4TH NATIONAL ABILYMPICS – 2014 CHANDIGARH

VOCATIONAL SKILLS CONTEST   **ABOVE 15 YRS.**

V08 – DATA PROCESSING - ADVANCED

1.   **OBJECTIVE**

Create a website www.cricketinfo.com, which will have information about cricket teams, players and matches. To run this website we want to create a database from where we can show the data on the website.

Given:
Assume that data related to every team, player and match (past and present both) is provided to you. But it is in raw format, i.e. no scheme is associated with the data. For some simplicity you can assume that matches are 50 over matches only. But adding support for other type of matches like test matches may get you some bonus :)

2.   **TASK**

1. Create a sample database from this data. You are free to choose any scheme. You can choose whatever information you want to store in your scheme but it should be able to answer following questions:

    i.   Current details of a running match (like runs scored, wickets, overs)

    ii. Final details of an old match (like teams playing, who won and snapshot of final details like run, wicket etc)

    iii. Team details. (like team members of a current match or an old match) player details (like name, age, current average, wickets taken etc.)

2. Create an interface over this database to add entries like match, team and player details. Note that both the present and past details can be added.

3.   **SAMPLE QUESTIONS TO HELP OUT SCHEME DESIGN**

1. Print out list of currently playing matches.

2. Print out team members along with their current batting average of India's last match against England.

3. Print out India's record in this year (record means wins, loss and draws against any other team).

4. Print out details of the player with highest wickets in our database 4.   **SOFTWARE**

The following compilers will be loaded for database creation: -
- Microsoft Excel
- MS - Access

5. **WORK ENVORONMENT**

Machines will be placed on tables. In case of special working conditions requirement, the same should be asked for 24 hours prior to the contest.

6. **ALLOCATED TIME**

Maximum time 3 hrs

7. **EVALUATION CRITERIA**

Assessment of the skill of the participants will be based on the final work produced.

Items to be Evaluated	Maximum Marks Allotted
Relations between tables and flexibility to add new details *	30
Supports retrieval of historical data	5
Supports test matches as well	5
Answers the sample question correctly	25
Software features used	10
Constraints/Data types used correctly	10
User friendly interface to add entries in the database	15
Total Marks	**100**

*Ease of addition of a new field for man of the match for any match