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2007 - 2006

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إِنْ وَالْمَانِينَ الْمُولِينِ أَمِدَ اللهُ فَيْ مِنْ بِينِا وَأَمَارُ مَلِيثِهَا وَأَمَارُ مَلِيثِهَا الْمَاكَةُ وَالْمُوالِمُ وَأَمَارُ مَلِيثِهَا الْمَاكِةُ وَالْمُوالِمُ وَأَمَالًا اللّهُ مِنْ فَضَلُ النّزبِيةَ وَالْمُصَلِّ وَالْمُرْسُلُونَ.

إلى رفيقة حربي اتشائيمي وحميها العالم.
الله المهائي والمرية.
الله المحافية في الإزائر بلعي الثاني.
الله كل أصطائي في الإزائر بلعي الثاني.
الله كل زميل وصعيق أزرني عامب البائث والعراسة.
الله كل من كل سببًا في إنها همنه العراسة.
المعنى مبلي المتهاض همنا الله إيما.

## ئالمورا ۾ نگي

أَشْكِر إِلَّا مِنْ وَكِلْ كِلْ الشَّكِرِ وَأَثْنَةٍ عَلِيهِ بِكِلْ إِنَّا إِلَّهُ وَأَكْبِهُ مِلْيَهُ عَلِيه سِبِكَانِهُ وَتَعَالَهُ الْمَنْهُ مِنْ عِلْقُ بِإِنَّامِ هُمَاهُ الْأَعْلِي فِي أَبْقًا اللهُ الْمَافِيَّ القَطِيرِ أَنْ يِنْفِع بِهَا... أَنْهُ سِيعِ مِثِينِ.

بِشْرِفَنَهُ أَنْ أَتِقَطَى بِالْمِ الشَّكِى وَمِثَلِ التَقْطِي السَّمَادَة الْأَسْلَطَة الْأَسْلَطَة الْأَسْلِطَة الْأَسْلِطَة الْأَسْلِطَة الْأَسْلِطَة الْأَسْلِطَة الْأَسْلِطَة الْمُعْرَاء وَكَرْبَطِه مِلْكِيْنِ وَسَامِطَتِهُ مِنْ الْمُعْرَاء وَيُعِينُونَ وَسَامِطَتُهُ مِنْ الْمُعْرَدِة وَيُعِينُونَ وَسَامِطَتُهُ وَسَامِطَة الْمُعْرَدِة وَالْمُؤْتِ وَقُ مِسْمِدَة وَالْمُؤْتِ وَقُ مِسْمِدَة وَالْمُؤْتِ وَقُ مِسْمِدَة وَالْمُؤْتِ وَقُ مِسْمِدَة وَالْمُؤْتِ وَالْمُؤْتِ وَاللَّهُ اللَّهُ اللَّالِقُ اللَّلَّ اللَّالِي اللَّهُ اللَّهُ اللَّالِقُلْمُ اللَّهُ اللَّهُ اللَّلَّا اللَّهُ ال

كما يسمعوني أن أتقعد بإذبا الشكر والتقعيد المناد البنة المناقشة الأطروكة والككم عليها. و أتوكه بالشكر والتقعيد و الاكتراء الشعب الإزائري الكريد. و أتوكه بالشكر والتقعيد و الاكتراء الكا أحمقائي في الإزائر. و أتوكه بالشكر والتقعيد الاكتراء الكا أحمقائي في الإزائر. و أيوكه بالشكر والتقعيد الكار من أسيم بدأيه وتوكيفه وتشكيمه وأيضًا أتوكه بالشكر والتقعيد الكار من أسيم بدأيه وتوكيفه وتشكيمه

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(300).1 (%80) (200).2 **Instrument Validity:** .1 Õ Õ Õ Õ Õ ÕÕ Õ Ù Õ Ù ÙÕÕÙ Ù Õ Õ (Pilot Study) Õ Õ, (30)**Instrument Reliability:** .2 Ù ( ) Test and retest ÕÕ Õ Ù Ù Ù Ù Ù 0.72 Ù Ù (SPSS14 ) Ù Ù Ù (Cronbach's Alpha) (1)

- (1) Ù

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0.79	02				
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0.68	02				
0.70	03				
0.61	02				
0.73	03				
0.72	42				

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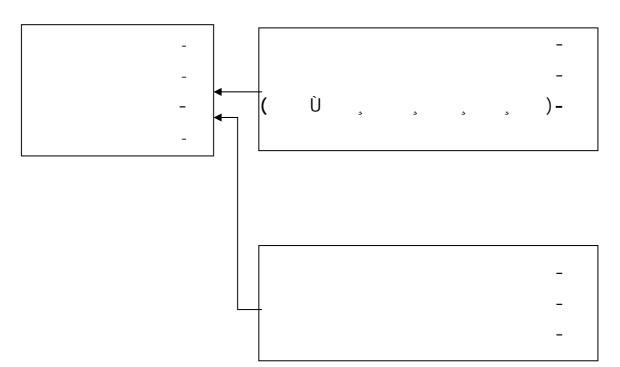
**Factor Analysis:** Ø .2 ÙÕ ÙÕ Ù Ù Ù Õ Ù Ù Ù Õ Õ Õ (0.40)ÙÙ Ù Ù . ( 1999) 1(1999) Ù Ù ,Ø Ù :Ø Ù Ù Ù : Ø Ø .1 .2 .3 : ÙÕ : .1 Ù Ù Ù Ø . 2 .3

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1) Donna Hussain, K.M. Hussain, Information Processing Systems for Management, U.S.A. Richard. D.Irurin INC, 1981, p.10.

2) Carol Cash more, Business Information Systems and Strategies. New York: Prentice Hall. 1991, p2.

.17 , 1985, : , (3

4) James C. Wetherble. Systems Analysis for Computer-Based Information Systems, U.S.A: West Publishing Company, p36.

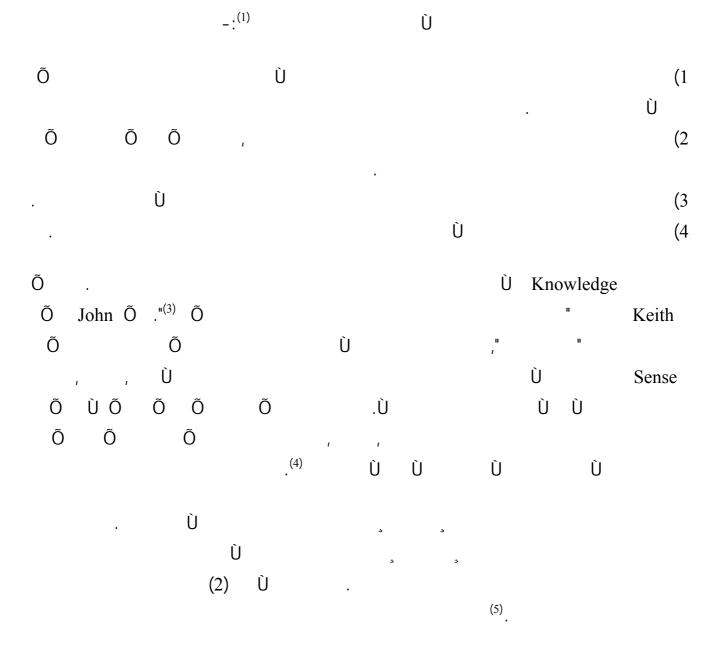
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3. Trevor J. Bently. Management Information Systems and Data Processing Great Britain: Mackays of Chatham Ltd.1986, p11.

4. Keith R.MC Cloy, Resource Management Information Systems Process and Practice, o.p.cit.pp331-333.



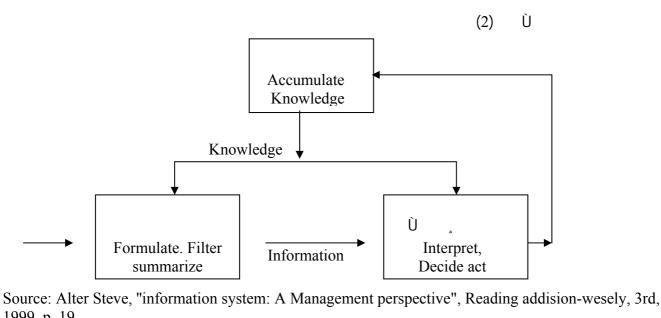
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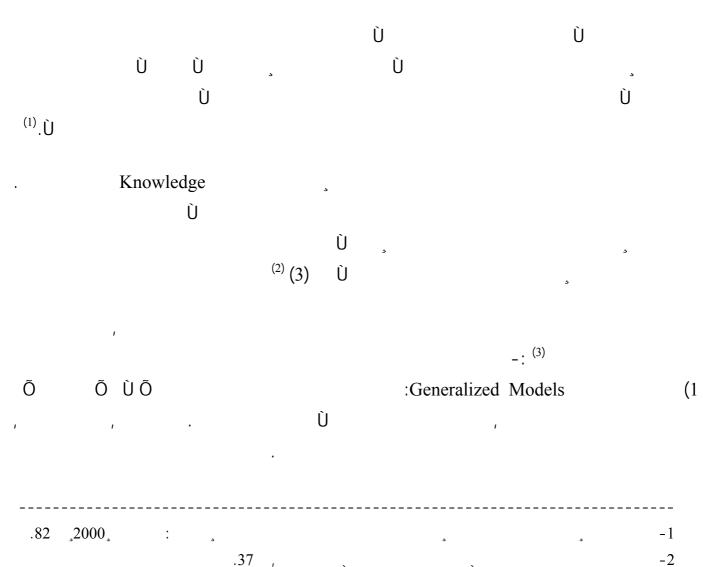
2. Keith R.MC Cloy, Resource Management Information Systems Process and Practice o.p.cit.pp333.

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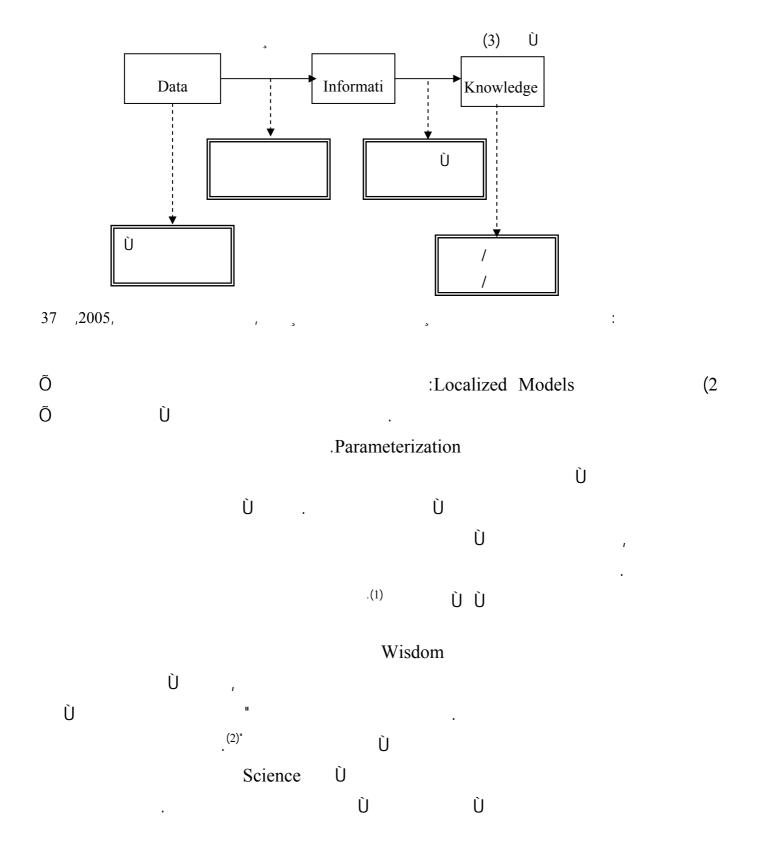
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1999, p, 19.



3- Keith R.MC Cloy, Resource Management Information Systems Process and Practice, o.p.cit.pp334.



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3. James O. Hicks, Jr., Management Information Systems a User Perspective, Op.cit, 1995, pp67-
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1. Christopher Martin, Powell, Information Systems/ A Management Perspective Op.cit, p14.

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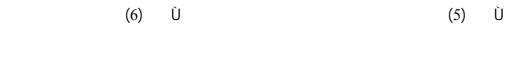
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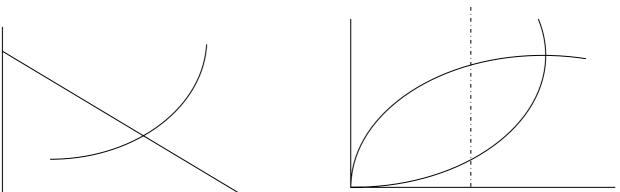
2. R.N. Nauhria, Rajnish Prakask, Management of Systems. New Delhi: A division of A.H Wheeler Publishing Co Ltd., 1995, p736.

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.43

5. ) John G Burch, Jr. ET. Al, Information systems/ Theory & Practice, Op.cit, p18.





Source: John G Burch, Jr. ET. Al. Information Systems / Theory and Practice, op.cit. p18.

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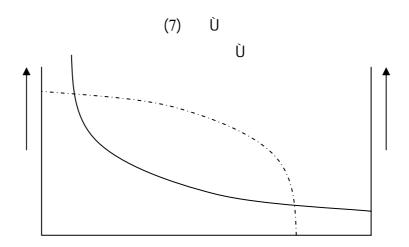
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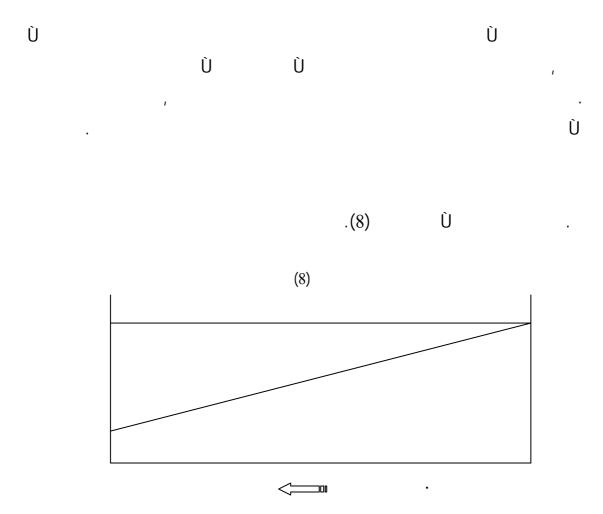
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<sup>1.</sup> Keith R. Mc Cloy, Resource Management Information Systems Process and practice, Op.cit Pp337-338.



Source: R.N.Nauhria, Rajnish Prakask, O.P. cit, Management of Systems, p736.



 $Source: Keith \ R.McCloy, \ Resource \ Management \ Information \ Systems \ Process \ and \ practice, \ Op. cit. \\ p338.$ 

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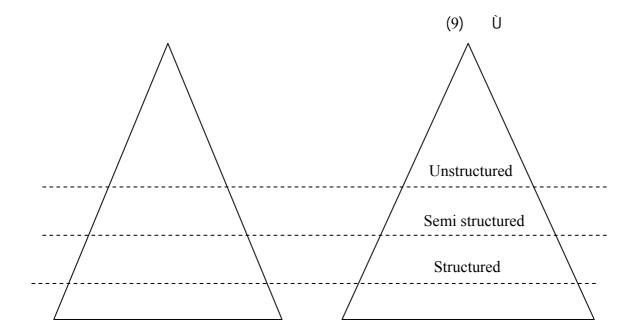
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Source: James O. Hicks Jr. Management Information Systems, Op.cit, 1987, p24.

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<sup>(1)</sup> George M.Scott. Principles of Management Information Systems. New York: Mc-Hill Co. 1986, p47.

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Schrenk(1969)	Nigro(1965)		Landberg(1962)			Simon(19	960)
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Robbins(1976)	Harrison(1975)		Rodelius et al.(1973)			Witte(19'	72)
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Gerdon&Pressman(1 978)	Stoner(1978)		Ross(1977)		Mint	ezberg et a	1.(1976)
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Fedman&Arnold (1983)	Janis(1982)	Archer(1980)	Brown Moberg(1980)
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Hill (1989)	Dafft(1988)	(1983)	Gillian et al.(1983)
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(2005)	(2002)	(1998)	(1997)
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(Wang,1994, Harrison&Pelletier,1997,Heracleous,1994) Ù
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(Messik&Bazerman,1996,Natale et al.,1995,Anderson,2000).
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Negotiated)
                             (Creative Decisions)
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                                Hudge & Johnson
                                                        (Delbecq, 1967, p.329) (Decisions
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                               .( 130 , 1989 , )
                                           ت- الآراء:
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           .( 529 ¸ 1996 ¸ )
                                           ث- الحقائق:
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1. البرمجة الخطية:
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                                    .(21 , 1996, )
                                      2. نظرية الاحتمالات:
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                                      .( 252 ¸1998 ¸ )
                                      :( 291 , 1997, )
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,1998,Õ)Õ
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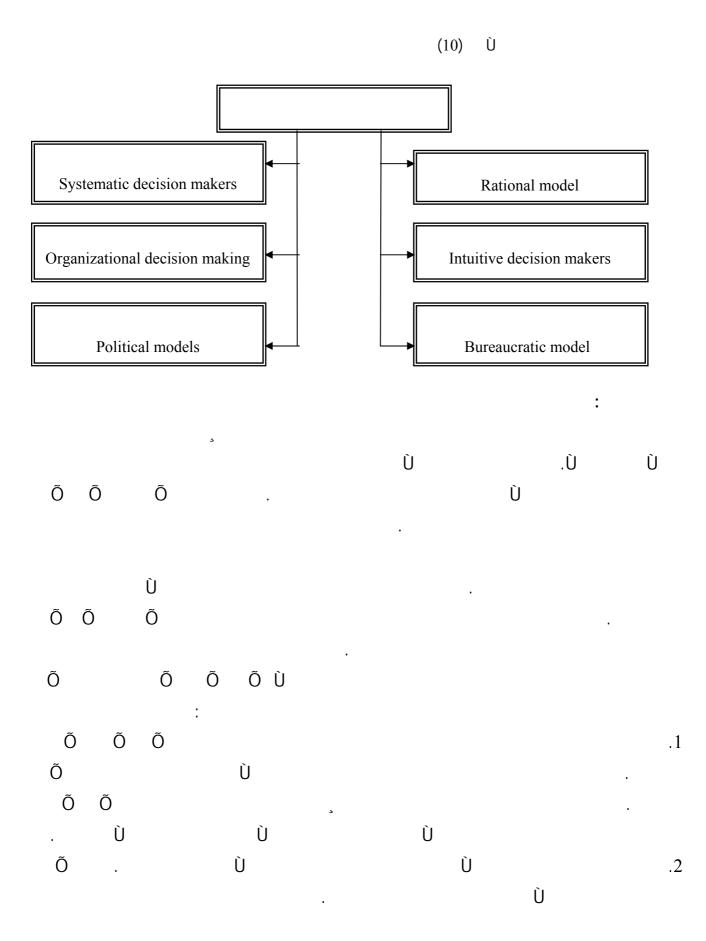
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Ù
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          Ù
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                            .( 150 , 1992 , )
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                  .( 176
                        ¸1994 ¸ )
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  Ù
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:(51 , 1993 ,
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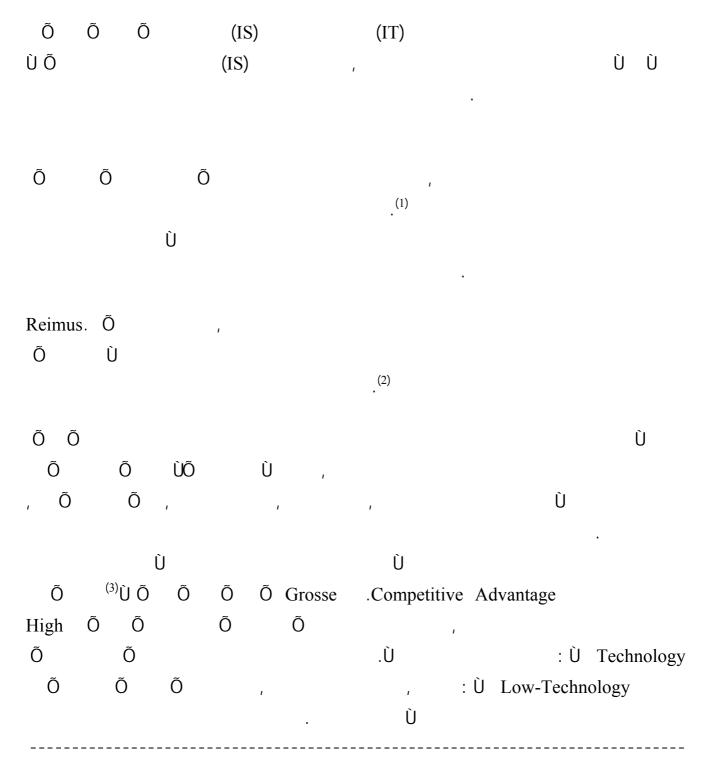
.3 Ù .4 Ù Ù Õ Õ Õ Õ Ù Ù Õ Õ ): .(112,113,114 , 2005, Õ :The process of decision making Strategic decision making Õ Õ , management control Ù Õ Õ Õ Õ operational control knowledge-level decision making Õ Õ Ù Õ Õ Ù Ù Unstructured decisions Õ . Õ Ù  $\tilde{\mathsf{O}}$   $\tilde{\mathsf{O}}$   $\tilde{\mathsf{O}}$ <sup>3</sup>Structured decision Ù

	¸rational )	(10)	ù Ù :(117·116	4115 2005,
Õ	ÕÕÕÕÕ		rational model	.1
Õ Õ Õ	ÕÕ . Ù	Ù	¸Ù	5
		Ù	Ù	Ù
		:systemati	c decision makers	.2
		intuiti	ve decision makers	.3
	غ		ù trial and	error
Õ ¸stru	Organizatio ctural and political charact	nal decision teristics of an	organization Ù	.4
	3		Ù,	
Õ	Õ Õ Õ Õ	bu	reaucratic model	.5 Ù
Õ		:	political models	.6 Ù ,
Õ	garbage can" model"			
	•	, accidental	reasons	



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Computer System
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Data Õ	Õ ,Da	tabase Manage	ment Syster	n	ı	
Õ	Õ Õ	Commun	ications			Network
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Õ Õ	Õ	Õ				
					Completive	Advantage,
Õ Õ	. Õ	Õ			(IT)	
<sup>(1)</sup> Õ	Õ	Õ		199	5	
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Õ Õ	Hardware			и		
.( 2002 )						
•	Ù	:			п	
ÙÕÕ				1		
	.(1995 ,	) "	Ù	·		ı
	(	,				•
(1) N. Carolin	e Daniels. In	formation Techno	logy the Man	agement Chall	lenge, Woking	nam: Addison-
Wesley Publis				5	<i>5</i> )8	/ 🗸
Õ			Ù			
( Õ	Õ)		ı			



1. Byron REIMUS, The IT System that couldn't deliver, "Harvard Business Review, (May. June 1997), p26.

2. Byron REIMUS, The IT System that couldn't deliver, op.cit, p26.

3. Robert Grosse, International Technology Transfer in service, "Journal of International Business studies", Vol 27.No 4, Fourth Quarter, (July. 1996), pp782-783.

	Soft	Ù				Grosse
Õ			Ù	Ù	ı	Ù
Õ	Õ			:Product	Technology	.1
Õ				:Process 7	Technology	.2
	r	Ù	:M	anagement	Technology	.3
	:Ù				(I)	Γ)
Õ	Õ	Office Autor	mation			
Õ,Õ	.(1)		Ù			·
						Ù . <sup>(2)</sup>
Õ	Õ				World "WW	W" Wide Web
			Ù		Reisman	
Õ	ı	Compute	er Syst	tem		
		Data Network		,Databas	e Managemer	nt System
Õ	Õ Õ	ÕÕ			Commun	nications
						. Knowledge
Õ (	Õ Õ	Õ,		5 5		_
Õ)	Õ		Ú			s
,						.( 92 , 1999 ,
1989 Ô	) 4 +3	.13 ,				, (1) 220-205 ·(
	Reisman "The lation Managem	Future of Informatio	.62 on Techn		ad hatters Tea	, (2) Party ". Journal of
11110111	iution ivialiagoli	ιοπι, μπ.	(1) <b>C</b> C	mputer Sys	stem	:

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Õ)
                                                                                .(12, 1987
                                                   Computer's Hardware
                                                                                     Ù
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                                                   Computer's Software
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(11) Õ ÙÕ
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                                                                           Users
                                      .(340-330
                                                  ,2006 ,
                                                               )
                                                          Ù
                                                   (11)
                                                Secondary Storage
                                              • Magnetic Disk
                 Communications Devices
                                              • Optical Disk
                                              • Magnetic Tap
                                                 Ù
          CPU
                               Buses
                                                                   Primary Storage
  Central Processing Unit
              Input Devices Ù
                                              Outputs Devices
                 Keyboard
                                              • Printers
                                              • Video display terminals
                 Mouse
                 Touch screen
                                              • Plotters
                                              • Audio output
                 Source Data Automation
```

Source: Kenneth C. Laudon, Jane P. (2005). Essentials of Management Information System: Managing the Digital Firm, Pearson Prentice Hall, 6<sup>th</sup> ed., .p.193.

.146

	Central p	processing unit	.1
Õ Õ Õ Õ	Õ .System	n or CPU Box	
$\tilde{O}$ $\tilde{O}$ $\tilde{O}$ $\tilde{O}$ $\tilde{O}$ $\tilde{O}$ . Con	trol unit	(Arithmetic-Logi	c Unit (ALU))
Õ Registers		,	
Õ Õ Ù			
	Ù	(CU)	.(ALU)
		. Ù	
	Men	nory and Storage	•
	:		
	Random A	ccess Memory RAM	.1
ÕÙ	Ù	ÙÙ	
Õ			
RAM			
Õ RAM Õ Õ .	·		
Ù .	(R	yte) Ù Bytes	Location
	(D	yte, o bytes	(5)
	•	(5) Ù	(3)
1		Storage Capacity	
1 0001 ( 11 0	String of eight bits	Byte	
1.000 bytes (actually 1.02	24 storage position) 1,000,000 bytes	Kilobyte Megabyte	
1	000,000,000 bytes	Gigabyte	
	0,000,000,000 byte	Terabyte	
	<u> </u>	Processing speed	
	1/1.000.000 second	Microsecond	
1/1.0	000.000.000 second	Nanosecond Picoseconds	
1/1.000.0	000.000.000 second	MIPS	
	ructions per second		
ource: Loudon &Loudon, op-cit. 195			
l quadrillion bytes ) Õ	Pet byte		
Õ Õ Semiconductor chips	Õ Õ	CPU	
Õ Õ Megahertz Õ	Õ	Microprocessors	
Č	per second	•	Megahertz

	Reduced in	struction set co	omputing				
						.(RISC) ROM	.2
Õ	Õ Õ	Read (	Only Memo	ry			
Õ		.Ù	Ù				
		·				Cache	.3
Õ	Õ Õ Õ				Ù		
					•	516	
						Flash	.4
Õ	Õ .Blocks Ù				RAM		
Õ	.RA	AM		Flash			
BIT	Ù	(1,0)		Ù			
	Ù		8 Ù	Binary	Digits		
			Se	condary	Storage	•	•
Õ	ÕÙ			(11)	Ù		
Õ		I	Floppy Disk	-		Magnetic 1	Disk
	. Ù				Hard I	Disk	
Õ	Optical Disks	Mag	netic Tape				
						Ù	
	ROM (Read-only Mers) DVDs.	mory Compact	Disk, CD-R	W (CD-	Rewritabl	e), Digital V	ideo
				Input D	evices Ù		•

Ù

, Touch Screen

,Keyboard

 $\grave{\mathsf{U}}$  ) Audio Input  $\grave{\mathsf{U}}$  , Digital Scanner

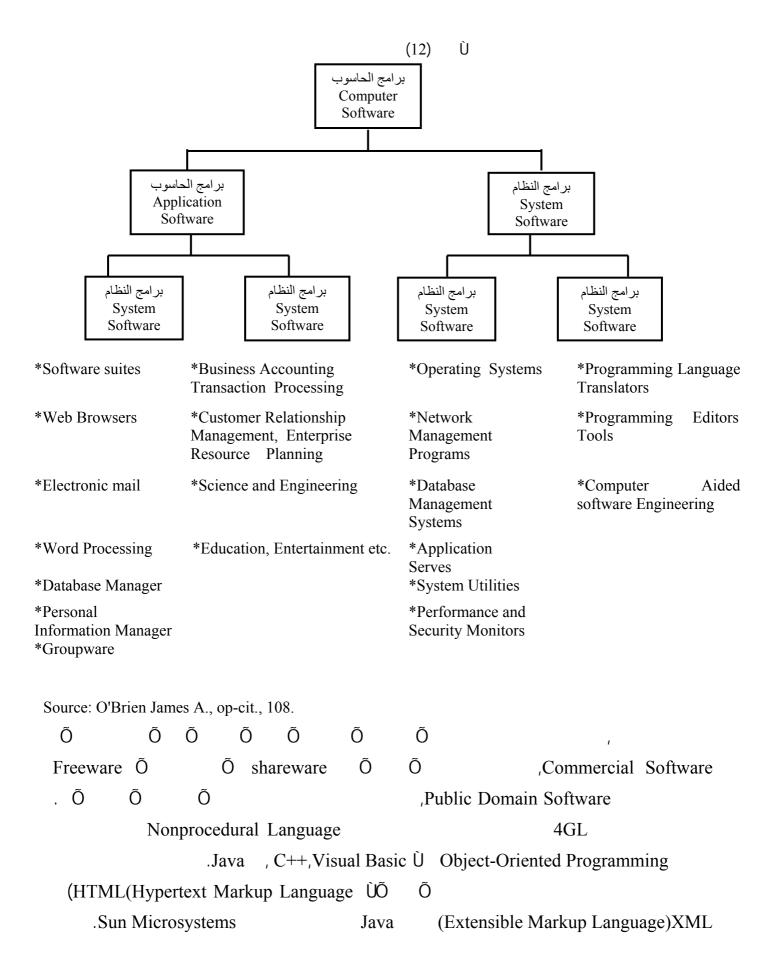
Bar Code Ù )Optical Character Recognition

,Computer Mouse

.(Microphone

Joystick	Õ	Tou	ch Screen		Ù	, To	ouch Pad		Ù
Õ Ù					Ù	Ù	Output D	evices	•
Video (V	/DU)		1			Catho	de Ray tu	be (CRT	)
	) P1	rinters	, Fla	t pane	el Displa	ay		,Di	splay Units
Õ	Õ	,Laser 1	Printers Č	)	,]	Inkjet		,Dot M	Iatrix
						,P	lotters	,A	udio output
				(	Comput	er Softw	rare	:	
			.(2005	5•144,	):				
						.S	ystem So	ftware	-
					A	applicati	on Softwa	are	-
						.Syste	em Softwa	are	•
Gupta, U.,	) Õ	Õ	ÙÕ		Ù				
Õ	Õ	5	Ù						.(2000
Kenneth C	.) Õ	Õ	, Õ	3	Õ ,	Ü	Ù	Ù ¸ .(Laudon,	Jane P. 2005
System	Õ	Õ	Systen	n Mar	nagemen	t Progra	ams		
Õ		Sy	stem Dev	elopn	nent		Dev	elopmen	t Programs
Õ	(	General p	urpose Ap	plicat	ion Pro	grams			
Õ Õ		(1	2) Ù		,App	lication	Specific	Program	ns
Õ				Ù					
		.(200	5.144,	Ù	Ù				Ù
Õ Õ	Õ				"Ù				
					Ù		Ù		Ù
Õ					Ù	Ù	Ù	J	Ù
				. (117	زي،1999	غراب وحجا	)" System	n Initializ	zation
Õ Õ		Progra	amming La	angua	ge				
Õ	Cobol,	Basic))	Õ			Ù			ı
Õ	.(		)	Ù		Ap	plication	Generati	on
Compiler	s and	Õ	Õ	Õ	Õ	Object	ts Oriente	ed Õ	Õ

Õ							Ù		)	Interpreters
ÙÕ	Õ	Ù	J	C	perat	ting Systen	ns Ù		. (	
ÙÕ	Ex	ecutive	Õ	Monit	or		Ù			
.(	(Kenne	eth C. Lau	ıdon, Jan	e P. 1998	3)			Ü	Ì	
						A 1	·	C		
Õ	Õ	ὶιõ		ĎI.		Appl	ication So	itware		•
Ō	Õ	ÙÕ		Ù						
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Õ		Õ				Ù			5	
, Õ		)				Ù				.(119¸ 1999
Õ		ÕÙÕ	ÙÕ	Ù					(12)	.(119, 1999 Ù
		3, Excel			ν Õ	Õ	ÙÕ	Word	Process	
7 2000	. 1. <b>2</b> .		Brows			J	,Electron			5
Õ	Ć		Õ	Õ				Notes		Ù
Õ		,	Ù, Ù	J ,	ı	Ù				
		Supply	•	Ù	·	Custon	ner Relatio	onship N	Manager	nent
Õ	E-Le	earning	Õ	Õ	,e-	Commerce		1		anagement,
Õ						,Enterpr	ise Resou	irce Pla		,
Custo	mized	l Softwa	re Õ		Õ	Õ (	Ď			
ÙÕ	Õ	Ù							]	Packages.
Oracle	e, Ù	,Databa	se Man	agemen	t Sys	tems		1	Operation	ng Systems
				Ù					SQL S	Server 2000
Õ								Net	work M	anagement
,CASI	ΞÕ	Õ		Co	mpu	ter-Aided S	Software I	Enginee	ring	
Õ		Õ					,			
Ù Ne	etworl	x Operat	ing Sys	tems		Ù	Netwo	ork Mai	nagemer	nt Programs
Micro	soft's	Window	vs NT, l	BM's to	elecor	mmunicatio	ons Monito	or CLC	S, Õ	
									Nove	ll Netware



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Kinds of Computers Systems:
  Õ
                                  .(Gupta,U., 2000) (2005·144, ):
                                                                          -1
Õ
         Õ
               Õ
                          :A personal Digital Assistant
          Õ
                                                          Ù
  Õ
                                Ù
              Ù
                                               Ù
                                                            Ù
                                  :A Notebook Computer Ù
Õ
                             Ù
                                Ù
        Õ
                                                                          -2
                                                      PC
                                A Desktop Computer
                                               Windows Ù
Ù
                                        Minicomputer Systems
                                                                          -3
 Õ
      Õ Õ
                     Mid-Range Computer
 Õ
         Õ
                                                Server
                                                           Ù
                                                                       Ù
     e-Business Õ
                        Ù
                               e-commerce
                                                                 Ù
                                 Mainframe Computers Systems
                                                                         -4
              Ù.
   \tilde{O} ) \tilde{O}
                  Ù
                                                   .(
                                   Supercomputer Systems
                                                                          -5
ÙÕ
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                 Ù
ÙÕ
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         Õ
                                       ,GE, GM,AT&T Ù
                                                                      ,NASA
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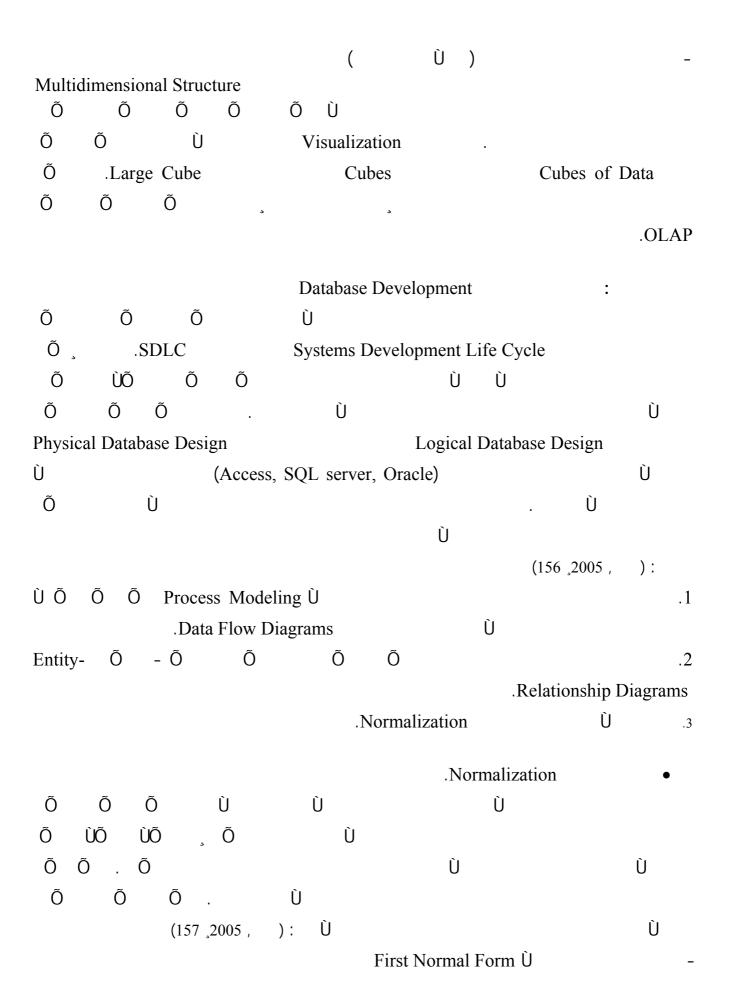
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Database Management System
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    \tilde{\mathsf{O}} \tilde{\mathsf{U}}\tilde{\mathsf{O}} , \tilde{\mathsf{O}}
                                                         Ú
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                      Ù
                                         Data Base))
                                                          . (7, 1992, )
   Õ
               Ù
                     Ù
Ù
                                        Data Recourse Management
  Õ
         Õ
                         Data Warehouse
                                                           ,DBMS
                               Ù
                                                                  Data Mining
                             The Concept of the database
                                                                           :Ø
 Õ
                          . (288 1989 ): Ù
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                                                                  .(8 1992 ) "
It is an Organized Collection of Õ
                                                   Õ
                                                          Õ
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ÙÕ
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                                              Ù
                                                              Logically Related Data.
                                                                           Ù.
               .(151 ¸2005 ¸ ):
     . Õ , Õ ,
 Õ
                                                              character
                                              .(
                                                                 ) Byte
```

ÙÕ	Object	Ī	Entity					Ù	Field	Ù	-
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				Ù	Ù				ı	ı	
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Õ	Õ.Ù								:File		-
ÙÕ	Co	lumns	:		Ù						
				. R	Records	Ù	Rows		Fiel	d Ù	
	Õ										-
		.Da	ata Base	Manager	ment Sys	tems			(		)
			Data	base Mar	nagement	System			:		
Õ	Õ		1								
	Õ									ı	
					.(152 ¸20	05 , ):					
					Da	ata Definit	tion Languag	ge			.1
Ù.		Ù		Ù		,Ù	,Ù				
					Data N	Manipulati	ion Language	e			.2
Õ	,Ù Õ		ı	ı							
								Ù			
					Data	Control L	anguage				.3
				1			(D	CL)			
Õ	Õ	Õ	Õ	Ù		Datal	base Engine				.4
,Us	sers Inte	erface	Õ Õ	Õ			Programs	Τ	Tools		.5
Data	Õ	Õ	Õ	. (	Ù		Data	Base			.6
Õ	Õ				M	Ieta Data			Die	ction	ary

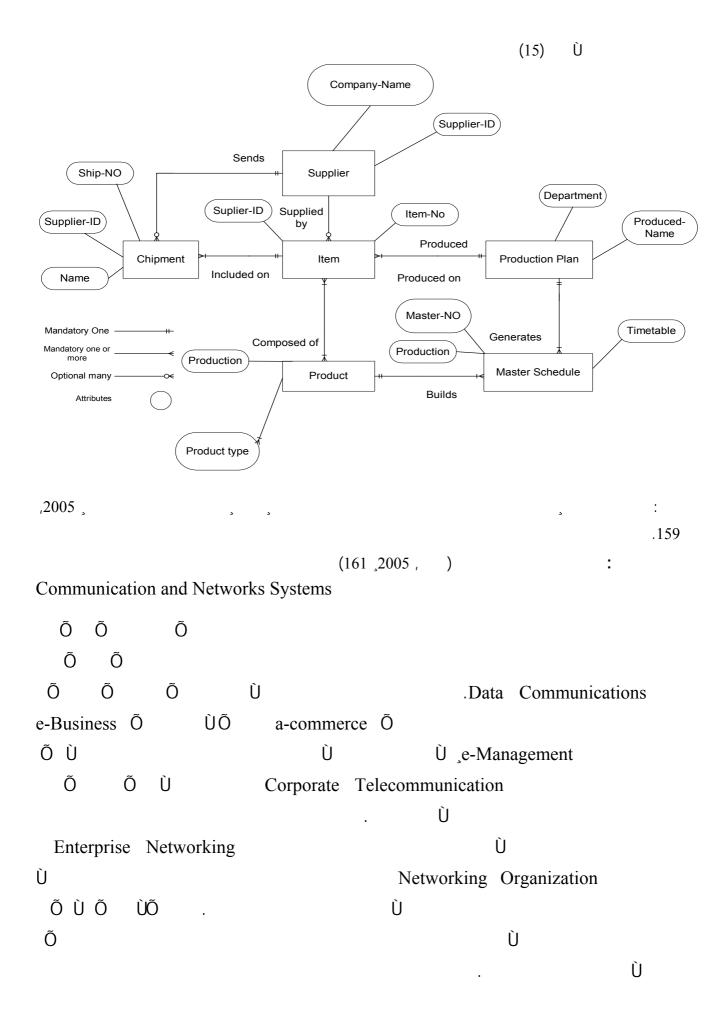
```
Ù
    Logical Schema
                                         Ù
Ù
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                                                  Ù
                                                       Ù
                                                                 Ù
 Õ
                                                                        Ù
                                              Ù
                     Types of Database Structures
                                                            Ø
                                                        Ù
  .(154 ¸2005 ,
                ):
                        Hierarchical Structure (
                                                    Ù
 Õ
                            Mainframe
Õ
                                                             Ù
                                                                 Ù
        (
(One-to-Many)
 ÕÙ
                             Network Structure (
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   (Many-to-Many)
                                                    Ù
                                                        . Mainframe
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                                              (13)
                                                    Ù
                        Department
                                         Department
                                             В
                Employee 1
                                Employee 2
                                                Employee 3
                                          Project B
                        Project A
```

				Relat	ional St	ructur	re (	Ù)			-
Õ											
ÕÜ	ÌÕ	Õ				Ù	J				
Colum	ns	Õ	ÕÙ	Ù	.Relatio	ons		(	) Ù		
	Ù	Ù	Ù		Record	ds	Ù	Rows	Fi	elds Ù	Ù
ÙÕ	Õ	Õ		(Foreign	Key		Ù	Primar	y Key		Ù)
										:(	14)
						(	Ù )				-
Object Õ	-Ori	ented of O	Structur Õ	e Õ ÙÕ							
Object-	-Ori	ented	(Õ	Õ	) Õ				Relat	tional st	ructure
. Õ					5					.progra	mming
¸Classe	es	Ob	ojects								
Õ	Ù	Õ				3	Inherita	nce	¸Encap	sulation	1
					.(	14)	Ù			Polymo	rphism
						Ù	(14)	Ù			
			Emplo	oyees				De	partments		
	EM	-ID	EM- Name	Hire data	Salary		Dept- ID	EM- ID	Location	Salary	
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						<b></b>		,			
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											Primary Key
Fore	eign K	<u>Cey</u>									<u> </u>
2005											
Fore	eign K	<u>Cey</u>									Primary Key
,2005 ¸				3 3					3		:

.155

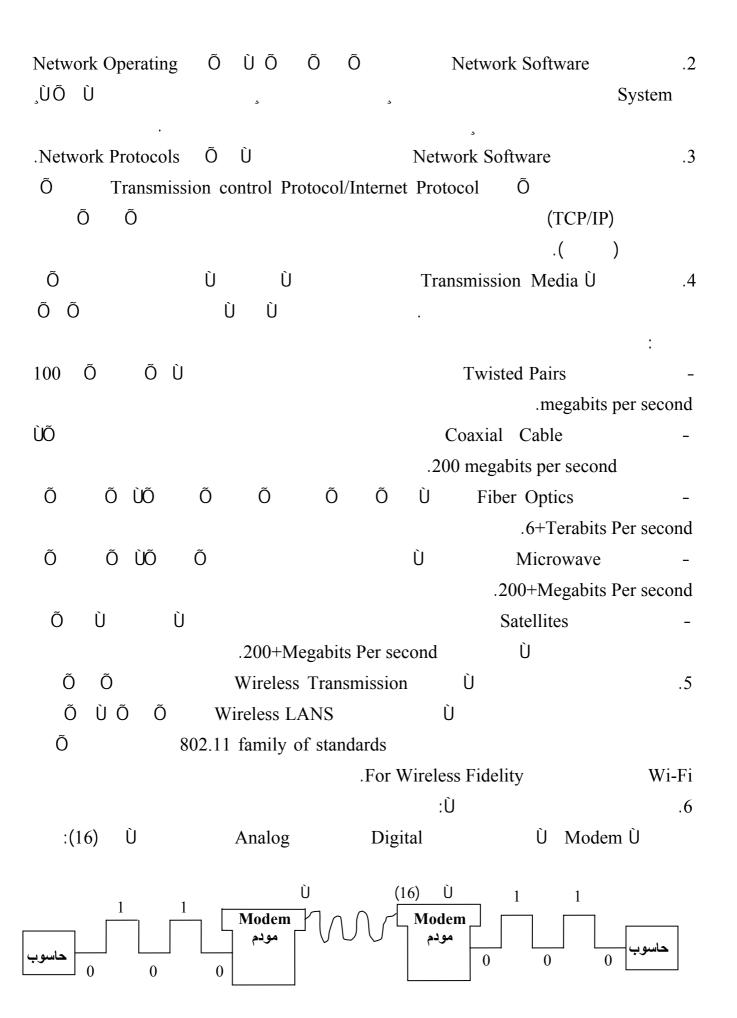


ÙÕ	<b>.</b>										
		Û	JÙ		Ù						
		.Re	move F	Repeating	g Grou	ps					
					Sec	ond No	ormal l	Form			-
Ù	Ù	Ù				Ù	Ù				Ù
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ÕÕ	Õ						Ù	Ù		Ù	J
						.R	Remov	e Partia	l Depen	denci	es Ù
					T	hird No	ormal l	Form			-
	Ù		Ù								
Õ Õ	Õ	ÙÕ					Ù	5			
		.Remo	ve Tran	sitive D	epende	encies					Ú.
	Õ				Ù		Norma	alizatio	n		
									Ù	J	
~	~			Entity 1	Relatio	_		am :	-	٥.	•
Õ	Õ					En	itities			Ù	
	Õ	`. ≃									
Õ	Õ (	ÙÕ					3.				
						:(15)	Ù				
Master S	Supplier	Prod	uction	Plan <b>(</b>	Õ	) (	Õ Õ	Õ	Õ	Õ	Õ
Database		Õ	Õ	Õ							Schedule
Õ Õ		J	J	Ù		Log	-	Design	<b>10</b> 111 <sub>5</sub> 1 10	ano v <sub>s</sub> e	Schema
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						Computer Network		:Ø	
Tra	nsmissio	n Med	ia ÙÕ						Ù
Õ	Ù						Ù		
	.Data C	ommun	ications			Ù			
			Ad	vantage	es of C	omputer Networks			•
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						Knowledge C	Capital	Ù	
Kno	owledge		Kno	wledge	Creat	ion		Ù	-
						.Knowledge Transfer		¸Sh	aring
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Õ	Extra	net Õ		Ü	Ù				-
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			Compo	menta o	f Com	nutar Natworks		•	
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Õ	Õ	Clia	ents Õ		Server	•			.1
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                                                                  Bridge
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                                       Types of Networks
                            Ù
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                                      Local Area Network
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                                        Ù
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           Internet or
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             Other
           Networks
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Client\server
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               Peer-to-peer Network
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                                                     Value-Added Network
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                              (167 , 2005 , ):
                                              Star Network
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                               Client
                            Hub or server
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                                               Client
                               Client
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 $\tilde{O} \quad \grave{U} \tilde{O} \qquad \tilde{O}$ Ù Õ Ù ÕÕ Ù ¸Hub Server ÙÕ Õ Ù Ring Network Õ ) ( Ù Ù Ù Õ Õ Õ Õ :(19) Ù (19) Ù  $PC_1$ PC<sub>2</sub> .168 ,2005 ¸ Ù . Õ ÙÕ Õ Õ ÙÙ Ù Ù. Ù Bus Network Ù Ù Ù :(20) (20) Ù

Business Networks Ø Intranet  $\tilde{O}$   $\tilde{O}$   $\tilde{O}$ ÙÕ IT Õ Internet Extranet ÙÕÕÕ Ù Õ Ù .Infrastructure Intranet Õ Ù ÕÙ Õ Õ Õ .(356 2005 , Õ Õ Ù Ù . Õ Õ Õ Õ Ù Õ ÕÕ .(169 ¸2005 , ) Ù Firewalls Õ Ù Ù :(21) Ù (21) Ù Intranet Internet Intranet SERVER Intranet

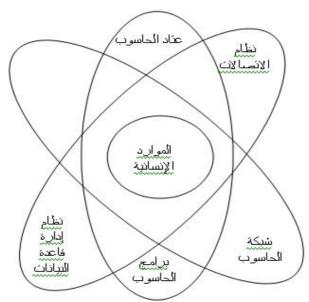
.170 ,2005 , :

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Organizational benefits of Intranets
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   .(146 ¸2005 , ):
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      Ù
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       .(169 ¸2005 , )
            .(357 ,2005 ,
                                  ) (171, 2005, )Extranet Net:
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(151 _{2}2005 _{1} \tilde{\mathrm{O}} ): \tilde{\mathrm{O}} \tilde{\mathrm{O}}
                                                       .(Gupta, U., 2000) (Zwass, V., 1998)
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Syster	ns Analysts	s & Designer	Õ Õ	ÙÕ	Ù					
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.170 ,2005 ¸

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           Public Service Electric & Gas
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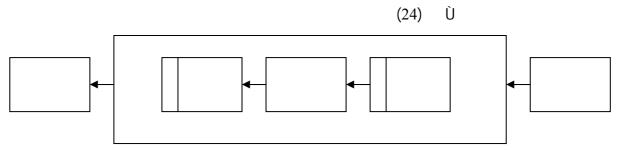
Õ ÙÕ ÙÕ Õ Õ Ù :Ø The Concept of the System :Ø Ù Õ Õ Õ Õ Õ ÕÕ Õ  $\tilde{O} \quad \grave{U} \tilde{O}$ Ù Ù Õ Ù System .(1) Systema Õ ÙÕ Ù Martin ÙÕ Õ Õ and Powell .<sup>(2)</sup>"Ù Ù parker , Õ , Õ Ĵ . 1

Christopher Martin, Philip Powell, Information System, A Management Perspective, Op.cit, p32.
 Charles S. Parker, Management Information System, Strategy and Action, New York, McGraw

Hill Publishing Co.1989, P86.

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                    (23)
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Source: Mike J.S.Harry.Information and Management system, op.cit, p.15.
    ,1986 ,
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                   .57
3. Mike J. S. Harry. Information and Management System, London, Pitman Publishing, 1990, P15.
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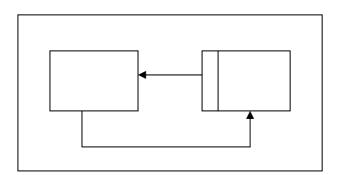
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1. R.N.Nauhria, Rajnish F	 Prakask Managen	 nent of	System on cit	 21-23			
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Source: Charles S. Parker, Management Information system, Strategy and Action, op.cit, p.87.

(25) Ù

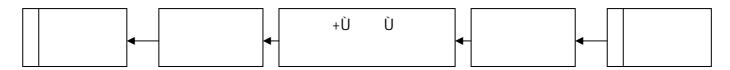
(25) Ù



Source: Ibid; p.88.

Õ Õ Ù Ù . (26) Ù

(26) Ù



Source: Ibid; p.88.

:Feedback control .5

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Õ Õ			•	Ù		Deterministic Systems: .5 :Probabilistic Systems .6
Õ						Ù ( ) Ù

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Gordon B. Davis, Margrethe H. Olson, Management Information System, New York, McGraw Hill Inc., 1985, P272.

	Management of the System :		
Õ Õ Õ Õ Ù Õ Õ , Õ	Ù .		
Õ Approaches to the Managen :(1) Ù , Ù	nent of the Systems Ù		
Ù Ù Õ .Ù	Static Approach: Ù .	Ø	.1
	:Scientific Approach . Ù	Ø	.2
Õ Õ Õ Õ Õ Õ .	: Systematic Approach Ù Ù	Ø	.3
, Õ Õ	:Strategic Approach Ù Ù	Ø	.4
Õ Ù Õ Õ Ù	: Socioteechnical Approach -	Ø	.5
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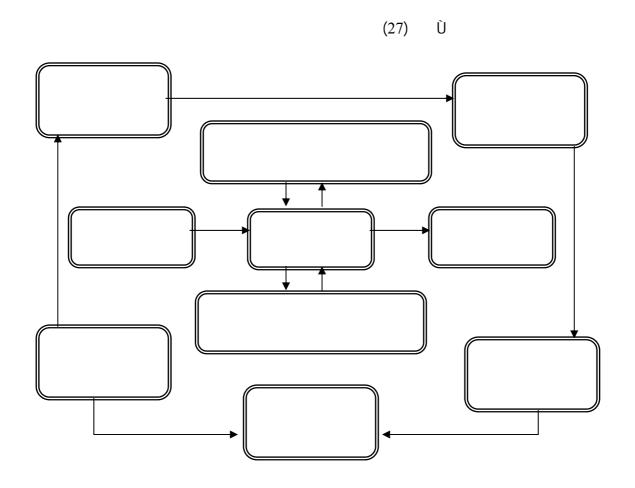
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<sup>1.</sup> R.N.Nauhria, Rajnish Prakask, Management of System, op.cit, p.28-29.

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.(1)
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                      Networks
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.32 ,2005, :

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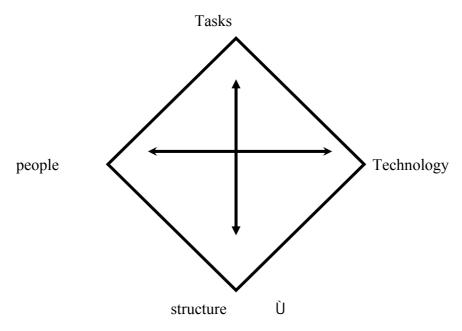
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<sup>1.</sup> Gupta, U, Information System: Success in the21st century, Creighton University, (Prentice Hall, Inc.)200.

<sup>2.</sup> Laudon, And Laudon, J., Management Information System: New Approaches to Organaizion and Technology, (Prentice Hall, Inc.)1998.

Õ	Ù			Globalization:		.3
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1. Gupta, U, Information System: Success in the21st century, op.cit, p.200.



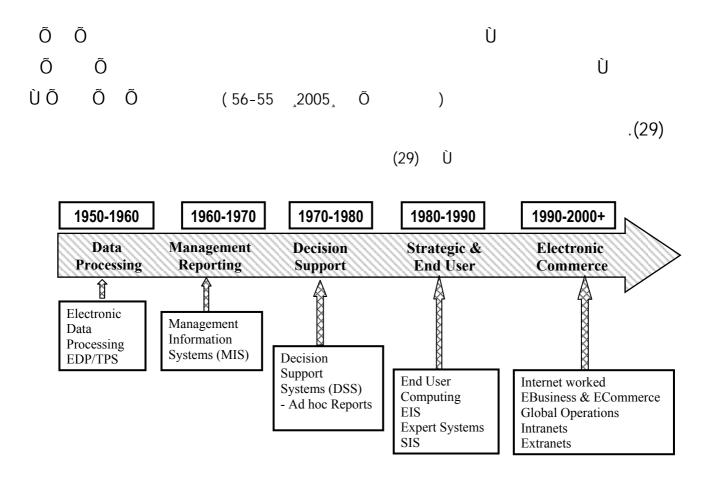
Source: Laudon, K. and Laudon, J., Management Information System, 1998.

Ø :Ø ÙÕÙÕÕ Õ Õ Õ Õ .1 ( 2000, ) . Ù .2 (1997 , ). Õ Õ Õ .3 (1997 ¸ ). Ù .4 (1997 ¸ ).Ù ÙÕ Õ Õ Õ .5 : (2000 ). Õ ). .6 ( 2000, :Ù (1997 , ). .7

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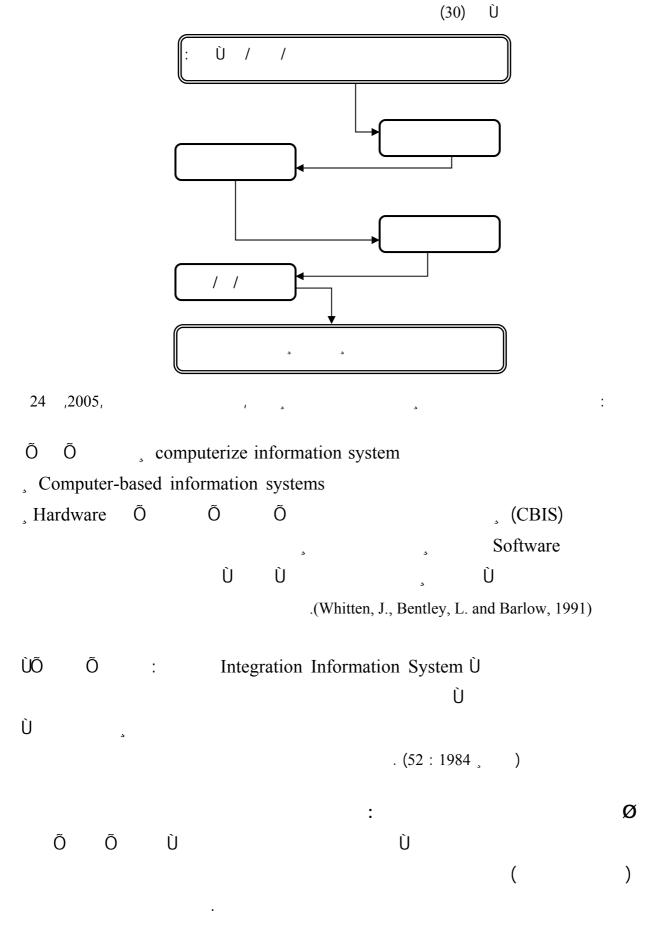


Source: Sherif Kamel, School of Business, Economics and Communication, the American university in Cairo, 2006.

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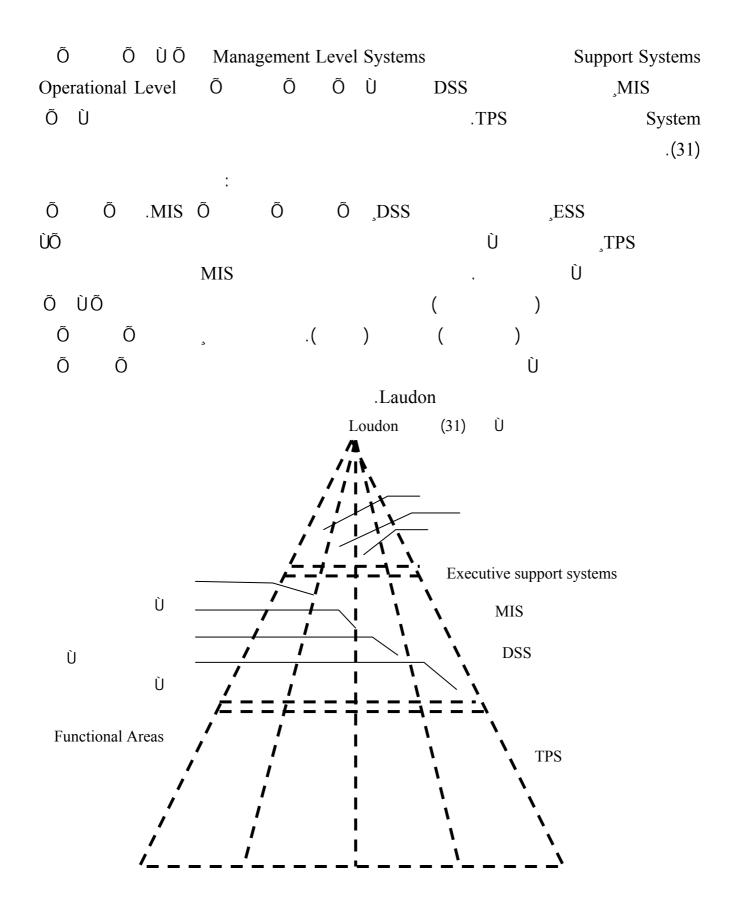
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 .( Bocij,et al,2003:43 ) "
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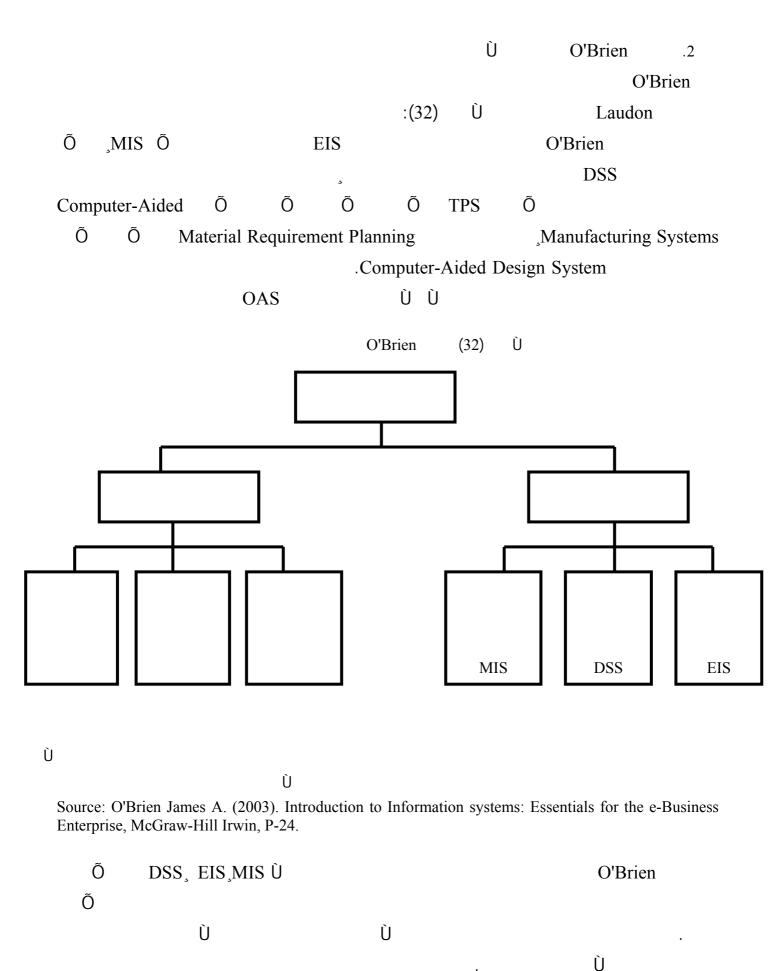


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     Executive Ù Strategic Level Systems
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.96-94



Source: Kenneth C. Laudon, Jane P. Laudon, Essentials Management Information System, Organization and Technology, Op.cit. p.32.

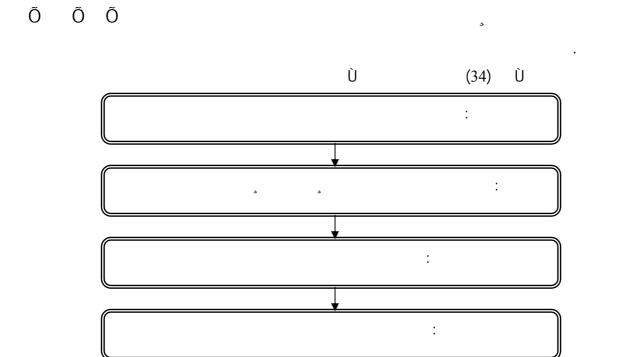


.O'Brien

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Information systems serve each level organizational hierarchy

28

,2005,

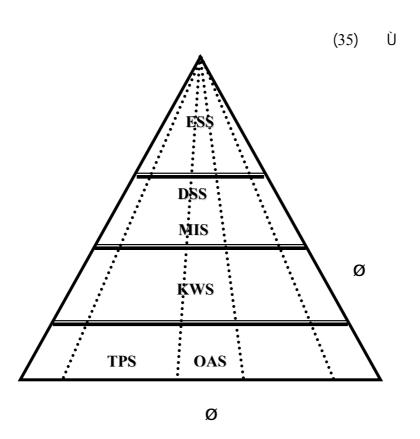
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Ù	Ù	strategic level .4



Source: Gupta, U., Information System: Success in The 21st Century, Greighton University, (prentice Hall), 2000.

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Decision support features	MIS	DSS	EIS	ES
Type of decision maker	Many operational managers	Individuals and small groups of tactical managers	Individual strategic manager	Individual strategic, tactical, or operational manager
Type of problem	Structured	Semi-structured	Unstructured	Structured
Type of information	Pre-designed reports on internal operations	Interactive queries and responses for specific problems	Online access to internal and external information on many issues	Conclusions and recommendations for a particular complex problem
Type of use	Indirect	Direct	Direct	Direct
Phase of decision making	Intelligence	Design, choice	Intelligence	Implementation

Source: Kenneth C. Laudon, Jane P. Laudon, Essentials Management Information System, Organization and Technology, Op.cit. p.32.

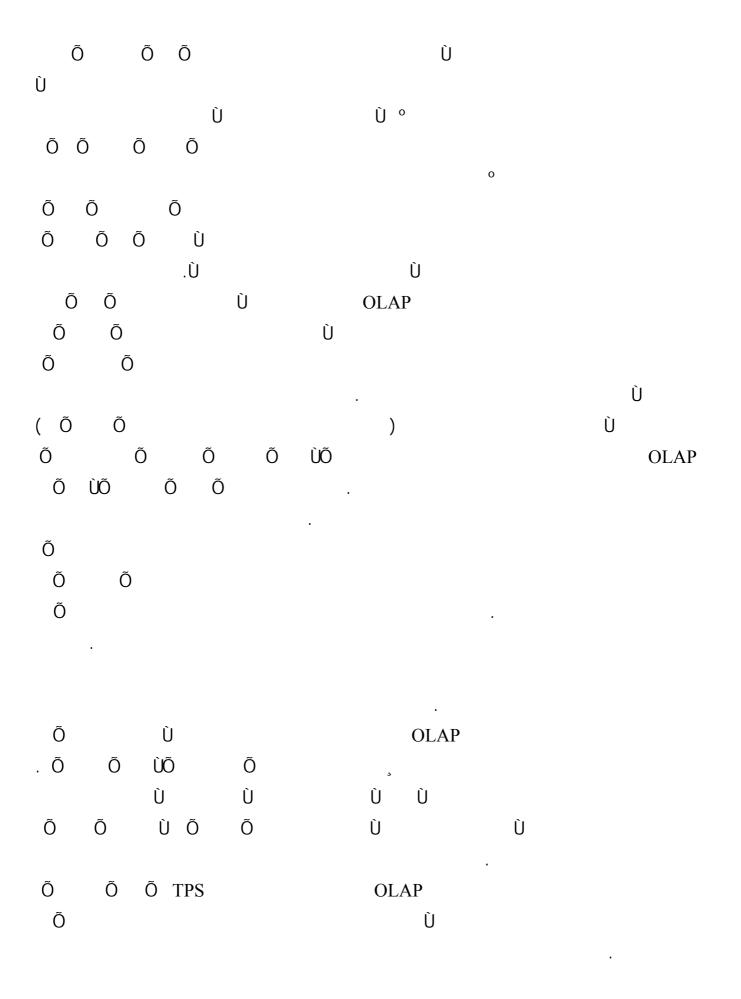
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2. Kenneth C. Laudon, Jane P. Laudon, Essentials Management Information System, Organization and Technology, Op.cit. p.33.

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Data Base

MBMS MBMS

DGMS

Model Base

Source: Sprague H., McNurlin C. (1998). Information System Management in Practice, NJ: Prentice-Hall, 4<sup>th</sup>. P, 369.

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Types of Information Systems: specialization

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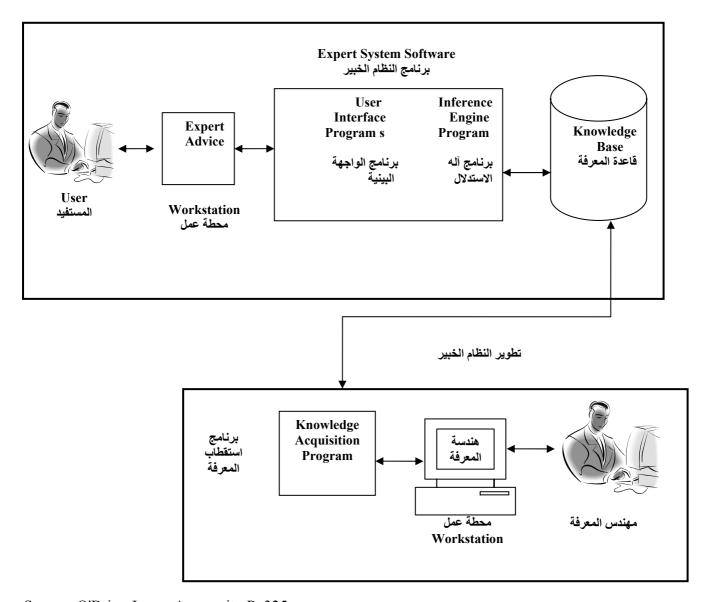
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Library Management Systems/LMS:

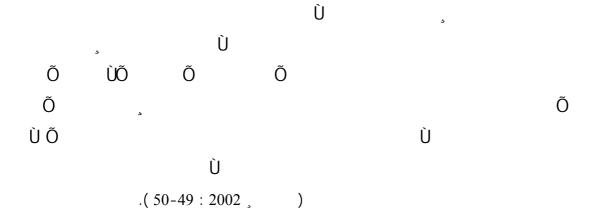
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Source: O'Brien James A., op-cit., P, 325.

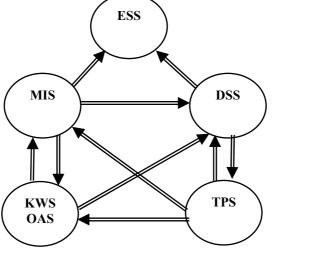


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Source: Laudon, K. and Laudon, J., Management Information System: New Approaches to Organization and Technology, 1998.

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1. **محمد محمد الهادي.** توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية . - cybrarians journal . - ع 9 (يونيو (يونيو ) . - الأحسد, 11 فبرايسسر, 2007>. - متساح في المعلومات في المعل

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1. \ \ www.arablaw.org/Download/Information\_Security.docsource.
2. www.oecd.org
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Source: http://www.cybrarians.info/journal/no9/info-secuirty.htm

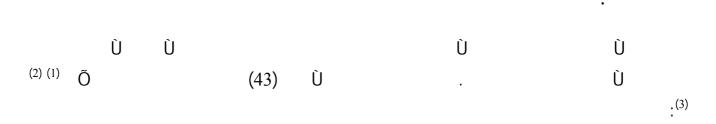
محمد محمد الهادي. توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية . - cybrarians journal . ع 9 (يونيو يونيو . ونيو . - cybrarians journal . ع 9 (يونيو . . 2006) . الأحسد, 11 فبرايسسر, 2007>. متساح فسي: http://www.cybrarians.info/journal/no9/info-secuirty.htm

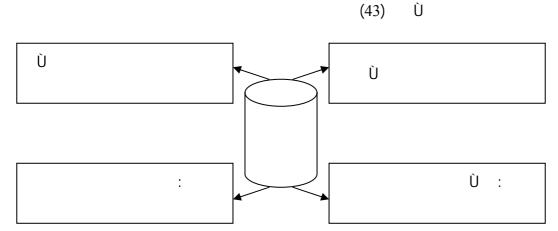
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3. محمد محمد الهادي. توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية .- cybrarians journal .- ع 9 (يونيو (يونيو ) .- الأحسد, 11 فبرايسسر, 2007>.- متساح فسي:
                                        http://www.cybrarians.info/journal/no9/info-secuirty.htm
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4. www.itep.ae /Arabic/educationalcenter/edu\_articles.asp

Õ Õ Õ ÕÕ ¸Õ Õ Õ Ù Õ Õ Õ Ù Ù Ù Ù (42) Ù Ù Ù (42) Ù Ø Ù Ù Ù Ù Ù Source: http://www.cybrarians.info/journal/no9/info-secuirty.htm

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2. http://www.c4arab.com

<sup>1.</sup> **محمد محمد الهادي.** توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية . - cybrarians journal - ع 9 (يونيو (يونيو ) . ونيو (2006) - الأحسر, 2007) - الأحسر, 2007) - متساح فسي: http://www.cybrarians.info/journal/no9/info-secuirty.htm

<sup>3.</sup> http://www.arablaw.org/Download/Information\_Security.docsource

Ù Ù Ù Ù Threats to Information System :Ø (3) (2) (1) . 1 .2 .3 .4 Ù Õ Ù Ú Ù Ĵ Ù Ù Õ Õ Õ Ù Ù Ù Ù ÙÕ Õ Bugs Õ Õ Õ Ù

<sup>1.</sup> **محمد محمد الهادي.** توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية .- cybrarians journal .- ع 9 (يونيو (يونيو 2006) .- الأحسد, 11 فبرايسسر, 2007>.- متساح في المعلومات في ظل الدين 11 فبرايسسر, 2007>.- متساح في 12 فبرايسسر, 2007>.- متساح فبرايسسر, 2007>.- متساح فبرايسسر, 2007>.- متساح فبرايسسر, 2007>.- متساح فبرايسسر, 2007

<sup>2.</sup> http://www.c4arab.com

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<sup>1.</sup> **محمد محمد الهادي.** توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية .- cybrarians journal .- ع 9 (يونيو (يونيو 2006) .- الأحسد, 11 فبرايسسر, 2007>.- متساح فسي: http://www.cybrarians.info/journal/no9/info-secuirty.htm

<sup>2.</sup> www.itep.ae /Arabic/educationalcenter/edu\_articles.asp

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2. www.itep.ae/Arabic/educationalcenter/edu\_articles.asp

محمد محمد الهادي. توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية . - cybrarians journal . - ع 9 (يونيو (يونيو (2005) . - الأحسد, 11 فبرايسر, 2007> . متساح في : http://www.cybrarians.info/journal/no9/info-secuirty.htm

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1. **محمد محمد الهادي.** توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية .- cybrarians journal .- ع 9 (يونيو 2006) .- http://www.cybrarians.info/journal/no9/info- الأحد, 11 فبراير, 2007> الأحد, 11 فبراير, 2007> متاح في: secuirty.htm

2. www.itep.ae /Arabic/educationalcenter/edu\_articles.asp

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2. http://www.c4arab.com

3. http://www.arablaw.org/Download/Information\_Security.docsource

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1. **محمد محمد الهادي.** توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية . - cybrarians journal . ع 9 (يونيو (يونيو ) . ونيو (2006) . و الأحسر, 2007 . متساح في الأحسر, 2007 . متساح في الملكة (2007) . http://www.cybrarians.info/journal/no9/info-secuirty.htm

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1. **محمد محمد الهادي.** توجهات أمن وشفافية المعلومات في ظل الحكومة الإلكترونية .- cybrarians journal - ع 9 (يونيو 2006) .- http://www.cybrarians.info/journal/no9/info- الأحد, 11 فبراير, 2007> الأحد, 11 فبراير, 2007> الأحد, 11 فبراير, 2007> الأحد secuirty.htm

2. http://www.al-jazirah.com/digimag/04072004/por53.htm

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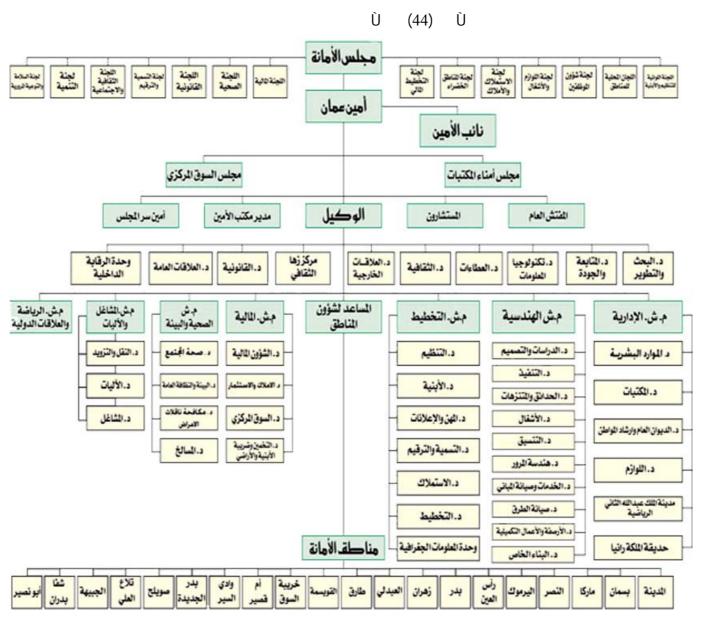
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	60	120							
	35	70		Ù 10					
	22.5	45		15-11					
	17.5	35		20-16					
	15	30		25 -21					
	10	20		25					
Õ	ÕÙ			<u> </u>	1996) Ù	Ù			
Õ	Õ		Ù						(1999)
Õ	Õ			(19	93)		5	Ù	
Õ		(%60)				5			
						(0/ 20)			

, Õ (%60) , (%30) , (%30) , (%2.5) (%7.5) . (%90)

Õ Õ Õ (%35) Ù Õ Õ Õ Ù 10 Õ (20 – 16) Õ Õ (%22.5) (15 - 11)(%15) Õ (25-21)(%17.5) Õ Õ ù (%10) 25 ÕÕ Õ

Ø :

 $\tilde{\mathsf{O}} \qquad \qquad \mathbf{0} \qquad \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}} \qquad \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O} \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}} \qquad \tilde$ 

(200 = )Ù (8) Ù (%) (%) (%) 0.81 4.1 75.2 20.6 4.2 Õ Õ .11 0.85 2.10 9.4 20.5 70.1 Ù .19 85 9.2 0.77 3.85 5.8 .20 3.35 1.15 2.25 14.8 80.2 Õ Ù .12 2.45 1.00 13.9 55 31.1 .13 2.35 1.10 2.30 13.1 20.1 66.8 .14 0.86 2.25 4.5 15.4 80.1 .15

.16

0.90

3.80

2.78

87.1

10.6

2.3

```
:Ø
                                           (%75.2) (8)
                                                          Ù
Õ
                                                                Ù
                                       (%4.2)
                     Ù
                                                  Ù
Õ
      Õ
                                                   (%9.4)
       Õ
                                Ù
Õ
                                                                (%70.1)
                                                 .(2.10)
 Õ
                                          (% 85) (8) Ù
                                              (%5.8)
                                                    (3.85)
                                           Ù
                                      .1
                                   Ù
                                                                   Ù
                                                                   Ù
Õ
     Õ
             Õ
             Ù
                                               (%80.2)
                                                        (8)
                                                              Ù
                  (%14.8)
                            (2.25)
                                                                  (%5)
                                                                   , 1
                                         Ù
                                                             Ù
                Ù
                        (2001)
    .Harrison (1992)
  Õ
                                               (%55)
                                                       Ù
(%13.9)
                            (%31.1)
          Ù
                                             .(2.45)
 Õ
                                           (%66.8)
                                                     (8)
                                                          Ù
 Õ Õ
                 (%81.1)
                                 (2.39)
        Õ
    ÕÕ
```

```
(1992) Ù
                                             (% 4.5)
Õ
                      (%87.1) (8) Ù
                                                         Harrison
ÕÕ,Õ
                             (%2.3)
                                         .(3.80)
  Õ
   Õ
                              Ù
Õ Õ
Õ
           Ù Al – Gamdi (1998); Dean (1996)
                  (% 69) (% 25)
                                                    (% 25) Ù
   (% 70)
         Ù
Õ
                                                 Ù
                                                            Ø
                           Ù
                                                        Ù
                                                  (9)
                                               Ù
                                     Ù
                                                       Ù
      (200 = )
                                                  (9)
```

(%)		(%)			
2.5	5	97.5	195	Internet	-1
20	40	80	160	Electronic Archive Systems	-2
25	50	75	150	Self Services Machines	-3
57.5	115	42.5	85	Electronic Commerce Payment System	-4
20	40	80	160	Extranet	-5
10	20	90	180		-6
				Audio Conferences& Teleconferencing and videoconferencing	
5	10	95	190	Electronic mail	-7
17.5	35	82.5	165	Voicemail	-8
12.5	25	87.5	175	Electronic data interchange Ù	-9
1	2	99	198	Intranet	-10

```
Õ
                                  (%80)
                                                      (%97.5)
               (%99)
 Õ
                                Ù
Õ Õ
                                                     Ù
                                           Ù
                                   .(12)
                                                  (13)
                                                         Ù
                                                               Ù
 Õ
                          Electronic Archive Systems
    Õ
                                                                        (% 80)
% 90)
                                                                             (
                                                            (% 10)
   Õ
(% 75) Õ
                                 Self Services Machines
 Õ
                     Electronic Commerce Payment System
                                                                   (% 42.5)
Õ
                  Voicemail
                                                   Electronic mail
                                                  (% 85)
                               (\% 42.5)
                       Electronic data interchange
                                                              Ù
                                                                (% 87.5)
   Õ Ù
       Õ
               ÙÕ
                                                               <sub>2</sub> (15)
                                                                        (9)
                                                Ù
 Ô
         Ô
                      Ô
                                                   Ø
                                                                         Ø
                                                            1
                                            Ù
    Õ
                                                            (10)
                                                                    Ù
       Ù
                                  (10)
                                         Ù
```

Õ (%99.5) (Password) (%99) Õ (Anti-virus Programs) Õ Õ Smartcard (%85)Ù (10)Ù Ù Ù (200 =Ø (%) (%) 2 99 198 Password 30 170 15 85 **Smart Card** -2 5 2.5 97.5 195 -3 Plastic ID Card 10 190 5 95 Biometric ( Ù ) -4 55 45 90 110 Communication Control Systems Ù -5 25 50 75 150 -6 Data Control Systems 0.5 99.5 199 1 -7 **Antivirus Programs** 30 60 70 140 -8 Encryption 3 98.5 1.5 197 Fire Wall -9 Õ Õ Õ Õ Õ (%75) $\tilde{\mathbb{Q}}$  $\widetilde{\mathbb{Q}}$  $\widetilde{\mathbb{Q}}$ Õ Õ (Data Control Systems ) (% 70) (Communication Control Systems) Õ Õ Õ Õ (Encryption) Õ (Firewalls) (%98.5)Õ policies

```
Õ
          Õ
                                     (\%97.5)
                                                                   (Plastic ID Card)
                             Õ
                     Õ
(Plastic ID Card)
                                          (Firewalls)
            Õ
                      Antivirus Programs
Õ
     Õ
                                                                Smart Card
 Õ
                Õ
        Õ
                        Õ
                                  Õ
        Õ
  Õ
 Õ
    Biometrics
Õ
                               (\%95)
                                        (10)
Õ
          Õ
                            Õ
     Õ
                 Õ
                       Õ
                                                                         Biometrics
Õ
     Õ
        Õ
                     Õ
     ¸Õ
              Õ
                                                                 (11)
                                     (11)
      (200 =
 (%)
                (%)
  15
         30
                85
                        170
                              Transaction Processing System
                                                                                -1
         20
                              Management Information System
  10
                90
                        180
                                                                                -2
  55
        110
                45
                        90
                              Executive Support System
                                                                                -3
                              Decision Support System
                        70
  65
        130
                35
                                                                                -4
  95
        190
                 5
                        10
                              Expert System
                                                                                -5
        120
                              Knowledge work System
  60
                40
                        80
                                                                         Ù
                                                                                -6
                              Office Automation System
                        190
  5
         10
                95
```

```
(Õ)Õ
 Õ
                     Õ
                             Õ
                                  Õ
                                                 (% 95)
                  Ù
Õ
      Ù
                      Ù
                                                      Office Automation System
 ÙÕ
                        Paperless Office
                                                   Ù
Õ
                       Integrated software
                                                          Redesign of work flow
                        Ù
   Õ
                                                          calendars
 Õ
        ÙÕ
              Õ
                      Õ
                           Õ
                                Õ
                                     Õ
                                           Õ (% 80)
                                                         Õ
    Õ
                                                        knowledge work systems
           Ù
(Õ
             Õ
                   Õ
                                                (% 85)
Õ
      ÙÕ
                               Ù
                                                   transaction processing systems
                         Õ
                                Õ
                                       Õ
                                                 Õ
                                                    Õ
Õ
          Õ
                   Õ
      ÙÕ
               Õ
   Õ
   Õ
           Õ
                            Ù
                                           Ù
                                                (% 35)
Decision-support
     Õ
 Õ
                                                                        systems
                   Ù
                         Ù
ÙÕ
                                                                            Ù
  \tilde{\mathsf{O}} , \tilde{\mathsf{O}}
                                                      Ù
                            Ù
                                 Ù
                                                               Ù
                                         Decision-support systems
Õ
         Õ
                 Õ
                        Õ
                             Õ
                                  Õ
                                       Õ
                                             Õ (% 90)
        Õ
 Õ
                                                management information systems
Õ
Executive
             Õ
                     ÕÕ
                                                (% 45)
Õ
                                                                 support systems
                      Õ
  Õ
         Õ
```

```
(% 5)
     Expert System
   Õ
                      Ù
         Ù
             Ù
                            Ù
Õ
 Õ
 Õ
                                        Ù
                                                                   Ù
    Õ
             Õ
             Ù
     Õ
         Õ
                                    Ù
                                                     , Ù Ù
 Õ
                Õ
                                               Ú
Õ
                                                 Ù
             Ù
                     Ù
                                       Ù
                                                    Ù
Õ
                                            Ù
                Ù
                   (15)
                          Ù
                                (14)
                                       Ù
                                             (13)
                                                    Ù
                                                         Ù
Õ
                                                 Ù
                Ù
(13) Õ
             Ù
       Ù
                                                       Ù
                                                           (14)
                                                                 Ù
 Õ
                (11)
                       (9)
                                   Ù
       Õ
              Õ Õ
  Õ
                                                               ( 2001 )
                                  .Kumar and Plavia ( 2001)
 Õ
                                                       (12) Ù
ÙÕ
                                                     (%65.5)
      Õ
              Õ
Õ (2.59)
                   Ù
Carneiro (2000);Reid (1998); Õ Õ Õ ÙÕ
                                                          Grirves (1998)
```

	(200	= )			Ù	J	(12	2) Ù	
		(%)	(%)	(%)					
1.21	2.59	19.2	15.3	65.5	Õ	Õ	Ù		.1
1.05	3.40	55	30.3	15.7	Õ				.2
	5.10			20.7	U				.2
1.11	3.30	44.1	35.7	20.2	Õ				.3
0.92	3.00	25.1	29.5	45.4					.4
0.90	3.98	84.3	10.5	5.2	Õ				.5
1.04	3.40	60.3	30.5	9.2				•	.6
									.0
	3.28								
Õ	Õ	Õ	Õ						
Õ	Õ	O	O				(% 55 )		
-				<u>.</u>	<b>S</b>		(**************************************		.(3.40
Õ	Õ							(%44.1)	
Õ	Õ	Õ	Õ			5			
									(3.30)
Õ	Õ Õ	Õ						( % 25.1 )	
							(3.00)		
Õ								(%84.3)	
¸Õ				(	% 5.2	)	5		
Õ	• (4)	200	1 '11 0	<b>.</b>	2001)		(4000)	(4004)	
.Harr	1son (19	992); A	shill &	Jobber (	2001)		¸(1996) Ù ¸	(1991)	
Õ	Õ							(12) Ù	
(%60.	.3)					(% 1	5.7)		
Winte	erman	(1996)	ÙÕ	, (1993	)			5	

(3.40) (1998); Ashill & Lobber (2001); Ù Õ Õ Ù Õ (3.26) .1 Ù Õ Ù (13) Ù Ù (200 =(13) (%) (%) (%) 2.4 15.1 75.3 1.00 9.6 Õ Ù .7 0.95 2.25 8.4 15.4 76.2 .8 Ù 0.86 3.88 75.1 15.3 9.6 ÙÕ Õ .9 .29 89.1 3.6 0.85 4.1 7.3 0.85 4.3 15.7 9.2 75.1 Ø 5 0.70 4.31 92 3 0.75 4.00 80.7 15.2 4.1 Ø 20.5 0.85 3.98 70.2 9.3 Ø 4.25 0.96 75.5 15.1 9.4 0.80 85.1 10.4 4.55 4.5 4.4 76.1 10.0 13.9 0.60 4.2 0.71 80.2 15.1 4.7 3.89

```
(%75.3)
                Ù
                                                             (%9.6)
       . Winterman (1998); Sherwood – smith & Remenyi (1999)_ (1990)
                                                                 (%76.2)
 Õ
 Õ
                                                                (%75.1)
 Õ
                    ( % 9.6)
                                                                         Ù
                                                                             Ù
    Õ
                                                  (3.88)
Õ
         Õ
                                                                  Ù
                                                                       Ù
                                . (1996) Ù
                                                                     , Godman (1993)
                                           (% 89.1)
                                                               (13)
                                                                        Ù
   Õ
                                                         (% 3.6)
                    \tilde{\mathsf{O}} \quad \tilde{\mathsf{O}} \quad \tilde{\mathsf{O}}
(2000)
                                      ÕÕ
              Õ
                                                Õ
                                                 .Sherwood – smith & Remenyi (1999)
 Õ
                                                               (%75.1)
                                                                              ã
                                                     Ù
 Õ
       Õ
 Õ
                            Ù
               Õ
                                      (%9.2)
Õ
        Õ
       ÙÕ
   Õ
                                                 Ù
                    Ù
                                                Ù
                                                     Ù
                                                                                Ù
    .Sherwood – smith & Refmenyi (1999)
Õ
                                                 (% 92)
                                                             (13)
                                                                       Ù
       Õ (%3)
  Õ
 Õ
             Õ
                   Õ
ÙÕ
       Õ
            Õ
```

```
Ù
                                 Õ
Sherwood – smith & \tilde{O} \tilde{O}
                                                       .Refmenyi (1999)
       Õ
                                      (%80.7)
Õ
              Õ
                                                          Ù
                                                   (13)
                               Ù
  Õ
         Õ
                                            (% 4.1)
                                                          Ù
ÙÕ
            Ù
                                   Ù
                            .(2000)
                                                       (%70.2)
                                       (% 9.3)
                                                            Ù
                                                      Winterman (1998).
      Õ
 Õ
            Õ
Õ
        Õ
                                                              (% 75.5)
                          (\%9.4)
 Õ
                                                     Ù
 Õ
                                                        Ù
     Õ
             Õ
                                                          (1990)
                                                          Ù
                                            ( % 85.1)
      Õ Õ (%,
 Õ
Õ
      Õ Õ Õ
                                            Ù
                                                              . (2000)
Õ
      Õ
                                    (% 80.2)
                                                  (13)
                                                          Ù
                ÕÕ
Kumar & Õ
                                                          (% 4.7)
                                                         . Plavia ( 2001 )
 Õ
      Õ
        Õ
                                                  (%76.1)
                 (% 10)
         Ù
```

```
Õ Õ Õ
                   Ù
Sherwood & Õ Õ Õ
                                       Ù
                     .Winterman (1998) 1 (2000) Remenyi (1999)
Õ (3.5
                                           Ù
ÙÕÕ
            Õ
                Õ
                                  <u>,</u>1
                                      Ù
                                                       Ù
Õ
                                             Ù
 Õ
                  Ù
 Õ
                                    Ì
                                         Ù
                  .(3.89)
   (14) Ù
                                     Ù
Õ
         (% 55.1) Ù
Õ
   Õ
       . (2.55)
                                          (% 57.2)
                                   Ù
```

.(2.08)

	( 200 = )				Ù			(14)	Ù	
		(%)	(%)	(%)						
0.97	2.55	18.3	26.6	55.1	Õ	Õ				
								Ù		
0.75	2.08	12.5	30.3	57.2					Ù	
					Ù					
	2.32									
0.93	3.60	70.1	20.8	9.1					Ù	
					Õ		Ù	l		
	3.60									

Õ				(% 70.1) Ù
Õ	Ù	٥		
Õ	Õ (	( % 9.1 )		5
Õ				Ù (% 3.60)
Õ	Õ	Õ		
Õ	Õ	Õ		۵
Õ		Õ ¸ (2000)	Õ	Ashill & Jobber ( 2001) <sup>1</sup> ( 1995 ) Õ
				Ù ,1 Ù
Õ	Õ	Õ		
			Ù	
	5			Ù
		•		:
Õ				(15) Ù

Õ	Õ							(% 7	4.6)		
Õ Ĉ			( % 15.1	) .							
õ	Ù							(0		<b>.</b>	
Õ					(0.7)	٥.			677.1	.)	
Õ (100	.0)				(9.7)	U		Ù	/0/ 1	221	
.(199		Õ		د				/0/ <i>7</i> /		3.2)	
Õ	Õ	Õ		(	%7.9)		ĴÙ	(% 72	2.1)		
	•			(	(%8			15)	Ù		
Õ				(%	64.6)	3.4)	(	13)	U		
O		5	(	(3.5)	7.0)			Ù			
			• •	(3.5)				J			
( 200	) = )			Ù				(15)	Ù		
0.60	4.45	(%) 74.6	(%)	(%)	~						20
0.00	4.43	74.0	20.3	13.1	Õ	)					.30
0.71	4.40	77.1	13.2	9.7	Õ	Õ	Õ				.31
								Ù.		Ù	
0.82	4.10	72.1	20	7.9	Õ						.32
0.80	4.34	85.2	10.2	4.6	Õ						.Ù
3.00		30.2	10.2		O						
0.61	4.45	90.7	10	4.3	Õ						.34
									Ù	Ù	
0.63	4.47	87.3	8.7	4	Õ						.35
1.15	2.20	25.9	4	70.1			•				.36
											.50
0.84	4.10	81.1	15.7	3.2	Õ		Õ	Õ	Õ		.37
					Õ						
	4.06							•			
	7.00										

```
ÙÕ
            Ù
Õ
           .(1990)
                                             (% 90.7)
Õ
                    (% 4.3)
                                Ù
Õ
                                    Ù
Õ
   Õ
                                               (% 10),
ĴÙÕ
       Õ
 Õ
       Õ
                           ÙÙ
           Õ
                  Ù
                                  Ù
  Õ
       Õ
               Ù
                                 (3.5)
                                                       .(1995)
           Õ
       Õ
                                 (%25.9)
                                          (15)
  Õ
             Õ
                                                Ù
  Õ
       Õ
           (%4) Õ ¸Õ
                                 (2.20)
                                                       (%70.1)
   ÕÕ
                                              (%81.1)
Õ Õ Õ
             (4.10)
                                             ( % 3.2 )
 Õ
              Õ
       Õ
    Õ Õ
Õ
                               ¸(1996)Ù
                                             Ù
             . Goodman (1993)
                                                         Ù
Õ
                                                (4.06)
         Ù
Õ
     Õ
         Ù
                                 Ù
                             1 و
 Ô
Õ
    Õ
                                              (16)
                                                    Ù
                                             Ù
```

(16) Ù

( 200	= )										Ù	
		(%)	(%)	(%)								
								Ø				
0.85	4.28	80.1	15.2	4.7	Õ	Õ		Õ	ÙÕ			.23
									Ù			
0.87	1.60	8.1	16.6	75.2	Õ	Õ	Õ		Õ			.24
0.74	1.50	5.2	9.8	85	•							.25
0.89	1.52	4.7	15.1	80.2								.26
	2.225											
1.43	2.99	55.1	30.3	14.6	Õ	Õ						.27
									ı	Ù		Ù
1.01	3.95	91.2	6.1	2.7	Õ	Õ		Õ				.28
	3.47											

Õ (%80.1) Õ Õ Õ ÙÕ (% 4.7) Ù Ù (42.8)ÕÕ (% 85) Õ (% 75.2) (% 5.2)  $\tilde{\mathsf{O}}$  ,  $\tilde{\mathsf{O}}$ (% 8.1) Õ Õ Õ Õ (2.225) Ù Ù Ù .1 Ù (16) Õ Ù Õ Õ Õ Õ Õ Õ Ù (%55.1)

```
Õ Õ
        Ù
                            Ù
Õ
               (% 30.3)
                                                       (% 14.6)
(% 1.4)
Õ Ù
        Õ
                                                 (2.95)
Õ
                                                       (%91.2)
, Õ
                              (% 2.7)
      Õ
Ù
                                                          ¸ (1996) Ù
                         (3.98)
                                .(1.01)
 Õ
       Õ
                                                                     Ù
            .(3.47)
Õ
                                                         Ø
                                                             Ù
                     Ù
                  \tilde{\mathsf{O}} \tilde{\mathsf{O}} , \tilde{\mathsf{O}}
           Õ
                                       Õ
                                             Õ
                                                   Õ
ÙÕ
      ÙÕ
                                   Õ
                                             Ù
Õ
                                                        ( Factor Analysis )
      Õ
                                             Ù
                          ĴÙ
      Ù
                                                                     Ù
     Õ
                                      Ù
                                              Ù
                                                            Ù
                          Ù
Õ
                                             Ù
Õ
    ¸Õ
                Õ
                                                   Ù
                                                        (0.40) Ù Ù
      .(1999)
                        (1999)
                                        Ù
                                            Ù
                                                  Ù
             Ù
                             Ù
                                               Ù
                                            ) Ù
                                                          Ù
 Õ
   Õ
                               (
                                     34
                                          ( % 54.622 ) (Total Variance )
    Ù
   Ù
Õ
    ÙÙ
                                   Ù
                                           ÙÙ
                           <sub>(17)</sub>
                   Ù
                                            Ù
```

¸Õ	Õ Õ	) – Ù	Ù	Ù	ÙÙ
	Ù	ÙÙ	¸ÙÙ	ه	
<b>( 2</b> 00				Či Či	(15)
( 200	) = )		ľ	ÙÙ	(17) Ù
		(%)			Ø
		Ø Ø			
		19.441			
		10.020			
		6.955			
		6.733			
		6.223			
		5.250			
	%100	54.622			

:Ø Ø Ù ÕÙ Ù Ù (0.40)Ù Õ Ù Ù Ù Ù Ù (0.797) Ù Ù , (0.40) Õ (0.829)(0.577)ĴÙ Ù (%19.441) Õ Ù .Ù Ù (18) Ù ÙÙ (3 2) Õ (18) Ù Õ Õ Õ Õ Õ Õ  $\tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}} \qquad \tilde{\mathsf{O}}$ Õ Õ Õ Ù Ù

( 200	) = )	Ù	Ù Ù	Ù	(1	8) Ù	
Ø	%19.441 =	Ø				0.797 =	Ø
Ø							
0.090					Ù		.1
0.829							.2
0.810							.3
0.650							.4
0.577							.5
0.589							.6

: Ø

Õ Ù Ù Ù ÕÙ Ù ÕÙ Ù (0.773) (0.473) ÕÕÕ-Õ Ù Õ (%10.020) Ù Õ (19) Ù (0.80) Ù Ù (8 7)

(29) (9) (4) (3) Ù
. Ù

Õ ¸Ù Ù

.

(19) Ù

( 200= ) Ü Ü Ü

Ø	% 10.020 =	Ø			0.800 =	Q	Ø
Ø							
0.730						Ù	.7
0.684							.8
0.473				Ù		Ù	.9
			:				.29
0.599							-
0.530				Ù			_
0.773							-
0.760					Ù		-
0.499					Ù		-
0.570							-
0.490							-
0.600							-
0.775							-

: Ø Õ Õ Ù Õ (0.615) (0.450) Ù Ù (0.40) (% 6.955) Õ Ù Ù Õ Õ (0.696) Ù Õ Ù Õ Ú Ù (20) (20) Ù

200 = )				Ù	Ù	Ù	
Ø	% 6.955 =	Ø				0.696 =	Ø
Ø							
0.510	ÙÕÕ						.10
0.450						Ù	.21
							Ù
0.615	Õ					Ù	.22
					Ù		
	Ø Ø 0.510 0.450	Ø % 6.955 = Ø 0.510 Ù Õ Õ  0.450  0.615 Õ	Ø % 6.955 = Ø  0.510 Ù Õ Õ  0.450  0.615 Õ	Ø % 6.955 = Ø  0.510 Ù Õ Õ  0.450  0.615 Õ	Ø % 6.955 = Ø  0.510 Ù Õ Õ  0.450  0.615 Õ	Ø % 6.955 = Ø  0.510 Ù Õ Õ  0.450  0.615 Õ	Ø % 6.955 = Ø 0.696 =  0.510 Ù Õ Õ  0.450 Ù  0.615 Õ

Ĺ (22 10) Õ Ù Õ Ù ÙÙ Õ Õ Ù Ù Ù Ù Ù Ù Ø Ù Ù Ù Õ Ù 。(0.40) Ù ÙÕ (0.706) Ù Ù (0.767) (0.420) Õ Ù Ĺ Ù (0.40)(21) Ù (%6.733) Ù

Ù.

Ù

(200 = )			U U	U	(21)	U
Ø	%6.733 =	Ø			0.706 =	Ø
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0.525						.11
0.660					Ù	.12
0.620						.13
0.590						.14
0.520						.15
0.495						.16
0.002						.17
0.767						.18
0.515		Ù				.19
0.420						.20

Õ ¸ Ù Ü (18 ¸14 ¸ 13 ¸ 12 ) ¸ Õ Õ Ü

Ø Ù Ù Ù Ù Ù Ù Ù. Ù (0.593) Õ Õ Õ (0.750) (0.445) Ù Ù , Õ Õ (%6.223) Ù Ù

, ÙÕ Õ ÙÕ Ù (24) (22) Ù

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( 200 = )			Ù	Ù	Ù	(22)	Ù
Ø	6.223 =	Ø				0.593 =	Ø
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0.445	. Ù				Ù		.23
0.750							.24
0.660							.25
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0.581	Ù	Ù	٥				.27
0.525							.28
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Ø Õ Ù Ù Ù Õ Ù (0.40) Ù Õ Ù Ù Õ Õ Õ Õ,ÙÕ ÕÕ Ù Ù (0.757) Õ Õ (0.780) (0.410) Ù , Õ Õ (5.250) Ù (0.40) Ù .Ù (23) Ù

(23) ÙÙ Ù (200 = )Ù **0.757** = **Ô %**5.250 = Ø Ø Ø 0.650 .30 0.701 Ù .31 Ù. 0.710 Ù. .32 0.659 .33 0.780 Ù Ù .34 0.685 .35 0.410 .36 0.325 .37

 $\tilde{O}$   $\tilde{U}\tilde{O}$   $(34\ ,32\ ,31\ )$   $\tilde{U}$   $\tilde{U}$   $\tilde{O}$   $\tilde{U}$   $\tilde{O}$   $\tilde{U}$   $\tilde{O}$   $\tilde{U}$ 

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(% 75) Õ
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                Electronic Commerce Payment System
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                      Electronic Commerce Payment System
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	Executive Support System		-3
	Decision Support System		-4
	Expert System		-5
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	Office Automation System		-7
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Data Base Management System	-9
E-Payment	-10

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	Internet	-1
	Electronic Archive Systems	-2
	Self Services Machines	-3
	Electronic Commerce Payment Sys	tem-4
	Extra	net-5
	Teleconferencing and videoconferencing	-6
	Electronic mail	-7
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	Voicemail	-9
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## **ABSTRCT**

## The role of management information systems In improving the process of decision- making In Greater Amman Municipality

The objective of this study is to determine the role of management information systems in improving the process of decision- making in Greater Amman Municipality and its correlation with information and the types of management information systems used in Greater Amman Municipality.

The computer based information systems represent the independent factor which includes information technology, and the users of this technology.

Whereas the decision effectiveness represents the dependent factor which includes Decision quality, the time of making and implementing decision, the facility of decision implementation.

The main factors affecting the effectiveness of top management Decisions are :( ranked decently according to their importance)

-Time, Information, Computer based information systems, Decision making mechanism, Information security and control, Information technology.

<u>Keywords</u>: management information systems, information, information technology, decision effectiveness, Information security and control.

