

PROJECT REPORT
on
**DETERMINATION OF MASS OF JUPITER FROM THE MOTION OF
ITS MOON USING STELLARIUM SOFTWARE**
&
STUDY OF COLORS OF VARIOUS STARS USING SDSS DATA

submitted to
Mahatma Gandhi University, Kottayam
in partial fulfillment of the requirements for the award of the degree of
Bachelor of Science in Physics

Submitted by
ADIKIRAN JOHNY
(Reg. No: 200021037625)

under the supervision and guidance of
Dr. JINCY DEVASIA



DEPARTMENT OF PHYSICS
HENRY BAKER COLLEGE, MELUKAVU
2023

DEPARTMENT OF PHYSICS
HENRY BAKER COLLEGE, MELUKAVU



CERTIFICATE

This is to certify that the project report entitled **Determination of mass of Jupiter from the motion of its moon using Stellarium software and Study of colors of various stars using SDSS data** is an authentic record of the project work carried out by **Adikiran Johny**, Reg. No: **200020137625** in partial fulfillment of the requirement for the award for the B.Sc Degree in Physics of Mahatma Gandhi University, Kottayam in the Department of Physics, Henry Baker College, Melukavu during the academic year 2020 - 2023.

HEAD OF THE DEPARTMENT

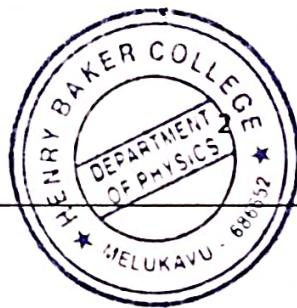
EXAMINERS

1.
6/05/2023

2.

SUPERVISOR

Date



LIGHT – FIDELITY PROJECT
PROJECT REPORT
SUBMITTED TO
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE IN PHYSICS

SUBMITTED BY

AMAL JACOB

(REG NO: 200021037626)

UNDER THE SUPERVISION AND GUIDANCE OF

Dr. JINCY DEVASIA



DEPARTMENT OF PHYSICS
HENRY BAKER COLLEGE, MELUKAVU

2023

DEPARTMENT OF PHYSICS



HENRY BAKER COLLEGE, MELUKAVU

CERTIFICATE

This is to certify that the project report entitled “**Light-Fidelity Project**” is an authentic record of the project work carried out by **Amal Jacob, Reg. No: 200020137626** on partial fulfillment of the requirement for the award for the B.Sc Degree in Physics of Mahatma Gandhi university, Kottayam in the Department of Physics, Henry Baker College, Melukavu during the academic year 2020 - 2023.

HEAD OF THE DEPARTMENT

J. J. Jacob



J. J. Jacob

SUPERVISOR

EXAMINERS

1.

Amal Jacob
6/5/2023

2.

Date:

A project report on
***ANALYSIS OF CHANGES IN GLOBAL AIR TEMPERATURE AND PRECIPITATION
USING IMAGES GENERATED BY THE IPCC INTERACTIVE ATLAS***

Submitted to

Mahatma Gandhi University, Kottayam

in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF SCIENCE IN PHYSICS

Submitted by

AMMU BIJITH

(Reg. No: 200021037627)

Under the Supervision and Guidance of

Dr. SNEHA SUSAN MATHEW



DEPARTMENT OF PHYSICS

HENRY BAKER COLLEGE MELUKAVU

MAY 2023



DEPARTMENT OF PHYSICS
HENRY BAKER COLLEGE MELUKAVU

CERTIFICATE

This is to certify that the project report entitled "**ANALYSIS OF CHANGES IN GLOBAL AIR TEMPERATURE AND PRECIPITATION USING IMAGES GENERATED BY THE IPCC INTERACTIVE ATLAS**" is an authentic record of the project work carried out by AMMU BIJITH, REG NO; 200021037627 on partial fulfillment of the requirement for the award of the B.Sc. Degree in Physics of Mahatma Gandhi University, Kottayam in the Department of Physics, Henry Baker College, Melukavu during the academic year 2022-2023.

HEAD OF THE DEPARTMENT

J. Jeyaraj
Dr. Jeyaraj
Asst. Prof.
Dept. of Physics

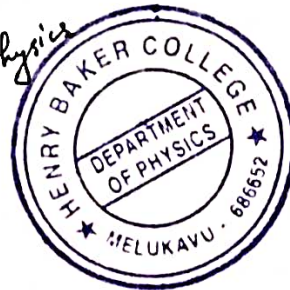
SUPERVISOR

S. S. Mathew
Dr. S. S. Mathew
Asst. Prof., Dept. of Physics

EXAMINER

1.

Dr. Jeyaraj
6/5/2023



2.

Date:

A project report on
***ANALYSIS OF CHANGES IN GLOBAL AIR TEMPERATURE AND PRECIPITATION
USING IMAGES GENERATED BY THE IPCC INTERACTIVE ATLAS***

Submitted to

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in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF SCIENCE IN PHYSICS

Submitted by

FEBIN FATHIMA P.P

(Reg. No: 200021037628)

Under the Supervision and Guidance of

Dr. SNEHA SUSAN MATHEW



DEPARTMENT OF PHYSICS

HENRY BAKER COLLEGE MELUKAVU

MAY 2023



DEPARTMENT OF PHYSICS

HENRY BAKER COLLEGE MELUKAVU

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HEAD OF THE DEPARTMENT

Ademi
Dr. Jincy Devasia
Asst Prof
Dept of Physics

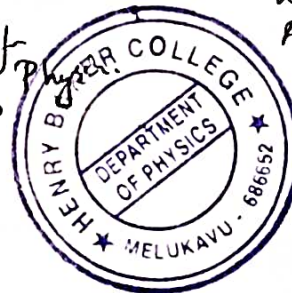
SUPERVISOR

[Signature]
Dr. Sneha Susan Mathew
Asst. Prof., Department of Physics

EXAMINER

1.

[Signature]
6/5/2023



2.

Date:

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***ANALYSIS OF CHANGES IN GLOBAL AIR TEMPERATURE AND PRECIPITATION
USING IMAGES GENERATED BY THE IPCC INTERACTIVE ATLAS***

Submitted to

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BACHELOR OF SCIENCE IN PHYSICS

Submitted by

JOMINIMOL JOHNY

(Reg. No: 200021037629)

Under the Supervision and Guidance of

Dr. SNEHA SUSAN MATHEW



DEPARTMENT OF PHYSICS

HENRY BAKER COLLEGE MELUKAVU

MAY 2023



DEPARTMENT OF PHYSICS
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HEAD OF THE DEPARTMENT

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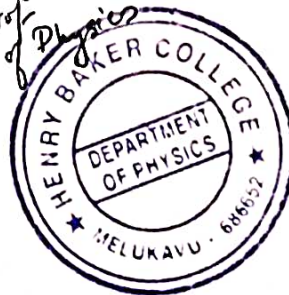
SUPERVISOR

Dr. Sneha Susan Mathew
Asst. Professor, Dept. of Physics

EXAMINER

1.

Dr. Jincy Devasia
25/2/2023



2.

Date: