BAKLIWAL FOUNDATION
College of Arts, Commerce & Science

A

Project Report

On

Disease Prediction System

Submitted in partial fulfilment of the requirement for qualifying.

Bachelor of Computer Applications (BCA)
of
Kavi Kulaguru Kalidas Sanskrit University

Submitted by

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Vashi.

BATCH: 2022-2025

Kavi Kulguru Kalidas Sanskrit Vishwavidyalaya's

Bakliwal Foundation College of Arts, Commerce & Science

Vashi.

CERTIFICATE

This is to certify that the project entitled **Disease Prediction System** undertaken at the PCP Center: **Bakliwal Foundation College of Arts, Commerce & Science, Vashi, Navi Mumbai** by **Miss. Sakshi Sugat Kadam** holding **Seat No. (PRN NO) 2022018100095786** Studying **Bachelor of Computer Applications** Semester -VI has satisfactorily completed as prescribed by the Kavi Kulguru Kalidas Sanskrit University, during the year 2024 – 2025.

Project In-Charge **Co-ordinator**

External Examiner

Internal Examiner **Principal**

DECLARATION

I hereby declare that the project entitled, "**Disease Prediction System**" done at **place where the project is done**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfilment of the requirements for the award of degree of **BACHELOR OF COMPUTER APPLICATION** to be submitted as final semester project as part of our curriculum.

Sakshi Sugat Kadam.

Acknowledgment

I would like to express my heartfelt gratitude and appreciation to all those who have contributed to the successful completion of my project titled **"Disease Prediction System"**. Their support, guidance, and encouragement have been instrumental throughout this journey. First and foremost, I extend my sincere thanks to my supervisor, **Prof. Divya Patil & Prof. Ankit Shrivastav**, for her continuous support, motivation, and valuable guidance. Her expert insights and timely suggestions helped shape the direction and depth of this project and ensured its successful completion. I am deeply grateful to the faculty members of the BCA program at PCP Centre: Bakliwal Foundation College, Vashi, Navi Mumbai for imparting extensive knowledge and fostering a strong academic foundation. Their dedication to teaching, practical sessions, and challenging assignments have played a significant role in developing my technical skills and problem-solving abilities. I am also thankful to all the individuals who helped during the research phase of this project. Their willingness to share their knowledge and experiences related to medical symptoms and healthcare systems has been incredibly valuable in enhancing the relevance and functionality of the project. My heartfelt thanks go out to my friends and family for their constant encouragement, patience, and belief in my capabilities. Their unwavering support has been a pillar of strength during challenging phases. Additionally, I would like to acknowledge the support of my peers and colleagues whose suggestions, constructive feedback, and discussions enriched the development process and helped improve the quality of the system. Last but not the least, I express my gratitude to the library staff and online resources which provided access to a wide range of reference materials, research papers, and datasets. These resources played a key role in ensuring that the project was data-driven, practical, and informative.

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Sakshi Sugat Kadam.

1. Abstract

The **Disease Prediction System** is a web-based application designed to analyze a user's selected symptoms and predict possible diseases. In today's fast-paced world, access to instant health insights has become crucial. With the rise in chronic and infectious diseases, early detection can significantly impact the effectiveness of treatment. This system helps users understand what potential illness they might be facing based on a comprehensive dataset of diseases and symptoms.

This project uses a modern front-end built with HTML, CSS, and JavaScript, enhanced with responsive design and animations. The backend, powered by a rule-based or ML-based model, processes symptom inputs and maps them to the most probable diseases. The system also suggests precautionary measures and encourages users to consult medical professionals for a definitive diagnosis.

The objective of this project is not to replace doctors but to support users by providing accessible, informative, and quick health insights based on symptom data. With future enhancements like AI integration and real-time data tracking, the system can become a more powerful tool in preventive healthcare.

Sakshi Kadam.

Disease Prediction System

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