PURITY ANALYSIS OF PETROL AND DIESEL USING LIQUID LENS METHOD

Project report submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Physics

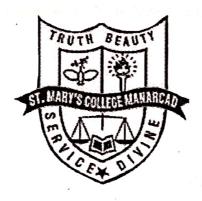
Submitted By

ARCHANA P S

REG NO:190021041470

Under the supervision and guidance of

Dr.Resmi. G. Nair



DEPARTMENT OF PHYSICS ST MARY'S COLLEGE MANARCAUD MARCH 2022

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

DEPARTMENT OF PHYSICS ST. MARY'S COLLEGE MANARCADU



CERTIFICATE

This is to certify that the project report entitled "PURITY ANALYSIS OF PETROL AND DIESEL USING LIQUID LENS METHOD" is an authentic record of project work carried out by "ARCHANA P S." with REG NO:1900210470, St. Mary's College, Manarcadu, Kottayam under my supervision and guidance in partial fulfilment of the requirements for the Bachelor of Science in Physics under the faculty of Mahatma Gandhi University, Kottayam.

Internal guide

3

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Dr.Resmi G Nair

Dept. of Physics

St. Mary's College, Manarcadu

Head of the Department

Dr R Haresh

Dept. of Physics

LED DISPLAY BOARD

Project report submitted to Mahatma Gandhi University In partial fulfillment of the requirements for the award of the Degree Of Bachelor of physics

Submitted By

VISHNU VENUGOPAL

Reg No:190021041482

Under the supervision and guidance of Prof. Saneeju M Salu



DEPARTMENT OF PHYSICS

ST MARY'S COLLEGE MANARCAUD

APRIL 2022

MAHATMA GHANDHI UNIVERSITY, KOTTAYAM

DEPARTMENT OF PHYSICS
ST.MARYS COLLEGE MANARCADU



This is to certify that the project report entitled "LED DISPLAY BOARD" is an authentic record of project work carried out by "VISHNU VENUGOPAL", St. Mary's College, Manarcadu, Kottayam under my supervision and guidance in partial fulfilment of the requirements for the Bachelor of Science in Physics under the faculty of Mahatma Gandhi University, Kottayam.

Internal guide

Prof Saneeju M Salu

Dept. of Physics

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MANARCAUD (S)
KOTTAYAN
MARYSCOLLEGE

Head of the Department

Dr R Haresh

Dept. of Physics

LED DISPLAY BOARD

Project report submitted to Mahatma Gandhi University In partial fulfillment of the requirements for the award of the Degree Of Bachelor of physics

AKASH MS

Reg No:190021041469

Under the supervision and guidance of Prof. Saneeju M Salu



DEPARTMENT OF PHYSICS

ST MARY'S COLLEGE MANARCAUD

APRIL 2022

MAHATMA GHANDHI UNIVERSITY, KOTTAYAM

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ST.MARYS COLLEGE MANARCADU

DEPARTMENT OF PHYSICS ST.MARYS COLLEGE MANARCADU



CERTIFICATE

This is to certify that the project report entitled "LED DISPLAY BOARD" is an authentic record of project work carried out by "AKASH MS", St. Mary's College, Manarcadu, Kottayam under my supervision and guidance in partial fulfilment of the requirements for the Bachelor of Science in Physics under the faculty of Mahatma Gandhi University, Kottayam.

External Examiner

Head Of The Department

Dr. R Haresh

Dept. of Physics

St Mary's College Manarcadu

3

COMPARATIVE STUDY OF TENSILE STRENGTH OF VARIOUS HARD WOODS

PROJECT REPORT

Submitted to partial fulfilment of the requirements for the award of the degree of

BACHELOR OF SCIENCE IN PHYSICS

Model - 2 Applied Electronics SUBIN JOSEPH Rea No: 190021041472

Faculty of Science

MAHATMA GANDHI UNIVERSITY

Athirampuzha, Kottayam



Dept. of Physics

ST. MARY'S COLLEGE

Manarcad, Maalam P. O., Kottayam

2022



A frank.

This is to certify that this project report entitled "COMPARATIVE STUDY OF TENSILE STRENGTH OF VARIOUS HARD WOODS" is an authentic record of work carried out by SUBIN JOSEPH, in the Department of Physics, St Mary's College, Manarcad, under my guidance and supervision without any external help.

Dr. Vinila V S

Lecturer in Charge

Dept. of Physics

St. Mary's College

Manarcad

Approved by

Dr. Haresh R

HOD of Physics

St.Mary's College

Manarcad

SYNTHESIS AND THERMOLUMINESCENCE CHARACTERIZATION OF CaSO₄:SMSPOWDER **SAMPLES**

Project report submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Physics

Submitted By

MUHAMMED HISHAM U.T

REG NO:190021041475

Under the supervision and guidance of Dr.Resmi, G. Nair



DEPARTMENT OF PHYSICS ST MARY'S COLLEGE MANARCAUD **MARCH 2022**

MAHATMA GANDHI UNIVERSITY, KOTTAYAM



DEPARTMENT OF PHYSICS ST. MARY'S COLLEGE MANARCADU



CERTIFICATE

entitled "SYNTHESIS AND that the project report certify THERMOLUMINESCENCE CHARACTERIZATION OF CaSO₄ :SMS SAMPLES" is an authentic record of project work carried out by MUHAMMED HISHAM U T with REG NO:190021041475, St. Mary's College, Manarcadu, Kottayam under my supervision and guidance in partial fulfilment of the requirements for the Bachelor of Science in Physics under the faculty of Mahatma Gandhi University, Kottayam.

External Examiner

Head of the Department

Dr R Haresh

Dept. of Physics

SYNTHESIS AND THERMOLUMINESCENCE CHARACTERIZATION OF CaSO₄:SMSPOWDER SAMPLES

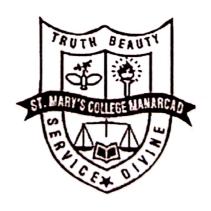
Project report submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Physics

Submitted By

ARJUN T. S.

REG NO:190021041480

Under the supervision and guidance of Dr.Resmi, G. Nair



DEPARTMENT OF PHYSICS ST MARY'S COLLEGE MANARCAUD **MARCH 2022**

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

DEPARTMENT OF PHYSICS ST. MARY'S COLLEGE MANARCADU



CERTIFICATE

This is to certify that the project report entitled "SYNTHESIS AND THERMOLUMINESCENCE CHARACTERIZATION OF CaSO₄ :SMS POWDER SAMPLES" is an authentic record of project work carried out by ARJUN T S with REG NO:190021041480 , St. Mary's College, Manarcadu, Kottayam under my supervision and guidance in partial fulfilment of the requirements for the Bachelor of Science in Physics under the faculty of Mahatma Gandhi University, Kottayam.

External Examiner

Head of the Department

Dr R Haresh

Dept. of Physics

PURITY ANALYSIS OF PETROL AND DIESEL USING LIQUID LENS METHOD

Project report submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the Degree of Bachelor of physics

Submitted By

VINAYAK KRISHNAN

REG NO:190021041478

Under the supervision and guidance of

Dr.Resmi. G. Nair



DEPARTMENT OF PHYSICS ST MARY'S COLLEGE MANARCAD MARCH 2022

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

DEPARTMENT OF PHYSICS ST. MARY'S COLLEGE MANARCADU



CERTIFICATE

This is to certify that the project report entitled "PURITY ANALYSIS OF PETROL AND DIESEL USING LIQUID LENS METHOD" is an authentic record of project work carried out by "VINAYAK KRISHNAN" with REG NO:190021041478, St. Mary's College, Manarcadu, Kottayam under my supervision and guidance in partial fulfilment of the requirements for the Bachelor of Science in Physics under the faculty with Mahatma Gandhi University, Kottayam.

Internal guide

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Dr.Resmi G Nair

Dept. of Physics

St. Mary's College, Manarcadu

Head of the Department

Dr R Haresh

Dept. of Physics

COMPARATIVE STUDY OF TENSILE STRENGTH OF VARIOUS HARD WOODS

PROJECT REPORT

Submitted to partial fulfilment of the requirements for the award of the degree of

BACHELOR OF SCIENCE IN PHYSICS

Model - 2 Applied Electronics
JOMI K SAJI
19002104/481

Faculty of Science

MAHATMA GANDHI UNIVERSITY

Athirampuzha, Kottayam



Dept. of Physics

ST. MARY'S COLLEGE

Manarcad, Maalam P. O., Kottayam 2022



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This is to certify that this project report entitled "COMPARATIVE STUDY OF TENSILE STRENGTH OF VARIOUS HARD WOODS" is an authentic record of work carried out by JOMI K SAJI, in the Department of Physics, St Mary's College, Manarcad, under my guidance and supervision without any external help.

Dr. Vinila V S

Lecturer in Charge

Dept. of Physics

St. Mary's College

Manarcad

Approved by

Dr. Haresh R

HOD of Physics

St.Mary's College

Manarcad

LED DISPLAY BOARD

Project report submitted to Mahatma Gandhi University In partial fulfillment of the requirements for the award of the Degree Of Bachelor of physics

Submitted By

K SNANDAKISHOR

Reg No:190021041473

Under the supervision and guidance of Prof. Saneeju M Salu



DEPARTMENT OF PHYSICS

ST MARY'S COLLEGE MANARCAUD

APRIL 2022

MAHATMA GHANDHI UNIVERSITY, KOTTAYAM

DEPARTMENT OF PHYSICS
ST.MARYS COLLEGE MANARCADU





This is to certify that the project report entitled "LED DISPLAY BOARD" is an authentic record of project work carried out by " K SNANDAKISHOR", St. Mary's College, Manarcadu, Kottayam under my supervision and guidance in partial fulfilment of the requirements for the Bachelor of Science in Physics under the faculty of Mahatma Gandhi University, Kottayam.

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internal guide

Prof Saneeju M Salu

Dept. of Physics

St. Mary's College Manarcadu

Head of the Department

Dr R Haresh

Dept. of Physics

SYNTHESIS AND THERMOLUMINESCENCE CHARACTERIZATION OF CaSO₄:SMSPOWDER **SAMPLES**

Project report submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Physics

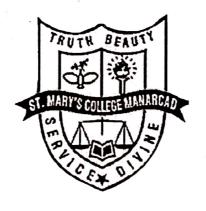
Submitted By

ROHN V.RAJU

REG NO:190021041476

Under the supervision and guidance of

Dr.Resmi. G. Nair





DEPARTMENT OF PHYSICS ST MARY'S COLLEGE MANARCAUD **MARCH 2022**

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

DEPARTMENT OF PHYSICS ST. MARY'S COLLEGE MANARCADU



CERTIFICATE

This is to certify that the project entitled "SYNTHESIS AND report THERMOLUMINESCENCE **CHARACTERIZATION** OF CaSO₄ :SMSPOWDER SAMPLES" is an authentic record of project work carried out by "ROHN V RAJU." with REG NO:190021041476, St. Mary's College, Manarcadu, Kottayam under my supervision and guidance in partial fulfilment of the requirements for the Bachelor of Science in Physics under the faculty of Mahatma Gandhi University, Kottayam.

Internal guide

Dr.Resmi G Nair

Dept. of Physics

St. Mary's College, Manarcadu

Head of the Department

Dr R Haresh

Dept. of Physics

COMPARATIVE STUDY OF TENSILE STRENGTH OF VARIOUS HARD WOODS

PROJECT REPORT

Submitted to partial fulfilment of the requirements for the award of the degree of

BACHELOR OF SCIENCE IN PHYSICS

Model - 2 Applied Electronics KIRAN A PILLAI 190021041474

Faculty of Science

MAHATMA GANDHI UNIVERSITY

Athirampuzha, Kottayam

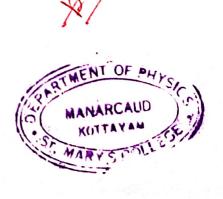


Dept. of Physics

ST. MARY'S COLLEGE

Manarcad, Maalam P. O., Kottayam

2022



This is to certify that this project report entitled "COMPARATIVE STUDY OF TENSILE STRENGTH OF VARIOUS HARD WOODS" is an authentic record of work carried out by KIRAN A PILLAI, in the Department of Physics, St Mary's College, Manarcad, under my guidance and supervision without any external help.

Winda W.D.

Dr. Vinila V S

Lecturer in Charge

Dept. of Physics

St. Mary's College

Manarcad

Approved by

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Dr. Haresh R

HOD of Physics

St.Mary's College

Manarcad

PURITY ANALYSIS OF PETROL AND DIESEL USING LIQUID LENS METHOD

Project report submitted to Mahatma Gandhi University in partial fulfillment of the requirements for the award of the Degree of Bachelor of Physics

Submitted By

ARJUN .K. ANISH

REG NO:190021041471

Under the supervision and guidance of Dr.Resmi. G. Nair



DEPARTMENT OF PHYSICS ST MARY'S COLLEGE MANARCAUD MARCH 2022

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

DEPARTMENT OF PHYSICS ST. MARY'S COLLEGE MANARCADU



CERTIFICATE

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External Examiner

Head of the Department

Dr R Haresh

Dept. of Physics

COMPARATIVE STUDY OF TENSILE STRENGTH OF VARIOUS HARD WOODS

PROJECT REPORT

Submitted to partial fulfilment of the requirements for the award of the degree of

BACHELOR OF SCIENCE IN PHYSICS

Model - 2 Applied Electronics
BASIL REJI
190021041472

Faculty of Science

MAHATMA GANDHI UNIVERSITY

Athirampuzha, Kottayam



Dept. of Physics

ST. MARY'S COLLEGE

Manarcad, Maalam P. O., Kottayam

2022



This is to certify that this project report entitled "COMPARATIVE STUDY OF TENSILE STRENGTH OF VARIOUS HARD WOODS" is an authentic record of work carried out by Basil Reji, in the Department of Physics, St Mary's College, Manarcad, under my guidance and supervision without any external help.

> Naile W.S. Dr. Vinila V S

Lecturer in Charge

Dept. of Physics

St. Mary's College

Manarcad

Approved by

Dr. Haresh R

HOD of Physics

St.Mary's College

Manarcad