



**INFORMATICS
INSTITUTE OF
TECHNOLOGY**

INFORMATICS INSTITUTE OF TECHNOLOGY

In Collaboration with

UNIVERSITY OF WESTMINSTER

**NATIONAL BASKETBALL ASSOCIATION MATCH WINNING
PREDICTION BASED ON OVERALL TEAM PERFORMANCE MODEL**

Final Report

by

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Abstract

Through the use of this study, our objective is to deliver to accurate results for predicting who will win NBA matches. In this area, there is a wealth of prior research, all of which suffers from significant methodological limitations. The fundamental objective of this research is to develop a reliable model that can produce results with a high degree of precision. Research into a variety of models and methods of machine learning is necessary in order to establish what, if anything, has been done up to this point in order to predict the results of NBA games. After conducting an in-depth analysis of the data, the system model was developed using Python in conjunction with a variety of different machine learning strategies.

Keywords: National Basketball Association , NBA Outcomes, Prediction Systems