

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 3, Issue 1, January 2023

## **Heart Diseases Detection System**

Ms Lolakshi<sup>1</sup>, Gowthami K M<sup>2</sup>, Rashmi S K<sup>3</sup>, Sheekha<sup>4</sup>, Vaishnavi A S<sup>5</sup>

Assistant Professor, Department of Information Science and Engineering<sup>1</sup> Students Department of Information Science and Engineering<sup>2,3,4,5</sup> Alva's Institute of Engineering and Technology, Mijar, Mangalore, Karnataka, India

**Abstract:** Heart plays significant role in living organisms. Diagnosis and prediction of heart related diseases requires more precision, perfection and correctness because a little mistake can cause fatigue problem or death of the person. The prediction of heart disease is critically significant for diagnosis of diseases and treatment. The data mining techniques that can be applied in medicine, and in particular some machine learning techniques including the mechanisms that make them better suited for the analysis of medical databases. Heart disease is a significant problem in recent times; the main reason for this disease is the intake of alcohol, tobacco, and lack of physical exercise.

Keywords: Heart Diseases Detection System.

## REFERENCES

- [1]. Likhitha KN, Nethravathi. R, Nithyashree. K, Rithika Kumari, Sridhar N and Venkateshvaran K, "Heart Disease Detection using Machine Learning Technique," 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC), 2021, pp. 1738-1743, doi: 10.1109/ICESC51422.2021.9532705.
- [2]. Archana Singh and Rakesh Kumar, "Heart Disease Prediction Using Machine Learning Algorithms," 2020 International Conference on Electrical and Electronics Engineering (ICE3), 2020, pp. 452-457, doi: 10.1109/ICE348803.2020.9122958.
- [3]. P. Motarwar, A. Duraphe, G. Suganya and M. Premalatha, "Cognitive Approach for Heart Disease Prediction using Machine Learning," *2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)*, 2020, pp. 1-5, doi: 10.1109/ic-ETITE47903.2020.242.
- [4]. RahulKatarya and P. Srinivas, "Predicting Heart Disease at Early Stages using Machine Learning: A Survey," 2020 International Conference on Electronics and Sustainable Communication Systems (ICESC), 2020, pp. 302-305, doi: 10.1109/ICESC48915.2020.9155586.
- [5]. Jian Ping Li, A. U. Haq, S. U. Din, J. Khan, A. Khan and A. Saboor, "Heart Disease Identification Method Using Machine Learning Classification in E-Healthcare," in *IEEE Access*, vol. 8, pp. 107562-107582, 2020, doi: 10.1109/ACCESS.2020.3001149.
- [6]. Shah, D., Patel, S. & Bharti, S.K. Heart Disease Prediction using Machine Learning Techniques. *SN COMPUT. SCI.* **1**, 345 (2020).
- [7]. B. Keerthi Samhitha, M. R. Sarika Priya., C. Sanjana., S. C. Mana and J. Jose, "Improving the Accuracy in Prediction of Heart Disease using Machine Learning Algorithms," 2020 International Conference on Communication and Signal Processing (ICCSP), 2020, pp. 1326-1330, doi: 10.1109/ICCSP48568.2020.9182303.
- [8]. ApurbRajdhan, Avi Agarwal, Milan Sai, Dundigalla Ravi, Dr. Poonam Ghuli, 2020, Heart Disease Prediction using Machine Learning, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 09, Issue 04 (April 2020),
- [9]. Sameer S Yadav, Shivaji M Jadhav, S. Nagrale and N. Patil, "Application of Machine Learning for the Detection of Heart Disease," 2020 2nd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA), 2020, pp. 165-172, doi: 10.1109/ICIMIA48430.2020.9074954.
- [10]. Mangesh Limbitote, Dnyaneshwari Mahajan, KedarDamkondwar, Pushkar Patil, 2020, A Survey on Prediction Techniques of Heart Disease using Machine Learning, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 09, Issue 06 (June 2020).

## **IJARSCT**



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 3, Issue 1, January 2023