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Survey on basketball playing ability of basketball players of Maharashtra Mandal, Pune

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Abstract

The main purpose of the study was to check the basketball playing ability of Maharashtra Mandal, Pune. For this study a total of 60 subjects were selected randomly from, Maharashtra Mandal Pune. The Age of the subjects was ranged between 14-17 years. The data was collected through the administration of Johnson Basketball Playing Ability Test developed by L. William Johnson. For the analysis of data percentage were used as a statistical tool. The result revealed that 21.67% have low level, 68.33% average and 10% Basketball players have high level of basketball field goal speed test. 26.66% have low level, 65% average and 8.33% basketball players have high level of basketball throwing accuracy. 30% have low level, 58.33% average and 11.67% basketball players have high level of basketball dribbling ability.

Keywords: Basketball, playing ability, shooting, field goal and dribbling

1. Introduction

Basketball is a sport where two teams compete with an objective of shooting the ball into a hoop. The court is rectangular and, on each side, there is a hoop. Players move the ball up the court by bouncing it while walking or running. They score two points for shooting the ball into a hoop or three if they shoot it from behind the three-point line. There are 5 players at a time on basketball court, with around 7 to 10 on the bench. • FIBA 2The International Basketball Federation, more commonly known by French acronym FIBA (Fédération Internationale de Basketball), is an association of national organization which governs international competition in basketball. FIBA defines the rules of basketball specifies the equipment and facilities required, organizes international competitions, regulates the transfer of athletes across countries, and control the appointment of international referees. A total of 213 national federations are now members organized since 1989 into five zones: Africa, America, Asia, Europe, and Oceania. FIBA organizes both men's and women's FIBA World Olympic Qualifying Tournament and summer Olympics Basketball Tournament for men's national teams held every four years. The headquarters of FIBA is at Mie's, Switzerland. • History The game of basketball was invented in United States of America. Dr. James Naismith of USA invented it in December 1891 Spring Field College. The origin of this game is very interesting. In the beginning, 40 to 50 players used to be in one team. This game was played in a Gymnasium. A pair of baskets was hanged on the walls facing each other, one had to climb up to get the ball out whenever goal was scored. This game was played first time on 22nd January, 1892. First time, 5 players were fixed in a team. From 1895 to 1900 A.D. a lot of amendments were done in the rules of the game. First time, American Basketball Training Association made its efforts for demonstration of this game in 1928 Amsterdam Basketball Olympics but it could not get success. In 1932 International Basketball Federation was constituted. Approximately 85 years ago in India the game of basketball was introduced by YMCA College, Madras. After that it became very popular in India. The Indian Basketball Federation was formed in 1950.

Johnson Basketball Playing Ability Test

Aim to assess the general playing ability of basketball players. This test consists of three items of basic skills which are

1. **Field Goal Speed Test:** The Tester asks the basketball player to stand in any position under the basket and is required to make maximum number of baskets in 30 seconds. The number of successful baskets thrown in 30 seconds provides the score for this test. This item measures the ability of the examinee to make successive field goals as quickly as possible under the stress of time.
2. **Basketball throws for Accuracy:** This test item measures the shoulder strength and the ability of consistent accurate throws a circular archery type target is placed on a wall. The examinee, standing at a distance of 40 feet from the target, makes ten trials for hitting the ball in the centre of the target. For hitting, the examinee uses either the overhand or the hook pass method.
3. **Basketball Dribble Test:** This test item has been designed with the purpose of measuring ball handling ability and agility level of the examinee.

The examinee is required to cover a maximum distance while dribbling around obstacles in 30 seconds. Four obstacles (chairs or hurdles) are arranged in a straight line a six feet apart. The first obstacle is 12 feet away from the starting line which is 6 feet wide. The subject is asked to begin dribbling from one end of the starting line and is required to dribble for 30 seconds in a zig - zag manner around the turnings at each obstacle point, approaching the first obstacle on the opposite side of the starting point and by turning about at the fourth obstacle.

2. Methodology

The present study was conducted to find out the basketball playing ability of Maharashtra Mandal, Pune. For this study total 60 basketball players of aged ranged from 13-17 of Maharashtra Mandal, Pune were selected randomly. For the collection of data Johnson basketball playing ability test were applied.

2.1 Selection of variable

Basketball playing ability

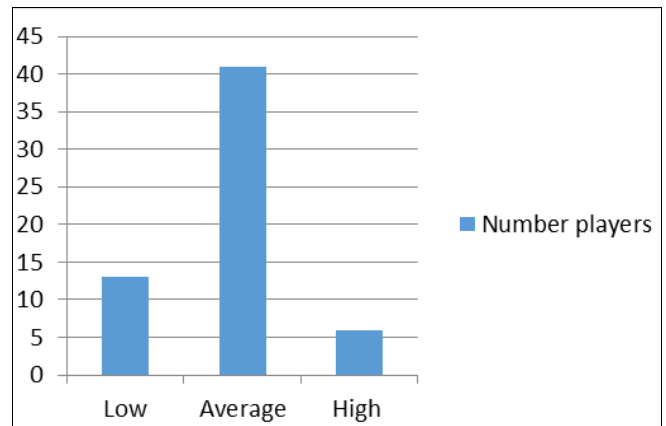
- Basketball field goal speed test.
- Basketball throwing for accuracy.
- Basketball dribbling ability.

Table 1: Rank for Basketball Field goal speed test

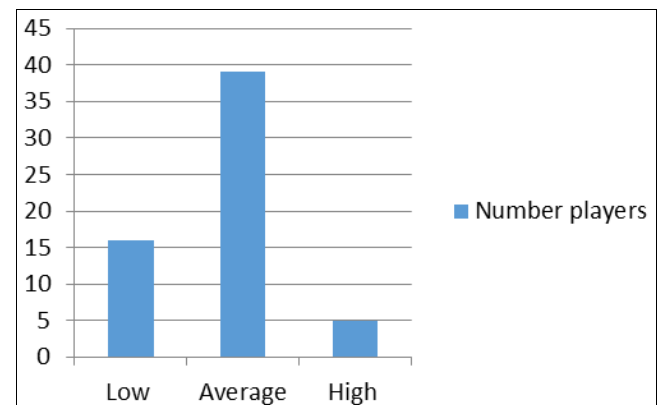
Score	Category
0-3	Low
4-7	Average
8-10	High

Table 2: Numbers of players fall in category

category	Low	Average	High
Number players	13	41	6



Graph 1: Basketball Field Goal Speed Test



Graph 2: Basketball Throwing For Accuracy

Table 3: Basketball throwing for Accuracy

Rank for Basketball Throwing Accuracy	
Score	Category
0-10	Low
11-20	Average
21-30	High

Table 4: Numbers of players fall in category

Category	Low	Average	High
Number players	16	39	5

Table 5: Rank for basketball Dribble test

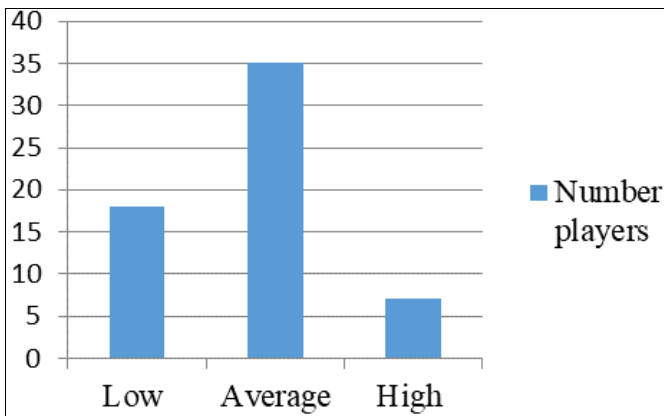
Rank For Basketball Dribble Test	
Score	Category
0-15	Low
16-30	Average
31 and above	High

Table 6: Number of player's falls in category

Category	Low	Average	High
Number players	18	35	7

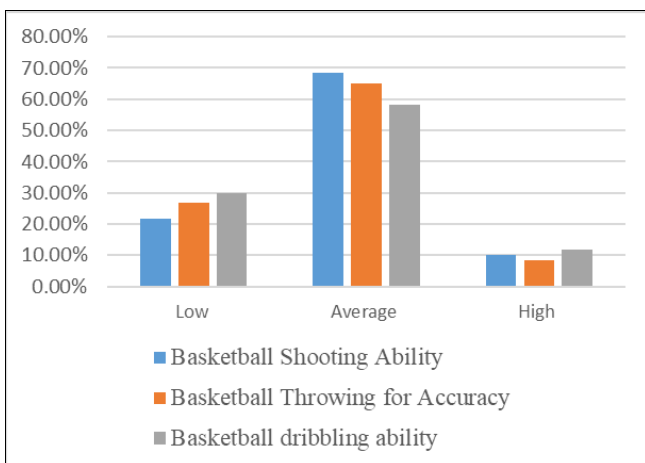
Table 7: Percentage of Basketball Playing Ability

Skills	Low	Average	High
Basketball Shooting Ability	21.67%	68.33%	10%
Basketball Throwing for Accuracy	26.66%	65%	8.33%
Basketball dribbling ability	30%	58.33%	11.67%



Graph 3: Basketball Dribbling Ability

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Graph 4: Overall Graph of Basketball Playing Ability

4. Conclusion

- The result revealed that 21.67% have low level, 68.33% average and 10% basketball players have high level of basketball field goal speed ability test.
- 26.66% have low level, 65% average and 8.33% basketball players have high level of basketball throwing accuracy.
- 30% have low level, 58.33% average and 11.66% basketball players have high level of basketball dribbling ability

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