**Cricket Tournament Management System**

A project submitted to

**UKA TARSADIA UNIVERSITY**

in partial fulfilment of the requirements for the degree of

**Bachelor of Science**

in

**Information Technology**

for

**5 Years Integrated M.Sc. (IT)**

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**Bardoli – 394350**

**July 2022**

**CERTIFICATE**

This is to certify that **HARSHIL SHAH(201906100110091) & KALP SHAH(201906100110090)** has submitted project entitled **“Cricket Tournament Management System”** as the partial fulfilment for the award of the degree of Bachelor of Science in Information Technology for 5 Years Integrated M.Sc.(IT) in 2022 – 2023.

**Date: July,2022**

**Place: BMIIT**

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**Chapter 1: Introduction**

* 1. **Problem Definition:**

Today at many places Cricket Tournament is going on and their records are written manually and it can be damage. So to secure records the cricket tournament record system is introduce in application mode. That’s to reserve storage in device we bring this system online.

* 1. **Initial Requirement Document:**

|  |  |
| --- | --- |
| **Title of Project** | Cricket Tournament Management System |
| **Stakeholders** | Admin, User |
| **Techniques used for requirements capturing** | Interviewing And Brainstorming |
| **Name of the persons along with designation** | XYZ, Owner |
| **Date** | July ,2022 |
| **Versions** | 1.0 |
| **Consolidated list of Initial Requirements:**   1. Admin shall be able to login herself. 2. Admin shall be able to see players, teams, tournaments. 3. Admin shall be able to see player statistics. 4. Admin shall be able to delete tournaments. 5. User shall be able to login/register themself. 6. User shall be able to add teams, players, tournament. 7. User shall be able to update its profile. 8. User shall be able to update tournament. 9. User shall be able to delete tournament/matches. 10. Scorer shall be able to add, update scores. | |

* 1. **Project Objective.**
  2. **Product Scope.**

**Chapter 2: Overall Descriptions.**

**2.1** **Product Perspective/ Environment Description.**

**2.1.1 Hardware Interface/ Hardware Specification:**

|  |  |
| --- | --- |
| **Processor** | 1.60GHZ |
| **RAM** | 8GB |
| **Hard disk** | 1TB |

**2.1.1 Software Interface/ Software Specification:**

|  |  |
| --- | --- |
| **SOFTWARE** | Visual Studio |
| **WINDOWS VERSIONS** | Windows 7 or Higher |
| **FRONT-END** | HTML, CSS, Bootstrap, ReactJS |
| **BACK-END** | NodeJS, MongoDB, ExpressJS |

**Chapter 3: System Planning**

Diagram

Description automatically generated**3.1 Software Engineering Model: Spiral Model**

### **Why we use Spiral Model:**

### Software is produced early in the software life cycle.

### Flexibility in requirements. In this model, we can easily change requirements at later phases and can be incorporated accurately. Also, additional Functionality can be added later.

### It is good for large and complex projects.

### It is good for customer satisfaction. We can involve customers in the development of products at early phase of the software development. Also, software is produced early in the software life cycle.

### Strong approval and documentation control.

### It is suitable for high-risk projects, where business need .ay be unstable. A highly customized product can be developed using this.

**Chapter 4: System Specific Requirement**

**4.1 Functional Requirements:**

* **Login / Registration**
* **Player Statistics**
* **Manage Profile**
* **Manage Tournament**
* **Manage Match**
* **News**
* **Manage Score**

**Login / Registration:**

|  |  |  |
| --- | --- | --- |
| **RN** | **Description** | **Comments** |
| FR1 | System will first check username and password of the user and then allow the user to login into the system. | Login form |
| FR2 | System will provide new interface to a new user to register them self by tacking information like ….  Name, Gender, Address, City, State, Contact number, E-mail id, User id, Password | Login form  - Registration  +Registration form |
| FR3 | Once user is registered into the system, he/she able to change password if user want to forget the password.    System will send OTP through registered MAIL ADDRESS for user verification. | Login form  -forgot Password  + forgot Password form |
| FR4 | After admin login successfully he/she shall be able to manage Players, View Player Statistics, Manage Tournament, Manage Matches. | Admin home page |

**Player Statistics:**

|  |  |  |
| --- | --- | --- |
| **RN** | **Description** | **Comments** |
| FR1 | Register Player Should be able to view his current statistics. | Player statistics page |

**Manage Profile:**

|  |  |  |
| --- | --- | --- |
| **RN** | **Description** | **Comments** |
| FR1 | Registered user can view his profile ones he/she complete the login procedure. | User profile form |
| FR2 | Registered User can be able to update his profile after login if they want to update. | Update User profile form |

**Manage Tournament:**

|  |  |  |
| --- | --- | --- |
| **RN** | **Description** | **Comments** |
| FR1 | Player can be able to manage tournament like(add, update, delete, view). | Add Tournament page |

**Manage Matches:**

|  |  |  |
| --- | --- | --- |
| **RN** | **Description** | **Comments** |
| FR1 | Matches of registered tournament will be manage by match admin like(add, update, delete, view). | Add Match page |

**News:**

|  |  |  |
| --- | --- | --- |
| **RN** | **Description** | **Comments** |
| FR1 | After Login procedure user can be able to see new related to cricket. | User home form |

**Manage Score:**

|  |  |  |
| --- | --- | --- |
| **RN** | **Description** | **Comments** |
| FR1 | Scorer can be able to manage like(update, add) score of players and team. | User form |

**4.2 NON-FUNCTIONAL REQUIREMENTS:**

* **Usability:** The online gym management system has a very user-friendly interface and easy to operate, the function will be easy to understandable for each user.
* **Maintainability:** The application should be design in a maintainable manner. It will be easy to add new requirements in the any individual modules.

* **Data Security:** System will be password protected. User will have to enter correct user id and password to access the system.