**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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**Babu Madhav Institute of Information Technology**

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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:**
  2. **Initial Requirement Document:**

|  |  |
| --- | --- |
| **Title of Project** | Cricket Tournament Management System |
| **Stakeholders** | Admin, Manager, User |
| **Techniques used for requirements capturing** | Interviewing And Brainstorming |
| **Name of the persons along with designation** |  |
| **Date** | July ,2022 |
| **Versions** | 1.0 |
| **Consolidated list of Initial Requirements:** | |

* 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**
* **Manage User Statistics**
* **Manage Tournament**
* **Payment**

**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 | Registered user can view his profile ones he/she complete the login procedure. | User profile form |
| FR5 | Registered User can be able to update his profile after login if they want to update. | Update User profile form |
| FR6 | After admin login successfully he/she shall be able to manage employees, view attendance of member and staff, check health status: weight (increase/ decrease) and check gym trainer. | Admin home page |

|  |  |  |
| --- | --- | --- |
| **RN** | **DESCRIPTION** | **COMMENTS** |
| FR1 | Customer Should be able to make payment. | Payment page |

**PAYMENT:**

**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.

**Chapter 5: System Analysis**

**5.1 Use Case Diagram:**

**5.2 Activity Diagram:**

**Login Activity Diagram:**

**Diagram

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**Registration Activity Diagram:**

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**Forgot Password Activity Diagram:**

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**Payment Activity Diagram:**

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