**National University of Computer and Emerging Sciences**



Database Project Proposal

**Reincarnation of ESPNCricInfo**

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# **Introduction**

We are pleased to announce the return of ESPNCricInfo, a vibrant website catering to cricket fans worldwide. Packed with an incredible amount of features, such as the most recent news, in-depth statistics, and wide coverage, this cutting-edge tool is a must for any fan of cricket. Moderators can effortlessly manage and edit player profiles and cricket match schedules for both local and international leagues using ESPNCricInfo (Reincarnated). Adopting an open-source methodology, this platform is user-friendly for all, guaranteeing public access to cricket records for the benefit of the global cricket community.

# **Functionalities**

The following section contains all the functionalities proposed for this project.

## Admin Log In (Admin)

Only admins are allowed to validate this form, this part is specified for the moderator to access, manage, delete or update the record at database level without any layers. This part of the program will handle create, update and delete.

## Sign Up/ Sign In (Users)

Users who are willing to read the data from the databases, will be maintained in this layer of the program, they are restricted to only read the data, as the layer would not allow the authenticated users to manipulate the data.

## News/Daily Articles/Analysis (Admin/User)

Users can read this part and can also contribute to the articles, this part/feature is helpful in maintaining the news’ and records’ of the teams, and this part can do reading and updating (with authentication) to the users.

## Players Profile (User)

Users can access the players stats, records, previous teams, and everything related to him/her.

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## Teams Profile (User)

Users can access the teams stats, records, home grounds, coaches and everything related to the team.

## Domestic Cricket Fixtures (User)

This part of the database will manage the upcoming events and fixtures of domestic and departmental matches of the team.

## International Cricket Fixtures (User)

This part of the database will manage the upcoming events and fixtures of leagues, events, meetings and matches of the team. There will be a page to manage the upcoming leagues, world cups, bilateral and trilateral series of all teams in the database, this is also another reading feature.

## Records (User)

Record feature highlights outstanding cricket feats, such as top scores and leading wicket-takers, providing users with the ability to monitor and contrast noteworthy accomplishments in the game.

## Add Player/Team (Admin)

This feature is for adding features of the players, emerging players or the players registered in leagues and international cricket. Admin can also add new teams like local and international (associate members).

## Update Players Record (Admin)

This feature guarantees precision and timeliness of player data by effortlessly facilitating manipulation and upkeep of player statistics and accomplishments in the database with a high level of engagement.

## Update Team Record (Admin)

This feature guarantees precision and timeliness of player data by effortlessly facilitating manipulation and upkeep of team statistics and accomplishments in the database with a high level of engagement.

## Update Umpire/Grounds/Miscellaneous (Admin)

This feature is for handling minute amounts of data like ground records, umpire, weather forecasts and other records. Admin can also manipulate the meta data and developer’s options are also in here.

| **OPERATION** | **FEATURE1** | **FEATURE2** | **FEATURE3** | **FEATURE4** | **FEATURE5** |
| --- | --- | --- | --- | --- | --- |
| Create | Add Player | Add Team | Add Fixtures | - | - |
| Read | Players Profile | Team Profile | Records | Fixtures | Articles |
| Update | Update Player | Update Team | Update Miscellaneous | Update Fixtures | - |
| Delete | Delete Player | Delete Team | Delete Fixture | - | - |