**BASAVARAJESWARI GROUP OF INSTITUTIONS**



# BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

**AUTONOMOUS INSTITUTE UNDER VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

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**DEPARTMENT OF**

**ELECTRONICS & COMMUNICATION ENGINEERING**

**Internship Report on**

# “Youth Sports Registration Portal”

# For the course: Python

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**INTRODUCTION:**

**The Youth Sports Registration Portal! This platform is designed to streamline the registration process for young athletes and their families, making it easier than ever to get involved in sports programs. Whether you're signing up for soccer, basketball, swimming, or any other activity, our user-friendly interface provides all the information you need at your fingertips.**

**With features like easy online registration, secure payment options, and access to schedules and team updates, we aim to enhance your experience and foster a vibrant sports community. Join us in promoting teamwork, discipline, and fun through youth sports! Get started today and help your young athlete embark on an exciting journey of growth and camaraderie**

**OBJECTIVES:**

**To develop an intuitive and user-friendly online registration portal for youth sports that streamlines the registration process, enhances communication between participants, parents, and coaches, and fosters community engagement. The portal aims to:**

**1. Simplify Registration: Provide a seamless registration experience with easy navigation, clear instructions, and secure payment options.**

**2. Enhance Communication: Facilitate real-time updates and notifications regarding schedules, events, and important announcements to keep all stakeholders informed.**

**3. Promote Inclusivity: Ensure accessibility for all families, encouraging participation across diverse communities and offering various sports programs.**

**4. Manage Data Effectively: Collect and maintain accurate participant data for administrative purposes while ensuring compliance with privacy regulations.**

**5. Foster Engagement: Create a community space where families can connect, share experiences, and celebrate achievements, promoting a positive sports culture.**

**SYSTEM REQUIREMENTS:**

**< Functional Requirements**

**1. User Registration and Authentication**

**2. Registration Management**

**3. Team and Scheduling Management**

**4. Communication Tools**

**5. User Profiles**

**6. Reporting and Analytics**

**< Non-Functional Requirements**

**1. Usability**

**2. Performance**

**3. Security**

**4. Scalability**

**5. Integration:**

**6. Support and Maintenance**

**< Technical Requirements**

**1.Hosting and Infrastructure**

**2.Technology Stack**

**3.Content Management**

**< Testing and Quality Assurance**

**1.Functional Testing**

**2.Usability Testing**

**3. Security Testin**

**Algorithm:**

1. **User Registration/Login: Validate user data, create accounts, and manage sessions for parents/guardians and coaches.**
2. **Event Management: Admins can create and update events, specifying details like age group, dates, and fees.**
3. **Participant Registration: Users register children for events, validating age requirements and availability.**
4. **Payment Processing: Integrate with a payment gateway to securely handle registration fees and confirm payments.**
5. **User Dashboard: Provide a personalized dashboard for users to view registrations, edit profiles, and manage payments.**
6. **Notifications: Send confirmation emails and reminders for events, along with communication tools for users and admins.**

PYTHON CODE:

class YouthSportsRegistrationPortal:

def \_\_init\_\_(self):

self.registry = {}

def register\_player(self):

"""Register a player."""

name = input("Enter player name: ")

age = int(input("Enter player age: "))

sport = input("Enter sport (e.g., soccer, basketball): ")

contact\_info = input("Enter parent/guardian contact info: ")

self.registry[name] = {

"age": age,

"sport": sport,

"contact\_info": contact\_info

}

print(f"\nPlayer {name} registered successfully.\n")

def view\_registration(self):

"""View registration details."""

name = input("Enter player name: ")

if name in self.registry:

player = self.registry[name]

print(f"\nRegistration Details for {name}:\n")

print(f"Age: {player['age']}")

print(f"Sport: {player['sport']}")

print(f"Contact Info: {player['contact\_info']}\n")

else:

print("\nPlayer not found.\n")

def update\_registration(self):

"""Update registration details."""

name = input("Enter player name: ")

if name in self.registry:

player = self.registry[name]

print("\nChoose field to update:")

print("1. Age")

print("2. Sport")

print("3. Contact Info")

choice = input("Enter choice: ")

if choice == "1":

player["age"] = int(input("Enter new age: "))

elif choice == "2":

player["sport"] = input("Enter new sport: ")

elif choice == "3":

player["contact\_info"] = input("Enter new contact info: ")

else:

print("\nInvalid choice.\n")

print(f"\nRegistration for {name} updated successfully.\n")

else:

print("\nPlayer not found.\n")

def delete\_registration(self):

"""Delete registration."""

name = input("Enter player name: ")

if name in self.registry:

del self.registry[name]

print(f"\nRegistration for {name} deleted successfully.\n")

else:

print("\nPlayer not found.\n")

def main():

portal = YouthSportsRegistrationPortal()

while True:

print("Youth Sports Registration Portal\n")

print("1. Register Player")

print("2. View Registration")

print("3. Update Registration")

print("4. Delete Registration")

print("5. Exit\n")

choice = input("Choose an option: ")

if choice == "1":

portal.register\_player()

elif choice == "2":

portal.view\_registration()

elif choice == "3":

portal.update\_registration()

elif choice == "4":

portal.delete\_registration()

elif choice == "5":

print("\nExiting the program.\n")

break

else:

print("\nInvalid option. Please choose again.\n")

if \_\_name\_\_ == "\_\_main\_\_":

main()

**OUTPUT:**

CONCLUSION:

In conclusion, a well-designed youth sports registration portal is crucial for streamlining the process of organizing sports events and activities. It simplifies the registration process for parents, coaches, and sports organizations, making it easier to manage team rosters, schedules, and payments. With user-friendly features such as automated reminders, secure payment gateways, and real-time updates, the portal enhances communication between all parties involved, fostering a more organized and efficient sports environment.

Furthermore, the portal promotes inclusivity by allowing access to a broader range of youth participants regardless of location or time constraints. By providing a seamless experience, it encourages greater participation in sports, helping to foster teamwork, discipline, and physical health among young athletes. Overall, a youth sports registration portal is an essential tool for the growth and development of youth sports programs, ensuring a smooth and engaging experience for all users.