

# Development of a Heart Disease Prediction Model using Artificial Intelligence

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**Abstract:** Research on the development and implementation of a Heart Disease Prediction Model has been done. The research focuses on developing a heart disease prediction model based on AI, which helps to predict the probability of a patient getting a heart disease by analyzing various medical parameters. The system is designed to enhance accuracy and reliability by using appropriate machine learning algorithms and data preprocessing techniques. The model has been trained and tested using heart disease datasets, and the results have shown that AI can be used to predict heart disease effectively, which helps healthcare professionals to choose the appropriate diagnosis. The system is aimed at enhancing diagnostic efficiency, reducing the need for unnecessary tests, and improving health outcomes..

**Keywords:** Heart Disease Prediction

