Report:

Decisions has to be taken on ground based on what they observed. Hence its prone to error. The uncertainties associated with the human judgement can be overcome by AI driven detection and tracking of cricket balls.

In this work, the results paper titled “TrackNetV3: Enhancing ShuttleCock Tracking with Augmentations and Trajectory Rectification” has been used. This paper mainly deals with shuttlecock tracking. It is lightweight, often can be blurry. And also its rapid in motion. TrackNetV3 contains two modules, One is for predicting the trajectory and other is for rectification. Sometimes shuttlecock cannot be detected, but the trajectory is predicted using the frames where the ball is detected. Assuming that these features would be useful for cricket ball detection and tracking, the pre-trained models from the paper is used directly. Most of the cases its detected and tracked. Please check this link:https://github.com/qaz812345/TrackNetV3/tree/master. I followed the instructions under heading ‘Inference’.

Results:

Balls are detected and tracked, except 1,2,3,and 11. For 2,3,and 11 color of ball is red. Assuming that its could be one reason.