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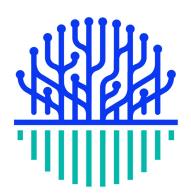
M.Tech Dissertation

by

Your Name
(Enrollment No. 22MXXXXX)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SCHOOL OF ENGINEERING
SIR PADAMPAT SINGHANIA UNIVERSITY
UDAIPUR 313601, INDIA

MAY, 2024

Thesis Title of the Mtech Degree

a Dissertation
Submitted in partial fulfillment of the requirements
for the award of the degree of

Master of Technology
in
Computer Science & Engineering
(Specialization)

submitted by

Your Name
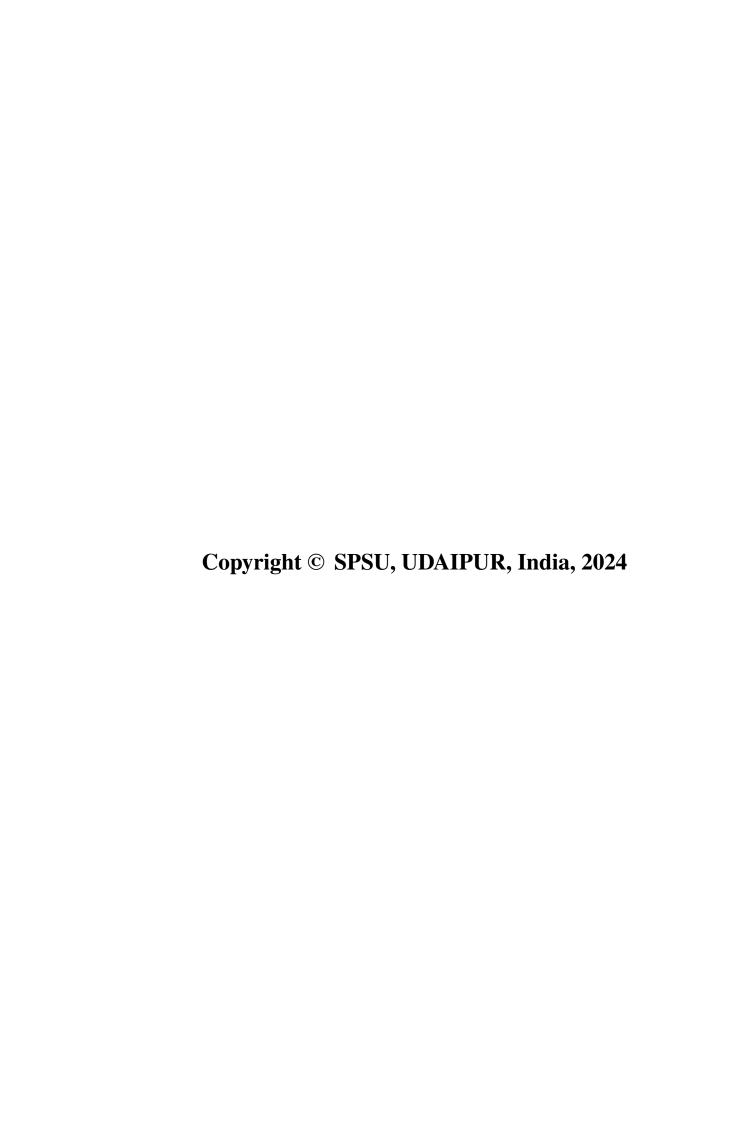**(Enrollment No. 22MXXXXX)**

Under the guidance of
Dr. Supervisor Name
and
Dr. Supervisor Name

to the

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SCHOOL OF ENGINEERING
SIR PADAMPAT SINGHANIA UNIVERSITY
UDAIPUR 313601, India

MAY, 2024

CERTIFICATE

I, **Your Name**, hereby declare that the work presented in this dissertation entitled **"Thesis Title"** in partial fulfilment of the requirements for the award of the Degree of **Master of Technology** in **Computer Science and Engineering** with specialization in **Specialization** and submitted in the **Department of Computer Science and Engineering** of the **Sir Padampat Singhania University, Udaipur** is an authentic record of my own work carried out during a period from **June 2023** to **May 2024** under the supervision of **Dr. Supervisor, Designation**, and **Dr. Supervisor, Designation, Computer science and Engineering Department**. The work presented in this dissertation has not been submitted by me for the award of any other degree of this or any other Institute/University.

Your Name
(Enrollment No.)

This is to certify that the above statement made by the candidate is true to the best of my knowledge and belief.

Dr. Professor Name
Designation
Computer science and Engineering Department

Place: Udaipur
Date:

The M.Tech Viva-Voce Examination of your name, Research Scholar, has been held on ....

Signature of Supervisor(s)   **Signature of Examiner**
Date: **Date:**   .

Acknowledgements

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Your Name

Abstract

Contents

List of Figures

List of Tables

List of Abbreviations

AC	Alternating Current
DC	Direct Current
EMF	Electromotive Force
HV	High Voltage
GAS	Global Asymptotic Stability
DG	Distributed Generation
MPC	Model Predictive Control

Chapter 1

Introduction

1.1   Section Heading

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1.1.1 Subsection Heading

Figure 1.1: Department of Computer Science and Engineering

1. Line 1

2. Line 2

   3. Line 3

1.2 Problem Statement & Objectives

1.2.1 Problem Statement

1.2.2 Objectives

In order to achieve this aim the following objectives have been laid,

(i)   Objective 1

(ii)   Objective 2

(iii)   Objective 3

(iv)   Objective 4

1.3 Structure of the Dissertation

The work carried out in this dissertation has been organized into five chapters and an overview of these chapters is given below,

Chapter 1: Introduction gives a brief summary of chapter.

Chapter 2: Literature Review centres on a comprehensive review of the literature related to the topic.

Chapter 3: Methodology adopted describes the methodology used to solve the problem.

Chapter 4: Results & Discussions chapter concentrates on the findings and simultion results.

Chapter 5: Conclusions & Future Scopes presents a comprehensive summary of the results obtained, along with suggestions for advancing this work.

Chapter 2

Literature Review

2.1 Section

2.1.1 Subsec

2.2 Table

Table 2.1: Table

Methods	Limitations
Method 1	• More time-consuming than other methods. • Results suffer from subjective judgments of the inspector.
Method 2	• Sensitive to the shape and size of the structure. • Needs highly careful attention during the test. • Limited to testing distance and the number of surfaces.
Method 3	• Impossible to test on structures that are out of the scanner's line of sight. • Implementation cost is high. • Sensitive to the environment for setting up of equipment.
Method 4	• Requires certain safety parameters due to hazardous ionising radiation. • Two-sided access to the structure is needed. • Relatively expensive testing equipment.
Method 5	• Sensitive to environment noises and illuminated conditions.

Chapter 3

Methodology Adopted

3.1 Equation

$$(a + b)^2 = (a)^2 + (b)^2 \qquad (3.1.1)$$

where, a, and b are the variables.

Chapter 4

Results and Discussion

Chapter 5

Conclusions and Future Scope

5.1   Conclusions

5.2   Future Scope

   (i) More detailed high-resolution thermal images can be implemented for better enhancement of important features.

  (ii) Other updated deep-learning algorithms can be implemented for better flaws identification.

 (iii) For improvement of the performance of the fusion algorithm with optimization techniques, other optimizers can be utilized.

List of Publications

International Conferences:

[1]

[2]

Preprints:

[1]

International Journals: (Submitted)

[1]

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