

MODERN TRENDS AND THE FUTURE OF BASKETBALL GAME - AN ANALYTICAL STUDY

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Abstract : Dr. Naismith invented Basketball game 100 years back and it is such an exciting game and for the years since many trends and fashions have found their way into a simple game. Many things like clothing and fashion and hairstyles and the game of basketball has had it's share of changes only to find that it always comes back to the simple act of putting the ball in the hoop more times than your opponent. It is not like that now. As year pass on rules are changed a little bit and the pace of the game is increased. In this paper we study the modern trends and the future of Basketball game.

Key words: Video Technology, 3D angles, Screen, Dribble and Drive, Microcosmic view.

Introduction : Most parents coaching basketball today, probably would have found a quick seat on the pine for letting the player they were guarding drive to the baseline. Today, it is common for coaches to emphasize forcing the player to the corner and baseline on defence.

Now these days it is common for coaches to shout "no middle, get up high and push baseline". This trend / change in training and philosophy. We predict, it will again change in the future. Now above 6 footer rotating to help on that baseline drive is on the increase.

How about this one, guard the ball by running with the player you are guarding. This is a real method of defence being taught today. What happened to a good defensive stance. Some teams give a lot of preference to defence and the players are trained like that.

Another important basketball trend is the recent Dribble Drive Offense that has taken basketball offense and turned it upside down in the last few years. This offense emphasizes the Dribble and Drive to the basket (premise is that this is the hardest thing to guard) with little or no attention or emphasis on ball screens, screen always, or passing until a dribble drive is attempted.

Coaches are training the students to play this way, but from a youth basketball instructional level, this is exactly opposite of what we try to teach. We teach the young students to catch and establish triple threat position, look to shoot first, then pass or drive. We encourage ball screens and want the learners to screen away to get other players open. We want them to make the first easy pass to the first open player, and cut to the basket after the pass.

As we teach the youth to play basketball, let's keep in mind the new trends and fashion of the game, but let's focus on the sound fundamentals of shooting, passing, and ball handling. Young learners are able to dress in any fashion in the future.

Basketball Trends

- Force the ball to the baseline and corner

- Cross your feet and run while playing defence
- Dribble Drive the ball to the basket as the first option

The Future of the Game:

With all the current ways to view a basketball game – tablets, smart phones, televisions that provide replays on demand – in International standards are doing its best to keep up with the times and, in some areas, transcend them.

The latest video technology and more than 6 to 8 cameras on the arena and this state-of-the-art motion capture tech would provide an unprecedented opportunity to gather player data: "During every match at the International standards six cameras will capture the position of each player and the ball 25 times per second. In 48 minutes of action, that's more than 4 million total data points per game. Data being data, it can be sorted, sliced, diced, minced, analyzed, and queried. Coaches and general managers will use it to learn their strengths and weakness.

Even in the last few years the players themselves have been looking at, and using, this collection of data to improve their performance. Without this technology they cannot understand their mistakes and cannot improve. More than simply watching and analyzing video highlight reels, a growing number of athletes are turning to motion sensors and basketball replay technology to get a microcosmic view of how they're performing and how they could be performing better in the future matches. This is how they will improve their skills and techniques of the game.

As time goes on, more and more athletes are using this tech to hone their skills, thus making them more valuable. And the latest generation of 3D motion sensors capture the athlete's performance metrics including vertical height, acceleration, rotation, and even hang time. This powerful information can be overlaid onto automatically created video highlight reels, giving athletes of all abilities a deep understanding of their performance.

As time goes on, more and more athletes are using

this tech to hone their skills, thus making them more valuable. Those who are on the forefront of the growing technology movement may be the ones who reap the most rewards.

Due to the technology advances and improved the whole basketball is reinvented and redefined.

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