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AUTOMATIC CRICKET MATCH HIGHLIGHTS GENERATOR

ABSTRACT

A Research on viewership by International Cricket Council briefs that India constitutes more than 90 percent of one billion cricket fans. We know that more than 75% of the people in India watch cricket matches. Board of Control for Cricket in India research shows that people in India spend more than 2 hours a day watching matches during Indian Premier League. Duration of cricket matches vary according to different terms of cricket. People who are unable to watch full matches adapt themselves to view the highlights telecasted later. The term Highlight means an outstanding part of an event or period of time. In cricket, highlights refer to fours, sixes, wickets, milestones, drop catches. Generating highlights for a cricket match manually involves several steps. It requires a dedicated person to watch the complete match and crop those clips which fall all under highlights and concatenate them. This takes a longer time and more human effort. This Automatic Cricket Match Highlights Generator is developed with a vision of generating Cricket match highlights automatically given an Full Cricket Match video as input. This Generator is developed using 2 approaches. First approach is to extract clips which have energy levels more than a certain threshold. People in the stadium or commentators shout or raise their voices during particular events which may be considered highlights. The second approach is based on the changes that occur in the bottom scorecard. The scorecard is monitored in each frame and when there is change of more than 4 runs or an increase in wicket section, it is considered as a highlight and those clips are extracted.Thus this Generator reduces various human efforts, both monetary and physical, involved in generating highlights and delivers efficient results.

Date:

Signature(s): 1.

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    2.

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