**“Prediction of heart disease using classification”**

***A***

***Project Report***

*submitted in partial fulfillment of the*

*requirements for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**in**

**COMPUTER SCIENCE & ENGINEERING**

**With Specialization in**

**Business Analytics and Optimization**

**By**

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**DEPARTMENT OF INFORMATICS**

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**December – 2019**

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**CANDIDATE’S DECLARATION**

I/We hereby certify that the project work entitled **“Prediction of heart diseases using classification”** in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING with specialization in Business Analytics and Optimization and submitted to the Department of Informatics at School of Computer Science, University of Petroleum & Energy Studies, Dehradun, is an authentic record of my our work carried out during a period from **August**, **2019** to **December, 2019** under the supervision of **Dr. Tanupriya Choudhury,** Associate Professor..

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

**( Shweta Rawat , Rahul Jain , Adarsh Mundra )**

**( R103217106 , R103217082 , R103217004)**

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

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_2019 Dr. Tanupriya Choudhury

Project Guide

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**ABSTRACT**

The heart disease accounts to be the leading cause of death worldwide. It is difficult for medical practitioners to predict the heart attack as it is a complex task that requires experience and knowledge. The health sector today contains hidden information that can be important in making decisions. Data mining here comes into picture. It is the process of discovering hidden patterns in large data sets according to different perspectives for categorization into useful information. Data mining enable the health sector to predict patterns in the dataset. In this project we will be applying one of the supervised technique that is classification on our dataset to find relationships between the available features and will classify the labels accordingly. Talking about classification when the true goal of our analysis is to predict to which class or group an observation belongs, the techniques we use are termed as classification techniques.

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