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Comparison of athletes' perspective of coaching behavioral patterns of various individual and team games of national level players

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Abstract

The purpose of this study to compare to athletes' perspective of coaching behavioral patterns at different levels in various games with dimension wise (1. Physical Training, 2. Technical Skill, 3. Mental Preparation, 4. Goal Setting, 5. Competition Strategies, 6. Personal Rapport, 7. Negative Personal Rapport, and 8. Overall) variables of National level in various games. The analysis of data collected on the total number of subjects ninety (N=90) 15 male players for each games like individual games (Wrestling, (15) Weightlifting, (15) and Judo(15) and forty five 45 team games (Cricket, (15) Football (15) and Hockey(15) who was participating in 2013-2014 tournaments was selected randomly as the subjects for this study. The data on athletes' perspective of coaching behavioral patterns at different levels in various games with dimension wise of National level in various games of individual and team games were selected. Data was collected through questioner coaching behavior scale for sport (CBS-S) by J. Cote, J. Yardley, J. Hay, and W. Sedgwick & J. Baker. Analysis of variance ANOVA with LSD Post Hoc Test, multiple comparison (Mean Deference and Critical Mean Deference) were applied. The data analyzing tools SPSS- 21 software was used. There was significance difference Mean score f-value, of perspective of coaching behavioral patterns at National level in various games with dimension wise dimension of Physical Training, Technical Skill Goal Setting, Negative Personal Rapport. There was significance difference between Wrestling and Hockey, Wrestling and Hockey, Judo and Hockey and Cricket and Hockey for the National level Players for of Physical training dimension of coaching behavior scale. There was significance difference between Wrestling and Football, Wrestling and Hockey, Wrestling and Football, Wrestling and Hockey, Judo and Hockey and Cricket and Hockey for the National level Players for of Technical Skill dimension of coaching behavior scale. There was no significance difference between all individual and team games players of National level Players for of mental preparation dimension of coaching behavior scale. There was significance difference between (Wrestling and Judo, Cricket, Football, Hockey) (Between Weightlifting and Judo, Cricket, Football, Hockey) between Judo and Hockey, for the National level Players of Goal Setting dimension of coaching behavior scale. There was significance difference between Wrestling and Hockey Wrestling and Football, Weightlifting and Football, Weightlifting and Hockey, Judo and Hockey and Football and Hockey for the Competition Strategies dimension of coaching behavior scale. There was significance difference between Wrestling and Cricket, Wrestling and Football, Cricket and Hockey for the Personal Report dimension of coaching behavior scale. There was significance difference between (Wrestling and weightlifting, Cricket, Football, Hockey) (Between Weightlifting and, Cricket, Football, Hockey) (between Judo and Cricket, Football, Hockey), for the National level Players of Goal Setting dimension of coaching behavior scale. There was significance difference between Wrestling and Football, Wrestling and Hockey, Weightlifting and Football, Weightlifting and Hockey, Judo and Hockey, Cricket and Hockey for the Over All dimension of coaching behavior scale.

Keywords: Yoga, pranayama, aged women, breath holding capacity, vital capacity

Introduction

The complex nature of the coaching process means that coaches' behavior, and practice within it, is subject to a wide range of often confounding and uncontrollable variables. However, whilst seemingly obvious, how the coach behaves and what the coach does is one element of the coaching process' that is under the control of the coach. Indeed, the coach occupies a position of centrality and influence in the sporting arena. Moreover, the coach is a powerful socializing agent whose behavior can impact athlete

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Performance, learning, and a range of psycho-social outcomes. This impact can be both positive and negative. It would seem therefore, that understanding which behaviors translate into positive (and negative) outcomes for athletes is essential for practitioners and coaching scholars alike. This is the case for practitioners, as evidence would suggest that coaches are notoriously poor at describing their own behavior, while with athletes the reverse is true; athletes are more accurate at describing their coach's behavior than the coaches are themselves.

Objectives of the study

- To compare to athletes' perspective of coaching behavioral patterns at different levels in various games with dimension wise (1. Physical Training, 2. Technical Skill, 3. Mental Preparation, 4. Goal Setting, 5. Competition Strategies, 6. Personal Rapport, 7. Negative Personal Rapport, and 8. Overall) variables of National level in various games

Methodology

The analysis of data collected on the total number of subjects ninety (N=90) 15 male players for each games like individual games (Wrestling , (15) Weightlifting, (15) and Judo(15) and forty five 45 team games (Cricket, (15) Football (15) and Hockey(15) who was participating in 2013-2014 tournaments was selected randomly as the subjects for this study. The data on athletes' perspective of coaching behavioral patterns at different levels in various games with dimension wise 1. Physical Training, 2. Technical Skill, 3. Mental Preparation,

4. Goal Setting, 5. Competition Strategies, 6. Personal Rapport, 7. Negative Personal Rapport, and 8. Overall variables of National level in various games of individual and team games were selected. Data was collected through questioner coaching behavior scale for sport (CBS-S) by J. Cote, J. Yardley, J. Hay, and W. Sedgwick & J. Baker. [1]. Analysis of variance ANOVA with LSD Post Hoc Test, multiple comparison (Mean Deference and Critical Mean Deference) were applied. The data analyzing tools SPSS- 21 software was used.

Level of Significance

The level of significance to check the compare obtained by analysis of variance ANOVA with post hoc test was set at 0.05 level.

Statistical Analysis

Analysis of Variance (ANOVA) was applied was applied for SPSS-21 software to analyze and compare of athletes' perspective of coaching behavioral patterns at National levels in various games of National level in various games of Three individual and three team games Significant was set at 0.05

Findings and Results of the Study Table 1

Table 1. Analysis of Variance (ANOVA) for athletes' perspective of coaching behavioral patterns variables at National level in various games with dimension wise 1. Physical Training, 2. Technical Skill, 3. Mental Preparation, 4. Goal Setting, 5. Competition Strategies, 6. Personal Rapport, 7. Negative Personal Rapport, and 8. Overall.

Table 1

| Variables | | Sum of Squares | df | Mean Square | F | Sig. |
|---------------------------|----------------|----------------|----|-------------|--------|------|
| Physical Training | Between Groups | 309.733 | 5 | 61.947 | 3.928 | .003 |
| | Within Groups | 1324.667 | 84 | 15.770 | | |
| | Total | 1634.400 | 89 | | | |
| Technical Skill | Between Groups | 569.200 | 5 | 113.840 | 4.358 | .001 |
| | Within Groups | 2194.400 | 84 | 26.124 | | |
| | Total | 2763.600 | 89 | | | |
| Mental Preparation | Between Groups | 25.600 | 5 | 5.120 | .811 | .545 |
| | Within Groups | 530.000 | 84 | 6.310 | | |
| | Total | 555.600 | 89 | | | |
| Goalsetting | Between Groups | 292.456 | 5 | 58.491 | 5.959 | .000 |
| | Within Groups | 824.533 | 84 | 9.816 | | |
| | Total | 1116.989 | 89 | | | |
| Competition Strategies | Between Groups | 298.322 | 5 | 59.664 | 3.754 | .004 |
| | Within Groups | 1335.067 | 84 | 15.894 | | |
| | Total | 1633.389 | 89 | | | |
| Personal Rapport | Between Groups | 202.856 | 5 | 40.571 | 2.301 | .052 |
| | Within Groups | 1480.933 | 84 | 17.630 | | |
| | Total | 1683.789 | 89 | | | |
| Negative Personal Rapport | Between Groups | 1447.567 | 5 | 289.513 | 10.692 | .000 |
| | Within Groups | 2274.533 | 84 | 27.078 | | |
| | Total | 3722.100 | 89 | | | |
| Overall | Between Groups | 5218.000 | 5 | 1043.600 | 3.248 | .010 |
| | Within Groups | 26992.000 | 84 | 321.333 | | |
| | Total | 32210.000 | 89 | | | |

*significant set at 0.5 level 5, 89 (2.37))

Table-1 It was reveal that the calculated f- value for coaching behaviour scale like Sports Physical Training (3.92*), Technical Skill (4.35*), Mental Preparation (.811), Goal Setting (5.95*), Competition Strategies (3.75), Personal Rapport (2.30), Negative Personal Rapport (10.69*), and Overall (3.24) for each group of coaching behaviour scale for the dimension wise in various games of National level from

three Individual and three team games like Individual game (wrestling, weightlifting and judo) and team games (cricket, football and hockey) there was more than the tabulated f-value is 2.37 (degree of freedom = 5, 84), there was no significant deferent for Mental Preparation, and Competition Strategies, Personal Rapport and overall. And other four 4 dimension of coaching behavior scale like Physical Training ,

Technical Skill, Goalsetting and Negative Personal Rapport there are significant difference was calculated f value more than the tabulated f- value (2.37) for the Individual and Team games of participated at National level. The total eight 8

dimension of coaching behavior scale four dimension significant and four dimension no significant difference between all six (N=6) Individual and Team games.

Table 2: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the Physical training dimension of coaching behavior scale

| S.N. | Group mean | | | | | | MD | CD |
|------|------------|---------------|--------|---------|----------|--------|---------|------|
| | Wrestling | Weightlifting | Judo | Cricket | Football | Hockey | | |
| 1 | 42.000 | 41.800 | ----- | ----- | ----- | ----- | .2000 | 2.40 |
| 2 | 42.000 | ----- | 41.067 | ----- | ----- | ----- | .9333 | |
| 3 | 42.000 | ----- | ----- | 40.000 | ----- | ----- | 2.0000 | |
| 4 | 42.000 | ----- | ----- | ----- | 39.400 | ----- | 2.6000 | |
| 5 | 42.000 | ----- | ----- | ----- | ----- | 36.533 | 5.4667* | |
| 6 | ----- | 41.800 | 41.067 | ----- | ----- | ----- | .7333 | |
| 7 | ----- | 41.800 | ----- | 40.000 | ----- | ----- | 1.8000 | |
| 8 | ----- | 41.800 | ----- | ----- | 39.400 | ----- | 2.4000 | |
| 9 | ----- | 41.800 | ----- | ----- | ----- | 36.533 | 5.2667* | |
| 10 | ----- | ----- | 41.067 | 40.000 | ----- | ----- | 1.0667 | |
| 11 | ----- | ----- | 41.067 | ----- | 39.400 | ----- | 1.6667 | |
| 12 | ----- | ----- | 41.067 | ----- | ----- | 36.533 | 4.5333* | |
| 13 | ----- | ----- | ----- | 40.000 | 39.400 | ----- | .6000 | |
| 14 | ----- | ----- | ----- | 40.000 | ----- | 36.533 | 3.4667* | |
| 15 | ----- | ----- | ----- | ----- | 39.400 | 36.533 | 2.8667 | |
| 16 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | |

Table-2 reveal that the mean score of various games of National level Individual games (Wrestling, weightlifting and Judo) and Team games (Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (42.000) weightlifting (41.800), Judo (41.067), Cricket (40.000) Football (39.400), Hockey (36.533), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling and among groups weightlifting (41.800), Judo (41.067), Cricket (40.000) Football (39.400), of obtained mean difference value (MD) (.2000), (.9333), (2.000), (2.600) which was less than the critical difference value (CD) (2.40), there was no significance difference between wrestling and among groups weightlifting, Judo, Cricket and Football and there was significant difference between Wrestling (42.000) and Hockey (36.533) players Mean difference value MD value (5.4667) which was more than the critical difference value (CD) (2.40).

It was no significant difference between weightlifting (41.800) and among groups, Judo (41.067), Cricket (40.000) Football (39.400), MD value of (Judo .7333, Cricket 1.800

and Football 2.400) which was less than the critical difference value (CD) (2.40). And significant difference between

Weightlifting (41.800) and Hockey (36.533) MD (5.2667*) which was more than the critical difference value (CD) (2.40). There was no significance difference between Judo (41.067), and among groups Cricket (40.000) Football (39.400), MD value of (Cricket 1.0667 and Football 1.6667) which was less than the critical difference value (CD) (2.40). And significant difference between Judo (41.067) and Hockey (36.553) MD (4.5333*) which was more than the critical difference value (CD) (2.40).

There was no significance difference between Cricket (40.000) and Football (39.400), MD value of (.6000) which was less than the critical difference value (CD) (2.40). And significant difference between Cricket (40.000) and Hockey (36.553) MD (3.4667*) which was more than the critical difference value (CD) (2.40). It was no significant difference between Football (39.400) and Hockey (36.553) MD value of (2.8667) which was less than the critical difference value (CD) (2.40).

Table 3: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the Technical Skill dimension of coaching behavior scale

| S.N. | Group mean | | | | | | MD | CD |
|------|------------|---------------|-------|---------|----------|--------|---------|------|
| | Wrestling | Weightlifting | Judo | Cricket | Football | Hockey | | |
| 1 | 49.66 | 49.33 | ---- | ----- | ----- | ----- | .3333 | 3.09 |
| 2 | 49.66 | ----- | 48.46 | ----- | ----- | ----- | 1.2000 | |
| 3 | 49.66 | ----- | ----- | 46.53 | ----- | ----- | 3.1333 | |
| 4 | 49.66 | ----- | ----- | ----- | 44.93 | ----- | 4.7333* | |
| 5 | 49.66 | ----- | ----- | ----- | ----- | 42.66 | 7.0000* | |
| 6 | ----- | 49.33 | 48.46 | ----- | ----- | ----- | .8667 | |
| 7 | ----- | 49.33 | ----- | 46.53 | ----- | ----- | 2.8000 | |
| 8 | ----- | 49.33 | ----- | ----- | 44.93 | ----- | 4.4000* | |
| 9 | ----- | 49.33 | ----- | ----- | ----- | 42.66 | 6.6667* | |
| 10 | ----- | ----- | 48.46 | 46.53 | ----- | ----- | 1.9333 | |
| 11 | ----- | ----- | 48.46 | ----- | 44.93 | ----- | 3.5333 | |
| 12 | ----- | ----- | 48.46 | ----- | ----- | 36.533 | 5.8000* | |
| 13 | ----- | ----- | ----- | 46.53 | 44.93 | ----- | 1.6000 | |
| 14 | ----- | ----- | ----- | 46.53 | ----- | 42.66 | 3.8667* | |
| 15 | ----- | ----- | ----- | ----- | 44.93 | 42.66 | 2.2667 | |

Table-3 reveal that the mean score of various games (Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (49.66) weightlifting (49.33), Judo (48.46), Cricket (46.53) Football (44.93), Hockey (42.66), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (49.66) and among groups weightlifting (49.33), Judo (48.46), Cricket (46.53) of obtained mean difference value (MD) (.3333), (1.2000), (3.1333), which was less than the critical difference value (CD) (3.09), there was no significance difference between wrestling and among groups weightlifting, Judo, Cricket and Football and there was significant difference between wrestling (49.66 and Football (44.93), Hockey (42.66) players Mean difference value MD value (4.7333*), (7.0000*) which was more than the critical difference value (CD) (3.09).

It was no significant difference between weightlifting (49.33) and among groups, Judo (48.46), Cricket (46.53), MD value of (Judo .8667, Cricket 2.8000) which was less than the critical difference value (CD) (3.09). And the significant

difference between weightlifting (49.33) and among groups Football (44.93), Hockey (42.66), MD (4.4000*), (6.6667*) which was more than the critical difference value (CD) (3.09).

There was no significant difference between Judo (48.46), and among groups Cricket (46.53) Football (44.93), MD value of (Cricket 1.9333 and Football 3.5333) which was less than the critical difference value (CD) (3.09). And the significant difference between Judo (48.46) and Hockey (42.66) MD (5.8000*) which was more than the critical difference value (CD) (3.09).

There was no significant difference between Cricket (46.53) and Football (44.93), MD value of (1.6000) which was less than the critical difference value (CD) (3.09). And the significant difference between Cricket (46.53) and Hockey (42.66) MD (3.8667*) which was more than the critical difference value (CD) (3.09). It was no significant difference between Football (44.53) and Hockey (42.66) MD value of (2.2667) which was less than the critical difference value (CD) (3.09).

Table 4: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the mental preparation dimension of coaching behavior scale

| S.N. | Group mean | | | | | | MD | CD |
|------|------------|---------------|--------|---------|----------|--------|--------|-------|
| | Wrestling | Weightlifting | Judo | Cricket | Football | Hockey | | |
| 1 | 31.133 | 30.067 | ---- | ----- | ----- | ----- | 1.0667 | 22.85 |
| 2 | 31.133 | ----- | 30.267 | ----- | ----- | ----- | .8667 | |
| 3 | 31.133 | ----- | ----- | 30.733 | ----- | ----- | .4000 | |
| 4 | 31.133 | ----- | ----- | ----- | 29.867 | ----- | 1.2667 | |
| 5 | 31.133 | ----- | ----- | ----- | ----- | 29.533 | 1.6000 | |
| 6 | ----- | 30.067 | 30.267 | ----- | ----- | ----- | -.2000 | |
| 7 | ----- | 30.067 | ----- | 30.733 | ----- | ----- | -.6667 | |
| 8 | ----- | 30.067 | ----- | ----- | 29.867 | ----- | .2000 | |
| 9 | ----- | 30.067 | ---- | ----- | ----- | 29.533 | .5333 | |
| 10 | ----- | ----- | 30.267 | 30.733 | ----- | ----- | -.4667 | |
| 11 | ----- | ----- | 30.267 | ----- | 29.867 | ----- | .4000 | |
| 12 | ----- | ----- | 30.267 | ----- | ----- | 29.533 | .7333 | |
| 13 | ----- | ----- | ----- | 30.733 | 29.867 | ----- | .8667 | |
| 14 | ----- | ----- | ----- | 30.733 | ----- | 29.533 | 1.2000 | |
| 15 | ----- | ----- | ----- | ----- | 29.867 | 29.533 | .3333 | |

Table-4 reveal that the mean score of various games (Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (31.133) weightlifting (30.067), Judo (30.267), Cricket (30.733) Football (29.867), Hockey (29.533), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (49.66) and among groups wrestling (31.133) weightlifting (30.067), Judo (30.267), Cricket (30.733) Football (29.867), Hockey (29.533) of obtained mean difference value (MD) (1.0667), (.8667), (1.6000) (.4000), (1.2667) which was less than the critical difference value (CD) (22.85), t

It was no significant difference between weightlifting (30.067), and among groups, Judo (30.267), Cricket (30.733)

Football (29.867), Hockey (29.533) MD value of (Judo .2000, Cricket -.6667, football (.2000) and Hockey (.5333) which was less than the critical difference value (CD) (22.85). There was no significant difference between Judo (30.267), and among groups Cricket (30.733) Football (29.867), Hockey (29.533) MD value of (Cricket -.4667and Football .4000, Hockey (.7333) which was less than the critical difference value (CD) (22.85).

There was no significant difference between Cricket (30.733) and football (.2000) and Hockey (.5333), MD value of (.8667, 1.2000) which was less than the critical difference value (CD) (3.09). And the significant difference between football (.2000) and Hockey (29.533) MD (.3333) which was less than the critical difference value (CD) (22.85).

Table 5 Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the Goal Setting dimension of coaching behavior scale

| S.N. | Group mean | | | | | | MD | CD |
|------|------------|---------------|--------|---------|----------|--------|---------|----|
| | Wrestling | Weightlifting | Judo | Cricket | Football | Hockey | | |
| 1 | 38.533 | 38.200 | ---- | ----- | ----- | ----- | .3333 | |
| 2 | 38.533 | ----- | 35.933 | ----- | ----- | ----- | 2.6000* | |
| 3 | 38.533 | ----- | ----- | 35.067 | ----- | ----- | 3.4667* | |
| 4 | 38.533 | ----- | ----- | ----- | 34.733 | ----- | 3.8000* | |
| 5 | 38.533 | ----- | ----- | ----- | ----- | 33.600 | 4.9333* | |
| 6 | ----- | 38.200 | 35.933 | ----- | ----- | ----- | 2.2667 | |

| | | | | | | | | |
|----|-------|--------|--------|--------|--------|--------|---------|-------|
| 7 | ----- | 38.200 | ----- | 35.067 | ----- | ----- | 3.1333* | 1.900 |
| 8 | ----- | 38.200 | ----- | ----- | 34.733 | ----- | 3.4667* | |
| 9 | ----- | 38.200 | ----- | ----- | ----- | 33.600 | 4.6000* | |
| 10 | ----- | ----- | 35.933 | 35.067 | ----- | ----- | .8667 | |
| 11 | ----- | ----- | 35.933 | ----- | 34.733 | ----- | 1.2000 | |
| 12 | ----- | ----- | 35.933 | ----- | ----- | 33.600 | 2.3333* | |
| 13 | ----- | ----- | ----- | 35.067 | 34.733 | ----- | .3333 | |
| 14 | ----- | ----- | ----- | 35.067 | ----- | 33.600 | 1.4667 | |
| 15 | ----- | ----- | ----- | ----- | 34.733 | 33.600 | 1.1333 | |

Table-5 reveal that the mean score of various games (Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (38.533) weightlifting (38.200), Judo (35.933), Cricket (35.067) Football (34.733), Hockey (33.600), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (38.533) weightlifting (38.200), MD value (.3333) is less than CD (1.900) value. There was significance difference between Wrestling and among groups Judo (35.933), Cricket (35.067) Football (34.733), Hockey (33.600) obtained mean difference value (MD) (2.6000*), (3.4667**), (3.8000*), (4.9333*) which was greater than the critical difference value (CD) (1.900). It was significance difference between weightlifting (38.200)

and Judo (35.933 among groups Cricket (35.067), Football (34.733), players MD (2.2667), (3.1333*), (3.4667*), (4.6000*) which was more than the critical difference value (CD) (1.900.)

It was no significant difference between Judo (35.933) and among groups, Cricket (35.067) Football (34.733) MD value of (.8667, 1.2000) which was less than the critical difference value (CD) (1.90). And significant difference between Judo (35.933) and Hockey (33.600), MD (2.3333*), which was more than the critical difference value (CD) (3.09).

There was no significant difference between Cricket (35.067) and among groups Football (34.733), Hockey (33.600), MD value of (1.466 and 1.1333) which was less than the critical difference value (CD) (1.90).

Table 6: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the Competition Strategies dimension of coaching behavior scale

| S.N. | Group mean | | | | | | MD | CD |
|------|------------|---------------|--------|---------|----------|--------|---------|------|
| | Wrestling | Weightlifting | Judo | Cricket | Football | Hockey | | |
| 1 | 42.867 | 43.933 | ----- | ----- | ----- | ----- | -1.0667 | 2.41 |
| 2 | 42.867 | ----- | 42.000 | ----- | ----- | ----- | .8667 | |
| 3 | 42.867 | ----- | ----- | 42.133 | ----- | ----- | .7333 | |
| 4 | 42.867 | ----- | ----- | ----- | 40.467 | ----- | 2.4000 | |
| 5 | 42.867 | ----- | ----- | ----- | ----- | 38.267 | 4.6000* | |
| 6 | ----- | 43.933 | 42.000 | ----- | ----- | ----- | 1.9333 | |
| 7 | ----- | 43.933 | ----- | 42.133 | ----- | ----- | 1.8000 | |
| 8 | ----- | 43.933 | ----- | ----- | 40.467 | ----- | 3.4667* | |
| 9 | ----- | 43.933 | ----- | ----- | ----- | 38.267 | 5.6667* | |
| 10 | ----- | ----- | 42.000 | 42.133 | ----- | ----- | -.1333 | |
| 11 | ----- | ----- | 42.000 | ----- | 40.467 | ----- | 1.5333 | |
| 12 | ----- | ----- | 42.000 | ----- | ----- | 38.267 | 3.7333* | |
| 13 | ----- | ----- | ----- | 42.133 | 40.467 | ----- | 1.6667 | |
| 14 | ----- | ----- | ----- | 42.133 | ----- | 38.267 | 3.8667* | |
| 15 | ----- | ----- | ----- | ----- | 40.467 | 38.267 | 2.2000 | |

Table-6 reveal that the mean score of various games (Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (42.867) weightlifting (43.933), Judo (42.000), Cricket (42.133) Football (40.467), Hockey (38.267), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (49.66) and among groups weightlifting (43.933), Judo (42.000), Cricket (42.133) Football (40.467) of obtained mean difference value (MD) (1.0667), (.8667), (.7333), (2.4000) which was less than the critical difference value (CD) (2.41). There was significance difference between wrestling and Hockey (38.267), Mean difference value MD value (4.6000*), which was more than the critical difference value (CD) (2.41).

It was no significant difference between weightlifting (43.933) and among groups, Judo (42.000), Cricket (42.133) , MD value of (1.9333, 1.8000) which was less than the critical

difference value (CD) (2.41). And the significant difference between weightlifting (43.933) and among groups Football (40.467), Hockey (38.267), MD (3.4667**), (5.6667*) which was more than the critical difference value (CD) (2.41).

There was no significant difference between Judo (48.46), and among groups Cricket (42.133) and Football (40.467), MD value of (-.1333 and 1.5333) which was less than the critical difference value (CD) (2.41). And significant difference between Judo (48.46), and Hockey (38.267) MD (3.7333*) which was more than the critical difference value (CD) (2.41).

There was significant difference between Cricket (42.133) and Football (40.467), MD value of (3.8667) which was less than the critical difference value (CD) (2.41). And the no significant difference between Cricket (42.133) and Hockey (38.267) MD (2.2000) which was more than the critical difference value (CD) (2.41).

Table 7: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the Personal Report dimension of coaching behavior scale

| S.N. | Group mean | | | | | | MD | CD |
|------|------------|---------------|-------|---------|----------|--------|---------|------|
| | Wrestling | Weightlifting | Judo | Cricket | Football | Hockey | | |
| 1 | 37.0 | 34.2 | ----- | ----- | ----- | ----- | 2.7333 | 2.54 |
| 2 | 37.0 | ----- | 35.20 | ----- | ----- | ----- | 1.8000 | |
| 3 | 37.0 | ----- | ----- | 36.20 | ----- | ----- | .8000 | |
| 4 | 37.0 | ----- | ----- | ----- | 33.60 | ----- | 3.4000* | |
| 5 | 37.0 | ----- | ----- | ----- | ----- | 32.60 | 4.4000* | |
| 6 | ----- | 34.2 | 35.20 | ----- | ----- | ----- | -.9333 | |
| 7 | ----- | 34.2 | ----- | 36.20 | ----- | ----- | -1.9333 | |
| 8 | ----- | 34.2 | ----- | ----- | 33.60 | ----- | .6667 | |
| 9 | ----- | 34.2 | ----- | ----- | ----- | 32.60 | 1.6667 | |
| 10 | ----- | ----- | 35.20 | 36.20 | ----- | ----- | -1.0000 | |
| 11 | ----- | ----- | 35.20 | ----- | 33.60 | ----- | -1.0000 | |
| 12 | ----- | ----- | 35.20 | ----- | ----- | 32.60 | 1.6000 | |
| 13 | ----- | ----- | ----- | 36.20 | 33.60 | ----- | 2.6000 | |
| 14 | ----- | ----- | ----- | 36.20 | ----- | 32.60 | 2.6000 | |
| 15 | ----- | ----- | ----- | ----- | 33.60 | 32.60 | 3.6000* | |
| | | | | | | | 1.0000 | |

Table-7 reveal that the mean score of various games (Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (37.00) weightlifting (34.2), Judo (35.20), Cricket (36.20) Football (33.60), Hockey (32.60), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (49.66) and among groups weightlifting (43.933), Judo (42.000), Cricket (42.133)) of obtained mean difference value (MD) (2.7333), (1.8000), (.8000), (2.4000) which was less than the critical difference value (CD) (2.41). There was significance difference between wrestling (37.00) and among groups Football (40.467) and Hockey (32.60), Mean

difference value MD value (3.4000*, 4.4000*), which was more than the critical difference value (CD) (2.54). It was significant difference between weightlifting (34.2), and among groups Judo (35.20), Cricket (36.20) Football (33.60), Hockey (32.60), MD value of (1.0000, 1.6000, and 2.6000) which was less than the critical difference value (CD) (2.54). There was no significant difference between Cricket (36.20) and (32.60), and among groups Football (33.60), Hockey, MD value of (2.6000, 2.6000) which was less than the critical difference value (CD) (2.41). And significant difference between Football (33.60), Hockey MD (3.6000*) which was more than the critical difference value (CD) (2.41).

Table 8: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the Negative Personal Report dimension of coaching behavior scale

| S.N. | Group mean | | | | | | MD | CD |
|------|------------|---------------|--------|---------|----------|--------|-----------|-------|
| | Wrestling | Weightlifting | Judo | Cricket | Football | Hockey | | |
| 1 | 21.400 | 16.467 | ---- | ----- | ----- | ----- | 4.9333* | 47.34 |
| 2 | 21.400 | ----- | 20.133 | ----- | ----- | ----- | 1.2667 | |
| 3 | 21.400 | ----- | ----- | 28.533 | ----- | ----- | -7.1333* | |
| 4 | 21.400 | ----- | ----- | ----- | 24.867 | ----- | -3.4667 | |
| 5 | 21.400 | ----- | ----- | ----- | ----- | 26.00 | -4.6000* | |
| 6 | ----- | 16.467 | 20.133 | ----- | ----- | ----- | -3.6667 | |
| 7 | ----- | 16.467 | ----- | 28.533 | ----- | ----- | -12.0667* | |
| 8 | ----- | 16.467 | ----- | ----- | 24.867 | ----- | -8.4000* | |
| 9 | ----- | 16.467 | ----- | ----- | ----- | 26.00 | -9.5333* | |
| 10 | ----- | ----- | 20.133 | 28.533 | ----- | ----- | -8.4000* | |
| 11 | ----- | ----- | 20.133 | ----- | 24.867 | ----- | -4.7333* | |
| 12 | ----- | ----- | 20.133 | ----- | ----- | 26.00 | -5.8667* | |
| 13 | ----- | ----- | ----- | 28.533 | 24.867 | ----- | 3.6667 | |
| 14 | ----- | ----- | ----- | 28.533 | ----- | 26.00 | 2.5333 | |
| 15 | ----- | ----- | ----- | ----- | 24.867 | 26.00 | -1.1333 | |

Table-8 reveal that the mean score of various games (Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (21.400) weightlifting (16.467), Judo (20.133), Cricket (28.533) Football (24.867), Hockey (26.00), were found superior to wrestling mean value hence it is concluded that there is significant difference between wrestling (21.400) and weightlifting (16.467), MD value (4.9333*) is more than CD (3.15) value. There was no significance difference between Wrestling (21.400) and Judo (20.133), obtained mean difference value (MD) (1.2667), which was less than the critical difference value (CD) (3.15). It was significance difference between Wrestling (21.400) and Cricket (28.533) Football (24.867), Hockey (26.00),, players MD (-7.1333*), (-

3.4667*), (-4.6000*), which was more than the critical difference value (CD) (3.15)

Weightlifting

It was no significant difference between weightlifting (16.467), and Judo (20.133), MD value of (3.6667) which was less than the critical difference value (CD) (1.90). And significant difference between weightlifting (16.467) and among groups Cricket (28.533) Football (24.867), Hockey (26.00), MD (12.0667*, 8.4000* -9.5333**), which was more than the critical difference value (CD) (3.15).

Judo

There was significant difference between Judo (20.133), and

among groups Cricket (28.533) Football (24.867), Hockey (26.00), MD value of (-8.4000, -4.7333* -5.8667*) which was more than the critical difference value (CD) (3.15).

Cricket

There was no significant difference between Cricket (28.533) and among groups Football (24.867), Hockey (26.00) MD

value of (3.6667, 2.5333) which was more than the critical difference value (CD) (3.15).

Football

There was no significant difference between Football (24.867) and Hockey (26.00) MD value of (-1.1333) which was more than the critical difference value (CD) (3.15).

Table 9: Multiple competition (LSD with Post Hoc Test) of Team and Individual games of National level Players for the Over All dimension of coaching behaviour scale

| S.N. | Group mean | | | | | | MD | CD |
|------|------------|---------------|--------|---------|----------|--------|----------|-------|
| | Wrestling | Weightlifting | Judo | Cricket | Football | Hockey | | |
| 1 | 262.600 | 254.067 | ----- | ----- | ----- | ----- | 8.5333 | 10.87 |
| 2 | 262.600 | ----- | 253.06 | ----- | ----- | ----- | 9.5333 | |
| 3 | 262.600 | ----- | ----- | 259.200 | ----- | ----- | 3.4000 | |
| 4 | 262.600 | ----- | ----- | ----- | 247.867 | ----- | 14.7333* | |
| 5 | 262.600 | ----- | ----- | ----- | ----- | 26.00 | 23.4000* | |
| 6 | ----- | 254.067 | 253.06 | ----- | ----- | ----- | 1.0000 | |
| 7 | ----- | 254.067 | ----- | 259.200 | ----- | ----- | -5.1333 | |
| 8 | ----- | 254.067 | ----- | ----- | 247.867 | ----- | 6.2000 | |
| 9 | ----- | 254.067 | ----- | ----- | ----- | 26.00 | 14.8667* | |
| 10 | ----- | ----- | 253.06 | 259.200 | ----- | ----- | -6.1333 | |
| 11 | ----- | ----- | 253.06 | ----- | 247.867 | ----- | 5.2000 | |
| 12 | ----- | ----- | 253.06 | ----- | ----- | 26.00 | 13.8667* | |
| 13 | ----- | ----- | ----- | 259.200 | 247.867 | ----- | 11.3333 | |
| 14 | ----- | ----- | ----- | 259.200 | ----- | 26.00 | 20.0000* | |
| 15 | ----- | ----- | ----- | ----- | 247.867 | 26.00 | 8.6667 | |

Table-9 reveal that the mean score of various games (Cricket, Football and Hockey) players of coaching behavior scale of dimension wise mean value of wrestling (262.600) weightlifting (254.06), Judo (253.06), Cricket (259.200) Football (247.867), Hockey (26.00), were found superior to wrestling mean value hence it is concluded that there is no significant difference between wrestling (262.600) and among groups weightlifting (254.06), Judo (253.06), and Cricket (259.200) MD value (8.5333, 9.5333, 3.4000*) is more than CD (10.87) value. There was significance difference between wrestling (262.600) and among groups Football (247.867), Hockey (26.00) obtained mean difference value (MD) (14.7333, 23.4000*), which was more than the critical difference value (CD) (10.87).

Weightlifting

It was no significant difference between weightlifting (254.06), and among groups Judo (253.06), Cricket (259.200) Football (247.867) MD value of (1.0000, -5.1333, and 6.2000) which was less than the critical difference value (CD) (10.87). And significant difference between weightlifting (254.06) and Hockey (26.00) MD (14.8667*), which was more than the critical difference value (CD) (10.87). Judo There was no significant difference between Judo (253.06), and among groups Cricket (259.200) Football (247.867), MD value of (-6.1333, 5.2000) which was less than the critical difference value (CD) (10.87). And significant difference between Judo (253.06), and Hockey (26.00) MD (13.8667), which was more than the critical difference value (CD) (10.87).

Cricket

There was no significant difference between Cricket (259.200) and Football (247.867) MD value of (11.3333,) which was less than the critical difference value (CD) (10.87). And significant difference between Cricket (259.200) and Hockey (26.00) MD value (20.0000*) which was more than the critical difference value (CD) (10.87).

Football

There was no significant difference between Football (247.867 and Hockey (26.00) MD value of (8.6667) which was more than the critical difference value (CD) (10.87).

Discussion of Findings

The reason of these differences can be associated with above results this is probably due to the different nature of the physical components training and pre-requisite for students. Number of participation and level of participation. The reason may be attributed that the physically trained student or level of achievements and taken deferent types nutrition food. These results may be due to a small sample of size and other factors such as different types of body, differences in body composition. These results may be nutrition diet schedule deference. The reason may be Psychological variables like stress, sports competition anxiety, aggression, fear, motivation confidence, attention concentration etc.

Conclusions

According to objectives of the study the following conclusions were drawn:

According to objectives of the study the following conclusions were drawn:

- There was significance difference Mean score f-value, of perspective of coaching behavioral patterns at National level in various games with dimension wise dimension of Physical Training, Technical Skill Goal Setting, Negative Personal Rapport.
- There was significance difference between Wrestling and Hockey, Wrestling and Hockey, Judo and Hockey and Cricket and Hockey for the National level Players for of Physical training dimension of coaching behavior scale
- There was significance difference between Wrestling and Football, Wrestling and Hockey Wrestling and Football, Wrestling and Hockey, Judo and Hockey and Cricket and Hockey for the National level Players for of

Technical Skill dimension of coaching behavior scale

- There was no significance difference between all individual and team games players of National level Players for of mental preparation dimension of coaching behavior scale
- There was significance difference between (Wrestling and Judo, Cricket, Football, Hockey) (Between Weightlifting and Judo, Cricket, Football, Hockey) between Judo and Hockey, for the National level Players of Goal Setting dimension of coaching behavior scale
- There was significance difference between Wrestling and Hockey Wrestling and Football, Weightlifting and Football, Weightlifting and Hockey, Judo and Hockey and Football and Hockey for the Competition Strategies dimension of coaching behavior scale
- There was significance difference between Wrestling and Cricket, Wrestling and Football, Cricket and Hockey for the Personal Report dimension of coaching behavior scale
- There was significance difference between (Wrestling and weightlifting, Cricket, Football, Hockey) (Between Weightlifting and, Cricket, Football, Hockey) (between Judo and Cricket, Football, Hockey), for the National level Players of Goal Setting dimension of coaching behavior scale.
- There was significance difference between Wrestling and Football, Wrestling and Hockey, Weightlifting and Football, Weightlifting and Hockey, Judo and Hockey, Cricket and Hockey for the Over All dimension of coaching behavior scale.

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