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Abstract

This study dealt with availability and use of Educational Technologies by the teaching staff in Al-Aqsa University. For this purpose a list of Educational technologies needed for academic teaching was prepared as well as a questionnaire applied on a sample of (90) teachers in Al-Aqsa University. The study revealed that most of the Educational technologies are not available or available at a lower degree in the University, and the samples have rare knowledge of how to use updated Educational technologies. There was a correlation between the availability of the Educational technologies and knowing their use.

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(%38.7)

(%62.2)

(%55.5)

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(Smith, 1996)

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Wierme &) " α -Cronbach

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%7.8	7	2	-	1	1	5	1	2	2			1
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%4.4	4	2	-	1	1	2	-	1	1			
%5.6	5	2	-	1	1	3	1	1	1			
%24.5	22	9	1	4	4	13	3	5	5			
%7.8	7	1	-	-	1	6	2	2	2			2
%5.6	5	3	1	1	1	2	-	1	1			
%4.4	4	1	-	-	1	3	1	1	1			
%5.6	5	2	-	1	1	3	1	1	1			
%3.3	3	1	-	-	1	2	-	1	1			
%3.3	3	1	-	-	1	2	-	1	1			
%30	27	9	1	2	6	18	4	7	7			
%5.6	5	3	1	1	1	2	-	1	1			3
%2.2	2	2	-	1	1	-	-	-	-			
%4.4	4	2	-	1	1	2	-	1	1			
%4.4	4	2	-	1	1	2	-	1	1			
%4.4	4	1	-	-	1	3	1	1	1			
%2.2	2	-	-	-	-	2	-	1	1			

%23.3	21	10	1	4	5	11	1	5	5			
%7.8	7	4	2	1	1	3	1	1	1			4
%5.6	5	2	-	1	1	3	1	1	1			
%8.9	8	3	1	1	1	5	1	2	2			
%22.3	20	9	3	3	3	11	3	4	4			
%100	90	37	6	13	18	53	11	21	21			

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%67.8	61	%32.2	29	-1
%70	63	%30	27	-2
%58.9	53	%41.1	37	-3
%43.3	39	%56.7	51	-4
%57.8	52	%42.2	38	-5
%56.7	51	%43.3	39	-6
%52.2	47	%47.8	43	-7
%72.2	65	%27.8	25	-8
%83.3	75	%16.7	15	-9
%68.9	62	%31.1	28	-10
%94.5	85	%5.5	5	-11
%62.2	56	%37.8	34	-12
%65.6	59	%34.4	31	-13
%100	90	%		-14
%51.1	46	%48.9	44	-15

%57.8	52	%42.2	38		-16
%42.2	52	%42.2	38		-17
%100	90	%			-18
%62.2	56	%37.8	34		-19
%46.7	42	%53.3	48		-20
%64.4	58	%35.6	32		-21
%64.4	58	%35.6	32		-22
%16.7	15	%83.3	75		-23
%31.1	28	%68.9	62		-24
%47.8	43	%52.2	47		-25
%46.7	42	%53.3	48		-26
%100	90	%			-27
%100	90	%			-28
%12.2	11	%87.8	79		-29
%43.3	39	%65.7	51		-30
%71.1	64	%28.9	26		-31
%42.2	38	%57.8	52		-32

: (2)

(32) (2) -

(%83.3) : (*)

(%87.8)

$$. %6.25 = 100 \times 32/2$$

(%56.7) : (7) -

(%53.3) (%52.2) (%53.3)

(%68.9) (%57.8) (%56.7)

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(%17-50) (%50-83) (83-100) :

(17)

(1.5-2.5) (2.5-3)

.. (0.5) (0.5-1.5)

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=100×32 /7

				. %22.87	
	:			(18)	-
(%41.1)		(%16.7)		(%30)	
	(%27.8)	(43.3)	(%42.2)		
(%47.8)	(%26)	(%31)		(%31.1)	
(%48.9)	(%34.3)		(%37.8)		
(%37.8)		(%42.2)	(%42.2)		
	.(%35.6)		(%35.6)		

.%56.25 = %100 × 32/18

(5)

.%15.6 =%100 × 32/5

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-1

(%71.85) -2

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.(3)

(3)

% 53.3	48	% 46.7	42		-1
% 54.4	49	% 45.6	41		-2
% 46.7	42	% 53.3	48		-3
% 34.4	31	% 65.6	59		-4
% 32.2	29	% 67.8	61		-5
% 48.9	44	% 51.1	46		-6
% 46.7	42	% 53.3	48		-7
% 47.8	43	% 52.2	47		-8
% 54.4	49	% 45.6	41		-9
% 60	54	% 40	36		-10
% 77.8	70	% 22.2	20		-11
% 43.3	39	% 56.7	51		-12
% 25.6	23	% 74.4	67		-13
% 96.7	87	% 3.3	17		-14
% 32.2	29	% 67.8	61		-15
% 36.7	33	% 63.3	57		-16
% 35.6	32	% 64.4	58		-17
% 85.6	77	% 14.4	13		-18
% 52.2	47	% 47.8	43		-19
% 12.2	11	% 87.8	79		-20
% 56.7	51	% 43.3	39		-21
% 56.7	51	% 43.3	39		-22
% 2.2	2	% 97.8	88		-23
% 13.3	12	% 86.7	78		-24
% 14.4	13	% 85.6	77		-25
% 21.1	19	% 78.9	71		-26
% 95.6	86	% 4.4	4		-27
% 92.2	83	% 7.8	7		-28
% 6.7	6	% 93.3	84		-29
% 26.7	24	% 73.3	66		-30
% 10	9	% 90	81		-31
% 12.2	11	% 87.8	79		-32

			:	(3)	-
	(%97.8)		(% 87.8)	:	
(%90)	(%93.3)		(%85.6)	(% (%86.7)	
				.(%87.8)	
:			(13)		-
	(%53.3)		(%46.6)		
	(%52.2)	(%53.3)	(%51.1)	(%67.8)	
(%67.8)		(%74.4)	(%56.7)		
(%78.9)		(%64.4)	(%63.3)		
				.(%73.3)	
		(8)			-
	(%45.6)		(%46.7)	:	
(%22.2)		(%40)		(%45.6)	
.(%43.3)		(%43.3)		(%47.8)	
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			:		
× 32/7					-1
				%21.9=%100	
					-2
				%40.6 =%10 × 32/13	
					-3

(1989) :

.(1993) (1990)

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0.250	1.61	22		-1
0.221	1.66	27		-2
0.155	1.67	21		-3
0.423	1.74	20		-4

(4)

.(5)

(5)

(0.05)	()				
	*0.765	0.058	0.173	3	
		0.076	6.494	86	

.(3.03) = (0.05)

(86) (3)

() *

(0.05)

(5)

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.(6)

(6)

()

	" "					
	*1.363	0.242	1.714	3	37	
		0.292	1.635	3	53	

1.96 = (0.05)

(87 2)

() *

(%57.1) (3)

.%54.5 =3 /1.635

(6)

.(7)

(7)

0.264	1.65	39	5	- 0	-1
0.259	1.69	34	10	- 5	-2
0.334	1.65	17		10	-3

(7)

(8)

(8)

(0.05)	()				
	*0.26	0.0198	0.039	2	
		0.0762	6.628	87	

(3.03) = (0.05)

(87 2)

() *

(8)

(0.05)

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(9)

%48.9	44	%51.1	46		-1
%54.4	49	%45.6	41		-2
%47.8	43	%52.2	47		-3
%50	45	% 50	45		-4
%65.6	59	%34.4	31		-5
%53.3	48	%46.7	42		-6
%53.3	48	%46.7	42		-7
%64.4	58	%35.6	32		-8
%73.3	66	%26.7	24		-9
%77.8	70	%22.2	20		-10
%95.6	86	%4.4	4		-11
%77.8	70	%22.2	20		-12
%56.7	51	%43.3	39		-13
%100	90	%			-14
%22.2	20	%77.8	70		-15
%27.8	25	%72.2	65		-16
%43.3	39	%56.7	51		-17
%100	90	%			-18
%66.7	60	%33.3	30		-19
%43.3	39	%56.7	51		-20
%84.4	76	%15.6	14		-21

%84.4	76	%15.6	14		-22
%16.7	15	%83.3	75		-23
%53.3	48	%46.7	42		-24
%70	63	%30	27		-25
%91.1	82	%8.9	8		-26
%100	90	%			-27
%100	90	%			-28
%5.6	5	%94.4	85		-29
%30	27	%70	63		-30
%58.9	53	%41.1	37		-31
%17.8	16	%82.2	74		-32

: (9)

.(%94.4) (%83.3) :

: (9)

(%50) (%52.2) (%51.1)

(%70) (%72.2) (77.8) (%56.7)

.(%56.3) (%82.2)

: (13)

(%33.3) (%22.2) (%26.7)

(%34.4) (%45.6) (%46.7)

(%43.3) (%35.6) (%46.7) (%46.7)

(%30) (%41.1)

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= %100 × 32/2

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%6.55

= %100 × 32/9

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%28.12

-3

%40.33 = 100 × 32/13

%25 = %100 × 32/8

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$$\frac{10}{-5} = -2$$

$$\frac{5}{-0} = \text{undefined}$$

$$\frac{10}{-1} = -10$$

$$\frac{10}{-2} = -5$$

$$\frac{10}{-3} = -3.33$$

$$\frac{10}{-4} = -2.5$$

(10)

0.237	1.250	22	-1
0.166	1.30	27	-2
0.264	1.33	21	-3
0.617	1.01	20	-4

(11)

(11)

(0.05)	()				
(0.05)	*3.61	0.441	1.324	3	
		0.122	10.512	86	

.3.03 = (0.05)

(86 3)

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(0.05)	*1.19	0.388 0.346	1.18 1.28	3 3	37 53	

.1.96 = (0.05)

(87 2)

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1.18 (12)

(3)

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(%42.7) (%39.3)

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0.367	1.26	39	5	- 0	-1
0.342	1.22	34	10	- 5	-2
0.417	1.18	17		10	-3

.(14)

(14)

(0.05)	()				
(0.05)	*0.249	0.034	0.0675	2	
		0.135	11.769	87	

.3.03 = (0.05)

(87 2)

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0.556	0.117	1	
0.027	1	0.117	
1	0.027	0.556	

.0463=(0.01)

0.361=(0.05)

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(0.01)

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		:	:(1987)	-8
			:(1989)	-9
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			:	(11)
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			:(1990)	-12

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	:(1993)	-14
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	28-25	

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	.	-32