

Computer Engineering Department, SVNIT, Surat
B.Tech- II Database Management System
Tutorial-2
(E-R Diagrams)

U19CS001 to U19CS030 and U19CS061 to U19CS090	Question 1
U19CS031 to U19CS060 and U19CS091 to U19CS123	Question 2

1. Design an E-R diagram for keeping track of the statistics of your favourite cricket team. You should store the matches played, the scores in each match, the players in each match, player statistics for each match, and player information. Your player statistics for each match should contain information such as total balls faced, runs scored, overs bowled, wickets taken, catches taken by each player, etc.
2. The flight database stores details about an airline's fleet, flights, and seat bookings. Consider the following requirements list and draw an E-R diagram for that.
 - The airline has one or more airplanes.
 - An airplane has a model number, a unique registration number, and the capacity to take one or more passengers.
 - An airplane flight has a unique flight number, a departure airport, a destination airport, a departure date and time, and an arrival date and time.
 - Each flight is carried out by a single airplane.
 - A passenger has given names, a surname, and a unique email address.
 - A passenger can book a seat on a flight.