

COMPUTER FACILITY AND ITS USAGES AMONG THE HIGH SCHOOL PHYSICAL EDUCATION TEACHERS

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Abstract: The purpose of this survey is to study and to compare the Computer Facility and its Usage among the Physical Education Teachers of the Government High schools and Private High schools in Chikkaballapur District. Physical Education Teachers who are working in various high schools situated in Chikkaballapura District where selected as subject for the study. For the present study 30 Physical Education teachers were selected randomly from the various high schools situated in Chikkaballapur Districts. 15 physical education teachers selected each from government high schools and private high schools. Computer facilities and its usages among high schools physical education teachers will be measured with a questionnaire. A questionnaire was constructed with adequate number of questions containing of personal details, working experience, computer facilities and usages of computers facilities among physical education teachers in high schools. 5 point Likert scale was used to measure the usages of computer facilities among high school Physical Education teacher. The questionnaire will be administered to the subjects to obtain their responds. Follow-up procedure will be adopted to obtain maximum response from the subject. After obtained the response it would be tabulated and analyzed. Percentage was calculated to analyze the response of the subjects pertaining to computer facility according to their choice. The data was represented on graphs and were analyzed on the basis of percentages and responses. Findings say private high schools are having sophisticated computer facilities than the government high schools. In the study found that private high school physical education teachers are using more computer facilities than the government high school physical education teachers. It was found that all the physical education teachers are had Basic computer knowledge course. As all the physical education teachers are had basic knowledge of computer so we can assume that they are efficient to use available computer facilities in the school physical education curriculum.

Keywords: Computer facility, high school physical education teachers, Attitude.

I. INTRODUCTION

We are all living in an information age where news and ideas are being exchanged not only between human beings but also between giant computes and data processing machines. This has been made possible due to large communication networks. Computers have an indispensable tool used in majority of the daily routine activities.

Computers Technology has greatly modernized the way physical education and sports should be. It impacts health, physical education, recreation, and dance educators in the areas of research, classroom teaching and distance education. Computer Science has become an important inter-disciplinary partner for physical education and sports. This way Physical education has its branches of sports psychology, sports Statistics, Bio-chemistry, Sports Medicine, Kinesiology and Bio-mechanics etc. taking into consideration its association with other disciplines and its various aspects, computer can be used and are being used in physical education and sports.

Ultimately researcher believes that education must prepare young people for the real world - and computer technology is an important element of life after school. The use of computers in Physical education opens a new area of knowledge and

offers a tool that has the potential to change some of the existing educational methods. The Physical Education teacher is the key to the effective exploitation of this resource in the educational system. As computer use continues to increase in society, Physical education teachers must also prepare for the use of computers within the classroom. So, Physical education teacher should have computer knowledge and its usability to compete and get success in their field of endeavor. Hence, researcher found that there is a need to study and compare the Computer Facility and its Usages among the High School Physical Education Teachers of both the Government High-schools and Private High-schools in Chikkaballapur District.

II. STATEMENT OF PROBLEM

The purpose of this survey is to study and to compare the Computer Facility and its Usage among the Physical Education Teachers of the Government High schools and Private High schools in Chikkaballapur District.

III. HYPOTHESIZE OF THE STUDY

It was hypothesized that Private high schools are having more computer facilities than the government high schools. It was also hypothesized that computer usability among physical education teachers who are working in private high school is more than the government high school physical education teachers. It was also hypothesized that most of the physical education teacher are done basic computer knowledge course. It was also hypothesized that physical education teachers are not efficient to use available computer facilities in the school physical education curriculum.

IV. DELIMITATIONS

Study was delimited to 40 Physical Education Teachers working in Government and Private high schools coming under Chikkaballapur District. 20 Physical Education Teachers each from government high school and private high schools were selected. Questionnaire method is adopted for collection of data.

V. LIMITATIONS

For collection of the data questionnaire method was used. The response obtained from the subject was treated as correct and genuine. The questionnaire which is going to be adopted was constructed by the research scholar, which is not a standardized one.

VI. SIGNIFICANCE OF THE STUDY

The study may help to know the computer facilities and its usages among high school physical education teachers. The study may reveal the difference in computer facilities and its usage among the government and private high school physical education teacher. The result may help the physical education teacher to know the appropriate usages and utility of computer facility in Physical Education and sports programme in high school. The study may help to know the usability of computer facility and how to incorporate them in Physical education and sports Programme in high schools.

VII. METHODOLOGY

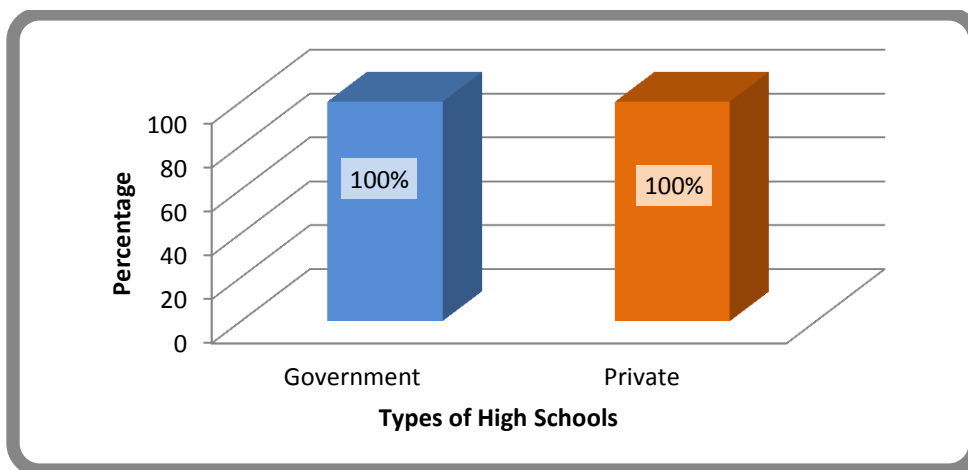
Physical education is an integral part of the total educational process and recently it has become a part of curriculum. Every school is appointing physical education teacher to handle physical education classes. So, researcher found that there is need to find out computer facilities and its usability among high school physical education teachers. In this chapter researcher explained the selection of the subject, Selection of the subjects, tools for collection of data, collection of data and statistical procedure. Physical Education Teachers who are working in various high schools situated in Chikkaballapura District where selected as subject for the study. For the present study 30 Physical Education teachers were selected randomly from the various high schools situated in Chikkaballapur Districts. 15 physical education teachers selected each from government high schools and private high schools. Computer facilities and its usages among high schools physical education teachers will be measured with a questionnaire. A questionnaire was constructed with

adequate number of questions containing of personal details, working experience, computer facilities and usages of computers facilities among physical education teachers in high schools. 5 point Likert scale was used to measure the usages of computer facilities among high school Physical Education teacher. The questionnaire will be administered to the subjects to obtain their responds. Follow-up procedure will be adopted to obtain maximum response from the subject. After obtained the response it would be tabulated and analyzed. Percentage was calculated to analyze the response of the subjects pertaining to computer facility according to their choice. The data was represented on graphs and were analysed on the basis of percentages and responses.

VIII. ANALYSIS AND INTERPRETATION OF DATA

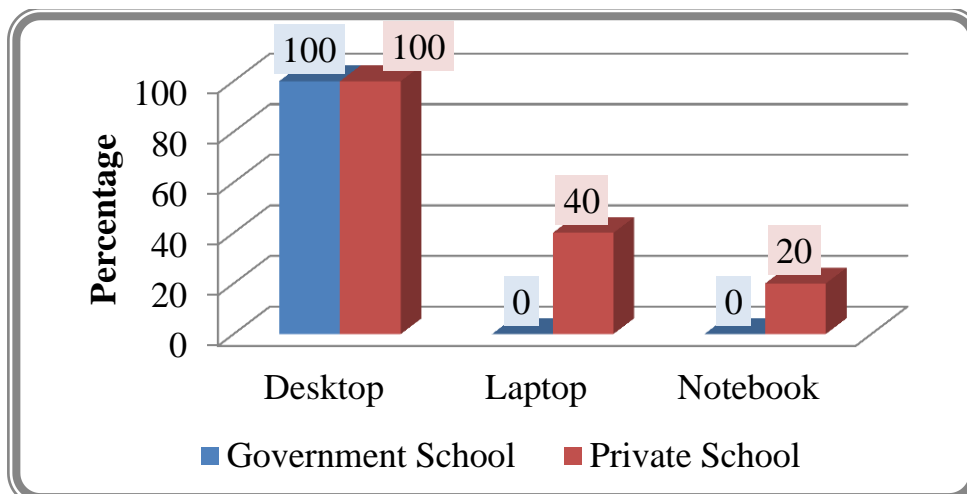
In this chapter the investigator analyzed the data by applying statistical procedures, presented through graphs and tables and interpreted the data to test the hypothesize which are presented in first chapter. There by the result of the study might be helpful to the educationalists and professional colleagues to reform the present conditions of high school physical education program by providing and inculcating computer technology.

Graph – 1
Percentage of High School Physical Education Teachers had Basic Computer Knowledge Course



Above graph says that 100% of government and private high school physical education teachers are done basic computer knowledge course. So we can say that Physical Education teachers of both types of high schools are efficient to use available computer facilities in the school physical education curriculum.

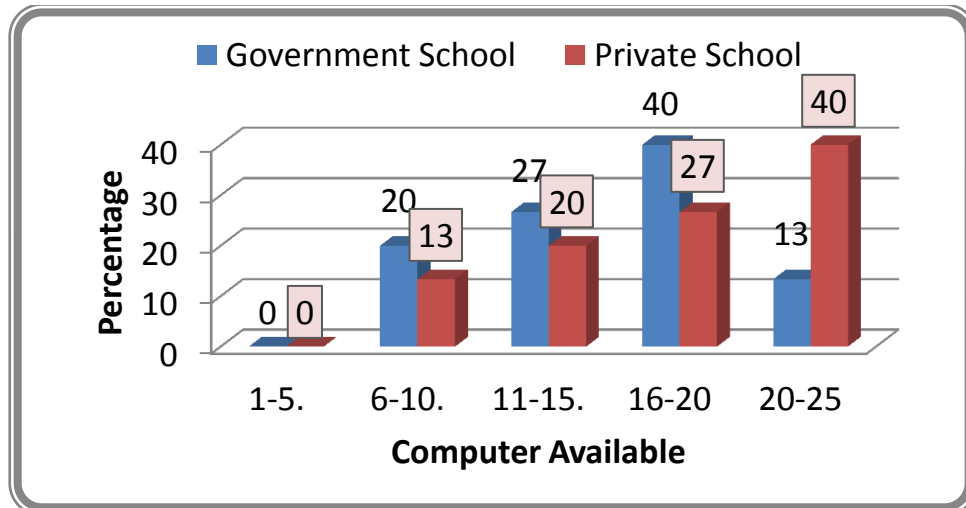
Graph – 2
Percentage of High Schools Available With Different Types of Computers



Above graph shows that 100% of Government and Private high schools are having desktop types of computers. 40% of Private high schools have Laptops and 20% of Private high schools have Notebook. So, from the data we can conclude that private high schools are having sophisticated computer facilities than the government high schools.

Graph – 3

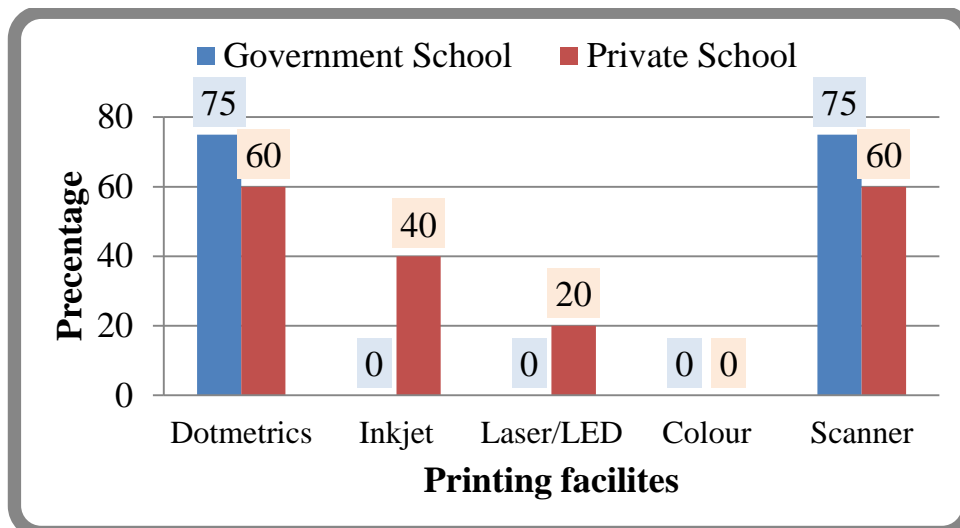
Percentage of Amount of Computers Available In Government High Schools and Private High Schools



Above graph shows 20%, 27%, 40% and 13% government schools are available with 6-10, 11-15, 16-20 and 20-25 range numbers of computers respectively. In private high schools 13%, 20%, 27% and 40% of schools are having 6-10, 11-15, 16-20 and 20-25 range numbers of computers respectively. Hence from the data we can conclude that most of the private schools are having more number of computer systems than the government schools.

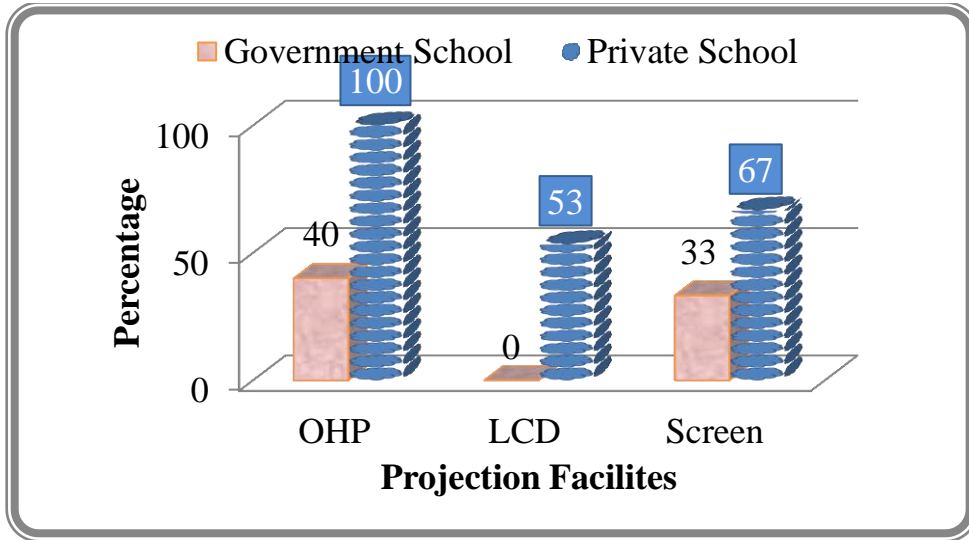
Graph – 4

Percentage of High Schools available with Printing and Scanning Facilities



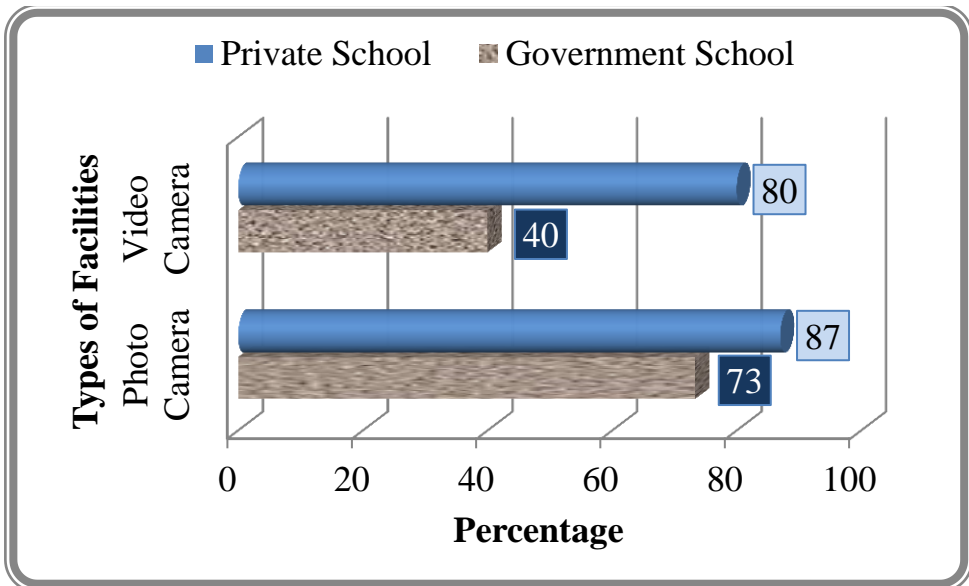
Above graph shows that 75% of government schools are avail with Dot-metric Printers and Scanners each. In private schools and 60%, 40%, 20% and 60% of schools are available with Dot-metric printers, Inkjet printers, Laser/LED Printers and scanners respectively. Hence we can clearly say that private schools are available with more number of varieties printers when compared with government schools. We can also conclude from the graph that more numbers private schools are scanners than the private schools.

Graph – 5
 Percentage of High Schools Available With Projection Facilities



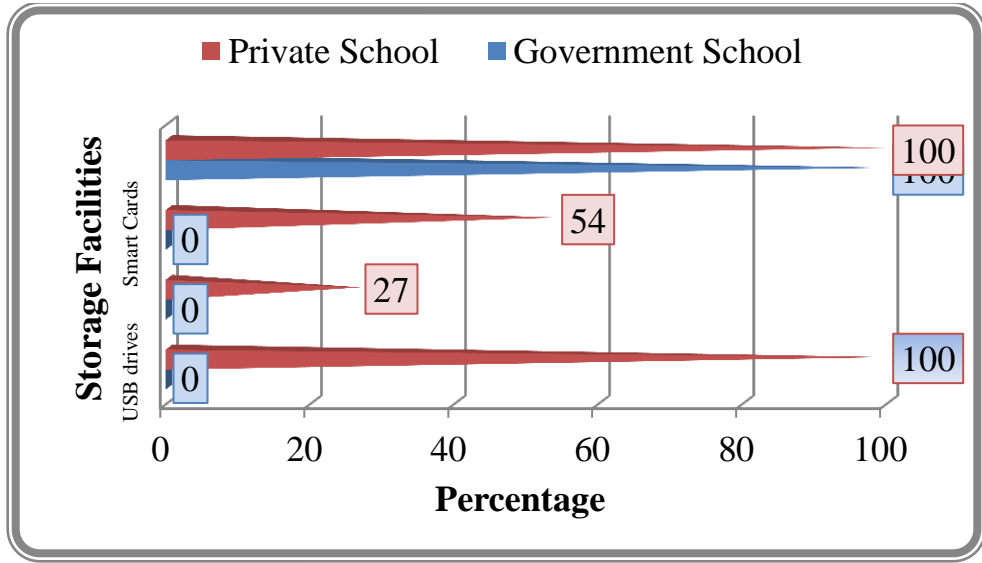
Above table shows that 40% and 33% of government high schools are have Over Head Projector (OHP) and Projection Screens respectively and all the government schools are not having LCD projector facilities. Hundred percent, 53% and 67% of private high schools are having OHP, LCD projector and projection screen respectively. So, from the data we can conclude that all the private schools are having one or the other projection facilities but only few government schools are not having projection facilities.

Graph – 6
 Percentage of High Schools Available with Photo camera and Video Camera Facilities



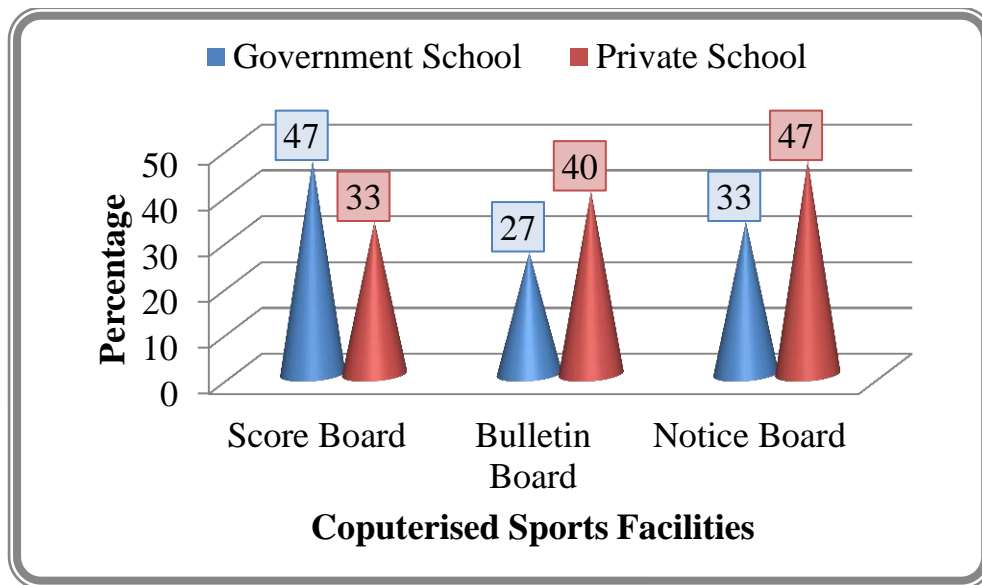
Above graph shows that 80% and 87% of Private High Schools are having Video Camera and Photo Camera respectively. 40% and 73% of Government High schools are having Video Camera and Photo Camera respectively. Hence we can conclude that more number of private high schools is having Photo and Video Camera facilities than the Government High Schools.

Graph – 7
Percentage of High Schools Available with Photo and Video Camera Facilities



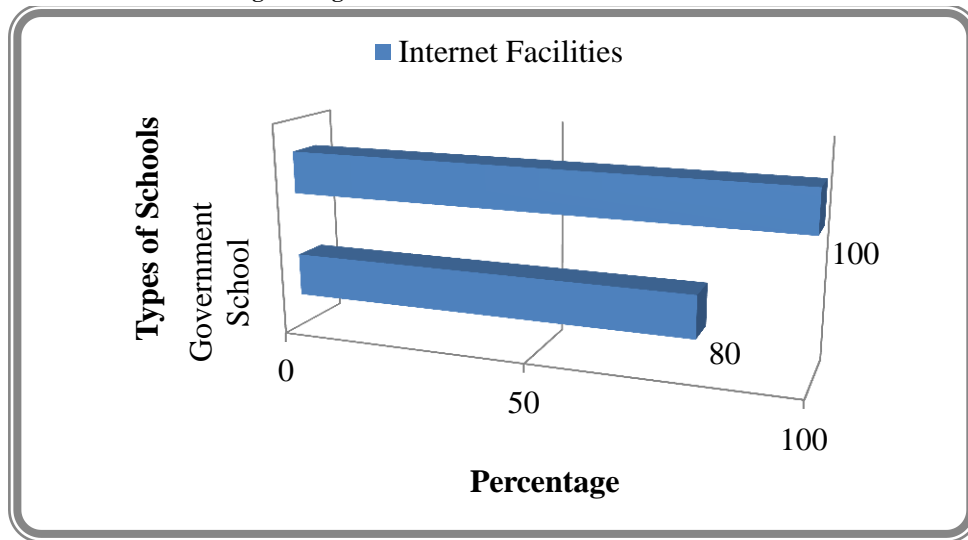
Above graph shows that 100% of Government high schools are only facilitated with CD's/DVD's as data storage facilities where as 100%, 27%, 54%, 100% of private high schools are available with USB drives, External Hard Drives, Smart Card and CD/DVD's as data storage devices. So it is clear that private schools are having more varieties and advanced computer storage facilities than the government high schools.

Graph – 8
Percentage of High Schools Available With Computerized Sports Facilities



Above graph shows that 47%, 27% and 33% of government high schools are having computerized Score Board, Bulletin Board and Notice Board Facilities respectively. Whereas 33%, 40% and 47% of private high schools are having computerized Score board, Bulletin Board and Notice Board facilities respectively. Hence we can say that, more number of government high schools is having computerized score board than the private high schools and more numbers of private high schools is having Bulletin Board and Notice board than the government high schools.

Graph – 9
Percentage of High Schools Available With Internet Facilities



Above graph shows that percentage of government and private high schools having internet facilities available. 80% and 100% of government and private high schools are available with internet facilities. Hence we can say that few government schools are lack behind the internet facilities where as all the private high schools are have facilitated with internet.

Table – 1

Table showing the approximate percentage of Computer usability for Academic Activities among High School Physical Education Teacher

Physical Education program of school	Average Approximate % of use of Computer Facilities among high school Physical Education Teacher	
	Government High Schools	Private High Schools
Academic Activities	39.89	35.04
Intramural & Extramural Activities	59	46.07
National Day Programme	48.39	56.10
Preparation of Certificate and Consent form	44.75	55.96
Maintenance of Various Registers/ Files	59.32	68.73

Above charts shows that average approximate % of use of computer facilities by the physical education teachers of government high schools and private high schools. In academic aspects of school physical education programme approximate in an average 39.89% and 35.04% of works done through computer facilities by the government and private high school physical education teachers respectively. In Intramural & Extramural activities of school physical education programme approximate in an average 59% and 46.07% of works done through computer facilities by the government and private high school physical education teachers respectively. Approximate in an average 59% and 46.07% registers/files related to physical education are maintained by using computer facilities in school are done by using computer facilities by the government and private high school physical education teachers respectively.

Table – 2

Table Showing the Mean, SD and T Value of Computer Usability among the Physical Education Teacher of Government High Schools and Private High Schools

Types of School	N	Mean	SD	t- value
Government High schools	15	50.27	2.21	3.28**
Private High schools	15	52.38	3.03	

**** significance at 0.05 level**

Table – 1 presents the data of government and private high schools Physical education teachers in respect of computer usability among them. Here it can be noticed that the physical education teachers of government high school have scored mean of 50.27 in computer usability while the private high school have scored a mean 52.38. The t – value is 3.28, which is significant at 0.05 levels. This shows that there is significant difference in computer usability among government and private high school teachers. Thus private high school physical education teachers are using more computer facilities than the government high school physical education teachers.

Discussion on Hypothesis:

Hypothesis 1: It was hypothesized that Private high schools are having more computer facilities than the government high schools. In the study it was found that most of the private schools are having more number of computer systems than the government schools. Findings also say private high schools are having sophisticated computer facilities than the government high schools. Hence hypothesis one is accepted.

Hypothesis 2: It was also hypothesized that computer usability among physical education teachers who are working in private high school is more than the physical education teachers who are working in government high schools. In the study found that private high school physical education teachers are using more computer facilities than the government high school physical education teachers. Hence second hypotheses also accepted.

Hypothesis 3: It was also hypothesized that most of the physical education teacher are done basic computer knowledge course. It was found that all the physical education teachers are had Basic computer knowledge course. So, third hypothesis was accepted.

Hypothesis 4: It was also hypothesized that physical education teachers are not efficient to use available computer facilities in the school physical education curriculum. As all the physical education teachers are had basic knowledge of computer so we can assume that they are efficient to use available computer facilities in the school physical education curriculum. So, fourth hypothesis rejected.

IX. SUMMARY

Education must prepare young people for the real world - and computer technology is an important element of life after school. The use of computers in Physical education opens a new area of knowledge and offers a tool that has the potential to change some of the existing educational methods. The Physical Education teacher is the key to the effective exploitation of this resource in the educational system to inculcate physical education program effectively. Hence, researcher had taken interest and done a survey to compare the Computer Facility and its Usage among the High School Physical Education Teachers in Chikkaballapur District. For this purpose researcher took 30 Physical Education teachers were selected randomly from the various schools of Chikkaballapur Districts. Fifteen physical education teachers were selected from government and private high schools each. Self prepared questionnaire was used to have responses from the subjects. Finally it was tabulated and represented through simple graphs and tables by applying statistical measures.

X. CONCLUSIONS

Physical Education teachers of both types of high schools are efficient in using the available computer facilities in the school physical education curriculum. Private high schools are having sophisticated computer facilities than the government high schools. Most of the private schools are having more number of computer systems than the government schools. Private schools are available with more number of varieties printers when compared with government schools. More numbers private schools are having scanners than the private schools. All the private schools are having one or the other projection facilities but only few government schools are having projection facilities. More numbers of private high schools is having Photo and Video Camera facilities than the Government High Schools. Private schools are having more varieties and advanced computer storage facilities than the government high schools. More number of government high schools is having computerized score boards than the private high schools and more numbers of private high schools is having Bulletin Board and Notice board than the government high schools. Few government schools are lack behind the internet facilities where as all the private high schools have internet facilities. Private high school physical education teachers are using more computer facilities than the government high school physical education teachers.

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