



Study of Computer Attitude of Higher Secondary Students in Rural Area

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Abstract

Advancement in computer technology has caught attention of every person, educators and researchers. Computer based instructional applications are considered an effective alternative to traditional teaching method. Technology is described as the process by which people try to improve and organize the world. Despite its increasing popularity in the society, most educational places have struggled to give appropriate computer technology that is available to enhance human potential and teaching. Although, the availability of computer use in classrooms is increasing, but the availability of computer use in rural areas is low. The main objective of this research paper is to study the Computer Attitude of higher secondary students in rural area.

Computer Attitude

Theoretical models for interpreting human behaviour recognize attitudes towards behaviour or an object as important indicators of prospective behaviour. Hence the successful integration of computers in educational environment depends to a great extent on teachers and students attitudes towards them. Students attitude towards computer constitute a determinant factor for both participation, and subsequent achievement, in information technology activities.

Allport(1935) defined the concept of attitude in general as "An attitude is a mental and neural state of readiness, organized through experience, exerting a directive or dynamic influence upon the individual's response to all objects and situations with which it is related". In other words, attitude is determined by experience and impacts upon the individual's behaviour. Computer attitude has been defined as a person's general evaluation or feeling of favor or antipathy towards computer technologies and specific computer related activities.

Objectives

The objective of the present research work are as follows;

(1) To study the Computer Attitude of higher secondary students in rural area.

Sample

The sample was selected purposively from higher secondary school students from rau. 50 students of higher secondary schools were selected randomly. The age of the subjects was 15 to 18 years.

Tool

Computer Attitude Scale- For assessing the computer attitude "computer attitude scale" developed by Dr. Tahira Khatoon and Manika sharma was used. This scale consisted of 20 statements. The statements related to different aspects as: computer anxiety, computer confidence, computer interest, computer as a useful tool, computer career. Against each statement a five point rating scale was given. The five points were: Strongly Agree (SA), Agree (A), Undecided (U), Disagree (D), and Strongly Disagree (SD).The students were asked to read each statement, carefully and put a tick mark on one of the alternatives. If one strongly agree with the aspect given in the statement, tick mark was to be put on strongly agree. In case one only agree with the statement, tick mark was to be put on agree. One may be undecided about his/her reaction towards the aspect expressed in the statement. If so



tick mark was to be put on undecided and save for disagree and strongly disagree. The numerical weightage assigned to positive statements were 5,4,3,2 and 1 for strongly

agree, agree, undecided, disagree and strongly disagree, respectively and it was reversed for the negative statements. The total score ranged from 20-100

Table 1.1 Reaction of Students Towards Computer Attitude

S.No	Statement	Strongly Agree	Agree	Undecided	Disagree	Strongly Disagree
1.	मुझे कंप्यूटर पर काम करना मजोरंजक लगता है	50%	30.64%	4.38%	12.08%	2.9%
2.	कंप्यूटर पर काम करने की सोचते ही मैं झिझक का अनुभव करता हूँ / करती हूँ	69.15%	27.14%	0.0%	2.51%	1.20%
3.	मुझे कंप्यूटर के बारे में अधिक जानकारी है	3.22%	11.29%	1.61%	32.25%	51.63%
4.	मैं कंप्यूटर से सम्बंधित रोजगार से बचना चाहूंगा/ चाहूंगी	42.42%	49.63%	0.0%	6.03%	1.92%
5.	कंप्यूटर शिक्षा कार्य को सुधारने के अवसर प्रदान करता है	41.23%	45.44%	8.60%	3.65%	1.08%
6.	कंप्यूटर कार्यो को श्रेष्ठतम संगठित करने में सहायता करता है	36.51%	28.34%	8.45%	13.08%	13.62%
7.	मैं कंप्यूटर का प्रयोग करते समय आसानी से कुंठित हो जाता हूँ / हो जाती हूँ	45.21%	33.43%	0.00%	13.05%	12.31%
8.	मैं कंप्यूटर का व्यापक प्रयोग करता हूँ / करते हूँ	38.51%	26.34%	8.45%	13.08%	13.62%
9.	मेरे विचार से कंप्यूटर प्रयोग करना मेरे लिए कठिन कार्य होगा	53.66%	38.32%	3.24%	1.23%	3.55%
10.	कंप्यूटर का ज्ञान जीविका के अनेक अवसर प्रदान करता है	52.44%	40.25%	0.0%	02.05%	5.26%



11.	कंप्यूटर सीखना समय नष्ट करना है	1.63%	5.45%	0.0%	47.23%	45.69%
12.	मैं कंप्यूटर का प्रयोग करना सीखना पसंद करूंगा / करूंगी	48.38%	50%	0.0%	1.61%	0.0%
13.	कंप्यूटर से सम्बंधित रोजगार रुचिकर है	42.42%	49.63%	0.0%	6.03%	1.92%
14.	मैं एनी व्यक्तियों से कंप्यूटर संबंधी चर्चा करने में असहजता का अनुभव करता हूँ / करती हूँ	52.66%	39.32%	3.24%	1.23%	3.55%
15.	कंप्यूटर संरचनात्मक क्षमताओं के अवसर प्रदान करता है	53.66%	38.32%	1.24%	3.23%	3.55%
16.	कंप्यूटर शिक्षण अधिगम का उपयोगी साधन है	68.15%	28.14%	0.0%	2.51%	1.20%
17.	मेरे लिए कंप्यूटर उत्साहवर्धक नहीं है	2.34%	7.11%	3.21%	40.00%	47.34%
18.	मैं कंप्यूटर का प्रयोग करते समय आसानी से ऊब जाता हों / जाती हूँ	42.63%	49.42%	0.0%	6.03%	1.92%
19.	मैं कंप्यूटर का प्रयोग करते समय आत्मविश्वास का अनुभव करता हूँ / करती हूँ	40.23%	46.44%	8.60%	3.65%	1.08%
20.	कंप्यूटर का ज्ञान रखने वाले व्यक्ति को रोजगार संबंधी कठिनाई का सामना करना पड़ता है	1.45%	5.63%	03.00%	45.23%	45.69%

In the table 1.1, the first statement was 'मुझे कंप्यूटर पर काम करना मजोरंजक लगता है'. The percentage value for strongly agree is 50%, for agree in 30.6%, for undecided 4.38%, for disagree in 12.08%, and for strongly disagree is 02.09%, these percentage showed that 80.06 percentage students

were having positive reaction towards this statement. It means majority of students liked computer approach.

In the table 1.1, the second statement was कंप्यूटर पर काम करने की सोचते ही मैं झिझक का अनुभव करता हूँ/ करती हूँ. The percentage value for strongly agree is 69.15% for agree



in 27.14%, for disagree in 2.51%, and for strongly disagree is 1.20%, these percentage showed that 96.29 percentage students were having positive reaction towards this statement. It means majority of students liked this approach and they familiar for this approach.

In the table 1.1, the third statement was मुझे कंप्यूटर के बारे में अधिक जानकारी है. The percentage value for strongly agree is 3.22% for agree in 27.14%, for undecided 1.61%, for disagree in 32.25%, and for strongly disagree is 51.63%, these percentage showed that 83.88 percentage students were having positive reaction towards this statement. It means majority of students liked this approach and they have computer knowledge.

In the table 1.1, the fourth statement was मैं कंप्यूटर से सम्बंधित रोजगार से बचना चाहूंगा/चाहूंगी. The percentage value for strongly agree is 42.24% for agree in 49.63%, for disagree in 6.03%, and for strongly disagree is 1.92%, these percentage showed that 91.87 percentage students were having positive reaction towards this statement. It means majority of students will not choose the computer field as a profession.

In the table 1.1, the fifth statement was कंप्यूटर शिक्षा कार्य को सुधारने के अवसर प्रदान करता है. The percentage value for strongly agree is 41.23% for agree in 45.44%, for undecided 8.60%, for disagree in 3.65%, and for strongly disagree is 1.08%, these percentage showed that 86.67 percentage students were having positive reaction towards this statement. It means majority of students liked this approach and found it very interesting for Instruction.

In the table 1.1, the sixth statement was कंप्यूटर कार्यो को श्रेष्ठतम संगठित करने में सहायता करता है. The percentage value for strongly agree is 36.51% for agree in 28.34%, for undecided 8.45%, for disagree in 13.08%, and for strongly disagree is

13.62%, these percentage showed that 64.85 percentage students were having positive reaction towards this statement. It means majority of students knows that the advantages of computer based work.

In the table 1.1, the seventh statement was मैं कंप्यूटर का प्रयोग करते समय आसानी से कुंठित हो जाता हूँ/ हो जाती हूँ. The percentage value for strongly agree is 45.21% for agree in 33.43%, for undecided 00%, for disagree in 13.05%, and for strongly disagree is 12.31%, these percentage showed that 78.64 percentage students were having positive reaction towards this statement. It means majority of students is not familiar to use of computer.

In the table 1.1, the eight statement was मैं कंप्यूटर का व्यापक प्रयोग करता हूँ/ करते हूँ The percentage value for strongly agree is 38.51% for agree in 26.34%, for undecided 8.45%, for disagree in 13.08%, and for strongly disagree is 13.62%, these percentage showed that 64.85 percentage students were having positive reaction towards this statement. It means most of the students are able to use of computer.

In the table 1.1, the ninth statement was मेरे विचार से कंप्यूटर प्रयोग करना मेरे लिए कठिन कार्य होगा The percentage value for strongly agree is 53.66% for agree in 38.32%, for undecided 3.24%, for disagree in 1.23%, and for strongly disagree is 3.55%, these percentage showed that 91.98 percentage students were having positive reaction towards this statement. It means majority of students is not interested in computer related work.

In the table 1.1, the tenth statement was कंप्यूटर का ज्ञान जीविका के अनेक अवसर प्रदान करता है '. The percentage value for strongly agree is 52.44% for agree in 40.25%, for undecided 00%, for disagree in 02.05, and for strongly disagree is 5.26%, these percentage showed that 92.69 percentage students were having positive reaction



towards this statement. It means majority of students liked this approach and they feel that the knowledge of computer is very useful for us.

In the table 1.1, the eleventh statement was कंप्यूटर सीखना समय नष्ट करना. The percentage value for strongly agree is 1.63% for agree in 5.45%, for undecided 00%, for disagree in 47.23, and for strongly disagree is 45.69%, these percentage showed that 92.92 percentage students were having positive reaction towards this statement. It means majority of students understand the value of computer literacy.

In the table 1.1, the twelfth statement was मैं कंप्यूटर का प्रयोग करना सीखना पसंद करूंगा / करूंगी. The percentage value for strongly agree is 42.42%, for agree in 40.25%, for undecided 00%, for disagree in 02.05, and for strongly disagree is 5.26%, these percentage showed that 92.69 percentage students were having positive reaction towards this statement. It means majority of students liked this approach and they are interested to learn computer.

In the table 1.1, the thirteenth statement was कंप्यूटर से सम्बंधित रोजगार रुचिकर. The percentage value for strongly agree is 42.42% for agree in 49.63%, for undecided 00%, for disagree in 06.03, and for strongly disagree is 1.92%, these percentage showed that 86.12 percentage students were having positive reaction towards this statement. It means majority of students liked this approach and they enjoy to work with computer.

In the table 1.1, the fourteenth statement was मैं एनी व्यक्तियों से कंप्यूटर संबंधी चर्चा करने में असहजता का अनुभव करता हूँ / करती हूँ. The percentage value for strongly agree is 52.66% for agree in 39.32%, for undecided 3.24%, for disagree in 1.23, and for strongly disagree is 3.55%, these percentage showed that 91.98 percentage students were having positive reaction towards this statement. It means majority of students are

not comfortable with computer literate persons.

In the table 1.1, the fifteenth statement was कंप्यूटर संरचनात्मक क्षमताओं के अवसर प्रदान करता है . The percentage value for strongly agree is 53.66% for agree in 38.32%, for undecided 1.24%, for disagree in 3.23, and for strongly disagree is 3.55%, these percentage showed that 91.98 percentage students were having positive reaction towards this statement. It means majority of students understand the creativity of computer.

In the table 1.1, the sixteenth statement was कंप्यूटर शिक्षण अधिगम का उपयोगी साधन है . The percentage value for strongly agree is 68.15% for agree in 28.14%, for undecided 00%, for disagree in 2.51, and for strongly disagree is 1.20%, these percentage showed that 96.29 percentage students were having positive reaction towards this statement. It means majority of students liked this approach and found it very interesting for Instruction.

In the table 1.1, the seventeenth statement was मेरे लिए कंप्यूटर उत्साहवर्धक नहीं है . The percentage value for strongly agree is 2.34% for agree in 7.11%, for undecided 3.21%, for disagree in 40.00, and for strongly disagree is 47.34%, these percentage showed that 87.34 percentage students were having positive reaction towards this statement. It means majority of students liked this approach and they found that the computer is a source of motivation.

In the table 1.1, the eighteenth statement was मैं कंप्यूटर का प्रयोग करते समय आसानी से ऊब जाता हों / जाती हूँ. The percentage value for strongly agree is 42.63% for agree in 49.42%, for undecided 00%, for disagree is 6.03, and for strongly disagree is 1.92%, these percentage showed that 92.05 percentage students were having positive reaction towards this statement. It means majority of students liked this approach and found it very interesting.



In the table 1.1, the nineteenth statement was मैं कंप्यूटर का प्रयोग करते समय आत्मविश्वास का अनुभव करता हूँ/ करती हूँ. The percentage value for strongly agree is 40.23% for agree in 46.44%, for undecided 8.60%, for disagree is 3.65, and for strongly disagree is 1.08%, these percentage showed that 86.67 percentage students were having positive reaction towards this statement. It means majority of students shows that confidence with computer.

In the table 1.1, the twentieth statement was कंप्यूटर का ज्ञान रखने वाले व्यक्ति को रोजगार संबंधी कठिनाई का सामना करना पड़ता है . The percentage value for strongly agree is 1.45% for agree in 5.63, for undecided 03.00%, for disagree is 45.23, and for strongly disagree is 45.69%, these percentage showed that 90.92 percentage students were having positive reaction towards this statement. It means majority of students does not agree with this statement.

Conclusion

In rural areas higher secondary students have positive attitude computer. Table 1.1 shows that the positive reaction towards computer attitude, but some gaps are available in rural areas in the area of computer anxiety, computer confidence, computer interest, computer career. The item no.1,3, 5, 6, 8, 10, 12, 13, 15, 16, 19 are the positive statements and show the positive reaction toward computer attitude. The item no. 2, 4, 7, 9, 11, 14, 17, 18, 20 are negative but students shows the positive attitude against negative statements, it shows that the higher secondary students are aware for computer literacy.

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