

**“ ALEXANDROFF SPACE “**

*Dissertation submitted to*

*University of Calicut*

*in partial fulfillment of the requirement*

*for the award of the degree of*

**MASTER OF SCIENCE IN MATHEMATICS**

BY

**ANIT JACOB**

**Reg.No: CRASMMMS001**

2018- 2020

Under the supervision of

Ms. ROSEMITTY P.M

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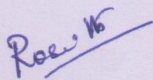
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DECLARATION

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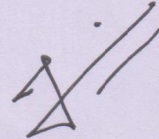


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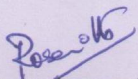


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# DECISION THEORY

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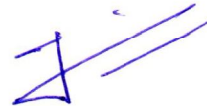


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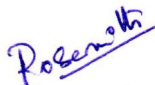


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# SPECTRAL GRAPH THEORY

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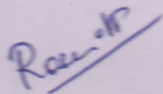
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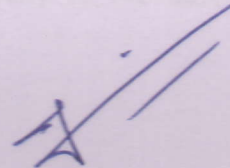


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# FUNDAMENTAL GROUP IN ALGEBRAIC TOPOLOGY

This is to certify that the dissertation entitled "FUNDAMENTAL GROUP IN ALGEBRAIC TOPOLOGY" is the work carried out by AYANA VIJAYAN, Reg.No: CRASMMS004, in partial fulfillment of the requirement for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS. No part of this dissertation has been published for any other degree elsewhere.

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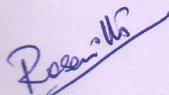
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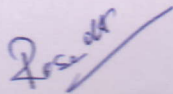
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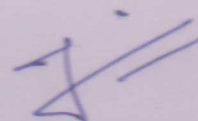


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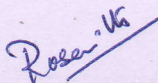


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# INTRODUCTION TO UNIFORM SPACES

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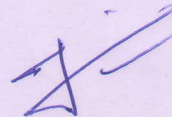
Assistant professor of Mathematics, Carmel College, Mala and no part of the dissertation has been presented before in any other Degree, Diploma, Associateship, Fellowship, or other similar title for the recognition of any University to the best of my knowledge and belief.



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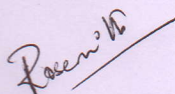
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**KNOT THEORY AND ITS APPLICATIONS**

This is to certify that the dissertation titled "KNOT THEORY AND ITS APPLICATIONS" is a genuine record of work carried out by DELNA DAVIS, Regna: CRASMMS007 of MSc Mathematics under my supervision. The requirement of the Degree of Master of Science in Mathematics has been submitted for any other degree elsewhere.

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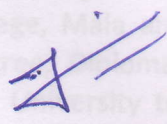
  
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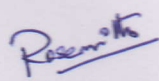
  
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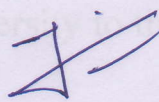


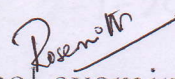
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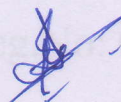
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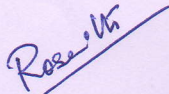
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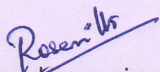
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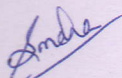
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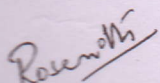
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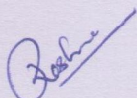
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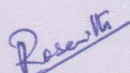


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# **BAIRE SPACES AND DIMENSION THEORY**

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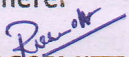
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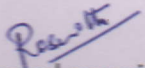
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# INTRODUCTION TO MANIFOLDS

*Dissertation submitted to*  
*University of Calicut*  
*in partial fulfillment of the requirement*  
*for the award of the degree of*  
**MASTER OF SCIENCE IN MATHEMATICS**

BY

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**Reg.No: CRASMMS013**

2018 - 2020

Under the supervision of

**Ms. RESHMA VARGHESE**

**ASST.PROFESSOR OF MATHEMATICS**



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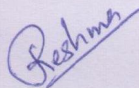
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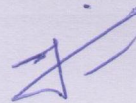
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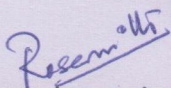
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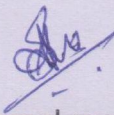
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NETS AND FILTERS

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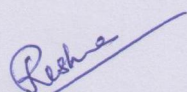
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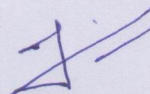
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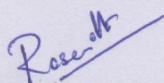
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# NETWORK ANALYSIS AND TECHNIQUES

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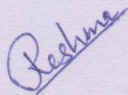
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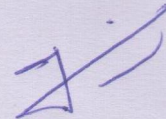
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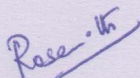
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# **BILINEAR FORMS**

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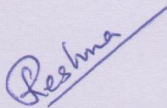
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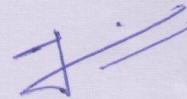
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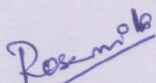
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**BANACH ALGEBRA**

*Dissertation submitted to*  
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**2018- 2020**

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This is to certify that the dissertation entitled "BANACH ALGEBRA" is a bonafide record of work carried out by ROSHNI SATHIS, Reg.No: CRASMMS017 of MSc.Mathematics under my supervision as partial fulfillment for the requirement of the Degree of Master of Science in Mathematics. No part of this project has been submitted for any other degree elsewhere.

Professor of Mathematics, Carmel College, Mala and no part of the dissertation has been presented before in any other Degree, Diploma, Associate ship, Fellowship, or other similar title for the recognition of any University to the best of my knowledge and belief.



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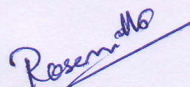
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# CONTINUED FRACTION

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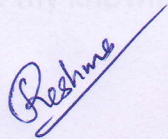
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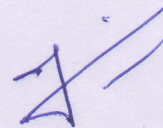
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