

(46)

.%75 (153)

%(93)

%(79)

%(62)

%(82)

%(24.2)

%(2.6) (EDI)

.(SCOR)

()

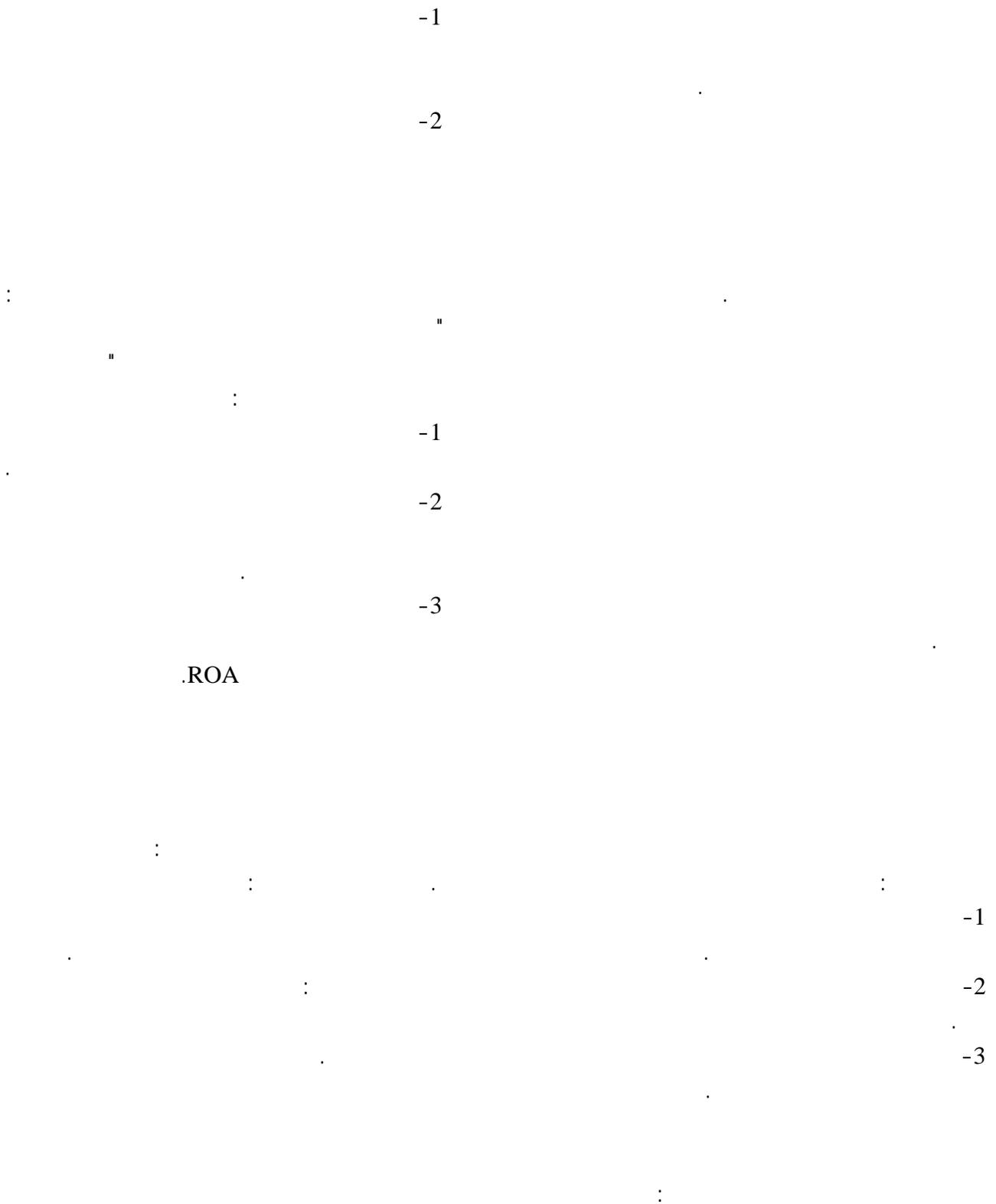
:

:

collaboration

.2008/1/17

2006/12/5



(85) 2004

:

(8)

%54.2

(46)

:

(1)

)

:

(39)

(153)

(117)

(SCOR)

(3)

(114)

(%75)

:

:

:

:

:

:()

:(:5) 4 3 2 (:1)

()

EDI*					
					: .1
					: .2
					: .3
					: .4
					: .5
					: .6

*

Overall Performance
 Measures of Esprit de Corps

(5)	(4)	(3)	(2)	(1)	
					.1
					.2

(McCormack, 1999), (Kohli & Joarski, 1993)

ROA
 SPSS
 -1
 ROA
 2004-2001
 .1
 -2
 10
 ROA
 (1)
 ROA
 2005
 .3
 (1)
 .(7)

	:	-2
	:	
:(Eglar & Osterle, 2000)	()
.1	:	-3
	:	-4
.2	:	-5
	.www	:
	:	-6
	:	-7
	(EDI)	-8
.3	Electronic Data Interchange	
(ERP)		-9
	Supply Chain Operations Reference (SCOR)	
	Model	
(EDI)	Supply Chain Council	
)	
.4	(
	Enterprise (ERP)	-10
	Resource planning systems	

()

(Laudon & Laudon 2006)

Core Competences

Place :

Laudon & Laudon 2006,)

(Gary Hamel, 1998

(Gary

Hamel, 1998, Markus, M. et al., 2000)

:

.1

Machine-to-Machine

(EDI)

E-

.2

Corporation

Human-to-Human Communication: Groupware

Local Area

.3

Wide

(LANs) Network

(WANs) Area Networks

(Partners)

strategic intent

(Byrne, 1993)

(Birley and Westhead, 1994),(Barney, 1997), (Sigal Haber&Aric Reichel 2005), (Akroush, Mamoun, N. 2008), (Akroush, Mamoun, N. 2006),

, (McCormak, Kasper &)1999),(Kohli&Joarski, 1993), (Wright et al., 1999) (McCormak, 2000

Malone &)

(Davido, 1992

(Kohli & Jaworski,

1993)

.(Byrne, 2000; Gupta, 2000, Hamel, 1998) "

: .ROA
: -1

.EDI ,SCOR,ERP

)
(
(5)
: -2
-1
)
(
Qualitative (subjective, .1
soft, long term) Measures
Quantitative (objective, .2
hard, short term) Measures

		-		-
	(EDI)			-
(EDI)		-		-
				.2
	%80	-		
	(EDI)		:	
(EDI)	%75	-		-
		-		-
(Kumar, 2004)		-6		-
			Rauseo, Nancy Ann,)	-4
				(2001
(34)			(160)	
Balanced Scorecard				(100)
				:
:				-
		-		-
		-		-
		-	(Morris & Wood, 2003)	-5
		-	(EDI)	
		-	:	
		-	(EDI)	-
		-		

	(%42.2)				
(10	(10	5)	(2)		
		(%40.3)	:		
		(46)			
	.Benchmark			(3)	
				(4)	
	:	:	:		
				(%12)	
				(%88)	
	.(5)				
(3.78)	" :	(5)	"		
	(0.74)				
	" :	(1)	:		
(3.76)	"		(%75.7)		
	(0.77)		(50 - 30)		
			(%92)		
	" :	(6)			
(1.01)	"	(2.56)	:		
				(%91.3)	
	:	:	:		
	(6)	(.6)			
(3.66)	(3.65)		:		

(0.73) (3.66)

(%73)

(7)

2005

%94

2004 2003 2002 2001
(7)

SCOR

(7.43 ,11.79) 2005

%58

%38

(2004-2001)

9.99

Supply Chain Council

69 1996

www.supplychain.org
(SCOR V.7.0)

2005

:

:

(8)

(8)

%76

%18

			(Forsberg,		
	(10)				T.1999)
(3.66)			"	-	"
(%73.2)		(0.98)			
(2.38)		" "	:		"
(%47.6)	(1.39)				
	(EDI)				
(0.92)		(1.31)		"	
		(%26.2)			
:		-3			
			:		
			:		-1
		(.11)			
	(11)			(.9)	
(3.26)				(9)	
(%65.2)		(1.75)	(4.51)		
(1.18)		(EDI)	(%90.2)		(0.98)
(%23.6)	(0.72)				
		(1.81)	(1.36)	(2.77)	
			(EDI)	(%55.4)	
:		-4	(1.32)		
			(%26.4)		(0.97)
			:		-2
		(.12)			
	(12)		(10)		
(3.93))	
(%78.6)		(1.17)			(EDI)
(3.81)					

	(14)		.(%76.2)	(1.32)
(EDI)	(4.33)		(0.41)	(1.07)
	.(%86.6)	(1.13)		.(%21.4)
(1.28)				
	.25.6)	(0.89)		
			EDI	

-5

: :

" :

	.(13)			
		(13)		
	(4.10)			
	.82.0)	(1.20)		
(1.05)			(EDI)	
(%21.0)		(0.53)		
	EDI			

(t) (R)

-1

"

-6

: .1

.(14)

:
 %59 (SCOR)
 " " (%39) (2)
 (%95.6)
)
 .(
 :
 (EDI)
 :
 (0.487)
 McCormak & Kohli and Jaworski
 (0.631)
 : :
 :
 (2.482) (t) (0.539) (%93) %(82.5)
 $\alpha \leq)$
 (0.05)
 : :
 (%62.3)
 ROA (%79)
 (t) (0.479)
 (2.538)
 .($\alpha \leq 0.05$)

(5)

:

SCOR

:

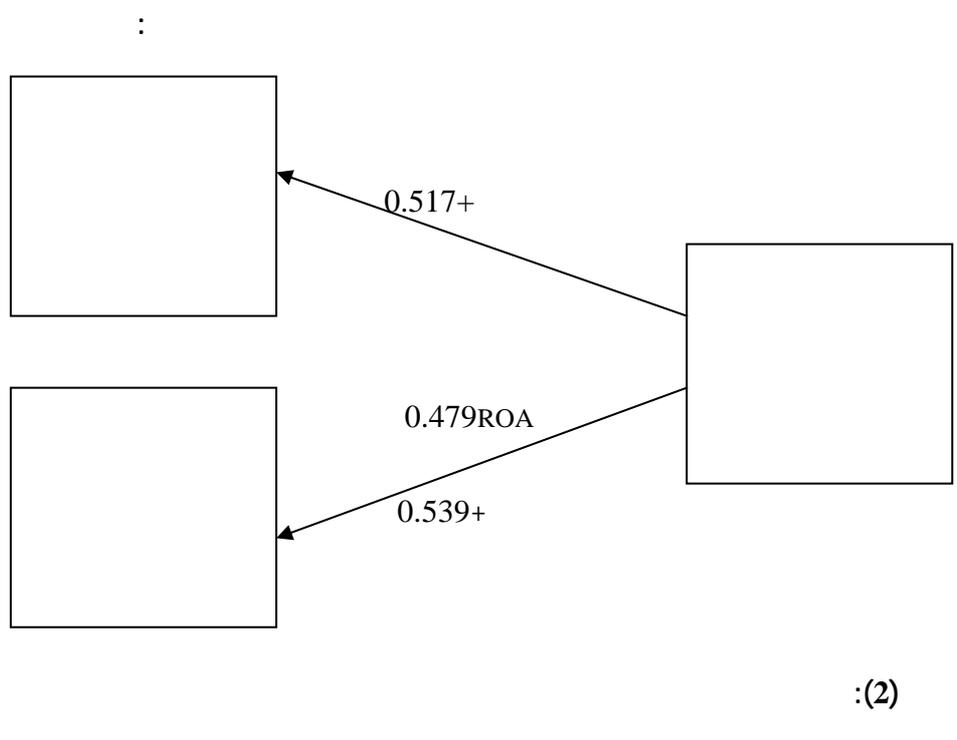
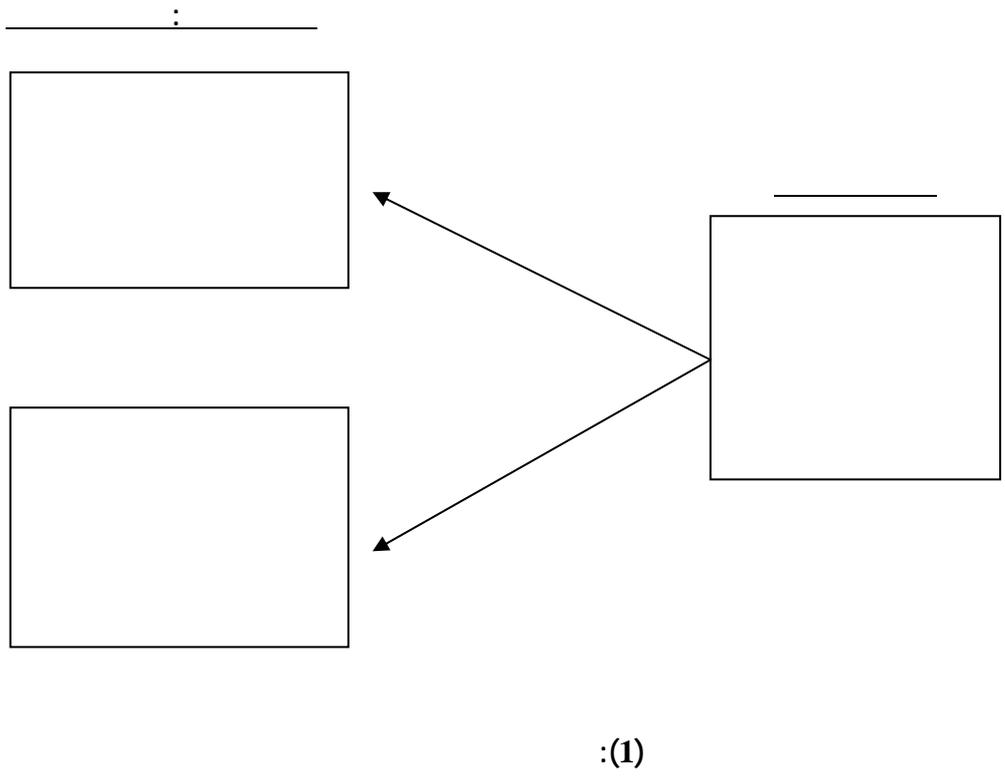
)

(

(5)

:

(EDI)



(1):

39	%50	78	10	1
2	%100	2	30 - 10	2
5	%100	5	30	3
46		85		

(2)

		Palmer & Speier 2001
		Wright & others, 1999
		Kasper & McCormak, 2000
		Rauseo, Nancy Ann, 2001
EDI		Morris & Wood, 2003
		Kumar, 2004

(:) .

(3)

6.5	3			1
13	6			
13	6			
4.4	2			
10.9	5			
6.5	3			
17.4	8			
10.9	5			
13	6			
4.4	2			
%100	46			
50	23	200		2
34.8	16	1000 - 201		
15.2	7	1000		
%100	46			

(4)

88	103		
12	11		
92	105		
8	9		
12.3	14		
29	33		
21	24		
37.7	43		
1.7	2		
7	8		
76.4	87		
14.9	17	(/)	
4.4	5		30
36	41	40	- 30

42.1	48	50	- 40
17.5	20		50
-	-		
17.5	20	5	-
40.3	46	10	- 5
42.2	48		10
100.0	114		

:(5)

	0.77	3.76	.	1
	0.77	3.74	.	2
	0.88	3.69	.	3
	0.82	3.75	.	4
	074	3.78	.	5
	1.01	2.56	.	6
	0.86	3.58	.	7
-	0.51	3.55		

:(6)

	%73	0.79	3.65	1
	%73.2	0.78	3.66	2
	%73.2	0.78	3.66	3

(8):

%82.2			1
%17.8			
%100			
%26.3	3		2
%30.7	9-3		
%9.7	18-10		
%33.3	19		
%100			
%93.9			3
%6.1			
%100			
%62.3			4
%37.7			
%100			
%21.1			5
%78.9		()	
%100			
%2.6			6
%58.8		(SCOR)	
%38.6			
%100			
%11	3		7
%4.3	4		
% 8.7	5		
% 76			
%100			
%4.4			8
%95.6			
%100			

:(9)

			*		
	%90.2	0.98	4.51		1
	%55.4	1.36	2.77		2
	%36.0	1.07	1.80		3
	%26.6	0.81	1.33		4
	%26.4	0.97	1.32	EDI	5

.(5)

*

:(10)

			*		
	%73.2	1.58	3.66		1
	%47.6	1.39	2.38		2
	%27.8	0.83	1.39		3
	%26.6	0.89	1.33		4
	%26.2	0.92	1.31	EDI	5

.(5)

*

:(11)

			*		
	%65.2	1.75	3.26		1
	%63.8	1.55	3.19		2
	%36.2	1.23	1.81		3
	%26.6	0.93	1.33		4
	%23.6	0.72	1.18	EDI	5

*(5).

:(12)

			*		
	%76.2	1.32	3.81		1
	%78.6	1.17	3.93		2
	%60.0	1.43	3.00		3
	%21.4	0.41	1.07		4
	%22.4	0.65	1.12	EDI	5

*(5).

:(13)

			*		
	%82.0	1.20	4.10		1
	%76.4	1.23	3.82		2
	%47.8	1.53	2.39		3
	%21.4	0.41	1.07		4
	%21.0	0.53	1.05	EDI	5

.(5)

*

:(14)

			*		
	%86.6	1.13	4.33		1
	%48.2	1.48	2.41		2
	%33.6	1.04	1.68		3
	%30.2	1.06	1.51		4
	%25.6	0.89	1.28	EDI	5

.(5)

*

(15)

		t			
	*0.012	3.147	44	0.612	
	*0.043	2.193	44	0.487	
	0.176	0.918	44	0.135	
	0.182	0.862	44	0.121	
	0.092	1.430	44	0.328	
	*0.031	2.343	44	0.517	

.($\alpha \leq 0.05$)

*

(16)

		t			
	*0.002	3.563	44	0.643	
	*0.004	3.418	44	0.631	
	*0.023	2.763	44	0.582	
	0.143	1.241	44	0.281	
	*0.001	3.827	44	0.682	
	*0.029	2.488	44	0.539	

.($\alpha \leq 0.05$)

*

(17)

ROA

		t			
	*0.029	2.538	44	0.479	

.($\alpha \leq 0.05$)

*

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The Level of the Use of Information and Communication Technologies Tools (ICTs) in Industrial Jordanian Shareholding Companies and its Effect on Organizational Performance: Field Study

*Mohamad Al-Jedaiah**

ABSTRACT

This study aims to understanding the nature of IT tools that are used in Jordan Industrial Companies and to analyze the relationship between these tools and the organizational performance. A survey has been developed based on the literature review, the sample included (153) questionnaires in (46) industrial companies of which 75% were returned.

The main results of the study indicate that 82% of industrial Jordanian Shareholding Companies have computer department and 93% of managers use computer in their work. Furthermore, 62% of the manager's computers are connected with internet; however 79% of these companies do not have an intranet among divisions and departments.

(24.2%) of the responding organizations use modern electronic connection software applications like Supply Chain Operation Reference Model (SCOR) and the traditional one likes EDI.

The most frequent IT tools used were: Fax and Telephone. Moreover, the results indicate that there is a positive statistical relationship between the use of IT tools and organizational performance. Also, there is a positive relationship between the use of internet and the esprit de corps.

KEYWORDS: Information Communication and Technologies tools (ICTs), Organizational Performance, Overall performance, Esprit de corps, Supply Chain Software applications, E-Corporation.