**ABSTRACT**

Machine learning focuses on the development of computer programs that can access data and use it learn for themselves. Machine learning is closely related to computational statistics, which focuses on making predictions using computers. CURIS: The Disease Prediction system is based on predictive modelling, which predicts the diseases of the user. The disease prediction system has three users such as doctor, patient and admin. Each user is authenticated by the system, there is a role-based access to the system. The system allows the patient to give symptoms. On the basis of the given symptoms, the system analyses the symptoms runs multiple algorithms and gives the probability of the occurrence of a disease as an output. Disease prediction is done by using classification algorithms, the classifier calculates the probability of the disease and adds the accuracy score. The system also suggests doctors for predicted disease, where the user can consult with the doctor at their convenience by sitting at home.

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**ACKNOWLEDGEMENT**

Any achievement, be it scholastic or otherwise does not depend solely on the individual efforts but on the guidance, encouragement and cooperation of intellectuals, elders and friends. A number of personalities, in their own capacities have helped us in carrying out this project work. We would like to take this opportunity to thank them all.

First and foremost, we would like to thank **Dr. K Channakeshavalu**, Principal, EWIT, Bangalore, for his moral support towards completing our project work.

We would like to thank, **Dr. Suresh M B,** Professor and Head of Department of ISE, EWIT, Bangalore, for his valuable suggestions and expert advice.

We deeply express our sincere gratitude to our guide **Mrs. Shruthi T V,** Asst. Prof Department of ISE, EWIT, Bangalore for her able guidance throughout the project work and guiding us to organize the report in a systematic manner.

We thank my Parents, and all the faculty members of Department of Information science & Engineering for their constant support and encouragement.

Last, but not the least, we would like to thank our peers and friends who provided us with valuable suggestions to improve our mini project.

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