



CERTIFICATE

This is to certify that all corrections and suggestions pointed out by the Indian /Foreign Examiner(s) are incorporated in the Thesis titled "STUDIES ON CELLULASE TREATED COTTON YARNS AND POLYPROPYLENE - COTTON/SISAL FIBRE HYBRID COMPOSITES" submitted by Ms.M. METTILDA

V. Subramaniam

Signature of the Joint Supervisor

Dr. V. SUBRAMANIAM

DIRECTOR

DEPT OF TEXTILE TECHNOLOGY

JAYA ENGINEERING COLLEGE

THIRUVANMIYUR-600024

Place: Chennai

Date: 14.07.14

Dr. B. Kothandaraman

Signature of the Supervisor

Dr. B. KOTHANDARAMAN

Professor

Department of Rubber & Plastics Technology

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Ph.D.	PT
Reg. No.	2006739108

**PROCEEDINGS OF THE Ph.D VIVA-VOCE EXAMINATION OF Ms.M.METTILDA
HELD AT 10.30 A.M. ON 14.07.2014 IN DEPARTMENT OF RUBBER AND PLASTICS
TECHNOLOGY, MIT.**

The Ph.D. Viva-Voce Examination of Ms. M.METTILDA (Reg. No.2006739108) on her Ph.D. Thesis Entitled "STUDIES ON CELLULASE TREATED COTTON YARNS AND POLYPROPYLENE-COTTON/SISAL FIBRE HYBRID COMPOSITES" was conducted on 14.07.2014 at 10.30a.m. in the Department of Rubber and Plastics Technology, MIT, Chromepet.

The following Members of the Oral Examination Board were present:

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|------------------------|-----------------------|
| 1. Dr.R. Alagirusamy | Indian Examiner |
| 2. Dr.P. Manishankar | Subject Expert |
| 3. Dr.B. Kothandaraman | Supervisor & Convener |
| 4. Dr.V. Subramaniam | Joint Supervisor |

The research scholar, Ms.M.METTILDA presented the salient features of her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholar's research work, her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Ms.M.METTILDA be awarded Ph.D. degree in the Faculty of Science and Humanities.

- | | |
|------------------------|-----------------------|
| 1. Dr.R. Alagirusamy | Indian Examiner |
| 2. Dr.P. Manishankar | Subject Expert |
| 3. Dr.B. Kothandaraman | Supervisor & Convener |
| 4. Dr.V. Subramaniam | Joint Supervisor |

R. Alagirusamy
P. Manishankar
14/07/14
B. Kothandaraman
M. 7-14
V. Subramaniam
14.07.2014


ANNA UNIVERSITY

CHENNAI - 600 025

CERTIFICATE

The research work embodied in the present Thesis entitled "STUDIES ON CELLULASE TREATED COTTON YARNS AND POLYPROPYLENE – COTTON/SISAL FIBRE HYBRID COMPOSITES" has been carried out in the Centre for Research, College of Engineering Guindy, Chennai. The work reported herein is original and does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion or to any other scholar.

I understand the University's policy on plagiarism and declare that the thesis and publications are my own work, except where specifically acknowledged and has not been copied from other sources or been previously submitted for award or assessment.


Signature of the Scholar



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