

ENVIRONMENTAL STUDIES – ARBORICULTURE

Project submitted to Fatima college (Autonomous), Madurai-18

**In partial Fulfillment of the requirement of the Award of The Degree of
Bachelor of Information Technology.**

Submitted by

Ms.R.HEMASHREE(2022IT15)

Ms.S.JANANI(2022IT45)

Ms.J.JEMIMA JOSI(2022IT18)

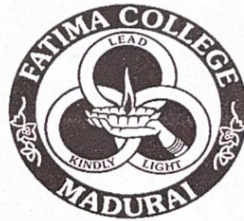
Ms.S.KARTHIGA DEVI(2022IT20)

Ms.S.RAJESHWARI(2022IT35)

Under the guidance of

Mrs. P. Alagumeena, MCA., M.Phil., PGDC

Department of Information Technology



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai 625 018

SEPTEMBER-2023

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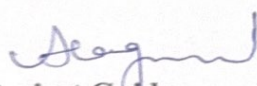
To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of Mrs.P.Alagumeena,MCA.,M.Phil.,PGDC., Department of the Information Technology, for the Academic year 2023-2024


| S.No | Reg.No | Name of the Student | Title of the project |
|---------|-----------|---------------------|-----------------------------|
| GROUP 1 | | | |
| 1. | 2022IT15 | R.HEMASREE | ARBORICULTURE |
| 2. | 2022IT18 | J. JEMIMAJOSI | |
| 3. | 2022IT20 | S. KARTHIGA DEVI | |
| 4. | 2022IT 35 | S. RAJESHWARI | |
| 5. | 2022IT45 | S. JANANI | |
| GROUP 2 | | | |
| 6. | 2022IT04 | G. ANGEL | SCIENTIFIC STUDY ON RAIN |
| 7. | 2022IT21 | R. LALIMA | |
| 8. | 2022IT26 | K. MAHALAKSHMI | |
| 9. | 2022IT30 | J. NANCY | |
| 10. | 2022IT38 | S. SHWETHA | |
| GROUP 3 | | | |
| 11. | 2022IT01 | P. ABINAYA | WASTE MANAGEMENT |
| 12. | 2022IT08 | M. BOOMADEVI | |
| 13. | 2022IT16 | K. INFANTA | |
| 14. | 2022IT32 | B. PRIYADHARSHINI | |
| 15. | 2022IT36 | S. SATHIESWARI | |

| GROUP 4 | | | |
|---------|----------|--------------------|-------------------------|
| 16. | 2022IT24 | R. P. LEELAVINOTHA | BIO DIVERSITY |
| 17. | 2022IT28 | M. MUTHUBHAVANI | |
| 18. | 2022IT34 | M. RAJAKUMARI | |
| 19. | 2022IT31 | S. PAVITHRA | |
| 20. | 2022IT06 | C. ARCHANA | |
| GROUP 5 | | | |
| 21. | 2022IT02 | Y. ALMAS BANU | RENEWABLE ENERGY |
| 22. | 2022IT03 | S. B. ANBU ASHA | |
| 23. | 2022IT14 | V. HEMAPRIYA | |
| 24. | 2022IT23 | S. LAVANYA | |
| 25. | 2022IT42 | V. P. SRINITHI | |
| GROUP 6 | | | |
| 26. | 2022IT05 | X. ANNILYFIN | SUSTAINABLE DEVELOPMENT |
| 27. | 2022IT17 | A. IRIS JESSICA | |
| 28. | 2022IT29 | S. NACHAMMAI | |
| 29. | 2022IT43 | S. THAARANI | |
| GROUP 7 | | | |
| 30. | 2022IT07 | M. BHAVANI | WILDLIFE CONSERVATION |
| 31. | 2022IT25 | R. MADHUMITHA | |
| 32. | 2022IT33 | S. PRIYADHARSHINI | |
| 33. | 2022IT37 | G. SHARMILI | |
| GROUP 8 | | | |
| 34. | 2022IT09 | A. DAYANA | ECOLOGICAL COMMUNITY |
| 35. | 2022IT12 | S. HARINI | |
| 36. | 2022IT19 | B. JENITA | |
| 37. | 2022IT22 | M. LAVANYA | |
| 38. | 2022IT40 | B. SRIYOGITHA | |

| GROUP 9 | | | |
|---------|----------|------------------------------|---------------------------------------|
| 39. | 2022IT10 | R. DHANUSRI | URBAN BIODIVERSITY CONSERVATION |
| 40. | 2022IT11 | T. DHARSHINI | |
| 41. | 2022IT13 | R. HEMADHARSHINI | |
| 42. | 2022IT27 | A. MARIYA ANTONIO NOYELLA | |
| 43. | 2022IT41 | M. SRIMATHI | |
| 44. | 2022IT44 | N. VARSHINI | |


Project Guide

Ms. P. Alagumeena


Co – ordinator,
Environmental Studies
(DR. S. R. Poongudi)

FATIMA COLLEGE (AUTONOMOUS)

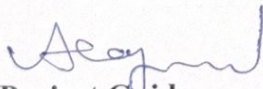
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Maryland, Madurai


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| S.No | Reg.No | Name of the students | Title of the project |
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| 1 | 2022IT15 | Ms.R.HEMASHREE | ARBORICULTURE |
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| 4 | 2022IT20 | Ms.S.KARTHIGA DEVI | |
| 5 | 2022IT35 | Ms.S.RAJESHWARI | |


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Ms.P.Alagumeena


Co-ordinator

Environmental Studies

(Dr.R.Poongodi)

CERTIFICATE

This is to certify that this project entitled "ENVIRONMENTAL STUDIES: A STUDY ON ARBORICULTURE" submitted by MS.R.HEMASHREE (2022IT15), MS.S.JANANI (2022IT45), MS.J.JEMIMA JOSI (2022IT18), MS.S.KARTHIGADEVI (2022IT20), MS.S.RAJESHWARI (2022IT25) for the degree of bachelor of science in based on the result of studies carried out by them under the guidance and supervision in the department of information technology, Fatima college(Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Mrs. T. Leena Prema Kumari

Head of the Department



Mrs. P. Alagumeena

Guide

DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of Mrs.P.Alagumeena, Mca, M,Phil., PGDC in the department of information technology, Fatima college(Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

R. Hema Shree
Ms.R.HEMASHREE(2022IT05)

S. Janani
Ms.S.JANANI(2022IT45)

J. Jemima Josi
Ms.J.JEMIMA JOSI(2022IT18)

Karthiga Devi
Ms.S.KARTHIGA DEVI(2022IT20)

S. Rajeshwari
Ms.S.RAJESHWARI(2022IT35)

Date: 30.09.2023

Place: Madurai

ENVIRONMENTAL STUDIES - WASTE MANAGEMENT.

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

**In Partial Fulfilment of the Requirement for the Award of Degree of
Bachelor of Science in Information Technology**

Submitted by

Ms. ABINAYA (2022IT01)

Ms. BOOMA DEVI (2022IT08)

Ms. INFANTA (2022IT16)

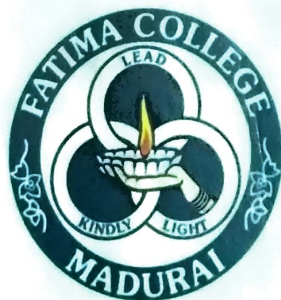
Ms. PRIYA DHARSHINI (2022IT32)

Ms. SATHIESWARI (2022IT36)

Under the guidance of

Mrs. P. Alagumeena , MCA., M.Phil., PGDC.

Department of Information Technology



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Maryland, Madurai – 625 018

SEPTEMBER - 2023

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|---------|----------|----------------------|--------------------------|
| Group 1 | | | |
| 1 | 2022IT15 | R. HEMA SHREE | AFFORESTATION |
| 2 | 2022IT18 | J. JEMIMA JOSI | |
| 3 | 2022IT20 | S. KARTHIGA DEVI | |
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| 3 | 2022IT16 | K. INFANTA | |
| 4 | 2022IT32 | B. PRIYA DHARSHINI | |
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| Group 4 | | | |
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Environmental Studies
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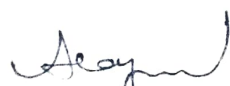
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| 2 | 2022IT08 | Ms. M. BOOMA DEVI | |
| 3 | 2022IT16 | Ms. K. INFANTA | |
| 4 | 2022IT32 | Ms. B. PRIYA DHARSHINI | |
| 5 | 2022IT36 | Ms. S. SATHIESWARI | |


Project guide

Mrs. P. Alagumeena


(Co-ordinator)

Environmental Studies

(Dr. S. R. Poongodi)

CERTIFICATE

This is to certify that this project is entitled "**ENVIRONMENTAL STUDIES: "WASTE MANAGEMENT"**" submitted by **Ms. P. ABINAYA (2022IT01), Ms. M. BOOMA DEVI (2022IT08), Ms. K. INFANTA (2022IT16), Ms. B. PRIYA DHARSHINI (2022IT32), Ms. S. SATHIESWARI (2022IT36)**, for the degree of bachelor of science is based on the result of studies carried out by them under the guidance and supervision in the Department of Information Technology, Fatima college (Autonomous) Madurai-18. This project has not been submitted elsewhere for any other degree.



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Head of the Department



Mrs. P. Alagumeena

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P. Abinaya

Ms. P. ABINAYA (2022IT01)

M. Boomadevi

Ms. M. BOOMA DEVI (2022IT08)

K. Infanta.

Ms. K. INFANTA (2022IT16)

B. Priya Dharshini

Ms. B. PRIYA DHARSHINI (2022IT32)

S. Sathieswari

Ms. S. SATHIESWARI (2022IT36)

Date: 30.09.2023

Station: Madurai.

ENVIRONMENTAL STUDIES – RENEWABLE ENERGY

Project submitted to Fatima college (Autonomous), Madurai-18

**In partial fulfillment of the requirements of the award of the
Degree of Bachelor of science in Information Technology**

Submitted by

Ms. ALMAS BANU. Y (2022IT02)

Ms. ANBU ASHA. S.B (2022IT03)

Ms. HEMA PRIYA. V (2022IT14)

Ms. LAVANYA. S(2022IT23)

Ms. SRINITHI. V.P (2022IT42)

Under the guidance of

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Department Of Information Technology



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Maryland, Madurai 625 018

SEPTEMBER – 2023

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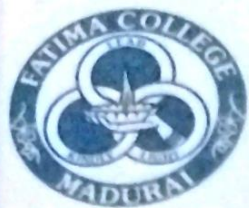


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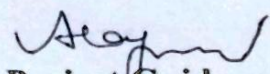
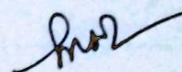
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**Project Guide****Ms. P. Alagumeena****Co – Ordinator,****Environmental Studies****(Dr. S. R. Poongodi)**

FATIMA COLLEGE (AUTONOMOUS)

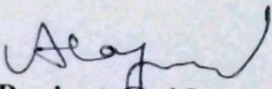
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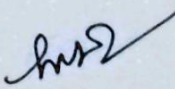
To Whomever It May Concern

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| S.NO | Reg No | Name of the Student | Title of the Project |
|------|----------|---------------------|----------------------|
| 1. | 2022IT02 | Ms.Y.ALMAS BANU | RENEWABLE ENERGY |
| 2. | 2022IT03 | Ms.S.B.ANBU ASHA | |
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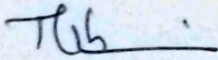

Co - ordinator

Environmental Studies

(Dr. S. R. Poongodi)

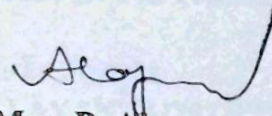
CERTIFICATE

This is to certify that this project entitled “ENVIRONMENTAL STUDIES : RENEWABLE ENERGY” Submitted by Ms. Y. ALMAS BANU (2022IT02), Ms. S. B. ANBU ASHA (2022IT03), Ms. V. HEMA PRIYA (2022IT14), Ms. S. LAVANYA (2022IT23) AND Ms. V. P. SRINITHI (2022IT42) for the degree of bachelor of science is based on the result of studies carried out by them under my guidance and supervision in the Department of Information Technology , Fatima college (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Mrs. T. Leena Prema Kumari

Head of the Department



Mrs. P. Alagumeena

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Y. Almas Banu

Ms.Y.ALMA BANU(2022IT02)

S. B. Anbu Asha

Ms.S.B.ANBU ASHA(2022IT03)

V. Hema Priya

Ms.V.HEMA PRIYA(2022IT14)

S. Lavanya

Ms.S.LAVANYA(2022IT23)

V. P. Srinithi

Ms.V.P.SRINITHI(2022IT42)

Date: 30.9.2023

Place: Madurai

ENVIRONMENTAL STUDIES – SCIENTIFIC STUDY ON RAIN

**Project submitted to Fatima college (Autonomous), Madurai – 18.
In partial Fulfilment of the requirement for the Award of Degree
of Bachelor of Science in Information Technology**

Submitted by

Ms. ANGEL. G (2022IT04)

Ms. LALIMA . R (2022IT21)

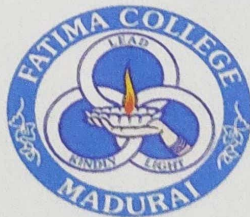
Ms. MAHALAKSHMI. K (2022IT26)

Ms. NANCY. J (2022IT30)

Ms. SHWETHA. S (2022IT38)

Under the guidance of

**Mrs. P. Alagumeena, MCA., M.Phil., PGDC
Department of Information Technology**



**FATIMA COLLEGE (AUTONOMOUS)
Re-Accredited with 'A++' Grade by NAAC (Cycle-4)
Maryland, Madurai 625 018
SEPTEMBER – 2023**

ENVIRONMENTAL STUDIES – SCIENTIFIC STUDY ON RAIN

**Project submitted to Fatima college (Autonomous), Madurai – 18.
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Submitted by

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Ms. LALIMA . R (2022IT21)

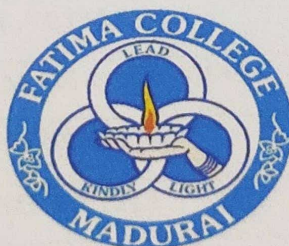
Ms. MAHALAKSHMI. K (2022IT26)

Ms. NANCY. J (2022IT30)

Ms. SHWETHA. S (2022IT38)

Under the guidance of

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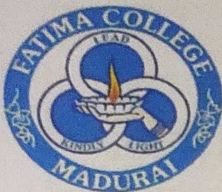


FATIMA COLLEGE (AUTONOMOUS)

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Maryland, Madurai 625 018

SEPTEMBER – 2023



FATIMA COLLEGE (AUTONOMOUS)

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Maryland, Madurai

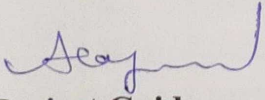
To Whomsoever It May Concern

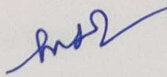
This is to certify that the following students have completed their student project work under the guidance of Ms. P. Alagumeena , MCA., M.Phil., PGDC., Department of Information Technology, for the Academic year 2023-2024.

| S.No | Reg.No | Name of the Student | Title of the project |
|---------|-----------|---------------------|-----------------------------|
| GROUP 1 | | | |
| 1. | 2022IT15 | R.HEMASREE | AFFORESTATION |
| 2. | 2022IT18 | J. JEMIMAJOSI | |
| 3. | 2022IT20 | S. KARHIGADEVI | |
| 4. | 2022IT 35 | S. RAJESHWARI | |
| 5. | 2022IT45 | S. JANANI | |
| GROUP 2 | | | |
| 6. | 2022IT04 | G. ANGEL | SCIENTIFIC STUDY ON RAIN |
| 7. | 2022IT21 | R. LALIMA | |
| 8. | 2022IT26 | K. MAHALAKSHMI | |
| 9. | 2022IT30 | J. NANCY | |
| 10. | 2022IT38 | S. SHWETHA | |
| GROUP 3 | | | |
| 11. | 2022IT01 | P. ABINAYA | WASTE MANAGEMENT |
| 12. | 2022IT08 | M. BOOMADEVI | |
| 13. | 2022IT16 | K. INFANTA | |
| 14. | 2022IT32 | B. PRIYADHARSHINI | |
| 15. | 2022IT36 | S. SATHIESWARI | |

| GROUP 4 | | | |
|---------|----------|--------------------|-------------------------|
| 16. | 2022IT24 | R. P. LEELAVINODHA | BIO DIVERSITY |
| 17. | 2022IT28 | M. MUTHUBHAVANI | |
| 18. | 2022IT34 | M. RAJAKUMARI | |
| 19. | 2022IT31 | S. PAVITHRA | |
| 20. | 2022IT06 | C. ARCHANA | |
| GROUP 5 | | | |
| 21. | 2022IT02 | Y. ALMAS BANU | RENEWABLE ENERGY |
| 22. | 2022IT03 | S. B. ANBU ASHA | |
| 23. | 2022IT14 | V. HEMAPRIYA | |
| 24. | 2022IT23 | S. LAVANYA | |
| 25. | 2022IT42 | V. P. SRINITHI | |
| GROUP 6 | | | |
| 26. | 2022IT05 | X. ANNILYFIN | SUSTAINABLE DEVELOPMENT |
| 27. | 2022IT17 | A. IRIS JESSICA | |
| 28. | 2022IT29 | S. NACHAMMAI | |
| 29. | 2022IT43 | S. THAARANI | |
| GROUP 7 | | | |
| 30. | 2022IT07 | M. BHAVANI | WILDLIFE CONSERVATION |
| 31. | 2022IT25 | R. MADHUMITHA | |
| 32. | 2022IT33 | S. PRIYADHARSHINI | |
| 33. | 2022IT37 | G. SHARMILI | |
| GROUP 8 | | | |
| 34. | 2022IT09 | A. DAYANA | ECOLOGICAL COMMUNITY |
| 35. | 2022IT12 | S. HARINI | |
| 36. | 2022IT19 | B. JENITA | |
| 37. | 2022IT22 | M. LAVANYA | |
| 38. | 2022IT40 | B. SRIYOKITHA | |

| GROUP 9 | | | |
|---------|----------|-----------------------------|--|
| 39. | 2022IT10 | R. DHANUSRI | URBAN BIODIVERSITY CONSERVATION |
| 40. | 2022IT11 | T. DHARSHINI | |
| 41. | 2022IT13 | R. HEMADHARSHINI | |
| 42. | 2022IT27 | A. MARIA ANTONIO NOYELLA | |
| 43. | 2022IT41 | M. SRIMATHI | |
| 44. | 2022IT44 | N. VARSHINI | |


Project Guide
Ms. P. Alagumeena


Co – ordinator,
Environmental Studies
(DR. S. R. Poongudi)

FATIMA COLLEGE (AUTONOMOUS)

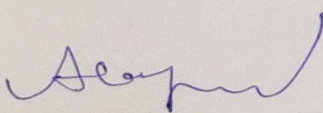
Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai

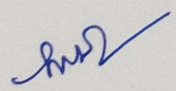
To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of Ms. P. Alagumeena , MCA., M.Phil., PGDC., Department of Information Technology, for the Academic year 2023-2024.

| S. No | Reg. No | Name of the Student | Title of the project |
|--------------|----------------|----------------------------|---|
| 1. | 2022IT04 | Ms. G. ANGEL | SCIENTIFIC STUDY ON RAIN |
| 2. | 2022IT21 | Ms. R. LALIMA | |
| 3. | 2022IT26 | Ms. K. MAHALAKSHMI | |
| 4. | 2022IT30 | Ms. J. NANCY | |
| 5. | 2022IT38 | Ms. S. SHWETHA | |


Project Guide

Ms. P. Alagumeena

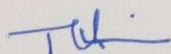

Co - ordinator

Environmental Studies

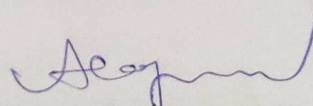
(Dr. S. R. Poongodi)

CERTIFICATE

This is to be certify that this project entitled” **ENVIRONMENTAL STUDIES : A STUDY ON ACID RAIN**” Submitted by **Ms .G. ANGEL (2022IT04), Ms. R. LALIMA (2022IT21), Ms. K. MAHALAKSHMI (2022IT26), MS. J. NANCY (2022IT30), MS. S. SHWETHA (2022IT38)** for the degree of bachelor of science in based on the result of studies carried out by them under the guidance and supervision in the Department of Information Technology , Fatima college (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Mrs. T. Leena Prema Kumari,
Head of the Department



Mrs. P. Alagumeena
Guide

DECLARATION

We do hereby declare that this work has been originally carried out by us under the Guidance and supervision of Mrs. P. Alagumeena, MCA., M.Phil., PGDC in the department of Information Technology , Fatima college (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

G. Angel

Ms. ANGEL. G (2022IT04)

Lalima R.

Ms. LALIMA. R (2022IT21)

K. Mahalakshmi

Ms. MAHALAKSHMI. K (2022IT26)

J. Nancy

Ms. NANCY. J (2022IT30)

S. Shwetha

Ms. SHWETHA. S (2022IT38)

Date: 30.09.2023

Place: Madurai

ENVIRONMENTAL STUDIES – SUSTAINABLE DEVELOPMENT

**Project submitted to Fatima college (Autonomous), Madurai – 18. In
partial Fulfilment of the requirement for the Award of Degree of
Bachelor of Science in Information Technology**

Submitted by

Ms. ANNI LYFIN. X (2022IT05)

Ms. IRIS JESSICA (2022IT17)

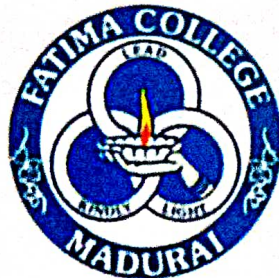
Ms. NACHAMMAIS (2022IT29)

Ms. THAAARANI.S(2022IT43)

Under the guidance of

Mrs. P. Alagumeena, MCA., M.Phil., PGDC

Department of Information Technology



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai 625 018

Tamil Nadu

SEPTEMBER - 2023

ENVIRONMENTAL STUDIES – SUSTAINABLE DEVELOPMENT

**Project submitted to Fatima college (Autonomous), Madurai – 18. In
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Ms. THAAARANIS(2022IT43)

Under the guidance of

Mrs. P. Alagumeena, MCA., M.Phil., PGDC

Department of Information Technology



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai 625 018

Tamil Nadu

SEPTEMBER - 2023



FATIMA COLLEGE (AUTONOMOUS)

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Maryland, Madurai

To Whomsoever It May Concern

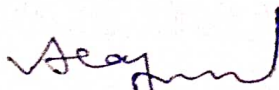
This is to certify that the following students have completed their student project work under the guidance of Ms. P. Alagumeena , MCA., M.Phil., PGDC., Department of Information Technology, for the Academic year 2023-2024.

2024.


| S.No | Reg.No | Name of the Student | Title of the project |
|---------|-----------|---------------------|-----------------------------|
| GROUP 1 | | | |
| 1. | 2022IT15 | R.HEMASREE | AFFORESTATION |
| 2. | 2022IT18 | J. JEMIMAJOSI | |
| 3. | 2022IT20 | S. KARHIGADEVI | |
| 4. | 2022IT 35 | S. RAJESHWARI | |
| 5. | 2022IT45 | S. JANANI | |
| GROUP 2 | | | |
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| 9. | 2022IT30 | J. NANCY | |
| 10. | 2022IT38 | S. SHWETHA | |
| GROUP 3 | | | |
| 11. | 2022IT01 | P. ABINAYA | WASTE MANAGEMENT |
| 12. | 2022IT08 | M. BOOMADEVI | |
| 13. | 2022IT16 | K. INFANTA | |
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| 15. | 2022IT36 | S. SATHIESWARI | |

| GROUP 4 | | | |
|---------|----------|--------------------|-------------------------|
| 16. | 2022IT24 | R. P. LEELAVINODHA | BIO DIVERSITY |
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| 19. | 2022IT31 | S. PAVITHRA | |
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| 34. | 2022IT09 | A. DAYANA | |
| 35. | 2022IT12 | S. HARINI | |

| | | | |
|---------|----------|-----------------------------|---------------------------------------|
| 36. | 2022IT19 | B. JENITA | BIOGEOCHEMICAL CYCLE |
| 37. | 2022IT22 | M. LAVANYA | |
| 38. | 2022IT40 | B. SRIYOKITHA | |
| GROUP 9 | | | |
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| 43. | 2022IT41 | M. SRIMATHI | |
| 44. | 2022IT44 | N. VARSHINI | |


Project Guide

Ms. P. Alagumeena


Co – ordinator,
Environmental Studies
(DR. S. R. Poongudi)

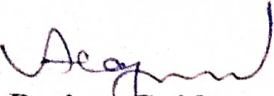
FATIMA COLLEGE (AUTONOMOUS)
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Mary Land, MADURAI-625018

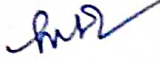
To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of Mrs. P. Alagumeena, MCA., M.Phil., PGDC, Assistant Professor of Information Technology, the Academic Year 2023-2024

| S.no | Reg.no | Name of the student | Tittle of the project |
|------|----------|---------------------|----------------------------|
| 1. | 2022IT05 | X. ANNI LYFIN | SUSTAINABLE DEVELOPMENT |
| 2. | 2022IT17 | A. IRIS JESSICA | |
| 3. | 2022IT29 | S. NACHAMMAI | |
| 4. | 2022IT43 | S. THAARANI | |


Project Guide

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Co-Ordinator,

Environmetal studies

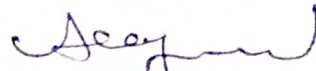
(Dr. S. R. Poongodi)

CERTIFICATE

This is to be certify that this project entitled” ENVIRONMENTAL STUDIES: SUSTAINABLE DEVELOPMENT” Submitted by Ms. X.ANNI LYFIN(2022IT05),Ms.A.IRISJESSICA(2022IT17),Ms.S.NACHAMMAI(2022IT29), Ms.S.THAARANI(2022IT43) for the degree of bachelor of science in based on the result of studies carried out by them under the guidance and supervision in the Department of Information Technology, Fatima college (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



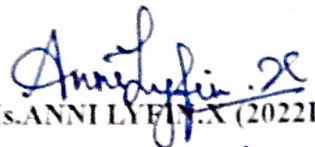
Mrs.T.Leena Prema Kumari
Head of the Department

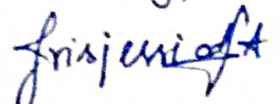


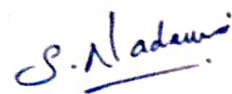
Mrs. P. Alagumeena
Guide

DECLARATION

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Ms.ANNI LYFEX (2022IT05)


Ms.IRIS JESSICA.A (2022IT17)


Ms.NACHAMMAIS (2022IT29)


Ms.THAARANIS (2022IT49)

Date: 30.09.2023

Place: Madurai

ENVIRONMENTAL STUDIES– BIODIVERSITY

Project submitted to Fatima college (Autonomous), Madurai-18

**In partial fulfilment of the requirements of the award of the
Degree of Bachelor of science in Information Technology**

Submitted By

C.Archana(2022IT06)

R.P. Leelavinodha(2022IT24)

M. Muthu Bhavani (2022IT28)

S. Pavithra(2022IT31)

M. Rajakumari(2022IT34)

Under the guidance of

Mrs. P.Alagumeena,MCA.,M.Phil.,PGCD

Department of Information Technology



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, MADURAI-625018

September -2023



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' Grade by NAAC (Cycle- 4)

Maryland, Madurai

To Whomsoever It May Concern

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|---------|-----------|---------------------|--------------------------|
| GROUP 1 | | | |
| 1. | 2022IT15 | R.HEMASREE | AFFORESTATION |
| 2. | 2022IT18 | J.JEMIMAJOSI | |
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| GROUP 2 | | | |
| 6. | 2022IT04 | G.ANGEL | SCIENTIFIC STUDY OF RAIN |
| 7. | 2022IT21 | R. LALIMA | |
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GROUP4

| | | | |
|-----|----------|-------------------|---------------------|
| 16. | 2022IT24 | R.P. LEELAVINODHA | BIODIVERSITY |
| 17. | 2022IT28 | M.MUTHUBHAVANI | |
| 18. | 2022IT34 | M.RAJAKUMARI | |
| 19. | 2022IT31 | S. PAVITHRA | |
| 20. | 2022IT06 | C.ARCHANA | |

GROUP5

| | | | |
|-----|----------|---------------|-----------------------------|
| 21. | 2022IT02 | Y.ALMAAS BANU | RENEWABLEE NERGY |
| 22. | 2022IT03 | S. B.ANBUASHA | |
| 23. | 2022IT14 | V.HEMA PRIYA | |
| 24. | 2022IT23 | S. LAVANYA | |
| 25. | 2022IT42 | V.P.SRINITHI | |

GROUP6

| | | | |
|-----|----------|----------------|------------------------------------|
| 26. | 2022IT05 | X.ANNILYFIN | SUSTAINABLE DEVELOPMENT |
| 27. | 2022IT17 | A.IRIS JESSICA | |
| 28. | 2022IT29 | S.NACHAMMAI | |
| 29. | 2022IT43 | S.THAARANI | |

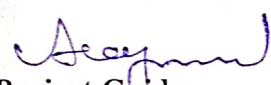
GROUP7

| | | | |
|-----|----------|------------------|----------------------------------|
| 30. | 2022IT07 | M.BHAVANI | WILDLIFE CONSERVATION |
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GROUP8

| | | | |
|-----|----------|--------------|---------------------------------|
| 34. | 2022IT09 | A. DAYANA | BIOGEOCHEMICAL CYCLE |
| 35. | 2022IT12 | S.HARINI | |
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| GROUP9 | | | |
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| 39. | 2022IT10 | R.DHANUSRI | <p>URBAN BIODIVERSITY CONSERVATION</p> |
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Project Guide

Ms.P. Alagumeena


Co-ordinator,

Environmental Studies

(DR.S.R.Poongudi)

FATIMA COLLEGE (AUTONOMOUS)
Re-Accredited with 'A++' Grade by NAAC (Cycle-4)
Maryland, MADURAI-625018


To Whomever It May Concern

This is certify that the following students have completed their student project work under the guidance of Mrs. P. Alagumeena, MCA., M.Phil., PGDC., Department of Information Technology, the Academic year 2023-2024.

| S.NO | Reg No | Name of the Student | Title of the Project |
|------|----------|---------------------|----------------------|
| 1. | 2022IT06 | Archana. C | BIODIVERSITY |
| 2. | 2022IT24 | Leelavinotha.R.P | |
| 3. | 2022IT28 | MuthuBhavani.M | |
| 4 | 2022IT31 | Pavithra. S | |
| 5 | 2022IT34 | Rajakumari.M | |


Project Guide

Ms.P. Alagumeena


Co-ordinator,

Environmental Studies
(DR.S.R.Poongudi)

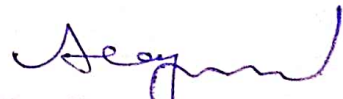
CERTIFICATE

This is to certify that this project entitled “ENVIRONMENTAL STUDIES – BIODIVERSITY” Submitted by C.ARCHANA(2022IT06), R.P.LEELAVINODHA (2022IT24), M.MUTHU BHAVANI (2022IT28), S.PAVITHRA(2022IT31), M.RAJAKUMARI (2022IT34), For degree of Bachelor of science is based on the results of studies carried out by the under my guidance and supervision in the Under guidance of Department of Information Technology Fatima College (Autonomous) Madurai -18. This project has not been submitted elsewhere for any degree.



Mrs.T.LeenaPremaKumari,

Head of the Department



Mrs. P. Alagumeena

Guide

DECLARATION

We do hereby declare that this work has been originally carried out by us under the Guidance and supervision of Mrs.P.Alagumeena, MCA., M.Phil., PGDC in the Department of Information Technology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

C. Archana

Ms.C. Archana(2022IT06)

R.P. Leelavinodha

Ms.R.PLeelavinodha(2022IT24)

M. MuthuBhavani

Ms.M.MuthuBhavani(2022IT28)

S. Pavithra

Ms.S.Pavithra(2022IT31)

M. Rajakumari

Ms.M.Rajakumari(2022IT34)

Date:

Place: Madurai

ENVIRONMENTAL STUDIES – WILDLIFE CONSERVATION

**Project submitted to Fatima college (Autonomous), Madurai – 18.
In partial Fulfilment of the requirement for the Award of Degree
of Bachelor of Science in Information Technology**

Submitted by

Ms. BHAVANI. M (2022IT07)

Ms. MADHUMITHA. R (2022IT25)

Ms. PRIYADHARSHINI. S (2022IT33)

Ms. SHARMILI. G (2022IT37)

Under the guidance of

**Mrs. P. Alagumeena, MCA., M.Phil., PGDC
Department of Information Technology**



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai 625 018

SEPTEMBER – 2023

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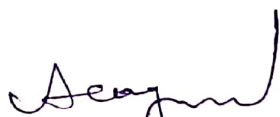
To Whomsoever It May Concern


This is to certify that the following students have completed their student project work under the guidance of Ms. P. Alagumeena , MCA., M.Phil., PGDC., Department of Information Technology, for the Academic year 2023-2024.

| S.No | Reg.No | Name of the Student | Title of the project |
|---------|-----------|---------------------|-----------------------------|
| GROUP 1 | | | |
| 1. | 2022IT15 | R. HEMASREE | ARBORICULTURE |
| 2. | 2022IT18 | J. JEMIMAJOSI | |
| 3. | 2022IT20 | S. KARHIGADEVI | |
| 4. | 2022IT 35 | S. RAJESHWARI | |
| 5. | 2022IT45 | S. JANANI | |
| GROUP 2 | | | |
| 6. | 2022IT04 | G. ANGEL | SCIENTIFIC STUDY ON RAIN |
| 7. | 2022IT21 | R. LALIMA | |
| 8. | 2022IT26 | K. MAHALAKSHMI | |
| 9. | 2022IT30 | J. NANCY | |
| 10. | 2022IT38 | S. SHWETHA | |
| GROUP 3 | | | |
| 11. | 2022IT01 | P. ABINAYA | WASTE MANAGEMENT |
| 12. | 2022IT08 | M. BOOMADEVI | |
| 13. | 2022IT16 | K. INFANTA | |
| 14. | 2022IT32 | B. PRIYADHARSHINI | |
| 15. | 2022IT36 | S. SATHIESWARI | |

| GROUP 4 | | | |
|---------|----------|--------------------|-------------------------|
| 16. | 2022IT24 | R. P. LEELAVINODHA | BIO DIVERSITY |
| 17. | 2022IT28 | M. MUTHUBHAVANI | |
| 18. | 2022IT34 | M. RAJAKUMARI | |
| 19. | 2022IT31 | S. PAVITHRA | |
| 20. | 2022IT06 | C. ARCHANA | |
| GROUP 5 | | | |
| 21. | 2022IT02 | Y. ALMAS BANU | RENEWABLE ENERGY |
| 22. | 2022IT03 | S. B. ANBU ASHA | |
| 23. | 2022IT14 | V. HEMAPRIYA | |
| 24. | 2022IT23 | S. LAVANYA | |
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| 26. | 2022IT05 | X. ANNILYFIN | SUSTAINABLE DEVELOPMENT |
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| 33. | 2022IT37 | G. SHARMILI | |
| GROUP 8 | | | |
| 34. | 2022IT09 | A. DAYANA | ECOLOGICAL COMMUNITY |
| 35. | 2022IT12 | S. HARINI | |
| 36. | 2022IT19 | B. JENITA | |
| 37. | 2022IT22 | M. LAVANYA | |
| 38. | 2022IT40 | B. SRIYOKITHA | |

| GROUP 9 | | | |
|---------|----------|-----------------------------|--|
| 39. | 2022IT10 | R. DHANUSRI | URBAN BIODIVERSITY CONSERVATION |
| 40. | 2022IT11 | T. DHARSHINI | |
| 41. | 2022IT13 | R. HEMADHARSHINI | |
| 42. | 2022IT27 | A. MARIA ANTONIO NOYELLA | |
| 43. | 2022IT41 | M. SRIMATHI | |
| 44. | 2022IT44 | N. VARSHINI | |


Project Guide
Ms. P. Alagumeena


Co – ordinator,
Environmental Studies
(DR. S. R. Poongudi)

FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai


To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of Ms. P. Alagumeena , MCA., M.Phil., PGDC., Department of Information Technology, for the Academic year 2023-2024.

| S.NO | REG.NO | Name of the Students | Title of the Project |
|-------------|---------------|-----------------------------|----------------------------------|
| 1 | 2022IT07 | Ms. M. BHAVANI | WILDLIFE CONSERVATION |
| 2 | 2022IT25 | Ms. R. MADHUMITHA | |
| 3 | 2022IT33 | Ms. S. PRIYADHARSHINI | |
| 4 | 2022IT37 | Ms. G. SHARMILI | |


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Co - ordinator

Environmental Studies

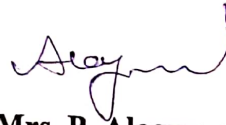
(Dr. S. R. Poongodi)

CERTIFICATE

This is to be certify that this project entitled " ENVIRONMENTAL STUDIES : WILDLIFE CONSERVATION" Submitted by Ms. M. BHAVANI (2022IT07), Ms. R. MADHUMITHA (2022IT25), Ms. S. PRIYADHARSHINI (2022IT33), MS. G. SHARMILI (2022IT37) for the degree of bachelor of science in based on the result of studies carried out by them under the guidance and supervision in the Department of Information Technology, Fatima college (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Mrs. T. Leena Prema Kumari,
Head of the Department



Mrs. P. Alagumeena
Guide

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Bhavani.M

Ms. BHAVANI. M (2022IT07)

R. Madhumitha

Ms. MADHUMITHA. R (2022IT21)

S. Priyadharshini

Ms. PRIYADHARSHINI. S (2022IT33)

G Sharmili

Ms. SHARMILI. G (2022IT37)

Date: 30.09.2023

Place: Madurai

ENVIRONMENTAL STUDIES –ECOLOGICAL COMMUNITY

**Project submitted to Fatima college (Autonomous), Madurai – 18.
In partial Fulfilment of the requirement for the Award of Degree of
Bachelor of Science in Information Technology**

Submitted by

Ms. DAYANA . A (2022IT09)

Ms. HARINI . S (2022IT12)

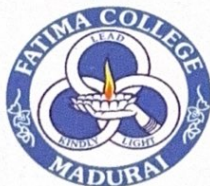
Ms. JENITA . B (2022IT19)

Ms. LAVANYA . M (2022IT22)

Ms. SRI YOKITHA . B (2022IT40)

Under the guidance of

**Mrs. P. Alagumeena, MCA., M.Phil., PGDC
Department of Information Technology**



FATIMA COLLEGE (AUTONOMOUS)

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Maryland, Madurai 625 018

SEPTEMBER – 2023

ENVIRONMENTAL STUDIES –ECOLOGICAL COMMUNITY

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Submitted by

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Ms. HARINI . S (2022IT12)

Ms. JENITA . B (2022IT19)

Ms. LAVANYA . M (2022IT22)

Ms. SRI YOKITHA . B (2022IT40)

Under the guidance of

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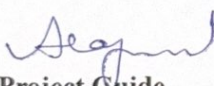
To Whomsoever It May Concern


This is to certify that the following students have completed their student project work under the guidance of Ms. P. Alagumeena , MCA., M.Phil., PGDC., Department of Information Technology, for the Academic year 2023-2024.

| 2023-2024 | | | |
|-----------|-----------|---------------------|-----------------------------|
| S.No | Reg.No | Name of the Student | Title of the project |
| GROUP 1 | | | |
| 1. | 2022IT15 | R.HEMA SREE | ARBORICULTURE |
| 2. | 2022IT18 | J. JEMIMA JOSI | |
| 3. | 2022IT20 | S. KARHIGA DEVI | |
| 4. | 2022IT 35 | S. RAJESHWARI | |
| 5. | 2022IT45 | S. JANANI | |
| GROUP 2 | | | |
| 6. | 2022IT04 | G. ANGEL | SCIENTIFIC STUDY ON RAIN |
| 7. | 2022IT21 | R. LALIMA | |
| 8. | 2022IT26 | K. MAHALAKSHMI | |
| 9. | 2022IT30 | J. NANCY | |
| 10. | 2022IT38 | S. SHWETHA | |
| GROUP 3 | | | |
| 11. | 2022IT01 | P. ABINAYA | WASTE MANAGEMENT |
| 12. | 2022IT08 | M. BOOMADEVI | |
| 13. | 2022IT16 | K. INFANTA | |
| 14. | 2022IT32 | B. PRIYADHARSHINI | |
| 15. | 2022IT36 | S. SATHIESWARI | |

| GROUP 4 | | | |
|---------|----------|--------------------|-------------------------|
| 16. | 2022IT24 | R. P. LEELAVINODHA | BIO DIVERSITY |
| 17. | 2022IT28 | M. MUTHUBHAVANI | |
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| GROUP 5 | | | |
| 21. | 2022IT02 | Y. ALMAS BANU | RENEWABLE ENERGY |
| 22. | 2022IT03 | S. B. ANBU ASHA | |
| 23. | 2022IT14 | V. HEMAPRIYA | |
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| 37. | 2022IT22 | M. LAVANYA | |

| | | | |
|---------|----------|-----------------------------|---------------------------------------|
| 38. | 2022IT40 | B. SRI YOKITHA | |
| GROUP 9 | | | |
| 39. | 2022IT10 | R. DHANUSRI | URBAN BIODIVERSITY CONSERVATION |
| 40. | 2022IT11 | T. DHARSHINI | |
| 41. | 2022IT13 | R. HEMADHARSHINI | |
| 42. | 2022IT27 | A. MARIA ANTONIO NOYELLA | |
| 43. | 2022IT41 | M. SRIMATHI | |
| 44. | 2022IT44 | N. VARSHINI | |


Project Guide
Ms. P. Alagumeena


Co – ordinator,
Environmental Studies
(DR. S. R. Poongudi)

FATIMA COLLEGE (AUTONOMOUS)

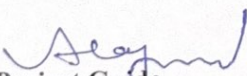
Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai


To Whomsoever It May Concern

This is to certify that the following students have completed their student project work under the guidance of Ms. P. Alagumeena , MCA., M.Phil., PGDC., Department of Information Technology, for the Academic year 2023-2024.

| S. No | Reg. No | Name of the Student | Title of the project |
|-------|----------|---------------------|---------------------------------|
| 1. | 2022IT09 | Ms. A. DAYANA | ECOLOGICAL COMMUNITY |
| 2. | 2022IT12 | Ms. S. HARINI | |
| 3. | 2022IT19 | Ms. B. JENITA | |
| 4. | 2022IT22 | Ms. M. LAVANYA | |
| 5. | 2022IT40 | Ms. B. SRI YOKITHA | |


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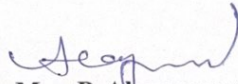
(Dr. S. R. Poongodi)

CERTIFICATE

This is to be certify that this project entitled" **ENVIRONMENTAL STUDIES :ECOLOGICAL COMMUNITY** "Submitted by **Ms .A. DAYANA (2022IT09), Ms. S. HARINI (2022IT12), Ms. B. JENITA (2022IT26), MS. M. LAVANYA (2022IT22), MS. B. SRI YOKITHA (2022IT40)** for the degree of bachelor of science in based on the result of studies carried out by them under the guidance and supervision in the Department of Information Technology , Fatima college (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.



Mrs. T. Leena Prema Kumari,
Head of the Department



Mrs. P. Alagumeena
Guide

DECLARATION

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A. Dayana

Ms. DAYANA. A (2022IT09)

S. Harni

Ms. HARNI. S (2022IT12)

B. Jenita

Ms. JENITA. B (2022IT19)

M. Lavanya

Ms. LAVANYA. M (2022IT22)

B. Sriyokitha

Ms. SRI YOKITHA. B (2022IT40)

Date: 30.09.2023

Place: Madurai

ENVIRONMENTAL STUDIES – URBAN BIODIVERSITY CONSERVATION

**Project submitted to Fatima college (Autonomous), Madurai – 18.
In partial Fulfilment of the requirement for the Award of Degree
of Bachelor of Science in Information Technology**

Submitted by

Ms. DHANUSRI.R (2022IT10)

Ms. DHARSHINI.T (2022IT11)

Ms. HEMA DHARSHINI.R (2022IT13)

Ms. MARIA ANTONIO NOYELLA.A (2022IT27)

Ms. SRIMATHI.M (2022IT41)

Ms. VARSHINI.N (2022IT44)

Under the guidance of

**Mrs. P. Alagumeena, MCA., M.Phil., PGDC
Department of Information Technology**



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai 625 018

SEPTEMBER – 2023



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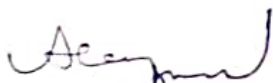
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| 44. | 2022IT44 | N. VARSHINI | |


Project Guide
Ms. P. Alagumeena


Co – ordinator,
Environmental Studies
(DR. S. R. Poongudi)

FATIMA COLLEGE (AUTONOMOUS)


Re-Accredited with 'A++' Grade by NAAC (Cycle-4)

Maryland, Madurai

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| S. No | Reg. No | Name of the Student | Title of the project |
|-------|----------|---------------------------------|---------------------------------------|
| 1. | 2022IT10 | Ms. R. DHANUSRI | URBAN BIODIVERSITY CONSERVATION |
| 2. | 2022IT11 | Ms. T. DIHARSHINI | |
| 3. | 2022IT13 | Ms. R. HEMADHARSHINI | |
| 4. | 2022IT27 | Ms. A. MARIA ANTONIO NOYELLA | |
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Project Guide

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Environmental Studies

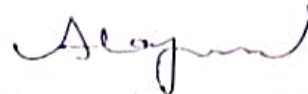
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CERTIFICATE

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Mrs. T. Leena Prema Kumari,
Head of the Department



Mrs. P. Alagumeena
Guide

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R. Dhanusri

Ms. DHANUSRI.R (2022IT10)

T. Dharshini

Ms. DHARSHINI.T (2022IT11)

R. Hema Dharshini

Ms. HEMA DHARSHINI.R (2022IT13)

A-Maria Antonio Noyella

Ms. MARIAANTONIO NOYELLA.A (2022IT27)

M. Srimalathi

Ms. SRIMATHI.M (2022IT41)

N. Varshini

Ms. VARSHINI.N (2022IT44)

Date:

Place: Madurai