**CSE2004 J-COMPONENT**

**FACULTY: PROF. MURALI S**

***GROUP MEMBERS***

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**TOPIC:** Cricket Tournament Database Using SQL

**SOFTWARE:** SQLPlus

**ABSTRACT: -**

Cricket is undoubtedly the most popular sport in India. Having grown up with the sport as a staple we decided to create a database and manage it using SQL for an imaginary cricket tournament. There will be different tables for Players, Matches and Teams.

The Players wills identify as batsmen, bowlers or both. Batsmen will have Runs Scored and Balls Taken. On that basis Strike Rate and Average may be calculated by the system. In addition to all this seperate tables may be maintained for a batsman's efficiency while chasing vs his efficiency while batting first. For a bowler, number of balls bowled in his career, wickets taken and runs conceded will be recorded. On the basis of that, a bowler's strike rate, average, economy rate etc. can be found out.

⁠⁠⁠ In future reviews we may include other complex statistics such as the team's winning percentage when a particular player scores a certain number of runs or takes certain number of wickets. In addition players may be given points based on their performances through batting, bowling and/or fielding. And then they may be rated in a list to see who the overall best player of the tournament is.

A lot of the above data will be linked to the Matches table which will contain details about the different match.

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⁠⁠⁠ Team details will include the players, the captain, the coach etc. It will also include the team’s performance in the tournament and the position that they reach. Other interesting statistics such as a team's run rate in the first 10 overs vs their run rates at the death (last 10 overs) would reveal the strategies of individual teams: whether they go all out from the start or increase their runrate in the end.