

DEPARTMENT OF TECHNICAL EDUCATION



KLE SOCIETY'S

C. B. KORE POLYTECHNIC, CHIKODI-591201.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that this project report entitled "**DISEASE PREDICTION & DOCTOR RECOMMENDATION**" which is being submitted by **Mr. Puneet Pammannavar** **Reg. No 339CS20019**, bonafide student of **Chidanand B. Kore Polytechnic** in partial full fill meant for the award of **Diploma in Computer Science and Engineering** during the year **2022-23** is record of student's own work carried out under my/our guidance. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated in the Report and one copy of it being deposited in the polytechnic library.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said diploma.

It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn there in but approve the project only for the purpose for which it is submitted.

Prof. S.S. KHOT

Prof S. P. KAPALI

Prof D.D BILLUR

Guide

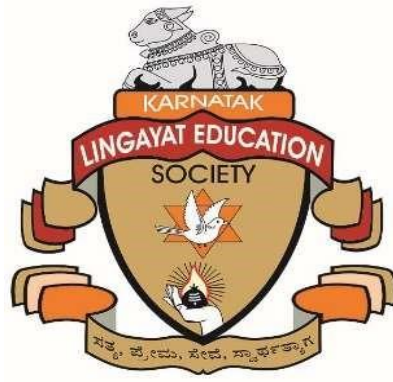
Head of Department

Principal

Name and signature of Examiner

1. _____

2. _____



**KLE SOCIETY'S
CHIDANAND B. KORE POLYTECHNIC,
CHIKODI.**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

Certified that this project report "DISEASE PREDICTION & DOCTOR RECOMMENDATION " is the bonafide work of **Mr. Puneet Pammannavar** bearing **Register No: 339CS20019** of this institution who carried out the project work under my supervision.

(Prof. S.S. KHOT)

Project Guide

(Prof. S. P. KAPALI)

Head of Department

CANDIDATE'S DECLARATION

I **Puneet Pammanavar** the student of the Diploma in Computer Science and Engineering Department bearing Register Number **339CS20019** of **KLE Society's CHIDANAND B. KORE POLYTECHNIC CHIKODI**, hereby declare that I owe full responsibility for the information, results, and conclusions provided in this project work titled **“DISEASE PREDICTION & DOCTOR RECOMMENDATION”** submitted to the **Board of Technical Examinations, Government of Karnataka** for the award of a Diploma in Computer Science and Engineering. To the best of my knowledge, this project work has not been submitted in part or full elsewhere to any other institution/organization for the award of any certificate/diploma/degree. I have completely taken care to acknowledge the contributions of others in this academic work. I further declare that in the event of any violation of intellectual property rights and particulars declared, found at any stage, I, as the candidate, will be solely responsible for the same.

Date:

Puneet Pammanavar

Place: Chikodi

Reg No 339CS20019

ACKNOWLEDGEMENT

I want to thank my mentor, Miss Sarita Khot, Sanju Kapali Head of Department of Computer Science and Engineering, from the bottom of my heart for starting an exciting study, for his personal dedication, for engaging discussions, and for her insightful advice. He has consistently supported me throughout the job and provided insightful direction and oversight.

I want to extend my heartfelt gratitude to Prof. Darshankumar Billur, Principal of the K.L.E Society's C. B. Kore Polytechnic, and HOD Mr. Sanju Kapali, Associate Professor Department of Computer Science and Engineering, for your insightful ideas.

I would also want to express my gratitude to the entire Department of Computer Science and Engineering team for their kind cooperation in helping us to successfully finish the seminar. I want to thank all of my friends and classmates for your unwavering assistance and encouragement during the seminar.

I want to use this occasion to thank each and every one of my group members. Without their assistance and contributions, the project would not have been accomplished.

Without acknowledging my adored parents, whose blessings and affection have helped me get to where I am today, the acknowledgements would not be complete. I appreciate the support from each and every member of our family.

Puneet Pammanavar

EXECUTIVE SUMMARY

Disease prediction and doctor recommendation systems have become increasingly important in the healthcare industry. This executive summary provides an overview of a web-based solution that utilizes PHP, MySQL, JavaScript, HTML, CSS, and Bootstrap to implement disease prediction and doctor recommendation functionalities. These technologies enable the development of an intuitive and interactive platform for users to assess their disease risks and find suitable healthcare providers.

Key Features and Functionality:

The disease prediction and doctor recommendation system developed using PHP, MySQL, JavaScript, HTML, CSS, and Bootstrap encompasses the following key features:

User Registration and Profile Management: The system allows users to create accounts, providing essential personal information and medical history. Users can update their profiles and securely manage their data.

Disease Risk Assessment: The system incorporates machine learning algorithms to analyse user-provided information, including demographics, lifestyle choices, symptoms, and medical history. Based on these inputs, the system predicts the likelihood of developing specific diseases.

Doctor Recommendation: Using intelligent algorithms, the system suggests suitable healthcare providers based on the predicted disease risks and the user's location. It considers factors such as doctor's specialty, experience, patient reviews, and availability.

Interactive User Interface: The web-based platform features a user-friendly interface implemented using HTML, CSS, and Bootstrap. It offers an intuitive design, seamless navigation, and responsive layouts for optimal user experience across different devices.

Secure Data Management: The system employs MySQL as a database management system to store user data securely. It incorporates robust authentication and encryption mechanisms to protect sensitive information.