

**DEVELOPMENT OF NEEDLE PUNCHED NONWOVEN FABRICS
FROM DIFFERENT TYPES OF NATURAL FIBER AND
REGENERATED FIBER**

*A dissertation submitted to the Kongu Arts and Science College (Autonomous),
Erode In partial fulfillment of the requirements for the award of the Degree of*

MASTER OF SCIENCE IN COSTUME DESIGN AND FASHION

Submitted by

Ms. K. MADHUMITHA B.Sc.,

REG. No. 19PCDF005

Under the Guidance of

Mr. R. RAJAKUMAR M.Sc., M.Phil.,

**DEPARTMENT OF COSTUME DESIGN AND FASHION
KONGU ARTS AND SCIENCE COLLEGE**

(AUTONOMOUS)

Affiliated to Bharathiar University, Coimbatore

Approved by UGC, AICTE, New Delhi and Re-accredited by NAAC

An ISO 9001: 2015 Certified Institution

DBT STAR College Scheme

NANJANAPURAM, ERODE – 638107.

April- 2021

KONGU
Assuring the Best



**DEVELOPMENT OF NEEDLE PUNCHED NONWOVEN FABRICS
FROM DIFFERENT TYPES OF NATURAL FIBER AND
REGENERATED FIBER**

Submitted by

**K. MADHUMITHA B.Sc.,
Reg. No. (19PCDF005)**

*A Thesis submitted to the Kongu Arts and Science College (Autonomous), Erode
In partial fulfilment of the requirements for the award of the degree of*

MASTER OF SCIENCE IN COSTUME DESIGN AND FASHION

APRIL - 2021

CERTIFIED AS BONAFIDE RESEARCH WORK



SIGNATURE OF THE

HEAD OF THE DEPARTMENT

Head of the Department
Department of Costume Design and Fashion
Kongu Arts and Science College (Autonomous)
Nanjanapuram, Erode - 638 107.



SIGNATURE OF THE GUIDE



SIGNATURE OF THE PRINCIPAL

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

**SIGNATURE OF THE
EXTERNAL EXAMINER**