

traditional training, for example, such as minimal financial costs; there is not need to send an employee to courses, thereby interrupting his performance of his job duties. The main task of such programs is the effectiveness of employee training with minimal time waste. The article considers an example of the structural organization of such programs and the correct presentation of educational material in them.

Keywords: training software, educational material, information technology.

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[10].

[2].

[3].

[6],

[3].

[1] R

(1).

$$R = f(S, P, Sw, T) \max$$

(1)

R -

S -

P -

Sw -

T -

(-)

(2-3).

$$S_1 < S_2$$

(2)

$$P_1 < P_2$$

(3)

S1 -

S2 -

P1 -

P2 -

(. 1) [2].

Q

[2].



1.
Fig.1. Edgar Dale's Learning Cone

Table

The values of the training quality factors for the education methods

/		, Q
1		2
2		5
3		5
4		9
5		9
6		1
7		5
8		9

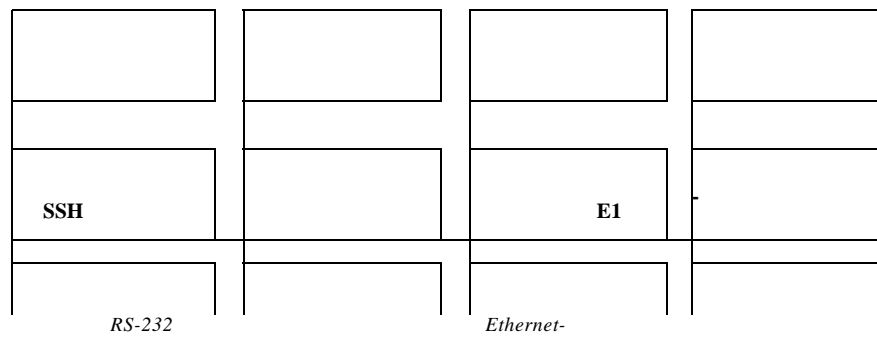
5 6. (4), ,

$$= \frac{2}{5} = 5 \quad (4)$$

[9] :

30% , ; 10% , ; 50% , ; 70% , ; 20% , ; 90%

(.2).



. 2.
Fig. 2. Block diagram of the developed software

2- 4-

3- 5-

1. Andreev A.A. Pedagogy of higher school // M.: MESI. 2000. pp. 287-292.
2. Buzny A.N. Innovative processes in science and education. Study guide for universities / Buzni A.N., Iskandarova G.R., Kachalova L.P., Kolesnikov G.N., Kunts E.V. - Penza: ICNS "Science and education", 2019. - 218 p.
3. Dendev B. Information and communication technologies in education. M.: UNESCO IITE. 2013. pp. 79-83.
4. Kupriyanov M.V. Didactic Toolkit of new educational technologies // Higher education in Russia. 2001. 3. pp. 124-126.
5. Kruglikov G.I. Didactic means in the classroom technology // School and production. 1999. 4. P. 3-12.
6. Kodzhaspirova G.M. Technical training and methods of their application/ ACADEM A. 2001. P. 12.
7. ...
8. ... " ... ". 2015. . 37-41.
9. ... //2016. 6. . 21-25.
10. 1999.

References

1. Andreev A.A. Pedagogy of higher school // M.: MESI. 2000. pp. 287-292.
2. Buzny A.N. Innovative processes in science and education. Study guide for universities / Buzni A.N., Iskandarova G.R., Kachalova L.P., Kolesnikov G.N., Kunts E.V. - Penza: ICNS "Science and education", 2019. - 218 p.
3. Dendev B. Information and communication technologies in education. M.: UNESCO IITE. 2013. pp. 79-83.
4. Kupriyanov M.V. Didactic Toolkit of new educational technologies // Higher education in Russia. 2001. 3. pp. 124-126.
5. Kruglikov G.I. Didactic means in the classroom technology // School and production. 1999. 4. P. 3-12.
6. Kodzhaspirova G.M. Technical training and methods of their application/ ACADEM A. 2001. P. 12.

7. Kiselev G.M. Information technologies in pedagogical education / Kiselev G.M., Bochkova R.V. // Moscow Publishing and trading Corporation "Dashkov and K". 2015. pp. 37-41.
8. Romankova A.A. Information technologies in education / Romankova A.A., Titova E.I. // Young scientist. March 2015. Issue 6. pp. 677-679.
9. Tikhomirov V.A. Quality of education in virtual environment: computer technologies in education / Tikhomirov V.A., Rubin Y.M., Samoilov V.D. // Higher education in Russia.2016. 6. pp. 21-25.
10. Safrin Y.A. Information technology / Moscow Laboratory of Basic Knowledge.1999. I part. pp. 21-24.

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