

CERTIFICATE

This is to certify that the dissertation entitled "ON FUZZY GENERALIZATION" submitted by Ms. MEGHA LAKSHMI in partial fulfilments for the Master's Degree in Mathematics is a bonafied record of the studies under taken by her under my supervision at the department of Mathematics, AL-AMEEN COLLEGE EDATHALA,ALUVA during the academic year 2021-2023. This dissertation has not been submitted for any other degree elsewhere.




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Place: Edathala

Examiner 2: Susmi Skaria 
10/8/23

Date:

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON GAME THEORY" submitted by KRISHNAPRIYA K A to Mahatma Gandhi University, Kottayam , in partial fulfilment of the requirements for the Master's Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, AL AMEEN COLLEGE EDATHALA, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.



Asst.Prof.RILGA K O

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Dr. VINITHA T

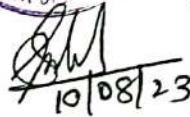
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Examiner 2: Susmi Skaria


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This is to certify that the dissertation entitled "STOCHASTIC PROCESS AND MARKOV CHAIN" being submitted by LAKSHMI S MENON to the Mahathma Gandhi University ,Kottayam,in partial fulfillment of the degree of Master of Science in Mathematics is a bonafide record of the studies carried out at the Department of Mathematics ,AL-AMEEN COLLEGE ,EDATHALA by her under my supervision and guidance . This dissertation has not been submitted for any other degree elsewhere.

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Examiner 2 : Susmi Skaria *Susmi Skaria*

Place : Edathala

Date : 10 - 8 - 2023

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This is to certify that the dissertation entitled "**GRAPH PRODUCTS**" being submitted by **RIYA SAKKEER** to the Mahathma Gandhi University, Kottayam in partial fulfillment of the requirements for the Master's Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, **AL - AMEEN COLLEGE, EDATHALA** during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.

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This is to certify that the dissertation entitled "TOPOLOGICAL ALGEBRA" submitted by SHALU KRISHNAN U to Mahatma Gandhi University, Kottayam, in partial fulfilment of the requirements for the Master's Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, AL AMEEN COLLEGE EDATHALA, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.



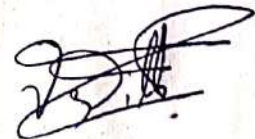
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Examiner 2: Srusmi Skaria  11/8/23

Place: Edathala

Date: 7/08/2023

CERTIFICATE

This is to certify that the dissertation entitled “COMPOSITION OPERATORS ON HARDY SPACE” Submitted by Mr. SHAHID KHAN N J in partial fulfilments for the Master’s Degree in Mathematics is a bonafide record of the studies under taken by him under my supervision at the department of Mathematics, AL-AMEEN COLLEGE, EDATHALA, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.

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Date: 7/8/23

CERTIFICATE

This is to certify that the dissertation entitled "MATHEMATICS IN MACHINE LEARNING" submitted by Ms. MUHSINA K I in partial fulfillment of the requirements for the Master's Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the department of Mathematics, AL-AMEEN COLLEGE EDATHALA, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.

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Place: Edathala

Date: 11/08/2023

CERTIFICATE

This is to certify that the dissertation entitled "EXPLORING THE FUNDAMENTALS OF CATEGORY THEORY" being submitted by RASEENA P B to Mahatma Gandhi University, Kottayam, in partial fulfillment of the requirements for the Master's Degree in Mathematics, is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, Al-Ameen College, Edathala, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.

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11/8/23

Place : Edathala

Date : 07-08-2023

CERTIFICATE

This is to certify that the dissertation entitled "LINEAR FRACTIONAL PROGRAMMING" submitted by RESHMA RAJESH to the Mahatma Gandhi University, Kottayam, in partial fulfilment of the requirements for the Master's Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, AL-AMEEN COLLEGE EDATHALA, during 2021 -2023. This dissertation has not been submitted for any other degree elsewhere.

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Place: Edathala

Date: 7 / 08 / 2023

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON DOMINATION IN GRAPHS" being submitted by POOJA V K to the Mahatma Gandhi University Kottayam, in partial fulfillment of the requirements for the Master's Degree in mathematics is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, Al-Ameen College, Edathala, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.



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Date : 11-08-2023

CERTIFICATE

This is to certify that the dissertation entitled “ **CODING THEORY** ” submitted by **NIJINA T** to Mahatma Gandhi University, Kottayam, in partial fulfilment of the requirements for the Master’s Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, **AL AMEEN COLLEGE EDATHALA**, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.

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CERTIFICATE

This is to certify that the dissertation entitled “**RHOTRIX THEORY**” Submitted by **Mr. MUHAMMED SALIH N V** in partial fulfilments for the Master’s Degree in Mathematics is a bonafide record of the studies under taken by him under my supervision at the department of Mathematics , **AL-AMEEN COLLEGE, EDATHALA**, during 2021-2023. This dissertation has not been submitted by any other degree elsewhere.

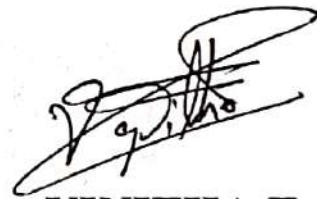


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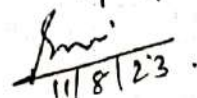
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Date : 11/08/2023

CERTIFICATE

This is to certify that the dissertation entitled “**SEQUENCING PROBLEMS**”
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Degree in Mathematics is a bonafide record of the studies under taken by her under my
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Date : 11/08/2023

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This is to certify that the dissertation entitled "A STUDY ON PHYLOGENETIC TREES" Submitted by Ms. THAMEEMA THASNIM in partial fulfilments for the Master's Degree in Mathematics is a bonafide record of the studies under taken by her under my supervision at the Department of Mathematics, AL AMEEN COLLEGE, EDATHALA, during 2021-2023. This dissertation has not been submitted by any other degree elsewhere.

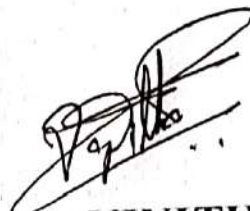


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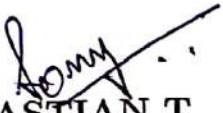
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Place : Edathala


Date : 11/08/2023


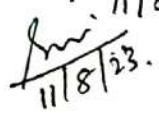
CERTIFICATE

This is to certify that the dissertation entitled " INTRODUCTION TO UNIFORM SPACES " submitted by SUNAINA MA to Mahatma Gandhi University, Kottayam , in partial fulfilment of the requirements for the Master's Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, AL AMEEN COLLEGE EDATHALA, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.


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Date : 7 / 8 / 2023

CERTIFICATE

This is to certify that the dissertation entitled “ ANTI-MAGIC GRAPH LABELING ” being submitted by ANSIYA SAIDU to the Mahatma Gandhi University , Kottayam , in partial fulfillment of the degree of Master of Science in Mathematics is a bonafide record of the studies carried out at the Department of Mathematics , AL-AMEEN COLLEGE, EDATHALA, by her under my supervision and guidance . This dissertation has not been submitted for any other degree elsewhere.



Rilga K O

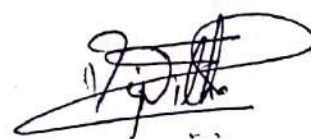
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1. Dr. Salini S. Nair 
10/8/23
2. Susmi Skaria 
10/8/23

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON ENERGY OF GRAPHS" Submitted by Ms. ASWANI C S in partial fulfillments for the Master's Degree in Mathematics is a bonafide record of the studies under taken by her under my supervision at the department of Mathematics, AL-AMEEN COLLEGE, EDATHALA, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.

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10/8/23.

Place : Edathala

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CERTIFICATE

This is to certify that the dissertation entitled “ **FUZZY TOPOLOGY** ” submitted by **ASWATHI V V** to the Mahatma Gandhi University, Kottayam, in partial fulfillment of the requirements for the Master’s Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the Department of Mathematics, **Al-Ameen College, Edathala**, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.



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CERTIFICATE

This is to certify that the dissertation entitled "FUZZY SETS AND ITS MEASURE" submitted by Ms. AYSHA P A in partial fulfilment of the requirements for the Master's Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the department of Mathematics, AL-AMEEN COLLEGE EDATHALA, during 2021-2023. this dissertation has not been submitted for any other degree elsewhere.



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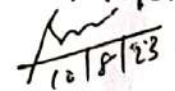
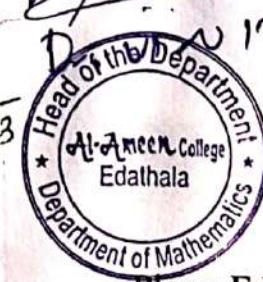
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10/8/23

Place: Edathala

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This is to certify that the dissertation entitled "KNOT THEORY" Submitted by **FATHIMA MISRIYA P S** in partial fulfilments for the Master's Degree in Mathematics is a bonafide record of the studies under taken by her under my supervision at the department of Mathematics, **AL-AMEEN COLLEGE, EDATHALA**, during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.



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This is to certify that the dissertation entitled "**LINEAR INTEGRAL EQUATIONS**" Submitted by **Ms. FATHIMA P A** in partial fulfilments for the Master's Degree in Mathematics is a bonafide record of the studies under taken by her under my supervision at the department of Mathematics, **AL-AMEEN COLLEGE, EDATHALA** during 2021-2023. This dissertation has not been submitted for any other degree elsewhere.



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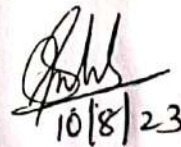
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Place: Edathala

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10/8/23.

Date: 07/08/2023

CERTIFICATE

This is to certify that the dissertation entitled "LIE ALGEBRA" being submitted by HISANA REJEEF to the Mahatma Gandhi University, Kottayam, in partial fulfilment of the degree of Master of Science in Mathematics is a bonafide record of the studies carried out at the Department of Mathematics, Al-Ameen College, Edathala by her under my supervision and guidance. This dissertation has not been submitted for any other degree elsewhere.

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CERTIFICATE

This is to certify that the dissertation entitled "FUZZY SOFT SET AND IT'S APPLICATIONS" being submitted by JIFNA T A to the Mahathma Gandhi University, kottayam, in partial fulfillment of the degree of Master of Science in mathematics is a bonafide record of the studies carried out at the Department of Mathematics, Al- Ameen College, Edathala by her under my supervision and guidance. This dissertation has not been submitted for any other degree elsewhere.

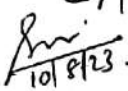

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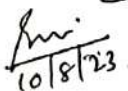
CERTIFICATE

This is to certify that the dissertation entitled " **MATHEMATICS IN FORENSIC SCIENCE** " submitted by **Ms. JISSY FRANCIS** in partial fulfillment of the requirements for the Master's Degree in Mathematics is a bonafide record of the studies undertaken by her under my supervision at the department of Mathematics, **AL-AMEEN COLLEGE EDATHALA** , during 2021-2023. this dissertation has not been submitted for any other degree elsewhere.




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