# HEART DISEASE PREDICTION USING OPTIMIZED SUPPORT VECTOR MACHINE

A project Report submitted to

# ANNAMALAI UNIVERSITY

## Annamalai Nagar – 608 002.

In the partial fulfilment of the requirement for the award of the degree of

## MASTER OF SCIENCE

## in

## INFORMATION TECHNOLOGY

**Submitted by**

**T. KIRUTHIGA**

**(Register No.:****23132016510622011)**

**Under the Guidance of**

**Dr. S. PRIYA, M.C.A., M.Phil., SET., NET., Ph.D.,**

**ASSISTANT PROFESSOR**

**DEPARTMENT OF INFORMATION TECHNOLOGY ARIGNAR ANNA GOVERNMENT ARTS COLLEGE VILLUPURAM – 605 602, TAMILNADU.**

## APRIL – 2025

**DECLARATION**

I hereby solemnly declare that this project entitled “**HEART DISEASE PREDICTION USING OPTIMIZED SUPPORT VECTOR MACHINE”** had been carried out in **Department of Information Technology, Arignar Anna Government Arts College, Villupuram – 605 602**. Under the guidance of **Dr. S. PRIYA, M.C.A., M.Phil., SET., NET., Ph.D.,** **Assistant Professor**, Department of Information Technology, **Arignar Anna Government Arts College, Villupuram**, with true and valid in all respect, it has not been already submitted earlier for M.Sc., (or) any degree at this (or) any other university.

## Signature

**(T. KIRUTHIGA)**

**(Reg.No.:23132016510622011)**

Place: **Villupuram**

Date:

**CERTIFICATE**

This is to certify that this project report entitled **“HEART DISEASE PREDICTION USING OPTIMIZED SUPPORT VECTOR MACHINE”** submitted by **T.** **KIRUTHIGA (Reg.No: 23132016510622011),** in the partial fulfilment of the requirement for the award of the degree of Master of Science in Information Technology in **Arignar Anna Government Arts College, Villupuram – 605 602**, affiliated to **ANNAMALAI UNIVERSITY, Annamalai Nagar – 608 002** is based on her studies under the supervision of **Dr. S. PRIYA, M.C.A., M.Phil., SET., NET., Ph.D.,** **Assistant Professor**, **Arignar Anna Government Arts College, Villupuram – 605 602**. It is further certified that this project has not formed the basis for the award of any degree/diploma/Associate ship/Fellowship or other similar title to any candidate of any university.

**Signature of the Guide Signature**

**Head of the Department**

## Date:

**Submitted for the Viva-Voce Examination on**

## EXAMINERS:

**1.**

## 2.

**ACKNOWLEDGEMENT**

**"The gracious deeds of the ALMIGHTY are beyond the words of compare**". With a warm heart, I thank GOD for giving me the strength and energy for completing this project work.

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**T. KIRUTHIGA**

**(Reg. No.: 23132016510622011)**