

JEDDAH SOCIAL SPORTS CLUB

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Abstract

In this work, a proposal on the development of a social sports club at Jeddah, Saudi Arabia is presented. For this work, three case studies related to sport facilities design and architecture were analysed. Based on the analysed case studies, the estimated area for the social sports club is 25266 m². The zones of this sport club includes welcome center, sport school, football academy, gymnasium, stadium, golf course, basketball courts, tennis courts, volleyball courts, squash courts, Olympic swimming pool, running track, equestrian club, spa and beauty center, multipurpose indoor hall, kids club, restaurant and café, gallery and exhibition area, service area and clinic. The sports club will be developed at north Jeddah next to King Abdullah Economic City in Thwal. The design of the sport club is based on modern and contemporary design. This sport club is expected to generate awareness among the community in Jeddah between wellness and health and will serve as a focal point for sporting purposes.

Keywords-- social, sports, club, community, Saudi Arabia

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INTRODUCTION

Sport is amongst the most common recreational activities among youthful individuals. Sports are often arranged in colleges in the manner of sports clubs or extracurricular activities [1]. Due to the growing amount of kids and young people involved in structured sport around the globe, sports clubs have become an important destination for different types of social measures and strategies [2]. People are looking for sports clubs as places for fitness enhancement because these sports clubs promote health wellbeing and encourage huge community involvement in recreational activities [3]. In addition, the sports club acts as an arena for creating social skills such as beneficial peer relationships, management skills, and a sense of empowerment, social responsibilities, awareness, and self-control [4].

Jeddah is Saudi Arabia's port and it is the second largest city after Riyadh. It is a cosmopolitan city with diversity and steady growth [5] Jeddah is looking to develop in many ways as its consensus grows. Jeddah has a remarkable range of activities, sights and events to cater for almost every market segment. There are plenty of family friendly activities in Jeddah and children are never bored when they are on vacation [6].

A social sports club will be a major transformation and will help gather citizens as well as welcome progress and expansion in Jeddah City [7]. Jeddah is considered a common attraction for expatriates coming from all over the Middle East and elsewhere. Therefore. It is necessary to create a friendly environment for families to enjoy their time and spend their weekends and holidays in recreational centers or so. A sports club in Jeddah will allow people to socialize and interact freely with their friends and families in a healthy and energetic environment. Hence, in this work a proposal on developing a social sports club at Jeddah, Saudi Arabia is presented.

CASE STUDIES

This work has analysed three case studies. The details of the case studies are stated as follows.

- a. Sport CityEast Manchester
- b. Dubai Sports City
- c. Park Hyatt Jeddah - Marina. Club and Spa

Sport CityEast Manchester

Sport CityEast Manchester is located at Manchester, United Kingdom (Figure 1). It was designed by architect Arup Associates. Sport City has successfully developed world-class sports and event venues that provide facilities for elite and professional athletes as well as a strong community. It is the biggest concentration of sports venues in Europe. And now the venue selected for over 400 activities each year and gets an annual average of 4,500,000 visits. This sport city is comprised of sport zone, commercial zone and outdoor park. The facilities include stadium, football club, national squash center, city store and museum, regional arena, English institute of sport, tennis center and courts, cycling center, gymnasium, fitness center, parks, visitor help center, petrol station, restaurant, casino and leisure complex.

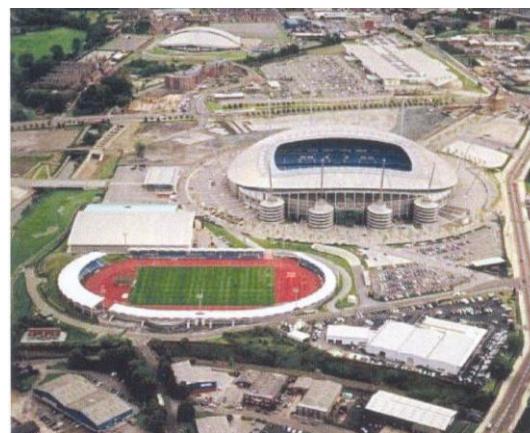


Figure 1. Sport City East Manchester

Dubai Sport City

Dubai Sport City is located at Dubai, United Arab Emirates (Figure 2). The objective of Dubai Sports City is to be one of the world's leading sporting destinations. Dubai's world-class sporting infrastructure has hosted significant events and attracted the world's largest brands. Dubai Sports City is all about offering sports and recreation activities to its inhabitants

and visitors with an unbeatable and distinctive lifestyle. Dubai Sport City offers a distinctive chance to watch, learn, play, live, work, shop and live sport. The facilities of this sport city includes a 25,000 seat cricket stadium, a cricket academy, an indoor stadium, 60,000 seat multipurpose outdoor stadium, unique sports mall with indoor entertainment, 10,000 seat multipurpose indoor are for hard court games, ice hockey and concert arena, 18-hole championship golf course, tennis courts, football academy, world hockey academy, school of golf, medical facilities, schools, hotels, community center, restaurants and cafes, mall, residential and commercial areas, mosques, parks and open spaces and health center.



Figure 2. Dubai Sport City

Park Hyatt Jeddah - Marina. Club and Spa

Park Hyatt Jeddah - Marina. Club and Spa is located at Jeddah, Saudi Arabia (Figure 3). This place is an ideal base for Hajj or Umrah pilgrims to Makkah or Medina. It represents the rich heritage as a cosmopolitan port and Saudi Arabia's trading city. Park Hyatt Jeddah is a well-located stopover for visitors entering or leaving the region. It offers guests and members a host of sporting, fitness, beauty and relaxation facilities. The facilities of this club includes marina area, spa and wellness facilities, restaurants, hotel, multipurpose rooms, a ball room, open and green spaces, and kids zone.



Figure 3. Park Hyatt Jeddah - Marina. Club and Spa

Program Assumption and Space Details

This work has proposed on developing a social sports club. Hence the estimated area for the sports club is 25266 m². This sport club is comprised of several zones, which is welcome center, sport school, football academy, gymnasium, stadium, golf course, basketball courts, tennis courts, volleyball courts, squash courts, Olympic swimming pool, running track, equestrian club, spa and beauty center, multipurpose indoor hall, kids club, restaurant and cafe, gallery and exhibition area, service area and clinic. Table 1 exhibits the details of area for each zone.

Table 1. Space details

Zone	Area (m ²)
Welcome center	300
Sport school	556
Football academy	1755
Gymnasium and fitness center	590
Stadium	12240
Golf course	2100
Basketball courts	979
Tennis courts	1256
Volleyball courts	329
Squash courts	296
Olympic swimming pool	840
Running track	300
Equestrian club	1275
Spa and beauty center	240
Multipurpose indoor hall	1090
Kids club	250
Restaurant and cafe	250
Gallery and exhibition area	330
Services area	200
Clinic	90
Total	25266

PROPOSED SITE AND ANALYSIS

In this work, the sport club will be located at will be in north Jeddah next to King Abdullah Economic City in Thwal (Figure 4). This site has an estimated area of 60000 m². The site is close to the sea area and it is 45 minutes away from the city center. Furthermore, this site is surrounded by few landmarks, such as King Abdullah University of Science and Technology (KAUST) and King Abdullah Economic City (KAIC). In terms of climate, in summer, Jeddah is considered humid and hot. In winter, it is considered warm due to its location next to the Red Sea. Figure 5 shows the proposed zoning at the site.



Figure 4. Site location



Figure 5. Site zoning

PROJECT DESIGN

The proposed design of the sport club is shown in Figure 6 to Figure 10. The design concept of this sport club is a mixture modern and contemporary design. Thus, the key elements of this three sports has been incorporated into the building design and outlook. The main purpose of this sport club is to encourage the Jeddah community to be actively involved in sports and spend a quality time with their family members. The sports facilities of this sport club includes swimming, squash, football, volleyball, tennis, equestrian, running track, golf and basketball.



Figure 6. Top view of sports club

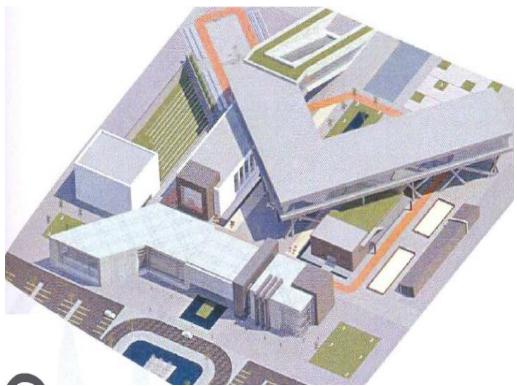


Figure 7. 3D view of sports club

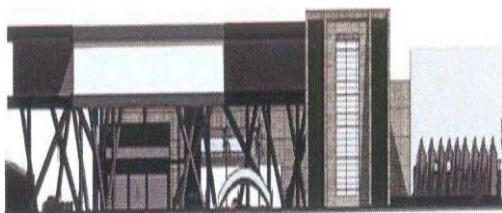


Figure 8. Side view of sports club



Figure 9. Parking space

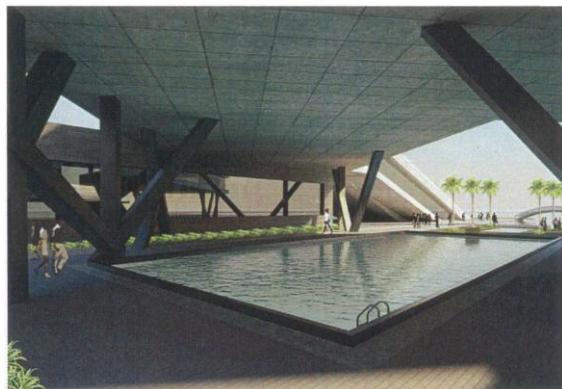


Figure 10. Swimming pool

CONCLUSION

This work provided a proposal for the development of a social sports club in Jeddah, Saudi Arabia. Thus, for the social sports club, the estimated area is 25266 m². This sport club will be developed in north Jeddah next to King Abdullah Economic City in Thwal. This sport club is comprised of several zones and the main zones are welcome center, sport school, football academy, gymnasium, stadium, golf course, basketball courts, tennis courts, volleyball courts, squash courts, Olympic swimming pool, running track and equestrian club. This sports club will be a main attraction point at Jeddah and it will serve the local community as a sporting destination. Furthermore, this sport club will contribute to the overall economy of Saudi Arabia with its state of the art facilities.

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