (Autonomous)**

**Madurai - 625 018.**

**2023**

## **CERTIFICATE**

This to certify that this project entitled **“NET ZERO”** Submitted by Submitted by **Ms. Cecilia mary. S (2022BC05) Ms. Faisul Rifana. A (2022BC08) Ms. Harini. S (2022BC10) Ms. Kamatchi. R (2022BC16) Ms. Kaviya. R (2022BC18)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date: 30.09.2023**

**Madurai.**



**Guide Signature**



## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. AROCKIA JACKULINE JONI M.Sc., M.Phil., (Ph.D)** Assistant professor, Department of Computer Applications, **Fatima College (Autonomous), Madurai- 18** and this work has not been submitted elsewhere for any other degree.

**Date: 30.09.2023**

**Madurai.**

*S. Cecilia Mary*  
S. CECILIA MARY (2022BC05)

*A. Faizul Rifana*  
A. FAISUL RIFANA (2022BC08)

*S. Harini*  
S. HARINI (2022BC10)

*R. Kamatchi*  
R. KAMATCHI (2022BC16)

*R. Kaviya*  
R. KAVIYA (2022BC18)

# **ENVIRONMENTAL STUDIES**

## **MARINE POLLUTION**

**Project submitted to Fatima College (Autonomous), Madurai -18**  
**In Partial Fulfilment of the requirements of the Award of the Degree of**  
**Bachelor of Computer Applications**

**Submitted by**

**Ms. K DEEPIKA (2022BC06)**

**Ms. J KANISH RAHIMA (2022BC17)**

**Ms. A PON DIVYA DHARSHINI (2022BC25)**

**Ms. K S THARSHINI PRIYA (2022BC40)**

**Ms. C PREETHIGA (2022BC44)**

**Under the guidance of**

**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**

**Assistant professor,  
Department of Computer Applications.**



**Fatima College (Autonomous)**

**Madurai - 625 018.**

**September 2023**

## **CERTIFICATE**

This to certify that this project entitled “**MARINE POLLUTION**” Submitted by **Deepika. K (2022BC06), Kanish Rahima. J (2022BC17), Pon Divya Dharshini. A (2022BC25), Tharshini Priya. K S (2022BC40), Preethiga. C (2022BC44)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**

  
**Guide      Signature**

## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. Arockia Jackuline Joni M.Sc., M.Phil., (Ph.D) Assistant professor, Department of Computer Applications, Fatima College (Autonomous), Madurai-18** and this work has not been submitted elsewhere for any other degree.

**Date: 30.09.2023**

**Madurai.**

*K. Deepika*

Deepika. K (2022BC06)

*J. Kanish Rahima*

Kanish Rahima. J (2022BC17)

*A.Pon Divya Dharshini*

Pon Divya Dharshini. A (2022BC25)

*K.S. Priya*

Tharshini Priya. K S (2022BC40)

*C. Preethi*

Preethiga. C (2022BC44)

**ENVIRONMENTAL STUDIES**  
**PLASTIC POLLUTION**

**Project submitted to Fatima College (Autonomous), Madurai -18**  
**In Partial Fulfilment of the requirements of the Award of the Degree of**  
**Bachelor of Computer Applications**

**Submitted by**

**MS. V . M . DIVYA DHARSHINI (2022BC07)**

**MS . B . MAHALAKSHIMI (2022BC21)**

**MS . S. SOWMIYA (2022BC35)**

**MS . G. SWETHA (2022BC39)**

**Under the guidance of**

**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**

**Assistant professor,**  
**Department of Computer Applications.**



**Fatima College (Autonomous)**

**Madurai - 625 018.**

**September 2023**




## CERTIFICATE

This to certify that this project entitled **“PLASTIC DEBRIS”** Submitted by **Divya Dharshini.V.M (2022BC07) Maha Lakshimi .B (2022BC21) Sowmiya .S (2022BC35) Swetha. G (2022BC39)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date: 30.09.2023**

**Madurai.**

  
**Guide      Signature**



## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. Arockia Jackuline Joni M.Sc.,M.Phil.,(Ph.D)** Assistant professor, Department of Computer Applications, **Fatima College (Autonomous), Madurai- 18** and this work has not been submitted elsewhere for any other degree.

**Date: 30.09.2023**

**Madurai.**

*V.M. Divya Dharshini*  
**Divya Dharshini.V.M**  
**(2022BC07)**

*B. Maha Lakshmi*  
**Maha Lakshimi.B**  
**(2022BC21)**

*S. Sowmiya .*  
**Sowmiya.S**  
**(2022BC35)**

*G. Swetha*  
**Swetha.G**  
**(2022BC39)**

## **ENVIRONMENTAL STUDIES**

### **GLOBAL WARMING**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of the Degree of  
Bachelor of Computer Applications**

**Submitted by**

**MS.B. MARIA CHRISTINA JEFRIN (2022BC23)**

**MS. J. SAMREEN (2022BC31)**

**MS. N. LAVANYA (2022BC20)**

**MS.N. PRAMIKA (2022BC26)**

**MS. M. JEEVAJOTHI (2022BC15)**

**MS. P. FELIXYA MERLIN (2022BC09)**

**Under the guidance of**

**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**

**Assistant professor,  
Department of Computer Applications.**



**Fatima College (Autonomous)**

**Madurai - 625 018.**

**September 2023**

### **CERTIFICATE**

This to certify that this project entitled “**GLOBAL WARMING**” Submitted by **Ms. Felixya Merlin. P (2022BC09) Ms. Jeevajothi. M (2022BC15) Ms. Lavanya. N (2022BC20) Ms. Maria Christina Jefrin. B (2022BC23) Ms. Pramika. N (2022BC26) Ms. Samreen. J (2022BC31)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**



**Guide Signature**

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## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. Arockia Jackuline Joni M.Sc., M.Phil., (Ph.D) Assistant professor**, Department of Computer Applications, **Fatima College (Autonomous), Madurai- 18** and this work has not been submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**

*P. Felixya merlin*

**Felixya Merlin. P (2022BC20)**

*M. Jeevajothi*

**Jeevajothi. M (2022BC15)**

*N. Lavanya*

**Lavanya. N (2022BC20)**

*B. Mehf.*

**Maria Christina Jefrin. B (2022BC23)**

*N. Pramika*

**Pramika. N (2022BC26)**

# **ENVIRONMENTAL STUDIES**

## **OCEAN BIOMES**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of the Degree of  
Bachelor of Computer Applications**

**Submitted by**

**MS. J HEENA ALI (2022BC11)**

**MS. M KRISHNA PRIYA (2022BC19)**

**MS. S PRIYANKA (2022BC27)**

**MS. T SIVA DHARSHINI (2022BC34)**

**Under the guidance of**

**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D),**

**Assistant professor,  
Department of Computer Applications.**



**Fatima College (Autonomous)**

**Madurai - 625 018.**

**September 2023**



## **CERTIFICATE**

This to certify that this project entitled "OCEAN BIOMES" Submitted by Ms.Heena Ali. J(2022BC11) Ms.Krishna Priya. M (2022BC19) Ms. Priyanka. S(2022BC27) Ms. SivaDharshini. T (2022BC34) for the degree of Bachelor of Computer Applications is based on the result oh studies carried out by them under my guidance and supervision in The Department of Computer Application, Fatima College (Autonomous), Madurai-18

This project is not submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**



**Guide Signature**



## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. Arockia Jackuline Joni M.Sc., M.Phil., (Ph.D) Assistant professor**, Department of Computer Applications, **Fatima College (Autonomous), Madurai- 18** and this work has not been submitted elsewhere for any other degree.

Date: 30.09.2023

Madurai.

*J. Heena Ali*

J Heena Ali (2022BC11)

*M. Krishna Priya*

M Krishna Priya (2022BC19)

*S. Priyanka*

S Priyanka (2022BC27)

*T. Siva Dharshini*

T Siva Dharshini (2022BC34)

**ENVIRONMENTAL STUDIES**  
**AGRICULTURE**

**Project submitted to Fatima College (Autonomous), Madurai -18**  
**In Partial Fulfillment of the requirements of the Award of the Degree of**  
**Bachelor of Computer Applications**

**Submitted by**  
**MS. N.RAJASHREE (2022BC28)**  
**MS. S. INDHUJA (2022BC13)**

**Under the guidance of**  
**MS. J. Arockia Jackuline Joni M.Sc., M.Phil.,(Ph.D.),**  
**Assistant professor,**  
**Department of Computer Applications**



**Fatima College (Autonomous)**  
**Madurai -625 018.**  
**September 2023**

### **CERTIFICATE**

This to certify that this project entitled "AGRICULTURE" Submitted by **MS. N.RAJASHREE (2022BC28)MS. S. INDHUJA (2022BC13)** for the degree of Bachelor of Computer Applications is based on the result of studies carried out by them under my guidance and supervision in The Department of Computer Applications, Fatima College (Autonomous), Madurai-18.

This project is not submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**



**Guide Signature**

## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. J. Arockia Jackuline Joni M.Sc.,M.Phil,(Ph.D)** Assistant professor, Department of Computer Applications, **Fatima College (Autonomous), Madurai- 18** and this work has not been submitted elsewhere for any other degree.

**Date:** 30.09.2023

**Madurai.**

*N. Rajashree*

**N. RAJASHREE (2022BC28)**

*S. Indhuja*

**S. INDHUJA (2022BC13)**