

CONSTRUCTION OF SEMI-REGULAR GRAPHS

Dissertation submitted to
Thassim Beevi Abdul Kader College for Women
for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

MATHEMATICS

by

AFRINRIHANA H

(Registration No: 22MMX0001)

Under the supervision of
Dr.M.NAZREEN BANU, M.Sc., M.Phil., Ph.D., PGDOR., DIT.,



DEPARTMENT OF MATHEMATICS

Recognized by DBT under Star College Scheme,
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2024

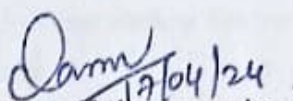
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Date: 17.04.24.

Place: KILAKARAI


Signature of the supervisor

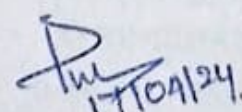
Dr.M.NAZREEN BANU

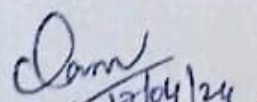
Associate Professor

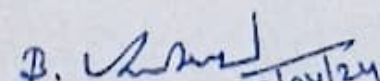
Department of Mathematics

Thassim Beevi Abdul Kader College for Women

Approved by


Head of the Department


Internal Examiner


External Examiner

LABELING GRAPH USING HARMONIC MEAN

Dissertation submitted to
Thassim Beevi Abdul Kader College for Women
for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE
in
MATHEMATICS

by
AROCKIA SILVIYA A
(Registration No: 22MMX0002)

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ABDUL KADER COLLEGE FOR WOMEN
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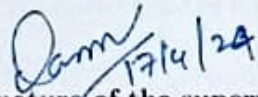
APRIL-2024

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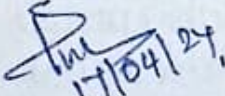
Dr. M Nazreen Banu

Associate Professor

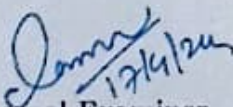
Department of Mathematics

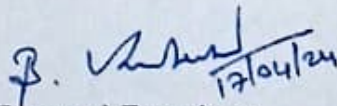
Thassim Beevi Abdul Kader College for Women

Approved by


17/04/24

Head of the Department


Internal Examiner


External Examiner

SECURE POWER DOMINATION NUMBER OF CERTAIN CLASSES OF GRAPHS

Dissertation submitted to

Thassim Beevi Abdul Kader College for Women

for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

MATHEMATICS

by

BAZEERA BANU M

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DEPARTMENT OF MATHEMATICS

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(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2024

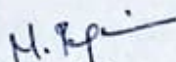
CERTIFICATE

This is to certify that the work contained in the thesis entitled "SECURE POWER DOMINATION NUMBER OF CERTAIN CLASSES OF GRAPHS", submitted by BAZEERA BANU M (Regd No: 22MMX0003) for the award of the of M Sc Mathematics to Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

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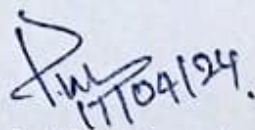
Ms M Regina

Assistant Professor

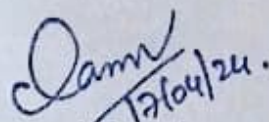
Department of Mathematics

Thassim Beevi Abdul Kader College for Women

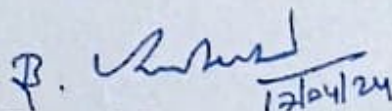
Approved by



Head of the Department



Internal Examiner



External Examiner

SEMI Δ -OPEN SET IN IDEAL AND GRILL TOPOLOGICAL SPACES

Dissertation submitted to
Thassim Beevi Abdul Kader College for Women
for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE
in
MATHEMATICS

by

KANMANI V
(Registration No: 22MMX0005)

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KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2024

CERTIFICATE

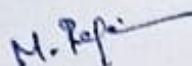
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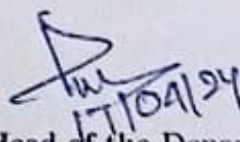
Mrs M Regina

Assistant Professor

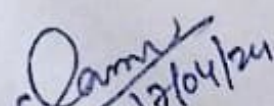
Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

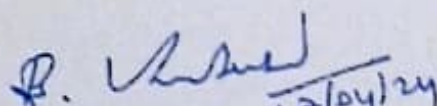
Approved by



Head of the Department



Internal Examiner



External Examiner

NEARLY P- PARACOMPACTNESS IN IDEAL TOPOLOGICAL SPACES

Dissertation submitted to
Thassim Beevi Abdul Kader College for Women
for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE
in
MATHEMATICS

by

MADHU BALA S
(Registration No: 22MMX0006)

Under the supervision of
Dr R PUNITHA M.Sc.,M.Phil.,B.Ed.,Ph.D.,



DEPARTMENT OF MATHEMATICS
Recognized by DBT under Star College Scheme,
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KILAKARAI-623517, TAMIL NADU, INDIA
APRIL-2024

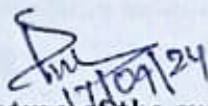
CERTIFICATE

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Date: 17.04.2024

Place: Kilakarai



Signature of the supervisor

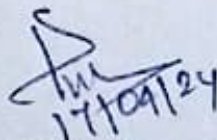
Dr R Punitha

Associate Professor and Head

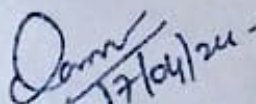
Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

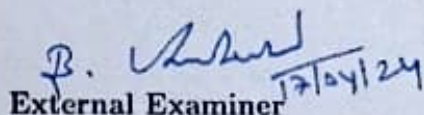
Approved by



Head of the Department



Internal Examiner



External Examiner

FUZZY IDEAL IN PSEUDO BG - ALGEBRA

Dissertation submitted to

Thassim Beevi Abdul Kader College for Women

for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

MATHEMATICS

by

MUNEESKANI M

(Registration No: 22MMX0007)

Under the supervision of

Ms G SARAVANA PRIYA M.SC.,B.ED.,



DEPARTMENT OF MATHEMATICS

Recognized by DBT under Star college Scheme,

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(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2024

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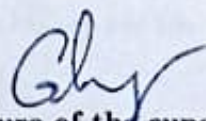
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Date: 17.4.2024

Place: Kilakarai



Signature of the supervisor

Ms G SARAVANA PRIYA

Assistant Professor

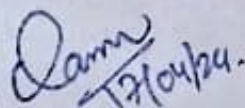
Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

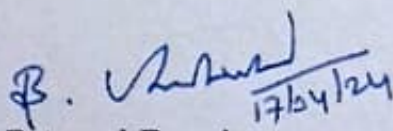
Approved by



Head of the Department



Internal Examiner



External Examiner

**AN ANALYSIS OF SMARTPHONE USING BY COLLEGE
STUDENTS OF THASSIM BEEVI ABDUL KADER COLLEGE
FOR WOMEN KILAKARAI: A CHI SQUARE APPROCH**

*Dissertation submitted to
Thassim Beevi Abdul Kader College for Women
for the partial fulfilment of the requirements for the award of the degree of*

MASTER OF SCIENCE

in

MATHEMATICS

by

NIKITHA R

(Registration No: 22MMX0008)

*Under the supervision of
Ms R SRIMATHI M.Sc.,B.Ed.,*



DEPARTMENT OF MATHEMATICS

**Recognized by DBT under star College scheme,
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(An Autonomous Institution)**

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2024

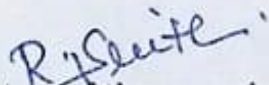
CERTIFICATE

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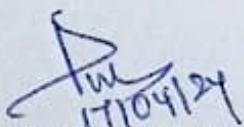
Ms R SRIMATHI

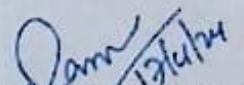
Assistant Professor

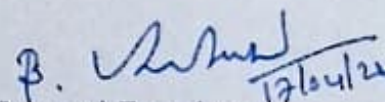
Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

Approved by


Head of the Department


Internal Examiner


External Examiner

WEAKLY $b-I_S$ -OPEN SETS AND WEAKLY $b-I_S$ -CONTINUOUS FUNCTIONS

Dissertation submitted to
Thassim Beevi Abdul Kader College for Women
for the partial fulfilment of the requirements for the award of the degree of

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by

PREETHI K
(Registration No: 22MMX0009)

Under the supervision of
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DEPARTMENT OF MATHEMATICS
Recognized by DBT under Star College Scheme,
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APRIL-2024

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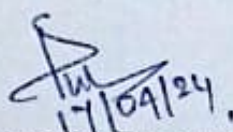
Dr R Punitha

Assistant Professor and Head

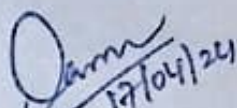
Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

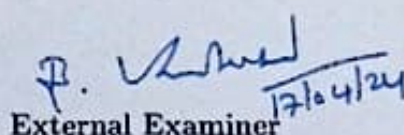
Approved by



Head of the Department



Internal Examiner



External Examiner

TRIPOLAR FUZZY WEAK BI-IDEALS OF COUPLED Γ -NEAR-RINGS

Dissertation submitted to

Thassim Beevi Abdul Kader College for Women

for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

MATHEMATICS

by

RASOOL ASIYA T

(Registration No: 22MMX0010)

Under the supervision of

Ms A THANISHA BARVIN, M.Sc.,



DEPARTMENT OF MATHEMATICS

Recognized by DBT under Star College Scheme,

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(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2024

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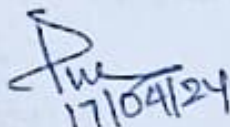
Mrs A Thanisha Barvin

Assistant Professor

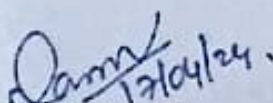
Department of Mathematics

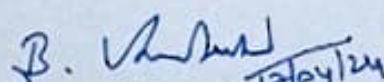
Thassim Beevi Abdul Kader College for Women

Approved by



Head of the Department


Internal Examiner


External Examiner

HESITANT FUZZY FILTERS AND BI-FILTERS IN ORDERED Γ -SEMI-RING

Dissertation submitted to

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for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

MATHEMATICS

by

SHAFRIN ASIMA H

(Registration No: 22MMX0011)

Under the supervision of

Ms R SOWMIYA, M.Sc.,



DEPARTMENT OF MATHEMATICS

Recognized by DBT under Star College Scheme,

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(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2024

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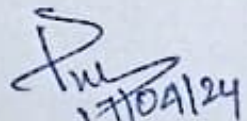
Ms R Sowmiya

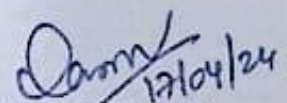
Assistant Professor

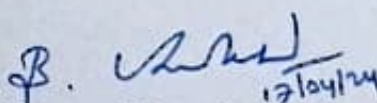
Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

Approved by


Head of the Department


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External Examiner

STRUCTURE OF AN IDEMPOTENT COMMUTATIVE GAMMA MONOID

Dissertation submitted to

Thassim Beevi Abdul Kader College for Women

for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

MATHEMATICS

by

SOWMIYA M

(Registration No: 22MMX0012)

Under the supervision of

Ms S.ABUTHAMINISHA M.Sc,B.Ed



DEPARTMENT OF MATHEMATICS

Recognized by DBT under Star College Scheme,

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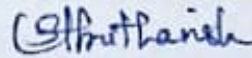
CERTIFICATE

This is to certify that the work contained in the thesis entitled "STRUCTURE OF AN IDEMPOTENT COMMUTATIVE GAMMA MONOID", submitted by SOWMIYA M (Regd No: 22MMX0012) for the award of the degree of M Sc Mathematics to Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other college.

Date: 17.04.2024

Place: Kilakarai



Signature of the supervisor

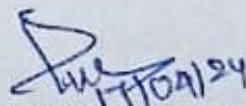
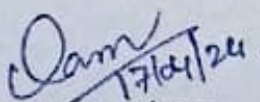
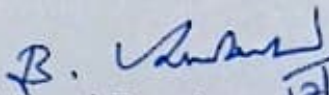
Ms S Abuthaminisha

Assistant Professor

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Thassim Beevi Abdul Kader College for Women

Approved by


17/04/24
Head of the Department
17/04/24
Internal Examiner
17/04/24
External Examiner

QUASI WEAK m -POWER COMMUTATIVE Γ -SEMI NEAR RING

Dissertation submitted to
Thassim Beevi Abdul Kader College for Women
for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE
in
MATHEMATICS

by

VANAJA M
(Registration No: 22MMX0013)

Under the supervision of
Ms M GOKILA VANI, M.Sc., M.Phil.,



DEPARTMENT OF MATHEMATICS
Recognized by DBT under Star College Scheme,
THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN
(An Autonomous Institution)
KILAKARAI-623517, TAMIL NADU, INDIA
APRIL-2024

CERTIFICATE

This is to certify that the work contained in the thesis entitled "QUASI WEAK m -POWER COMMUTATIVE Γ -SEMI NEAR RING", submitted by VANAJA M (Regd No: 22MMX0013) for the award of the degree of M Sc Mathematics to Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

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Date: 17.4.2024

Place: Kilakarai

M.G.

Signature of the supervisor

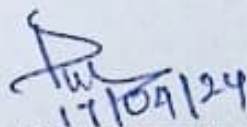
Ms M. Gokila Vani

Assistant Professor

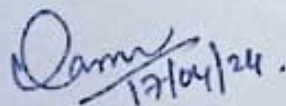
Department Of Mathematics

Thassim Beevi Abdul Kader College for Women

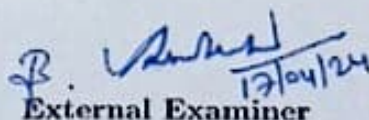
Approved by


17/04/24

Head of the Department


17/04/24.

Internal Examiner


17/04/24

External Examiner

ON $\text{PO-}\Gamma$ -SEMIGROUPS IN TERMS OF ANTI FUZZY BI-IDEALS

Dissertation submitted to

Thassim Beevi Abdul Kader College for Women

for the partial fulfilment of the requirements for the award of the degree of

MASTER OF SCIENCE

in

MATHEMATICS

by

VARSHINI S

(Registration No: 22MMX0014)

Under the supervision of

Dr K SURIYAPRABHA M.Sc.,Ph.D.



DEPARTMENT OF MATHEMATICS

Recognized by DBT under Star College Scheme,

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN

(An Autonomous Institution)

KILAKARAI-623517, TAMIL NADU, INDIA

APRIL-2024

CERTIFICATE

This is to certify that the work contained in the thesis entitled "ON PO- Γ -SEMIGROUPS IN TERMS OF ANTI FUZZY BI-IDEALS", submitted by VARSHINI S (Regd No: 22MMX0014) for the award of the degree of M Sc Mathematics to Thassim Beevi Abdul Kader College for Women, Kilakarai is a record of bonafide research works carried out by her under my direct supervision.

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Date: 17/04/2024

Place: Kilakarai



Signature of the supervisor

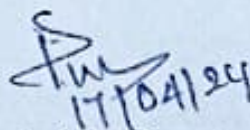
Dr K suriyaprabha

Assistant Professor

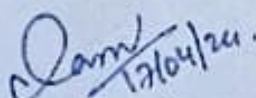
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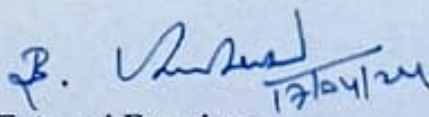
Approved by



Head of the Department



Internal Examiner



External Examiner