

**NEURAL NETWORK-BASED APPROACH FOR  
PREDICTING THE PERFORMANCE OF PLAYERS TO  
ASSIST TEAM SELECTION IN CRICKET.**

R M Lankeshwara

189332N

Degree of Master of Science

Department of Computer Science and Engineering

University of Moratuwa

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Dissertation submitted in partial fulfilment of the requirements for the degree Master  
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## DECLARATION

I declare that this dissertation does not contain anyone else's work or material previously submitted for any academic degree or Diploma in any other University or institute to the best of my knowledge. If so they have incorporated with acknowledgements.

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Name: R.M Lankeshwara

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The above candidate has carried out research for the Masters Dissertation under my supervision



Signature of the supervisor: .....

Date: ...2021-05-31.....

Name: Dr. Charith Chtraranjan

## **ACKNOWLEDGEMENT**

I would like to convey my genuine appreciation to my supervisor Dr. Charith Chtraranjan for his efforts, continuous supervision and assistance. I consider myself extremely fortunate to have him as my supervisor, his guidance helped to improve my research. His support led me to complete this research successfully.

I also wish to appreciate all my friends for their continuous assistance and encouragement which was given to me during the course of completing this research.

Finally, and most importantly, this wouldn't have been possible without the love and support of my family. This would not have been possible without their continuous of love, support over past few years. I am grateful to my family for believing in me, during this period which motivated me to successfully complete the research.

## **ABSTRACT**

Player performance in international sports has become a heavily investigated field over the past few years. Although it was known to be a hard problem to solve but with the rise of Machine Learning this has become one of the more heavily investigated areas. When it comes to cricket, IPL has become one of the most popular competitions around the world. As a result of that considerable number of research has been done for IPL as well. The objective of this study is to analyse and predict the performance of players in IPL and aid the selection process of the final team. In this research Neural network is used to predict performances of players based on physical characteristics of the player and the opposition players

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