

**COMPARISON OF REACTION TIME AND COORDINATION BETWEEN
NCC SD CADET AND BACHELOR OF
PHYSICAL EDUCATION MALE STUDENTS**

Dissertation

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The dissertation is satisfactory from the point of content and language and fulfils the requirements related to M.P. Ed degree thus approved and forwarded for the evaluation.

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Declaration

I do hereby declare that research work entitles “**Comparison of reaction time and coordination between ncc sd cadet and bachelor of Physical education male students**” is an original piece of work done by me under the supervision of Dr. Anjan Konai, assistant professor, Department of Physical Education, Mugberia Gangadhar Mahavidyalaya. I have specified, by means of reference, the source of information.

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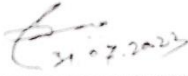
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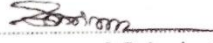
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for the paper MPCC - 403 in the year 2023

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Dedicated To

My

Parents

&

Respected Teachers

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ABBREVIATION

1.	Cm	Centimeter
2.	Yrs	Years
3.	Ht	Height
4.	Kg	Kilogram
5.	Wt	Weight
6.	Min	Minute
7.	Sec	Second
8.	Mn	Mean
9.	Sd	Stander Deviation
10.	No	Number
11.	fig	Figure
12	NCC (SW)	National Cadet Corps and Senior Wing
13	B.P.Ed	Bachelor of Physical Education
14	H.R.T	Hand Reaction Time
15	F.R.T	Foot Reaction Time
16	C.B	Catching Ball
17	T.B	Throwing Ball
18	E.F.C	Eye Foot Coordination
19	in	Inch
20	df	Degrees of Freedom

CHAPTER- V

SUMMARY, CONCLUSION AND RECOMMENDATION

In this chapter summary of the total work done in this dissertation as describe in previous chapter has been delimited. The conclusions drawn from the result and recommendations for future research work have also been presented here.

5.1 SUMMARY OF THE STUDY

In our country marching is the well-practiced and an important component of activity in Army. C.R.P.F., Police, N.C.C., Scout, St. Johon Ambulance and in physical education also. Discipline is an essential and important component to grow up and built behavior. For a true educated person to manifest his/her personality, rules & regulations play an important role. It should bring up from very earlier of childhood which includes at an individual's posture of sitting, walking, running will be within body without body postural deformities., as well as personality which can be achieved by marching

Apart from physical, mental & social qualities marching helps, in developing the attraction of several programs like - annual sports day of school, college & university. National days etc.

PURPOSE OF THE STUDY: -

- i.** To compare the difference in reaction time between N.C.C SD cadets and B.P. Ed male students.
- ii.** To compare the difference in coordination between B.P. Ed male students and N.C.C SD cadets.
- iii.** To understand the reaction time and coordination level of N.C.C SD cadets and B.P. Ed male students.
- iv.** Study of the literature which was followed by the investigation from the year of 2000 to 2022 are mentioned in this chapter 2. Chapter deals with literature related to the present study. The investigator and researcher got an idea of the work that has already particular field and also how much in needed to draw proper conclusion.

Study of the literature which was followed by the investigation from the year of 2000 to 2022 are mentioned in this chapter 2. Chapter deals with literature related to the present study. The investigator and researcher got an idea of the work that has already particular field and also how much in needed to draw proper conclusion.

Chapter 3, the methodology deals the subject, criterion measure, instruments, and tools used the design and procedure for collection data administering and test for the study were described. The selection of the subject was considered. Total 100 subject were selected as subjects from Purba Medinipur districts of West Bengal for the present study. Out of 100 subject 50 were selected form NCC SD 2nd year cadet and 50 were selected form B.P. Ed 4th semester students. The age range of the subjects between 18 to 23 years. The B.P. Ed students were selected form Mugberia Gangadhar Mahavidyalaya, Panskura Banamali College and the NCC cadet were selected form Mugberia Gangadhar Mahavidyalaya, Bajkul Milani Mahavidyalaya and Vivekananda Mission Mahavidyalaya. For the measured of reaction time and coordination, the test includes Hand reaction time test (Nelson stick drop test), Foot reaction time test (Nelson stick drop test), Catching test items, Throwing a ball at a target, Eye foot coordination. All the tests were conduct through standard procedure as par test manual. After collecting the data stander statistical procedure were used for the analysed of data.

All the data were statically treated and are present in chapter 4in table form of figure and also graphically represented as per design of the study. This was followed by ‘t’ - Test was obtained the significant level of the test. For statistical interpretation of data level of significant for ‘t’ - Test has been set as 0.05 level.

From the table No-1 it was found that mean value and SD of Age of NCC SD and B.P.Ed group were 19.52 ± 0.84 and 22.38 ± 0.81 respectively. On the other hand mean and SD value of height of NCC and B.P.Ed groups were 170.44 ± 3.98 and 164.98 ± 7.47 and also mean and SD value of weight of NCC and B.P.Ed groups were 57.9 ± 6.85 and 57.8 ± 7.10 respectively. comparing the mean data of the groups it observed the students were homogeneous in personal data

Form the table no – 2 it was observed that the mean and SD of Hand reaction time of NCC and B.P.Ed group were $.30 \pm .08$ and $.31 \pm .09$ respectively. Comparing the mean value Hand

reaction time between NCC and B.P.Ed groups 't' – value was found .424 which was statistically not significant at 0.05 level.

Form the table no – 3 it was observed that the mean and SD of Foot reaction time of NCC and B.P. Ed group were $.31 \pm .09$ and $.46 \pm .07$ respectively. Comparing the mean value Foot reaction time between NCC and B.P. Ed groups 't' – value was found 9.236 which was statistically significant at 0.05 level.

Form the table no – 4 it was observed that the mean and SD of Catching test items of NCC and B.P. Ed group were $4.86 \pm .35$ and $4.74 \pm .53$ respectively. Comparing the mean value Catching test items between NCC and B.P. Ed groups 't' – value was found 1.340 which was not statistically not significant at 0.05 level.

Form the table no – 5 it was observed that the mean and SD of Throwing a ball at a target of NCC and B.P. Ed group were 2.00 ± 1.03 and 3.04 ± 1.03 respectively. Comparing the mean value Throwing a ball at a target between NCC and B.P. Ed groups 't' – value was found 5.050 which was statistically significant at 0.05 level.

Form the table no – 6 it was observed that the mean and SD of Eye foot coordination of NCC and B.P. Ed group were 7.66 ± 2.35 and 6.32 ± 1.2 respectively. Comparing the mean value Eye foot coordination between NCC and B.P. Ed groups 't' – value was found 3.537 which was statistically significant at 0.05 level.

5.2 CONCLUSION

With the limitation of the study the following conclusion were drawn: -

- i.** In Hand reaction time *there was no significant* difference was found between N.C.C SD cadets and B.P. Ed male students.
- ii.** In Foot reaction time *there was significant* difference was found between N.C.C SD cadets and B.P. Ed male students.
- iii.** In Catching test item *there was no significant* difference was found between N.C.C SD cadets and B.P. Ed male students.

- iv. In Throwing a ball at a target *there was significant* difference was found between N.C.C SD cadets and B.P. Ed male students.
- v. In Eye foot coordination *there was significant* difference was found between N.C.C SD cadets and B.P. Ed male students.

5.3 RECOMMENDATION

An interested researcher may take up future studies in light of the finding of the present study in the following area:

-

- i. *The study may be conducted with large number of samples.*
- ii. *The same study may be conducted for Female group.*
- iii. *The study might be conducted of others games.*
- iv. *The study might be conducted of others Physical fitness component.*