VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018

A PROJECT REPORT ON

"PREDICTING HEART DISEASE AND TYPE CLASSIFICATION"

Submitted in partial fulfillment of the requirements of the award of degree of

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING

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2018-2019

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CERTIFICATE

This is to certify that the mini-project report entitled **"PREDICTING HEART DISEASE AND CLASSIFYING ITS TYPE "** is a bonafide work carried out by **SADHANA B S** (4VV15CS094), **SHARMILA M** (4VV15CS100), **ASHOK KUMAR L** (4VV16CS401) and **RAEHAN KHAN** (4VV16CS417) students of 8th semester Computer Science and Engineering, **Vidyavardhaka College of Engineering, Mysuru** in partial fulfillment of the award of the degree of **Bachelor of Engineering** in **Computer Science & Engineering** of the **Visvesvaraya Technological University, Belagavi**, during the academic year **2018-2019**. It is certified that all the suggestions and corrections indicated for the internal assessment have been incorporated in the report deposited in the department library. The report has been approved as it satisfies the requirements in respect of mini-project work prescribed for the said degree.

Signature of the Guide	**Signature of the HOD**	**Signature of the Principal**
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1)

2)

ACKNOWLEDGEMENT

If words are considered as the tokens of acknowledges, then the words play the heralding role of expressing our gratitude.

With proud gratitude we thank God Almighty for all the blessings showered on us and for completing our project successfully.

We owe our gratitude to The Principal, **Dr. B Sadashive Gowda** for his whole hearted support and for his kind permission to undergo the project.

We wish to express our deepest gratitude to **Dr. Ravi Kumar V,** Head of Department, Computer Science and Engineering, VVCE, for his profound alacrity in our project and his valuable suggestions.

We wish to enunciate our special thanks to our paradigmatic and relevant Project coordinators **Prof. Jamuna, Prof. Ambika V** and **Prof. Harshitha K**, Assistant Professors in Computer Science and Engineering, VVCE and internal guide **Dr. T H Sreenivas**, Professor in Computer Science and Engineering, VVCE who gave us throughout our project period with their valuable suggestions and for devoting their precious time in making this project a success.

In the end, we are anxious to offer our sincere thanks to our family members and friends for their valuable suggestions, encouragement and unwavering support.

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ABSTRACT

One of the potentially fatal grievous disease is heart disease that can lead to either death or a serious lifelong impairment. It is estimated by a recent survey that approximately 17.5million people die every year due to heart disease. It is predicted that the death rate may increase upto 75 million in the year 2030. Medical diagnosis is one of the most important and difficult task to be done as it plays an important role in diagnosing disease accurately and efficiently. In order to obtain accurate results an automated computer oriented decision support system must be achieved. For this purpose machine learning algorithm can be used. Presently in the field of medical science the chance of predicting heart attack is around 67%, so doctors are in need of definite decision support system.

Medical prognosis plays imperative role and yet convoluted task that needs to be carried out productively and precisely. Nearly all the hospitals utilizes some hospital administration system to superintend medical help to patients. Tragically nearly all of the systems seldom employ the vast clinical reports where vital information is concealed. A system is introduced which predicts and diagnoses the disease using different features . Unambiguousness of the prediction degree is elevated when more number of attributes are used. The aim is to perform predictive analysis using machine learning algorithms. The purpose here is to develop an economical treatment using data mining techniques for expediting data base decision support system.

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