

ON A NEW GENERALIZATION OF METRIC SPACES

A project submitted to the Bharathiar University in the partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

Submitted by

C. SHARMILA

(Reg.No. 19PMAT034)

Under the Guidance and Supervision of

Dr:M.LALITHA M.Sc.,M.Phil.,Ph.D.,PGDCA.,B.Ed.,



**DEPARTMENT OF MATHEMATICS
(DBT STAR COLLEGE SCHEME)
KONGU ARTS AND SCIENCE COLLEGE**



An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore

Re-accredited by NAAC

An ISO 9001:2015 Certified Institution

ERODE - 638 107.

MARCH - 2021



CERTIFICATE

This is to certify that the project entitled "ON A NEW GENERALIZATION OF METRIC SPACES" submitted to the Bharathiar University, in partial fulfillment of the requirements for the award of the degree of MASTER OF SCIENCE IN MATHEMATICS is a record of work done by C.SHARMILA (Reg. No.19PMAT034), during the period 2019-2021 of her study in the Department of Mathematics, Kongu Arts and Science College (Autonomous), Erode under my supervision and guidance and the project has not formed the basis for the award of any Degree / Diploma / Associateship / fellowship or similar title to any candidate of any university.

Place : Erode

Date : 27.3.2021

M. L. Lalitha
29/3/21

Signature of the Guide
(Dr.M.LALITHA)

ASSISTANT PROFESSOR OF MATHEMATICS
Kongu Arts and Science College,
(Autonomous)
ERODE - 638 107



S. C. Sharmila
27/3/21

Head of the Department
Head of the Department
Department of Mathematics
Kongu Arts and Science College
(Autonomous)
Erode-338 107

Principal
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107.

Date of Viva-voice Examination 29.3.2021

M. L. Lalitha
29/3/21
INTERNAL EXAMINER

ASSISTANT PROFESSOR OF MATHEMATICS
Kongu Arts and Science College,
(Autonomous)
ERODE - 638 107

K. K. Myithill
29/3/2021
EXTERNAL EXAMINER

Dr. K. K. Myithill
Associate Professor and Head
Department of Mathematics (CA)
Vellalar College for Women (Autonomous)
Erode - 638 012