

Abstract

The objective of this project is to create an automatic football commentary system with the use of imaging, pattern recognition and tracking technologies, image to text conversion, text to voice output functions, and machine learning (especially deep learning) techniques. Results of the study will give a real-time automatic football commentary system with some original contributions in terms of good research papers in international archival academic journals and conferences. The targeted voice output is in Cantonese, however the investigated technologies should be useful for any language. The research work can also be extended to the use of IoT sensor in 5G for training football players.