# PROFESSIONAL TRAINING REPORT

# At

# SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

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Submitted in partial fulfillment of the requirements for the award of

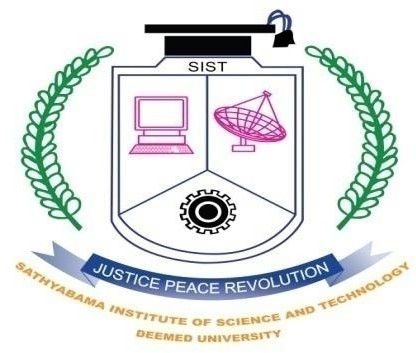
Bachelor of Engineering Degree in

Information Technology

By

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# DEPARTMENT OF INFORMATION TECHNOLOGY

# SCHOOL OF COMPUTING

**SATHYABAMA**

**INSTITUTE OF SCIENCE AND TECHNOLOGY**

**(DEEMED TO BE UNIVERSITY)**

**Accredited with Grade”A” by NAAC**

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**AUGUST 2019**

**DECLARATION**

I **YALAMANCHILI VENKATA SAI** (Reg. No. 37120085) hereby declare that the Project Report entitled “HEART DISEASE UCI” done by me under the guidance of **Ms JITHINA** **JOSE M.E(Ph.D),** is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology.

## DATE :

**PLACE : SIGNATURE OF THE CANDIDATE**

**ACKNOWLEDGEMENT**

The satisfaction and elation that accompany the successful completion of any task would be incomplete without the mention of the people who have made it possible. It is our great privilege to express our gratitude and respect to all those who have guided me during the course of my Professional Training.

First and foremost, we would express our sincere gratitude to our beloved Founder Chancellor **Col. Dr. JEPPIAAR, M.A., B.L., Ph.D., .** I extend my sincere thanks to our Chancellor **Dr. Mariazeena Johnson, B.E., M.B.A., M.Phil., Ph.D.,** andthe President **Dr. Marie Johnson, B.E., M.B.A., M.Phil., Ph.D.,** and for providing me the necessary facilities for the completion of the professional training. I also acknowledge our ViceChancellor **Dr. S.Sundar Manoharan Ph.D.,** and the ProViceChancellor **Dr. T. Sasipraba, M.E., Ph.D.,** for their constant support and endorsement.

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Also, I thank the **Almighty** and my **Parents** for supporting me in the completion of the professional Training.

# Training Certif

**ABSTRACT**

This database contains 76 attributes, but all published experiments refer to using a subset of 14 of them. In particular, the Cleveland database is the only one that has been used by ML researchers to this date. The "goal" field refers to the presence of heart disease in the patient. It is integer valued from 0 (no presence) to 4.This project is used to find whether the patient is having heart disease or not based on properties. Here we are using Supervised machine Learning Techniques to solve the dataset. In Supervised machine Learning we are using Classification Algorithms to solve the dataset.In classification we are using Algorithms like logistic Regression ,K Neighbours, Gaussian Naïve Bayes, Decision tree ,Random Forest .And we finding confession matrices and accuracy scores of each algorithm. And we are checking which algorithm is giving best accuracy and we will prefer that algorithm in future to find Heart Disease.

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