Mangalore University

DEPARTMENT OF MATERIALS SCIENCE

Mangalore University (Accredited by NAAC)

Mangalagangothri, Konaje-574199

CERTIFICATE

Certified that the Project work entitled "PREPARATION AND CHARACTERIZATION OF POLYIMIDE FILM" is a bonafide work carried out by Mr.Arun John under the guidance of Dr. Vishwanath T., Assistant Professor of Materials Science, Mangalagangothri. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the course.

Date: 30.09.2022.

Dr.Vishwanath T
Project Guide

Dr.Manjunatha Pattabi
Chairman

Chairman
Department of Materials Science
Mangalore University
MANGALAGANGOTRI-574199

Dr. Thirumaleshwara N Bhat
DST-Inspire Faculty
Department of Materials Science,
Mangalore University
Mangalagangotri-574199

MANGALORE UNIVERSITY

CERTIFICATE

This is to certify that the review work presented in the dissertation entitled "POLYMER BASED TiO_2 HYBRID LAYERS FOR PEROVSKITE SOLAR CELLS" by Glaston sushanth Fernandes and Deeksha R, submitted as thereport of the mini project for the degree, Master of Science in Materials Science was carried out under my guidance. The present work or any part thereof has not been submitted to any other university for the award of anyother degree or diploma.

Thiru Bhat

Place: Mangalagangotri
Date:

Dr. Thirumaleshwara N Bhat
(Supervising Guide)

Dr. Manjunatha Pattabi
Chairman
Department of Materials Science

MANGALORE UNIVERSITY

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Mangalagangothri, Dakshina Kannada-574199

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Certified that the Project work entitled **"SYNTHESIS AND CHARACTERIZATION OF ZnO THIN FILMS"** is a literature review report carried out by Ms. Deepthi A under the guidance of Prof. Manjunatha Pattabi, Chairman of Materials Science, Mangalore University, Mangalagangothri. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the course.

Date: 26/10/22

Prof. Manjunatha Pattabi

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Mangalagangothri, Dakshina Kannada-574199

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Certified that the Project work entitled **"SYNTHESIS AND CHARACTERIZATION OF ZnO THIN FILMS"** is a literature review report carried out by Ms. Farzeena Shareen under the guidance of Prof. Manjunatha Pattabi, Chairman of Materials Science, Mangalore University, Mangalagangothri. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the course.

Date: 25-10-22

Prof. Manjunatha Pattabi

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Mangalore University

DEPARTMENT OF MATERIALS SCIENCE

Mangalore University (Accredited by NAAC)

Mangalagangothri, Konaje-574199

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Date: 30.09.2022

Dr.Vishwanath T

Project Guide

Dr.Manjunatha Pattabi

Chairman

Chairman
Department of Materials Science
Mangalore University
MANGALAGANGOTRI-574199

Mangalore University

DEPARTMENT OF MATERIALS SCIENCE

Mangalore University (Accredited by NAAC)

Mangalagangothri, Konaje-574199

CERTIFICATE

Certified that the Project work entitled **"PREPARATION AND CHARACTERIZATION OF POLYIMIDE FILM"** is a bona fide work carried out by Ms. Shreedevi under the guidance of Dr. Vishwanath T., Assistant Professor of Materials Science, Mangalore University, Mangalagangothri. The report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the course.

Date:

Dr. Vishwanath T

Project Guide

Dr. Manjunatha Pattabi 9/1/23

Chairman

Chairman
Department of Materials Science
Mangalore University
MANGALAGANGOTRI - 574 199

MANGALORE UNIVERSITY

(Accredited by NAAC)

DEPARTMENT OF MATERIALS SCIENCE

Mangalagangothri, Dakshina Kannada-574199

CERTIFICATE

This is to certify that the Project work entitled **"SYNTHESIS AND CHARACTERISATION OF CdS AND CdS/ZnS CORE-SHELL NANOPARTICLES AND ITS APPLICATION ON PHOTODEGRADATION OF DYE"** by **VAISHNAVI B AND SREELAKSHMI T** submitted as the report of the mini project for the degree, Master of Science in Materials Science. The report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the course.

Date: 30-09-2022

Place: Mangalagangothri

Rani M. Pattabi

Dr. Rani M Pattabi

Assistant Professor

Department of Materials Science

Prof. Manjunatha Pattabi

Chairman

Department of Materials science