



FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

UG PROJECTS

Ahashine A - 2019P01, Jeno S - 2019P14,

Sherlin Milani Selcia J - 2019P34, Thisha T S - 2019P41

WOMEN SAFETY BAND

A dissertation submitted in partial fulfillment of the requirement for
the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

by

1.Ahashine. A (2019P01)

2.Jeno. S (2019P14)

3.Sherlin Milani Selcia. J (2019P34)

4.Thisha. T. S (2019P41)

Under the Guidance of
Ms.J.R. Sofia,

Assistant Professor,

Research Centre of Physics,

Fatima College (Autonomous), Madurai.



FATIMA COLLEGE (AUTONOMOUS), MADURAI
(Affiliated to MADURAI KAMARAJ UNIVERSITY)
(RE-ACCREDITED WITH 'A++' GRADE BY NAAC)
(74th Rank in India Ranking 2020 (NIRF) by MHRD)
Mary Land, MADURAI -625 018

June,2022



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Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work **'WOMEN SAFETY BAND'** done by A. Ahashine (2019P01), S. Jeno (2019P14), J. Sherlin Milani Selcia (2019P34), T.S. Thisha (2019P41) under the guidance of Ms.J.R. Sofia, Assistant professor, Research centre of Physics has been submitted for external Viva-voice on 6.6.2022 at Fatima college (Autonomous), Madurai.


External Examiner


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Head of the Department 8/6/22



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Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We hereby declare that the dissertation titled "**WOMEN SAFETY BAND**", submitted to Fatima College (Autonomous), Madurai -625018 to the award of degree of **Bachelor of Science in Physics** is a record of original project work carried out under the supervision of **Ms.J.R. Sofia, Assistant Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai** and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution.

A. Ahashine

Ahashine A

(Reg. No: 2019P01)

Jeno S

Jeno S

(Reg No:2019P14)

J. Sherlin Milani Selcia J

Sherlin Milani Selcia J

(Reg No: 2019P34)

Thisha

Thisha T.S

(Reg No: 2019P41)

PLACE: MADURAI

DATE: 06/06/2022



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Mary Land, Madurai - 625018, Tamil Nadu

Aishwarya S - 2019P02, Divya N - 2019P09, Priyadharshini M - 2019P25,
Rosini C - 2019P30, Saleith Evanjaline S - 2019P32

AUTOMATED BODY TEMPERATURE DETECTOR

A dissertation submitted in partial fulfillment of the requirement
for the award of the degree of

BACHELOR OF SCIENCE IN PHYSICS

by

1. AISHWARYA S (2019P02)
2. DIVYA N (2019P09)
3. PRIYADHARSHINI M (2019P25)
4. ROSINI C (2019P30)
5. SALEITH EVANGELINE S (2019P32)

Under the Guidance of

DR. ANCEMMA JOSEPH

Assistant Professor,

Research Centre of physics,

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(Affiliated to MADURAI KAMARAJ UNIVERSITY)
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(74th Rank in India Ranking 2020 (NIRF) by MHRD)
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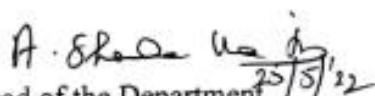
Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work 'AUTOMATED_BODY TEMPERATURE DETECTOR' done by AISHWARYA S (2019P02), DIVYA N (2019P09), PRIYADHARSHINI M (2019P25), ROSINI C (2019P30), SALEITH EVANGELINE S (2019P32) under the guidance of Dr. ANCEMMA JOSEPH, Assistant Professor, Research Centre of Physics has been submitted for external viva-voce on 25.05.2022 at Fatima College (Autonomous), Madurai.


External Examiner


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Head of the Department 25/5/22



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Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We hereby declare that the dissertation titled "**AUTOMATED BODY TEMPERATURE DETECTOR**", submitted to Fatima College (Autonomous), Madurai-625018 for the award of degree of **Bachelor of Science in Physics** is a record of original project work carried out under the supervision of **Dr. ANCEMMA JOSEPH Assistant Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai** and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution.


AISHWARYA S
(Reg. No. 2019P02)


DIVYA N
(Reg. No. 2019P09)


PRIYADHARSHINI M
(Reg. No. 2019P25)


ROSINI C
(Reg. No. 2019P30)


SALEITH EVANGELINE S
(Reg. No. 2019P32)

Place : Madurai

Date : 25.05.2022



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Mary Land, Madurai - 625018, Tamil Nadu

Annie Varsha Sharon T - 2019P03, Jeevitha R - 2019P13,
Rosaria Livrola Rayan J - 2019P29, Sri Harini P G - 2019P45

CAMERA SURVEILLANCE ROBOT

A dissertation submitted in partial fulfillment of the
Requirement of the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

By

- 1.T. ANNIE VARSHA SHARON-2019P03
- 2.R. JEEVITHA -2019P13
- 3.J. ROSARIA LIVROLA RAYAN-2019P29
- 4.P.G.SRI HARINI-2019P45

Under the guidance of

Dr. I. Jeya Sheela

Assistant professor,

Research Centre of Physics,

Fatima College (Autonomous), Madurai.



FATIMA COLLEGE (AUTONOMOUS), MADURAI
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Mary Land, Madurai – 625018.
MAY 2022



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Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work "CAMERA SURVEILLANCE ROBOT" done by T. ANNIE VARSHA SHARON-2019P03, R. JEEVITHA - 2019P13, J. ROSARIA LIVROLA RAYAN-2019P29, P.G. SRI HARINI- 2019P45 Under the guidance of Dr. I. Jeya Sheela, ASSISTANT Professor, Research Centre of Physics has been submitted for external viva-voce on 02.06.2022 at Fatima College (Autonomous), Madurai.


External Examiner


Guide


Head of the Department



FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We hereby declare that the dissertation titled
"CAMERA SURVEILLANCE ROBOT", submitted to Fatima College
(Autonomous), Madurai-625018 for the award of degree of **BACHELOR OF
SCIENCE IN PHYSICS** is record of original project work carried out under the
supervision of Dr. I. JEYA SHEELA, ~~Asst~~ **STANT** Professor, Research Centre of
Physics, Fatima College (Autonomous), Madurai and has not submitted
for any degree or diploma in Madurai Kamaraj University or any Institution.

T. ANNIE VARSHA SHARON

(Reg. No. 2019P03)

R. JEEVITHA

(Reg. No. 2019P13)

J. ROSARIA LIVROLA RAYAN

(Reg. No. 2019P29)

P.G. SRI HARINI

(Reg. No. 2019P45)

place: Madurai

Date: 02.06.2022



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Mary Land, Madurai - 625018, Tamil Nadu

Anu C - 2019P04, Rebekal S - 2019P26,
Rexy B S - 2019P27, Sabarnikka C - 2019P31

GAS LEAKAGE DETECTOR

A dissertation submitted in partial fulfillment of the
requirement for the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

by

1. Anu C (2019P04)
2. Rebekal S (2019P26)
3. Rexy B S (2019P27)
4. Sabarnikka C (2019P31)

Under the Guidance of

Ms. J. R. Sofia,
Assistant Professor,
Research Centre of Physics,
Fatima College (Autonomous), Madurai



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JUNE 2022



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Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work 'GAS LEAKAGE DETECTOR' done by Anu C (2019P04), Rebekal S (2019P26), Remy B S(2019P27), Sabarnikka C (2019P31), Under the guidance of Ms. J. R. Sofia, Assistant Professor, Research Centre of Physics has been submitted for external viva-voce on 06.06.2022 at Fatima College (Autonomous), Madurai.


External Examiner


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Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We here by declare that the dissertation titled "GAS LEKAGE DETECTOR", submitted to Fatima College (Autonomous), Madurai -625018 to the award of degree of Bachelor of Science in Physics is a Record of original project work carried out under the super vision of Ms. J. R. Sofia, Assistance Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution.

Anu. C

Anu C

(Reg.No:2019P04)

S. Rebekal .

Rebekal S

(RegNo:201926)

Rexy B.S

Rexy B S

(RegNo:2019P27)

C. Sabarnikka,

Sabarnikka C

(RegNo:2019P31)

PLACE: MADURAI

DATE: 06/06/2022



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Mary Land, Madurai - 625018, Tamil Nadu

Avila Francina D - 2019P05, Balameena S - 2019P06, Keerthana J - 2019P18,

Nandhini Priya U - 2019P21, Rifca R - 2019P28

WEATHER MONITORING SYSTEM

A dissertation submitted in partial fulfillment of the
requirement for the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

by

1. Avila Francina D (2019P05)
2. Balameena S(2019P06)
3. Keerthana J (2019P18)
4. Nandhinipriya U (2019P21)
5. Rifca R (2019P28)

Under the Guidance of

Dr. I. Jeya Sheela,

Assistant Professor,

Research Centre of physics,

Fatima College (Autonomous), Madurai.



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MAY, 2022



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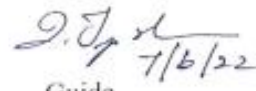
(Autonomous)

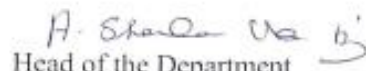
Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work 'WEATHER MONITORING SYSTEM' done by Avila Francina D(2019P05) , Balameena S (2019P06) , Keerthana J (2019P18) , Nandhinipriya U (2019P21) and Rifca R (2019P28) under the guidance of Dr.I.Jeya Sheela, Assistant Professor, Research Centre of Physics has been submitted for external viva-voce on 25.05.2022 at Fatima College (Autonomous),Madurai.


External Examiner


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Head of the Department



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Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We hereby declare that the dissertation titled "WEATHER MONITORING SYSTEM", submitted to Fatima College (Autonomous), Madurai -625018 to the award of degree of **Bachelor of Science in Physics** is a record of original project work carried out under the supervision of **Dr.J.Jeya Sheela**, Assistant Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution.

D. Avila Francina

Avila Francina D

(Reg. No: 2019P05)

S. Balameena

Balameena S

(Reg No:2019P06)

J. Keerthana

Keerthana J

(Reg No: 2019P18)

U. Nandhini Priya

Nandhini Priya U

(Reg No: 2019P21)

Rifca R

Rifca R

(Reg No: 2019P28)

PLACE: MADURAI

DATE: 25/05/2022



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Mary Land, Madurai - 625018, Tamil Nadu

Dharshini J - 2019P07, Poongodi T - 2019P23,
Susan Keziah A - 2019P39, Jeyameena P - 2019P46

GARBAGE MONITORING SYSTEM

A dissertation submitted in partial fulfillment of the
requirement for the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

by

- 1.Dharshini J(2019P07)
- 2.Poongodi T(2019P23)
- 3.Susan Keziah A(2019P39)
- 4.Jeyameena P(2019P46)

Under the Guidance of
Dr.R. Jothi Mani,
Assistant Professor,
Research Centre of physics,
Fatima College (Autonomous), Madurai.



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Mary Land, MADURAI -625 018

JUNE, 2022



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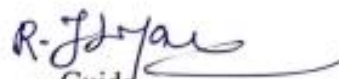
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Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work 'GARBAGE MONITORING SYSTEM' done by Dharshini J (2019P07) , Poongodi T (2019P23) , Susan Keziah A (2019P39) and Jeyameena P (2019P46) under the guidance of Dr.R.Jothi Mani , Assistant Professor, Research Centre of Physics has been submitted for external viva-voce on 06.06.2022 at Fatima College (Autonomous),Madurai.


External Examiner


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Head of the Department



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Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We hereby declare that the dissertation titled "**GARBAGE MONITORING SYSTEM**", submitted to Fatima College (Autonomous), Madurai -625018 to the award of degree of **Bachelor of Science in Physics** is a record of original project work carried out under the supervision of Dr.R. Jothi Mani, **Assistant Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai** and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution.

J. Dharshini
Dharshini J
(2019P07)

T. Poongodi
Poongodi T
(2019P23)

A. Susan Keziah
Susan Keziah A
(2019P39)

P. Jeyameena
Jeyameena P
2019P46

PLACE: MADURAI

DATE: 06/06/2022



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Mary Land, Madurai - 625018, Tamil Nadu

Dhiyashree M - 2019P08, Donisha Jenet D - 2019P10,

Geethanjali S - 2019P11, Susmitha N - 2019P40

PATIENT HEALTH MONITORING SYSTEM

A dissertation submitted in partial fulfillment of the
requirement for the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

by

DHIYASHREE M (2019P08)

DONISHA JENET D (2019P10)

GEETHANJALI S (2019P11)

SUSMITHA N (2019P40)

Under the Guidance of

Dr. Anceemna Joseph

Assistant Professor,

Research Centre of physics,

Fatima College (Autonomous), Madurai.



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MAY, 2022



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Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work 'PATIENT HEALTH MONITORING SYSTEM' done by Dhiyashree M(2019P08), Donisha Jennet D(2019P10), Geethanjali S(2019P11), Susmitha N(2019P40), Under the guidance of Dr. Ancemba Joseph, Assistant Professor, Research Centre of Physics has been submitted for external viva-voce on 25.05.2022 at Fatima College (Autonomous), Madurai.


External Examiner


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Head of the Department 6/6/22



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Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We hereby declare that the dissertation titled "PATIENT HEALTHMONITORING SYSTEM", submitted to Fatima College (Autonomous), Madurai -625018 to the award of degree of Bachelor of Science in Physics is a record of original project work carried out under the supervision of Dr. Ancemba Joseph , Assistant Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution

Dhiyashree . M
Dhiyashree M

Donisha Jenet.D
Donisha Jenet.D

Geethanjali.S
Geethanjali.S

Susmitha . N
Susmitha.N

PLACE: MADURAI

DATE: 25/05/2022



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Affiliated to Madurai Kamaraj University
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Mary Land, Madurai - 625018, Tamil Nadu

Ishwariya Rani N S - 2019P12, Sherline Regishma A K - 2019P35,
Subashini S - 2019P37, Sumithra B - 2019P38, Vaisha S L - 2019P42

PEOPLE COUNTING SYSTEM

A dissertation submitted in partial fulfillment of the
Requirement of the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

By

1. N.S.ISHWARIYA RANI (2019P12)
2. A.K.SHERLINE REGISHMA (2019P35)
3. S.SUBASHINI (2019P37)
4. B.SUMITHRA (2019P38)
5. S.L.VAISHA(2019P42)

Under the Guidance of

DR.R. JOTHI MANI

Assistant Professor,

Research Centre of Physics,

Fatima College (Autonomous), Madurai.



FATIMA COLLEGE (AUTONOMOUS), MADURAI

(Affiliated to **MADURAI KAMARAJ UNIVERSITY**)

(RE-ACCREDITED WITH 'A++' BY NAAC (CYCLE-4)

(74th Rank in India Ranking 2020 (NIRF) by MHRD) Mary

Land, Madurai-625018

MAY 2022



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Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work "PEOPLE COUNTING SYSTEM" done by IshwariyaRani NS (2019P12), Sherline Regishma AK (2019P35), Subashini S (2019P37), Sumithra B (2019P38), Vaisha SL (2019P42) Under The Guidance Of Dr. R. JOTHI MANI, Assistant Professor, Research Centre of Physics has been submitted for external viva-voce on 25.05.2022 at Fatima College (Autonomous), Madurai.


External Examiner


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Head of the Department 25/5/22



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Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We hereby declare that the dissertation titled "PEOPLE COUNTING SYSTEM", submitted to Fatima College (Autonomous), Madurai-625018 for the award of degree of **BACHELOR OF SCIENCE IN PHYSICS** is record of original project work carried out under the supervision of **Dr. R. JOTHIMANI**, Assistant Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution.

N.S. Ishwariya Rani
N.S. ISHWARIYA RANI

(Reg. No: 2019P12)

A.K. Sherline Regishma
A.K. SHERLINE REGISHMA

(Reg. No: 2019P35)

S. Subashini
S. SUBASHINI
(Reg. No: 2019P37)

B. Sumithra
B. SUMITHRA
(Reg. No: 2019P38)

S.L. Vaisha
S.L. VAISHA
(Reg. No: 2019P42)

Place: Madurai

Date: 25.05.2022



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Mary Land, Madurai - 625018, Tamil Nadu

Joshini H - 2019P16, Manjuparkavi R - 2019P19, Serina Roses A - 2019P33

HYDROPHONIC MONITORING SYSTEM

A dissertation submitted in partial fulfillment of the
requirement for the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

by

1. Joshini H (2019P16)
2. Manjuparkavi R(2019P19)
3. Serina Roses A(2019P33)

Under the Guidance of

Ms.I.Janet sherly

Assistant Professor, Research Centre of physics,
Fatima College (Autonomous), Madurai.



FATIMA COLLEGE (AUTONOMOUS), MADURAI
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Mary Land, MADURAI -625 018

May,2022



FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

CERTIFICATE

This is to certify that the project work 'HYDROPHONIC MONITORING SYSTEM' done by **Joshini H (2019P16), Manjuparkavi R(2019P19), Serina Roses A(2019P33)** Under the guidance of Ms.I.Janet Sherly Assistant Professor, Research Centre of Physics has been submitted for external viva-voce on 25.05.2022 at Fatima College (Autonomous), Madurai.


External Examiner


Guide


Head of the Department 25/5/22



FATIMA COLLEGE

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Re-Accredited with 'A++' (CGPA 3.61) by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

DECLARATION

We hereby declare that the dissertation titled "**HYDROPHONIC MONITORING SYSTEM**", submitted to Fatima College (Autonomous), Madurai -625018 to the award of degree of **Bachelor of Science in Physics** is a record of original project work carried out under the supervision of **Ms.L.Janet sherly** , Assistant Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution.

H. Joshini
Joshini H(2019P16)

P. Manjuparkavi
Manjuparkavi R(2019P19)

A. Serina Roses
Serina Roses A(2019P33)

PLACE: MADURAI

DATE: 25/05/2022



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Mary Land, Madurai - 625018, Tamil Nadu

Kaleeswari S - 2019P17, Parvathavarthini S - 2019P22,
Shivadharini M - 2019P36, Yogadharshini M - 2019P43, Jeswil S - 2019P44

DIGITAL NOTICE BOARD

A dissertation submitted in partial fulfillment of the
requirement for the award of the degree of
BACHELOR OF SCIENCE IN PHYSICS

by

1. Kaleeswari S (2019P17)
2. Parvathavarthini S (2019P22)
3. Shivadharini M (2019P36)
4. Yogadharshini M (2019P43)
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CERTIFICATE

This is to certify that the project work 'DIGITAL NOTICE BOARD' done by Kaleeswari S (2019P17), Parvathavarthini S (2019P22), Shivadharini M (2019P36), Yogadharshini M (2019P43), Jeswil S (2019P44) under the guidance of Ms. I Janet sherly, Assistant Professor, Research Centre of Physics has been submitted for external viva-voce on 25.05.2022 at Fatima College (Autonomous), Madurai.

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DECLARATION

We hereby declare that the dissertation titled "DIGITAL NOTICE BOARD", submitted to Fatima College (Autonomous), Madurai -625018 to the award of degree of **Bachelor of Science in Physics** is a record of original project work carried out under the supervision of **Ms.LJanet Sherly Assistant professor, Research Centre of Physics, Fatima College (Autonomous), Madurai** and has not submitted for any degree or diploma in Madurai Kamaraj University or any Institution.

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