

# **ENVIRONMENTAL EDUCATION – OCEAN POLLUTION, CAUSES, EFFECTS AND PREVENTION**

A Project submitted to Fatima College (Autonomous), Madurai -18  
in partial fulfilment of the requirements of the award of the Degree of

## **BACHELOR OF ARTS IN ENGLISH**

Submitted By

Ms. Aasima. S	(2021LB01)
Ms. Harunya. G	(2021LB16)
Ms. Kalainaya Rajeswari. J	(2021LB21)
Ms. Mahesha. S	(2021LB25)
Ms. Mutharasi. B	(2021LB29)
Ms. Ragavi. S	(2021LB36)
Ms. Saniyah Anjum. E. S	(2021LB43)
Ms. Shiny Rosani. R	(2021LB44)
Ms. Vinothini Sri. M	(2021LB52)

Under the Guidance of

**MRS. K. ASHTA LAKSHMI**

Assistant Professor

Department of English (SF)



**Fatima College (Autonomous)**

**Re-Accredited with 'A++' Grade by NAAC (Cycle-IV)**

**Mary Land, Madurai-625 018, Tamil Nadu.**

**NOVEMBER 2022**

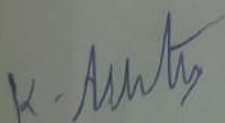


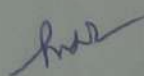
**FATIMA COLLEGE (AUTONOMOUS)**  
Re-Accredited with 'A++' by NAAC (Cycle - IV)  
Mary Land, Madurai

To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of **Mrs. K. Ashta Lakshmi**, Assistant Professor of the **Department of English (SF)** for the Academic Year 2022-2023.

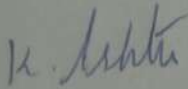
S. No.	Reg. No.	Name of the Students	Title of the Project
1.	2021LB01	Aasima. S	Ocean Pollution, Causes, Effect and Prevention
2.	2021LB16	Harunya. G	Ocean Pollution, Causes, Effect and Prevention
3.	2021LB21	Kalainaya Rajeswari. J	Ocean Pollution, Causes, Effect and Prevention
4.	2021LB25	Mahesha. S	Ocean Pollution, Causes, Effect and Prevention
5.	2021LB29	Mutharasi. B	Ocean Pollution, Causes, Effect and Prevention
6.	2021LB36	Ragavi. S	Ocean Pollution, Causes, Effect and Prevention
7.	2021LB43	Saniyah Anjum. E. S	Ocean Pollution, Causes, Effect and Prevention
8.	2021LB44	Shiny Rosani. R	Ocean Pollution, Causes, Effect and Prevention
9.	2021LB52	Vinothini Sri. M	Ocean Pollution, Causes, Effect and Prevention

  
Project Guide

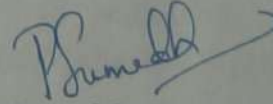
  
Coordinator, Environmental Studies

## CERTIFICATE

This is to certify that this project entitled, ENVIRONMENTAL EDUCATION – OCEAN POLLUTION, CAUSES, EFFECT AND PREVENTION submitted by Ms. Aasima. S, Ms. Harunya. G, Ms. Kalainaya Rajeswari. J, Ms. Mahesha. S, Ms. Mutharasi. B, Ms. Ragavi. S, Ms. Saniyah Anjum. E. S, Ms. Shiny Rosani. R, Ms. Vinothini Sri. M for the Degree of Bachelor of Arts is based on the results of studies carried out by them under my guidance and supervision in the Department of English(SF), Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Signature of the Course Teacher



Signature of the Head of the Department

Place: Madurai

Date: 18-11-2022

## DECLARATION

We hereby declare that this work has been originally carried out by us under the guidance and supervision of Ms. K. Ashta Lakshmi, M.A., M. Phil., NET., Assistant Professor, Department of English (SF), Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Place: Madurai

Date: 18.11.2022

*S. Aasima*

Ms. Aasima. S (2021LB01)

*G. Harunya*

Ms. Harunya. G (2021LB16)

*Kalainaya Rajeswari J*

Ms. Kalainaya Rajeswari. J (2021LB21)

*S. Mahesha*

Ms. Mahesha. S (2021LB25)

*B. Mutharasi*

Ms. Mutharasi. B (2021LB29)

*S. Ragavi*

Ms. Ragavi. S (2021LB36)

*Anjum E. S*

Ms. Saniyah Anjum. E. S (2021LB43)

*R. Shiny Rosani*

Ms. Shiny Rosani. R (2021LB44)

*M. Vinithini Sri*

Ms. Vinithini Sri. M (2021LB52)

# **ENVIRONMENTAL EDUCATION – LIGHT POLLUTION AND THE EFFECTS ON PLANTS**

A Project submitted to Fatima College (Autonomous), Madurai -18  
in partial fulfilment of the requirements of the award of the Degree of

## **BACHELOR OF ARTS IN ENGLISH**

Submitted By

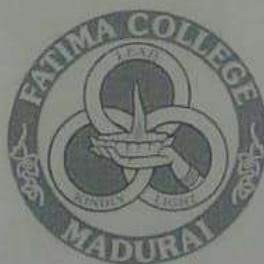
Ms. Alagu Meenakshi. M	(2021LB02)
Ms. Arockia Aswitha. S	(2021LB05)
Ms. Karthika.V	(2021LB23)
Ms. Mubeena. M	(2021LB27)
Ms.Varshini Mala. S. A	(2021LB51)
Ms. Anju. K	(2021LB54)
Ms. Divya Dharani. R	(2021LB55)
Ms.Varshini. K	(2021LB64)

Under the Guidance of

**MRS. K. ASHTA LAKSHMI**

Assistant Professor

Department of English (SF)



**Fatima College (Autonomous)**

**Re-Accredited with 'A++' Grade by NAAC (Cycle-IV)**

**Mary Land, Madurai-625 018, Tamil Nadu.**

**NOVEMBER 2022**



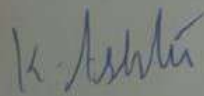


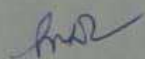
**FATIMA COLLEGE (AUTONOMOUS)**  
Re-Accredited with 'A++' by NAAC (Cycle - IV)  
Mary Land, Madurai

To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of Mrs. K. Ashta Lakshmi, Assistant Professor of the Department of English (SF) for the Academic Year 2022-2023.

S. No.	Reg. No.	Name of the Students	Title of the Project
1.	2021LB02	Alagu Meenakshi. M	Light pollution and the effects on plants
2.	2021LB05	Arockia Aswitha. S	Light pollution and the effects on plants
3.	2021LB23	Karthika. V	Light pollution and the effects on plants
4.	2021LB27	Mubeena. M	Light pollution and the effects on plants
5.	2021LB51	Varshini Mala. S. A	Light pollution and the effects on plants
6.	2021LB54	Anju. K	Light pollution and the effects on plants
7.	2021LB55	Divya Dharani. R	Light pollution and the effects on plants
8.	2021LB64	Varshini. K	Light pollution and the effects on plants

  
Project Guide

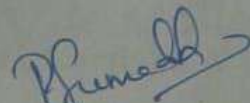
  
Coordinator, Environmental Studies

## CERTIFICATE

This is to certify that this project entitled, ENVIRONMENTAL EDUCATION - LIGHT POLLUTION AND EFFECTS ON PLANTS submitted by Ms. Mubeena. M, Ms. Anju. K, Ms. Varshini Mala. S. A, Ms. Karthika .V, Ms. Alagu Meenakshi .M, Ms. Arockia Aswitha. S, Ms. Divya Dharani .R, Ms. Varshini .K for the Degree of Bachelor of Arts is based on the results of studies carried out by them under my guidance and supervision in the Department of English (SF), Fatima College(Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Signature of the Course Teacher



Signature of the Head of the Department

Place: Madurai

Date: 18.11.2022

## DECLARATION

We hereby declare that this work has been originally carried out by us under the guidance and supervision of Ms. K. Ashta Lakshmi, M.A., M. Phil., NET., Assistant Professor, Department of English (SF), Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Place: Madurai

Date: 18.11.2022

M. Alagu Meenakshi.

Ms. Alagu Meenakshi. M (2021LB02)

S. Arockia Aswitha.

Ms. Arockia Aswitha. S (2021LB05)

V. Karthika.

Ms. Karthika. V (2021LB23)

M. Mubeena.

Ms. Mubeena. M (2021LB27)

Varshini Mala.

Ms. Varshini Mala. S. A (2021LB51)

Anju.

Ms. Anju. K (2021LB54)

R. Divya Dharani.

Ms. Divya Dharani. R (2021LB55)

K. Varshini.

Ms. Varshini. K (2021LB64)



# **ENVIRONMENTAL EDUCATION – MANAGEMENT OPTIONS FOR AIR POLLUTION**

A Project submitted to Fatima College (Autonomous), Madurai -18  
in partial fulfilment of the requirements of the award of the Degree of

## **BACHELOR OF ARTS IN ENGLISH**

Submitted By

Ms. Annapooranam. M	(2021LB03)
Ms. Bharathi. B	(2021LB06)
Ms. Mufriitha. N	(2021LB28)
Ms. Naganandhini. N	(2021LB31)
Ms. Naganithila. A	(2021LB32)
Ms. Samreen Anjum. E. S	(2021LB42)
Ms. Jeya Shree. A	(2021LB57)
Ms. Renoz Fathima. A	(2021LB69)

Under the Guidance of

**MRS. K. ASHTA LAKSHMI**

Assistant Professor

Department of English (SF)



**Fatima College (Autonomous)**

**Re-Accredited with 'A++' Grade by NAAC (Cycle-IV)**

**Mary Land, Madurai-625 018, Tamil Nadu.**

**NOVEMBER 2022**



**FATIMA COLLEGE (AUTONOMOUS)**  
Re-Accredited with 'A++' by NAAC (Cycle - IV)  
Mary Land, Madurai

To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of Mrs. K. Ashta Lakshmi, Assistant Professor of the Department of English (SF) for the Academic Year 2022-2023.

S.No.	Reg.No.	Name of the Students	Title of the Project
1.	2021LB03	Annapooranam. M	Management options for Air Pollution
2.	2021LB06	Bharathi. B	Management options for Air Pollution
3.	2021LB28	Mufritha. N	Management options for Air Pollution
4.	2021LB31	Naganandhini. N	Management options for Air Pollution
5.	2021LB32	Naganithila. A	Management options for Air Pollution
6.	2021LB42	Samreen Anjum. E. S	Management options for Air Pollution
7.	2021LB57	Jeya Shree. A	Management options for Air Pollution
8.	2021LB69	Reno Fathima. A	Management options for Air Pollution

*K. Ashta Lakshmi*

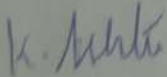
Project Guide

*Ashta*

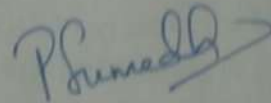
Coordinator, Environmental Studies

## CERTIFICATE

This is to certify that this project entitled, ENVIRONMENTAL EDUCATION-MANAGEMENT OPTIONS FOR AIR POLLUTION submitted by Ms. Annapooranam. M,Ms. Bharathi. B, Ms. Mufriha. N, Ms. Naganandhini. N, Ms. Naganithila. A, Ms. Samreen Anjum. E. S, Ms. Jeya Shree. A, Ms. Renoz Fathima. A for the Degree of Bachelor of Arts is based on the results of studies carried out by them under my guidance and supervision in the Department of English(SF), Fatima College(Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Signature of the Course Teacher



Signature of the Head of the Department

Place: Madurai

Date: 18.11.2022

## DECLARATION

We hereby declare that this work has been originally carried out by us under the guidance and supervision of Ms. K. Ashta Lakshmi, M.A., M. Phil., NET., Assistant Professor, Department of English (SF), Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Place: Madurai

Date: 18.11.2022

M. Annapooranay.

Ms. Annapooranam. M (2021LB03)

B. Bharathi

Ms. Bharathi. B (2021LB06)

N. Mufriitha

Ms. Mufriitha. N (2021LB28)

N. Naganandhini.

Ms. Naganandhini. N (2021LB31)

Naganithila. A

Ms. Naganithila. A (2021LB32)

E. S. Samreen Anjum

Ms. Samreen Anjum. E. S (2021LB42)

A. Jeyashree

Ms. Jeya Shree. A (2021LB57)

A. Renoz Fathima

Ms. Renoz Fathima. A (2021LB69)



# **ENVIRONMENTAL EDUCATION – OCEAN ACIDIFICATION**

A Project submitted to Fatima College (Autonomous), Madurai -18  
in partial fulfilment of the requirements of the award of the Degree of

## **BACHELOR OF ARTS IN ENGLISH**

Submitted By

Ms. Charumathy. R	(2021LB07)
Ms. Deva Dharshini. S	(2021LB09)
Ms. Hajira Rockkya Jalwa. A	(2021LB12)
Ms. Merlin Soffia. M	(2021LB26)
Ms. Sahana. G	(2021LB41)
Ms. Keerthika. S	(2021LB58)
Ms. Vaishnavi. A	(2021LB63)

Under the Guidance of

**MRS. K. ASHTA LAKSHMI**

Assistant Professor

Department of English (SF)



**Fatima College (Autonomous)**

**Re-Accredited with 'A++' Grade by NAAC (Cycle-IV)**

**Mary Land, Madurai-625 018, Tamil Nadu.**

**NOVEMBER 2022**



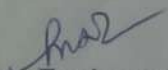
**FATIMA COLLEGE (AUTONOMOUS)**  
Re-Accredited with 'A++' by NAAC (Cycle - IV)  
Mary Land, Madurai

To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of **Mrs. K. Ashta Lakshmi**, Assistant Professor of the **Department of English (SF)** for the Academic Year 2022-2023.

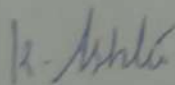
S.No.	Reg.No.	Name of the Students	Title of the Project
1.	2021LB07	Charumathy. R	Ocean Acidification
2.	2021LB09	DevaDharshini. S	Ocean Acidification
3.	2021LB12	HajiraRockkyajalwa. A	Ocean Acidification
4.	2021LB26	Merlinsoffia. M	Ocean Acidification
5.	2021LB41	Sahana. G	Ocean Acidification
6.	2021LB58	Keerthika. S	Ocean Acidification
7.	2021LB63	Vaishnavi. A	Ocean Acidification

  
Project Guide

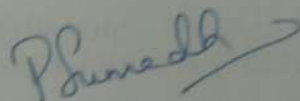
  
Coordinator, Environmental Studies

## CERTIFICATE

This is to certify that this project entitled, ENVIRONMENTAL EDUCATION - OCEAN ACIDIFICATION submitted by Ms. Charumathy. R, Ms. Deva Dharshini. S, Ms. Hajira Rockkya Jalwa. A, Ms. Merlin Soffia. M, Ms. Sahana. G, Ms. Keerthika. S, Ms. Vaishnavi. A for the degree of Bachelor of Arts is based on the result of studies carried out by them under my guidance and supervision in the Department of English (SF), Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Signature of the Course Teacher



Signature of the Head of the Department

Place: Madurai

Date: 18.11.2022

## DECLARATION

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Place: Madurai

Date: 18.11.2022

*R. Charumathy*

Ms. Charumathy. R (2021LB07)

*S. Deva Dharshini*

Ms. Deva Dharshini. S (2021LB09)

*M. Hajira Rockkya Jalwa*

Ms. Hajira Rockkya Jalwa. A (2021LB12)

*M. Merlin Soffia*

Ms. Merlin Soffia. M (2021LB26)

*G. Sahana*

Ms. Sahana. G (2021LB41)

*S. Keerthika*

Ms. Keerthika. S (2021LB58)

*A. Vaishnavi*

Ms. Vaishnavi. A (2021LB63)



# **ENVIRONMENTAL EDUCATION – LOSS OF BIODIVERSITY**

A Project submitted to Fatima College (Autonomous), Madurai -18  
in partial fulfilment of the requirements of the award of the Degree of

## **BACHELOR OF ARTS IN ENGLISH**

### **Submitted By**

Ms. Harini. R	(2021LB13)
Ms. Harshini. S	(2021LB15)
Ms. Jenefa Sharon. J.R	(2021LB18)
Ms. Kamatchi Gayathri. T	(2021LB22)
Ms. Keerthana. V	(2021LB24)
Ms. Janani. S	(2021LB56)
Ms. Mercymmal. M	(2021LB59)
Ms. Shamira. G	(2021LB67)
Ms. Sunmithra. M	(2021LB70)

Under the Guidance of

**MRS. K. ASHTA LAKSHMI**

Assistant Professor

Department of English (SF)



**Fatima College (Autonomous)**

**Re-Accredited with 'A++' Grade by NAAC (Cycle-IV)**

**Mary Land, Madurai-625 018, Tamil Nadu.**

**NOVEMBER 2022**



**FATIMA COLLEGE (AUTONOMOUS)**  
**Re-Accredited with 'A++' by NAAC (Cycle - IV)**  
**Mary Land, Madurai**

To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of **Mrs. K. Ashta Lakshmi**, Assistant Professor of the **Department of English (SF)** for the Academic Year 2022-2023.

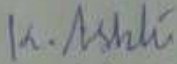
S. No.	Reg. No.	Name of the Students	Title of the Project
1.	(2021LB13)	Ms. Harini. R	Loss of Biodiversity
2.	(2021LB15)	Ms. Harshini. S	Loss of Biodiversity
3.	(2021LB18)	Ms. Jeneefa Sharon. J.R	Loss of Biodiversity
4.	(2021LB22)	Ms. Kamatchi Gayathri. T	Loss of Biodiversity
5.	(2021LB24)	Ms. Keerthana. V	Loss of Biodiversity
6.	(2021LB56)	Ms. Janani. S	Loss of Biodiversity
7.	(2021LB59)	Ms. Mercymmal. M	Loss of Biodiversity
8.	(2021LB67)	Ms. Shamira. G	Loss of Biodiversity
9.	(2021LB70)	Ms. Sunmithra. M	Loss of Biodiversity

**Project Guide**

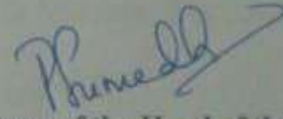
**Coordinator, Environmental Studies**

## CERTIFICATE

This is to certify that this project entitled, ENVIRONMENTAL EDUCATION - LOSS OF BIODIVERSITY submitted by Ms. Harini. R, Ms. Harshini. S, Ms. Jeneefa Sharon. J. R, Ms. Kamatchi Gayathri. T, Ms. Keerthana. V, Ms. Janani. S, Ms. Mercymmal. M, Ms. Shamira. G, Ms. Sunmithra. M for the Degree of Bachelor of Arts is based on the results of studies carried out by them under my guidance and supervision in the Department of English (SF), Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Signature of the Course Teacher



Signature of the Head of the Department

Place: Madurai

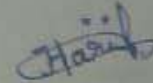
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## DECLARATION

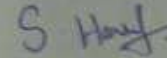
We hereby declare that this work has been originally carried out by us under the guidance and supervision of Ms. K. Ashta Lakshmi, M.A., M. Phil., NET., Assistant Professor, Department of English (SF), Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Place: Madurai

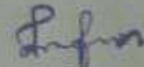
Date: 18.11.2022



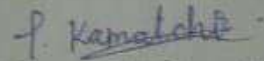
Ms. Harini. R (2021LB13)




Ms. Harshini. S (2021LB15)



Ms. Jenefa Sharon. J.R (2021LB18)



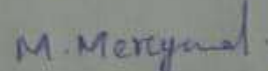
Ms. Kamachi Gayathri. T (2021LB22)



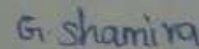
Ms. Keerthana. V (2021LB24)



Ms. Janani. S (2021LB56)



Ms. Mercymmal. M (2021LB59)



Ms. Shamira. G (2021LB56)



Ms. Sunmithra. M (2021LB70)



# **ENVIRONMENTAL EDUCATION – URBAN ECOLOGY**

A Project submitted to Fatima College (Autonomous), Madurai -18  
in partial fulfilment of the requirements of the award of the Degree of

## **BACHELOR OF ARTS IN ENGLISH**

**Submitted By**

MS. Harini Sri. R	(2021LB14)
MS. Jehoshimah. G	(2021LB17)
MS. Rebecca Premilla. R	(2021LB37)
MS. Roshni. S	(2021LB40)
MS. Shruthy. J	(2021LB45)
MS. Subhasri Krishnaa. M. G	(2021LB50)
MS. Priyadharshini. T	(2021LB60)
MS. Devisagupraka. R	(2021LB71)

Under the Guidance of

**MRS. K. ASHTA LAKSHMI**

Assistant Professor

Department of English (SF)



**Fatima College (Autonomous)**

Re-Accredited with 'A++' Grade by NAAC (Cycle-IV)

Mary Land, Madurai-625 018, Tamil Nadu.

**NOVEMBER 2022**



**FATIMA COLLEGE (AUTONOMOUS)**  
Re-Accredited with 'A++' by NAAC (Cycle - IV)  
Mary Land, Madurai

To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of **Mrs. K. Ashta Lakshmi**, Assistant Professor of the **Department of English (SF)** for the Academic Year 2022-2023.

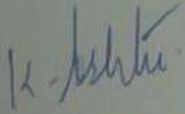
S. No.	Reg. No.	Name of the Students	Title of the Project
1.	2021LB14	Harini Sri. R	Urban Ecology
2.	2021LB17	Jehoshimah. G	Urban Ecology
3.	2021LB37	Rebecca Premilla. R	Urban Ecology
4.	2021LB40	Roshni. S	Urban Ecology
5.	2021LB45	Shruthy. J	Urban Ecology
6.	2021LB50	Subhasri Krishnaa. M. G	Urban Ecology
7.	2021LB60	Priya Dharshini. T	Urban Ecology
8.	2021LB71	Devisagupraka. R	Urban Ecology

*K. Ashta Lakshmi*  
Project Guide

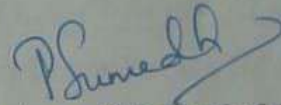
*Pradeep*  
Coordinator, Environmental Studies

## CERTIFICATE

This is to certify that this project entitled, ENVIRONMENTAL EDUCATION-URBAN ECOLOGY submitted by Ms. Harini Sri. R, Ms. Jehoshimah. G, Ms. Rebecca Premilla. R, Ms. Roshni. S, Ms. Shruthy. J, Ms. Subhasri Krishnaa. M. G, Ms. Priya Dharshini. T, Ms. Devisagupraka. R for the Degree of Bachelor of Arts is based on the results of Studies carried out by them under my guidance and supervision in the Department of English (SF), Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Signature of the Course Teacher



Signature of the Head of the Department

Place: Madurai

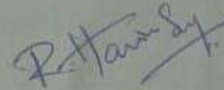
Date: 18-11-2022

## DECLARATION

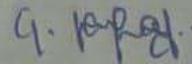
We hereby declare that this work has been originally carried out by us under the guidance and supervision of **Ms. K. Ashta Lakshmi**, M.A., M. Phil., NET., Assistant Professor, Department of English (SF), Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

**Place: Madurai**

**Date: 18.11.2022**



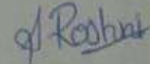
**Ms. Harini Sri. R (2021LB14)**



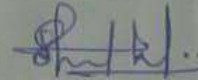
**Ms. Jehoshimah. G (2021LB17)**



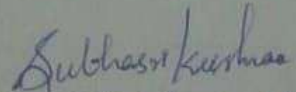
**Ms. Rebecca Premilla. R (2021LB37)**



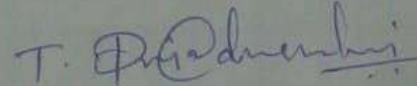
**Ms. Roshni. S (2021LB40)**



**Ms. Shruthy. J (2021LB45)**



**Ms. Subhasri Krishnaa. M. G (2021LB50)**



**Ms. Priya Dharshini. T (2021LB60)**



**Ms. Devisagupraka. R (2021LB71)**