



Player tracking technology possibilities & challenges – the digital support to enhance performances

Prakash Kumar C, Physical Education Director, Govt. First Grade College, Udayapura, Channarayapatana taluk, Hassan District, Karnataka state

Abstract : Across the world sports sector witnessed a great change over from previous years. The technological progression supported with new advances in sports monitoring. Even a millimeter distance is clearly visible through technologies. Virtual reality is possible through technology. this virtual reality's changing the game technology is becoming increasingly vital to sports the professional success of the game is depending on the use of technology. The technological innovations each changing every minute is furthering the sports entertainment & sport amusement informatics. The countries across the globe are becoming techno savvy & the technological applications are used . Player tracking technology is more advances technologically teams around the world have created success stories. This virtual technology has opened up countless possibilities & now it it is adapted to prevent sporting injuries. This paper glances at the potential support accrued from application of virtual technology & the challenges it would encounter if applied to all sporting events. There are debates over this application of this technology being misused or being tainted.

Keywords: Player tracking technology, virtual technology, immense possibilities, challenges & impact on individual performances.

Introduction – technology is immensely occupying routine life & the sport sector is also under the heavy impact of technological applications. The technological innovations each changing every minute is furthering the sports entertainment & sport amusement informatics.

The technological innovations each changing every minute is furthering the sports entertainment & sport amusement informatics. The countries across the globe are becoming techno savvy & the technological applications are used. Speed component in the game is being made to relive with the innovative technology but it makes stress on the player as he will be always playing with the notion that he is being minutely watched. Player tracker technologies along with

following digital innovations are used in sports

1. Player tracker technology
2. electronic score boards
3. tubular tennis racket
4. electronic line judges in tennis
5. light weight video cameras
6. electronic aided accessories
7. electronic digital meters
8. electronic machines of track events
9. micro chip devices
10. micro sensors
11. micro led apparatus

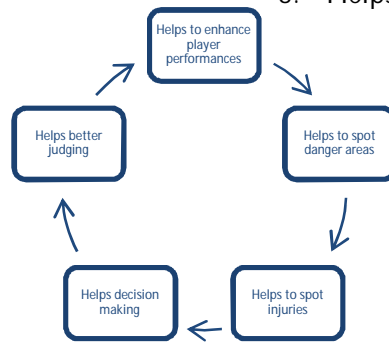
The countries across the globe are becoming techno savvy & the technological applications are used as



shown in this chart Player tracker technology

1. Helps to enhance player performances

2. Helps to spot danger areas
3. Helps to spot injuries
4. Helps decision making
5. Helps better judging



But there are certain new innovations in the digital medium enhancing the player performances through tacking.

1. Player tracker technology recreates game in a virtual digital environment
2. Player tracker technology helps information age of sports analytics
3. Player tracker technology helps to spot real time checking devices posted on his body
4. Player tracker technology supported by infrared sensors beaming information to cameras which gives real time experiences on performance tracking.

As there are advantages there are several disadvantages as well.

1. Hesitancy about the costs of purchasing Player tracker technology , the incurring expenditure is very heavy as a not all sports / clubs / organizations / stadiums can install this costly device. hence the affirmative experience of Player tracker

technology can only benefit few selected sports / clubs / organizations / stadiums.

2. Certain sporting events need sports person to wear a chip while this can hamper the ethics of several sports / clubs / organizations / stadiums adopted to Player tracker technology .
3. Sports clubs in order to enhance fan experience on & off the screen adapt newer technologies that might affect the players performance and Player tracker technology is one of them .
4. Instead of a umpire . referee or adjudicator becoming the final voice , technology is replacing him which is not a good sign of sport development.
5. Coaches are only marginal ,match referees are secondary & the entire match becomes relied on technological applications . Player tracker technology supports nobody at the end.



6. A real time data based on his body's bio metrics becomes the crucial match winner & hence technically a player is at the mercy of Player tracker technology
7. The technological innovations in Player tracker technology each changing every minute is furthering the sports entertainment & sport amusement informatics. The countries across the globe are becoming techno savvy & the technological applications are used
8. speed component in the game is being made to relive with the innovative technology but it makes stress on the player as he will be always playing with the notion that he is being minutely watched.
9. A high quality data is being offered which fans like through Player tracker technology but there are several versions to it which need up gradation.
10. Player tracker technology enhances media coverage with inline / on line / offline coverage chances .Hence heavy Media intrusion into sports might resist sport fans experiences.
3. Wholesome applying the geometric data ,goals made in foot ball / base ball / Hockley / etc have been made to increase fan following with Player tracker technology
4. The speed component in the game can be made to relive with this Player tracker technology

Players are supported by this Player tracker technology as they can view past recorded videos. They can adjudge their pas performers understand their lacuna , correct their wrongs , these gadgets works by targeting the core through a wide variety of movements and also offers the unique ability to use the discs separately or by clipping them together for bilateral training. The unique shape and tread of the discs combined with the large surface area of the product allow for a non-slip grip that's perfect for placing under your hands or feet to create a total-body workout.

Polar is a heart rate monitor, activity tracker, and fashionable fitness accessory all rolled into one. With the ability to accurately measure your heart rate, calories burned, steps taken, and quality of your sleep, one can now easily assess your workouts and overall wellness anywhere, anytime. sandbags that are specifically designed with superior toughness in mind, the triple-stitched seams and tough PVC cover can withstand an extreme amount of force, and the 10 to 12 ergonomic rubber handles offer more gripping options than just about any other sandbag on the market. Passing the ball the speed involved, Defensive impact , rebounding drive impact are assessed. Getting to this future of player tracker technology not only protects players individually, but it betters the game for teams, leagues and

The virtual application –

1. In cricket, fielders take wonderful catches. with the application of new technology , now it is possible to evaluate what circumstances made him to catch the ball , whether his first step , whether his jumping , whether his eyesight , was it his quickness was it his acceleration was it his
2. The pitch reports / climate reports / environmental reports are become lengthier than ever.



fans across the country. Since sports has become more information based there is a need to adopt to these technologies.

Player tracker technology helps to spot potential overuse and risk areas will continue to evolve the way teams practice and the way they substitute, keeping players healthy, a win-win-win-win for players, teams, leagues and fans

Thus player tracking technology is well if adapted to similar conditions but sports need changes from sports to sport. The systems which can incorporate intelligent automatic camera targeting to provide isolation video coverage for any player or object of interest itself is very great technological innovation which need a Up gradation every now & then.

Player tracker technology is an emerging field to show diverse sports organizations how to implement analytics into their decision-making strategies, especially as analytic tools grow increasingly complex.

There is a need for a clear, easily digestible survey of the practice and a detailed understanding of analytics' vast possibilities of Player tracking technology . The need for evaluating different player tracking programs and putting them to use in all types of sporting events itself is a challenge . Using concrete examples from professional sports teams and case studies is required to get a uniform outcome.

Conclusion- Thus the player tracker technology is a blessing as well as a bane for players. The excessive application of any technology is detrimental to the future progress of the sport. These days sport sis dependent on fans & their need for entertainment through sporting event they view hence the fan mentality if the

fans turn off from their involvement in the sporting activities then the very sport loses its charm. The technological innovations are to be applied but not at the cost of human talent & human perseverance. Speed component in the game is being made to relive with the innovative technology but it makes stress on the player as he will be always playing with the notion that he is being minutely watched.

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