# PREDICTIVE ANALYSIS OF CRICKET

**A MINI PROJECT REPORT**

***Submitted by***

### K.Srichandana G.Sri Harsha G.Vasavi

**17RH1A05B7 17RH1A0569 17RH1A0571**

***Under the Esteemed Guidance of***

# Mr.Sharma

***in partial fulfillment of the Academic Requirements for the Degree of***

# BACHELOR OF TECHNOLOGY

**Computer Science And Engineering**



## MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

##### (Autonomous Institution, UGC, Govt. of India)

**Permanently Affiliated to JNTUH, Approved by AICTE, ISO 9001:2015 Certified Institution Accredited by NBA &NAAC with ‘A’ Grade UGC, Govt.of India**

**NIRF Indian Ranking–2018, Accepted by MHRD, Govt. of India**

**AAA+ Rated by Careers 360 Magazine, National Ranking-Top 100 Rankband by Outlook Maisammaguda, Dhullapally, Secunderabad, Kompally-500100**

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Maisammaguda, Dhulapally (Post Via Hakimpet), Secunderabad – 500100

## Department of Computer Science and Engineering DECLARATION

We hereby declare that the Mini Project entitled “**CHRONIC KIDNEY DISEASE ANALYSIS USING MACHINE LEARNING**” submitted to Malla Reddy Engineering College for Women affiliated to Jawaharlal Nehru Technological University, Hyderabad (JNTUH) for the award of the Degree of Bachelor of Technology in Computer Science and Engineering is a result of original research work done by us.

It is further declared that the Mini project report or any part thereof has not been previously submitted to any University or Institute for the award of Degree.

**K.SRICHANDANA (17RH1A05B7)**

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# Department of Computer Science and Engineering

# CERTIFICATE

This is to certify that the Mini Project work entitled “**CHRONIC KIDNEY DISEASE ANALYSIS USING MACHINE LEARNING**” is carried out by K.Srichandana (17RH1A05B7), G.Sri Harsha (17RH1A0569), G.Vasavi (17RH1A0571), in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in Computer Science And Engineering, Jawaharlal Nehru Technological University, Hyderabad during the academic year 2019-2020.

# Supervisor’s Signature Head of the Department

# ABSTRACT

Chronic Kidney Disease is a serious lifelong condition that induced by either kidney pathology or reduced kidney functions. Early prediction and proper treatments can possibly stop, or slow the progression of this chronic disease to end-stage, where dialysis or kidney transplantation is the only way to save patient's life. In this study, we examine the ability of several machine-learning methods for early prediction of Chronic Kidney Disease. This matter has been studied widely; however, we are supporting our methodology by the use of predictive analytics, in which we examine the relationship in between data parameters as well as with the target class attribute. Predictive analytics enables us to introduce the optimal subset of parameters to feed machine learning to build a set of predictive models. This study starts with 24 parameters in addition to the class attribute, and ends up by 30 % of them as ideal sub set to predict Chronic Kidney Disease. A total of 4 machine learning based classifiers have been evaluated within a supervised learning setting, achieving highest performance outcomes of AUC 0.995, sensitivity 0.9897, and specificity 1. The experimental procedure concludes that advances in machine learning, with assist of predictive analytics, represent a promising setting by which to recognize intelligent solutions, which in turn prove the ability of predication in the kidney disease domain and beyond.

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# With Regards and Gratitude

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