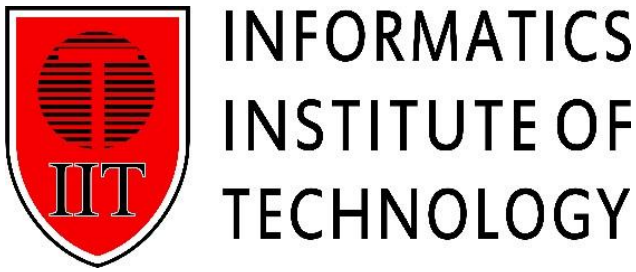

INFORMATICS INSTITUTE OF TECHNOLOGY

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SOCPRED : An Ensemble Approach to Predict Match Outcomes of Scottish Premiership

A Dissertation by

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Abstract

Soccer is the most widely played sport on the planet. It is a team sport in which an 11-player team competes against another 11-player team on a field. Soccer is governed by the FIFA organization, which controls various worldwide leagues. There are many soccer tournaments around the world, including club tournaments and international competitions. Predicting soccer match outcomes is interesting for bettors, analysts and soccer fans. There are quite a few studies that have done to predict soccer match outcomes in the past. But existing researches have few research gaps and this study will address those research gaps.

This study will be focused on Scottish Premiership which is a league competition in Scotland. The machine learning model will be using a dataset created by the author since some of the features weren't available in existing datasets. Further, Untested ensemble algorithms will be used to build the machine learning model.

Keywords: Soccer, Machine learning, Ensemble learning, Scottish Premiership,