

# **Proposals**

**for the post of**

**General Secretary Sports and Games,  
Technology Students' Gymkhana,  
Indian Institute of Technology  
Kharagpur**

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Streamlining Attendance and Equipment Management to Expand Capacity: An Automated Solution

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# **Proposal 1**

## **Refining the Slot System**

### *Streamlining Attendance and Equipment Management to Expand Capacity: An Automated Solution*

#### **Overview**

The Slot Systems and Inventory Systems in various sports are facing challenges to accommodate a large number of players and keep track of the players. The proposal of keeping the facilities open till midnight and thereby extending the number of slots will solve the accommodation problem. The introduction of the Barcode Attendance System and the Barcode Inventory Issue System will help keep an efficient track of players' information & equipment issued, thereby not relying on the current manual human-involved attendance system.

#### **Proposal**

- Currently, slot booking for sports like Swimming, Badminton, Tennis, Squash and Gymnasium are overcrowded. A groundsman is responsible for manually entering the details. This process will be automated by introducing a Barcode Attendance System.
- In the system, all the players registering for slots will get a Barcode on the Identity Card, which must be scanned at the entry and exit of the sporting facility. This data will be managed in collaboration with the Technology coordinator and will have a plethora of uses.
- The issuing of sports equipment will also be linked to the Barcode, thereby helping manage the equipment. Each equipment will get a Product ID which will be used to identify it.
- The substituted groundsman can work in shifts, increasing the closure time of sporting facilities at night. Increasing closure time will thereby increase the number of slots as well.

## Impact

1. Increasing the number of slots will help relieve stress on the current slots. Players, especially Postgraduate students and Research Scholars who usually come late from their Laboratory work, will get to avail the sporting facilities.
2. Automating this process will help streamline the slot system as it will reduce human dependency.

With the collaboration of the Technology Coordinator, we can process the data obtained to obtain vital information about the sport such as

- Consistency
- Year of Study
- Course (UG, PG & RS)
- Average Duration of Play
- Hall of Residence
- Department of Players
- Gender

thereby helping the Physical Training Instructors, General Secretaries, and the concerned Secretary.

3. This data can also be critical in determining the Player of the Month, Outstation Contingent, and Inter IIT Contingent. The data can be used while declaring the Gymkhana Awards as consistency can be proposed as one of the criterias.
4. This will formulate the necessary foundation required to introduce slot systems for other sports as well.

# Proposal 2

## Revival of Shaurya

### *Formation of a Fest Organising Committee for the execution of fest*

#### **Aim**

Shaurya was the Sports and Games equivalent of SpringFest (Social & Cultural) and Kshitij (Technology). The revival of the inter-collegiate sports fest of the Indian Institute of Technology Kharagpur will promote a healthy lifestyle, foster teamwork and leadership skills, provide opportunities for recreation and relaxation and enhance the institute's reputation.

#### **Proposal**

1. The Fest Organising Committee will be responsible for the entire organization of Shaurya. It will be divided into three primary teams:
  - Core Team: Responsible for event planning, budget management, Marketing and Promotion, Sponsorship, Logistics, and Execution.
  - Web Team: Responsible for Creating and managing the event website and Managing online registrations & payments
  - Design Team: Responsible for Developing the event theme and visual identity, creating marketing materials, Designing event materials, and Managing Printing and Production.

The Core Team can be further subdivided into portfolios:

- Sponsorship Team: Responsible for reaching out to potential sponsors and securing funding for the event.
- Finance Team - This team will manage the budget, handle payments, and keep track of expenses.
- Publicity Team - This team will be responsible for promoting the event through various channels like social media, posters, and flyers. Publicity Team Subheads will be responsible for directly managing the Members under them.
- Events Team - This team will be responsible for planning and executing the various events, competitions, and shows that are part of the fest.

- Logistics Team - This team will handle everything from booking venues, arranging transportation, and coordinating with vendors.
- Accommodation and Guest Reception Team: This team will look after the accommodation of teams and the reception of guests.

Hierarchy of the Organising Committee:

Advisor -> Coordinator -> Heads -> Subheads -> Members

2. The guest rooms of various Halls of Residences can be used to accommodate the teams.
3. The events that can be conducted during the fests are:  
Cricket, Football, Table Tennis, Tennis, Badminton, Volleyball, Hockey, Weightlifting, and Athletics (M and W).
4. The selection of various teams for the Organising Committee will start by the month of May. The fest will be conducted in the second week of October tentatively and will be of 3 days duration.
5. For other sports, local talent can be invited to promote the sporting culture, such that the event can be included in the future editions of the sports fest.

## Impact

Firstly, it provides a platform for students to showcase their athletic abilities and enhances their physical fitness. Secondly, it promotes healthy competition among students and fosters a sense of team spirit and camaraderie. Thirdly, it can attract participants and spectators from other colleges, thereby increasing the college's visibility and reputation. Lastly, it can create a positive and lively atmosphere on campus, promoting a sense of belonging and school spirit among students, faculty, and staff.

# **Proposal 3**

## **Uplifting the Essence of Sports**

### *Introduction of Events of Triathlon and Inclusion of Martial Arts in the Summer Camp*

#### **Proposal**

##### **1) Triathlon**

Cycling is an integral part of the life of a student at the Indian Institute of Technology Kharagpur and Athletics and Aquatics are popular sports. A triathlon is a multi-discipline endurance sport that involves completing three different activities of cycling, running, and swimming in succession. The aim behind the triathlon is to improve the physical fitness of the students of the Indian Institute of Technology Kharagpur

The Triathlon Tournament will have 2 events in it:

- One will be a team-based event in which students can participate in a group of 3. Each member of the team will have to complete one of the activities.
- Another will be an individual event in which all three activities will be completed by the individual.

The structure of the event will be:

For Team events:

Swimming: Freestyle 300 m

Cycling: 4 rounds each of 2.2 kilometers

Running: 2 rounds each of 2.2 kilometers

For Individual Events:

Swimming: Freestyle 150 m

Cycling: 2 rounds each of 2.2 kilometers

Running: 1 round each of 2.2 kilometers

## **2) Martial Arts**

There are regular sessions taking place of Karate at Indian Institute of Technology Kharagpur with active participation of students. However the cost to attend the session is quite high. We will add Martial Arts sessions in the Summer Camp organized by the Sports & Games Committee for Martial Arts. A Trainer will be appointed by Technology Students' Gymkhana to take a month long Summer Camp for the Students. This will be completely free for the students of our institute.

### **Impact**

The event of Triathlon as well as the inclusion of Martial Arts in Summer Camp will help students of Indian Institute of Kharagpur improve their physical fitness. Triathlon will help them excel in three sports at the same time. The event of Triathlon can also be conducted during the Inter IIT Practice Camp to further increase the bonding between Inter IIT Contingent. The Teams of Triathlon will have students from different sports and this will instill a sense of bonding and teamwork in them.



# **Proposal 4**

## **Promotion of Physical Well-Being**

### *Construction of Open Air Fitness Parks*

#### **Proposal**

Outdoor fitness activities can be a great way to get refreshed and enjoy the scenery. Currently, there is no open-air Fitness Park (Gymnasium) on our campus for public use. We will construct an open-air Fitness Park on campus. This initiative will provide the student body with an opportunity to improve their physical fitness and overall health through outdoor physical activities.

#### **Location**

The suitable locations for the park are:

- 1) Ground in between the Technology Students' Gymkhana and the Technology Swimming Pool
- 2) Tata Steel Sports Complex
- 3) In front of the Basketball Courts near Lala Lajpat Rai Hall of Residence

#### **Equipments**

The Fitness Park will feature a variety of exercise equipments, some important equipments are given below:

- 1) Dual Sky Walker (Rs 50,000)
- 2) Surf Board (RS 14,000)
- 3) Air Walker (Rs 36,000)
- 4) Leg Press dual (Rs 26,500)
- 5) Twister Tripel (Rs 30,000)
- 6) Dual Chest Press(Rs 30,000)
- 7) Calisthenics Bar(Rs 10,000)

Estimated budget: Approximately Rs 2,50,000 (Including Padding Cost)

## **IMPACT**

1. The availability of a range of equipment will allow individuals to engage in diverse workouts, targeting different muscle groups and promoting overall fitness.
2. Outdoor physical activity has been shown to have numerous benefits for both physical and mental health.
3. Creating a fitness park is a great way to promote outdoor fitness activities and encourage healthy lifestyles in your community
4. By prioritizing physical activity and outdoor exercise, we can foster a positive culture of health and wellness on campus.