

# **Development of Telecardiology Based Clinical Healthcare System for Diagnosis of Heart Disease**

**A  
THESIS  
SUBMITTED TO**



**MAHARAJA RANJIT SINGH PUNJAB TECHNICAL  
UNIVERSITY BATHINDA (PUNJAB)**

**IN FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF**

**DOCTOR OF PHILOSOPHY  
IN  
ELECTRICAL ENGINEERING**

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**May, 2024**

## **CANDIDATE'S DECLARATION**

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I hereby certify that the work which is being presented in the thesis, entitled **“Development of Telecardiology Based Clinical Healthcare System for Diagnosis of Heart Disease”** in fulfillment of the requirements of the award of the degree of DOCTOR OF PHILOSOPHY in Faculty of Engineering and Technology and submitted in Maharaja Ranjit Singh Punjab Technical University, Bathinda is an authentic record of my own work carried out during a period from July 2017 to May 2024 under the guidance and supervision of Dr. Amit Kumar Manocha, Professor-EE & Director, Punjab Institute of Technology, GTB Garh, Moga, India (MRSPTU, Bathinda, India).

The matter presented in this thesis has not been submitted by me for the award of any other degree of this or any other University/Institute.

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

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**Signature of Supervisor**

**Signature of HOD**

**Signature of External Examiner**

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