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SPORTS ARCHITECTURE - A VISION TO RENDER OPTIMIZED SPORTS ARENA

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Abstract - *Sports and games are having a fast and rapid growth and development with respect to the sports fields, designs, and sports performance. With the rapid increase of all kinds of sports architecture in the world, the optimize design is becoming one of the focused issue that need to be channelized for constructing efficient sporting arena.* ***Purpose:*** *This paper aims to put forward the significance & essence of sports architecture and also suggestions that contribute to ensure sports architecture should now be taken up as a specialized course or subject in physical education to enrich the aspect of sporting arena their growth and development. Globally physical education has a rich and progressive culture extended to sports sciences, sports engineering and still moving on to explore and cultivate every possible aspects of human life. The physical education professional must be well aware of each essential elements and core aspects of sports complex , stadia , sporting arena and their specifications with respect to construction and design* ***Importance :*** *Physical Educationist knows it better that where and how the sporting arenas to be build with respect to all aspects* ***Benefits -*** *sports architecture provide awareness of constructing stadiums , concerned knowledge , clear idea , knowledge of specifications of fields , material , methods , calculations, dimensions as set by the governing body, So the aim and purpose of this research paper is to bring to your kind notice that sports architecture is not only important but also essential to groom the physical education professional to have better knowledge of constructing sporting arena for much efficient use and growth of society and also it can be a carrier oriented subject as sports architects.*

Introduction - the Sports and games are having a fast and rapid growth and development with respect to the standard of sports fields, hospitality, comforts and sports performance. With the rapid increase of all kinds of sports architecture in the world, the optimize design is becoming one of the focused issue that face the challenges of material waste, high energy consumption, inflexible functions conversion and other problems. This paper aims to put

forward the significance & essence of sports architecture and also suggestions that contribute to ensure sports architecture should now be taken up as a specialized course or subject in physical education to enrich the aspect of sporting arena their growth and development.

Physical Education and sports is not bounded to the four walls of the ground or any institution it enrich the various field of human growth, progress and development. It has been seen that a traditional culture of sports and games still exist in India as still PET teacher should now calisthenics, if he now about nutrition, sports medicine or not. we still have the ideology of physical education only related to play field or educational institutions whereas around the global physical education have a rich and progressive culture extended to sports sciences , sports management , sports medicine , MBA in sports , sports journalism , sports tourism , sports engineering and still moving on to explore and cultivate every possible aspects of human life .

Employment has always been a great challenge in human life for his basic survival , as if we observe still we have sports policies on paper not yet implemented that if any school have more than 300 students so that they should recruitment more than 1 PET , in colleges as well we have seen very few are implementing or having the physical education professionals , coaches and PED ,and due to many other economical reasons the pay scale and salaries have also been a big hurdle for the physical education profession. In comparison to other profession the physical education professional gains less salary as the job vacancies are less in comparison to other fields. So we need to connect to various other aspects of physical education, the sports fields and stadi are very important aspect of sports and games. In the latest scenario the ultra modern trend where much of the games are going outdoor to indoor with handball , basketball and even we have indoor synthetic tracks the physical education professional must be well aware of the each essential elements and core aspects of sports complex , stadia , sporting arena and their specifications with respect to construction and design Sports stadiums are highly emotional places of identification and devotion. At the same time they are modern locations which have to function extremely well to gain much benefits which not only involve much improved sports performance but it also play a key role in collaboration with the society for healthy and constructive sports behaviour and policies to be implemented.

Importance

- The sporting arena should have delightful structure and function both the aspects and it should met the essential element required for optimized benefits of sportsmen.
- It has been seen that we provide the knowledge of sports medicine, sports journalism, sports psychology than why not sports architecture and sports engineering to physical education professional.

Essential aspects of stadiums

- Rain water harvesting - storage of rain water
- Floor surface – synthetics, wooden, PVC, colour , colour of lines
- Trash and garbage – proper waste bin and waste carry system and arrangement
- Alcohol - strict rules to be followed to avoid the alcohol in the play fields and stadiums
- Security and supervision - security panel, cc TV camera, monitoring room, vigilance officers and security personal, systematic and electronic design locking system
- Washroom – washroom for players, officials , VIP , spectators are essential in sports arena
- Green room – Green room for changing for male and female are essential on each level of sports arena
- Locker room – every level should have personal locker room for the registered members
- Offices - reception desk, enquiry counter, coaches room, director , and officials room
- Firt aid room - essential medication for sudden injuries must be arranged
- Equipment room - every level and block should have separate equipment room
- Store room - where the material to be kept
- Canteen - where the players can have their food , refreshment
- Sauna bath, Stem bath Accommodation for coaches, officials (dormitory for students) Lift panel , Electronic score boards, Sportswear shops.
- Virtual games for recreation.
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Why it is essential to have sports architecture

When it come to prepare the malls a businessmen knows better, a college a educationist , a bank a banking professional , a hospital a doctor likewise same a physical educationist knows it better that where and how the indoor , outdoors or various types of stadia to be build. Like the ventilation , flood lights, sitting arrangements , scoreboards , screen , camera step up , press people setup , washroom , green room , staircase , and various other things.

Benefits of having sports architecture

- The first and foremost important thing is that the physical education professional will be aware of the knowledge required to build play fields
- They will be able to have healthy discussion with the architect to have clear understanding of building stadiums and sporting arena
- They will be aware of the specifications of the surface of sports material, methods, calculations, dimensions, as set by the governing body.
- If a sportsperson wish to have his carrier in architecture so he can have in sports architecture as he is a professional sportsmen and he nows the things better
- A different and much interesting option is open for sportsmen as now than can be sports architect
- The opportunities will be more in numbers as we have new and different stadium are being constructed now a days
- Like we have seen decathlon a famous store for all sports goods recruit the sportsmen those who have a MBA in sports or any specialized degree
- EUSAI (elite university sports alliance of India) focused on commercialization of sports in India also recruit people those who has business related degree and genuine sports background.

How sports architecture can be implemented

- It can be added to the physical education curriculum as compulsory subject
- Much more research and practical approach should be carried out towards the subject.

So the aim and purpose of this research paper is to bring to your kind notice than sports architecture is not only important but also essential to groom the physical education professional to have better knowledge of constructing sporting arena for much efficient use and growth of society and also they can have their future as sports architects.

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