A Study of Diffusion Using Random Walk
With variable jump probability

DISSERTATION SUBMITTED TO

MAHATHMA GANDHI UNIVERSITY

IN PARTIAL FULFILMENT TO THE REQUIREMENTS FOR THE

AWARD OF THE DEGREE OF BACHELOR OF SCIENCE

BY

ABHIRAMI A S

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PHYSICS FINAL SEMESTER

DEPARTMENT OF PHYSICS

THE COCHIN COLLEGE

COCHIN-2

CERTIFICATE

This is to certify that the project work entitled **"A Study of Diffusion Using Random Walk With variable jump probability"** is a bonafede record of Abhirami A.S (Reg. No:200021038215) done under the supervision of Dr. Jose Mathew (Assistant professor, Department of Physics), in the partial fulfillment of the requirement for the award of Bachelor of Science in Physics and no part of this project has been presented for any other degree or diploma for any other institution.

Asst. Prof. Dr. Jose Mathew

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DECLARATION

I hereby declare that the project entitled **"A Study of Diffusion Using Random Walk With variable jump probability"** is the original work carried out by me under the guidance of Dr. Jose Mathew (Assistant professor, Department of Physics) and no part of this project has been presented for any other degree or diploma for any other institution.

Abhirami A S

Place:Cochin-2

Date: 6|5|2023

Examiner   1:

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