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Course – CST8215

Course Code – 301

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**Introduction/ Abstract of Database**

The Board of Control for Cricket (BCCI) in India is the national cricket board in India. They are responsible for holding national and international cricket matches in India.

They also record data of players including their roles, teams for which they play, place of birth, and manager who assign them for different teams. Provinces for which players play also recorded and during international team selection, these recorded stats play a major role as this data shows which player is in-form and off-form.

**Business Rules**

* **Player**

1. A player requires a unique Id number, not greater than 1000.
2. A player can take any retired player’s sport number.

* **Team**

1. Each state can have only one team.
2. A team can have a maximum of 17 players, 11 playing and 6 substitutes.
3. A player must be in a team.
4. Each team can have one and only one manager.

* **Role**

1. More than one player can have the same role in their respective team.
2. A player can have only one role.

* **Manager**

1. Each manager should have a unique id.
2. A manager can manage only one team at a time.
3. A manager can assign more than one player to their respective team.

* **Province**

1. It is not necessary for a province to play the sport.
2. More than one player could have the same province.
3. Any player from another province can play for other team.

**Logical ER Diagram**

**Diagram

Description automatically generated**