



أطروحة دكتوراة

بمعنوان

دور نظم المعلومات المحاسبية في بيئة إستخدام تقنيات المعلومات
دراسة حالة في مؤسسات المال العام الأردنية

مقدمة من الطالب:

مراد خالد مصلح ردايده

بإشراف:

الدكتور: عبدالرزاق محمد قاسم

المشرف الخارجي المشارك

الدكتور معاذ فوزي شبيطه

أعضاء لجنة المناقشة

التوقيع

د. عطا الله خليل - جامعة دمشق

عضواً

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د. عبدالرزاق شحادة - جامعة حلب

عضواً

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د. عبدالرزاق قاسم - جامعة دمشق

عضواً ومشرفاً

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د. ميشيل سويدان - جامعة اليرموك / الأردن

عضواً

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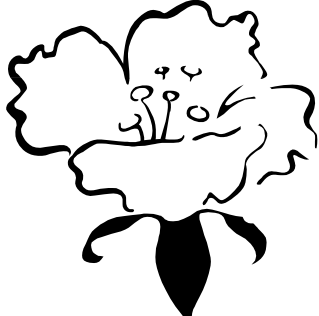
د. عدنان غانم - جامعة دمشق

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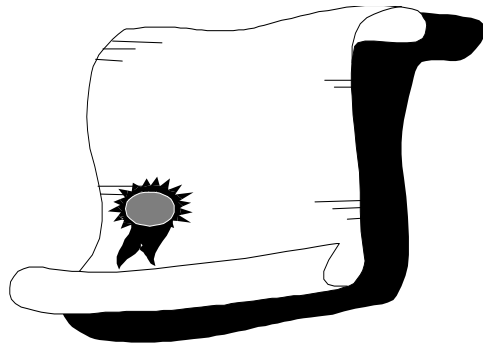
قدمت هذه الأطروحة إستكمالاً لمتطلبات الحصول على درجة الدكتوراة في المحاسبة في كلية
الإقتصاد في جامعة دمشق.

نوقشت وأوصي بإجازتها يوم الخميس بتاريخ ٢٠١٠/٠١/٢١



إلى روح والدتي الطاهرة رحمها الله،
إلى والدي العزيز بارك الله في عمره،
إلى زوجتي العزيزة حفظها الله،
إلى بناتي سري وحلا ونور وراية حماهم الله،
إلى جميع أفراد عائلتي وفقهم الله،
إلى كل من كان لي عوناً جزاهم الله كل الخير،
إلى كل من رافقني في رحلة البحث بفضل الله.

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(¹) Murphy, L. & Smith, L & others (1991), Readings and Problems in Accounting Information Systems, Boston: R.D.Irwin, p. 1.

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(Research Objectives) : _____

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(Research Importance) :

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(The Dependent Variables) :

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(Review of Related Literature) :

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(1) (Lim) -

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(1)(Knapp) -

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(1)(Adamkiewicz) -

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(1) (Elliott) -

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(2) (Pathak) -

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(Windows)

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(Research Plan) : -

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() كمال الدين مصطفى (٢٠٠٧)، نظم المعلومات المحاسبية في ظل تقنيات المعلومات، الإسكندرية: المكتب الجامعي الحديث، ص ٩

(2) " () "

(Data Mining) : _____ : ()

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:(Creating Knowledge) -

:(Discovering and Codifying Knowledge) -

(Artificial Intelligence Systems)

Decision Support)

(Systems- DSS

:(Sharing Knowledge) -

:(Distributing Knowledge) -

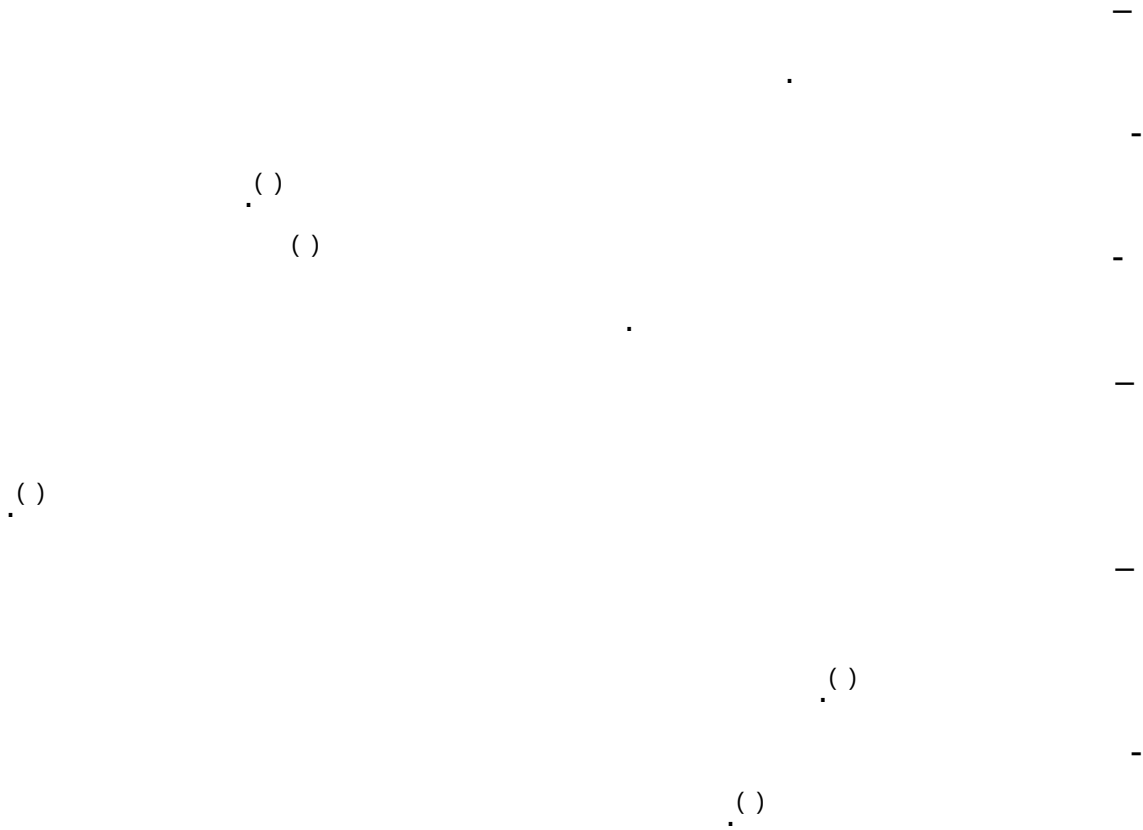
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(Administrative Levels Needs) : (-)

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:(Strategic Level) :

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:(Management Level) :

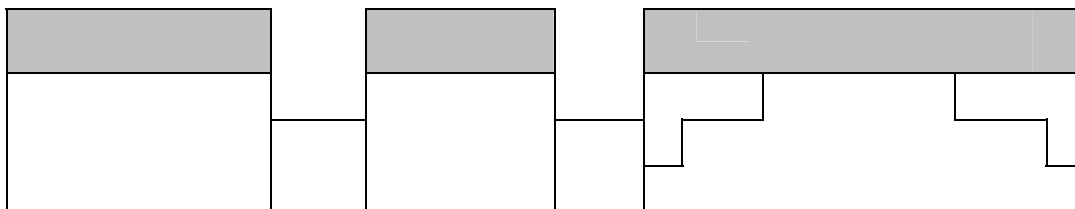
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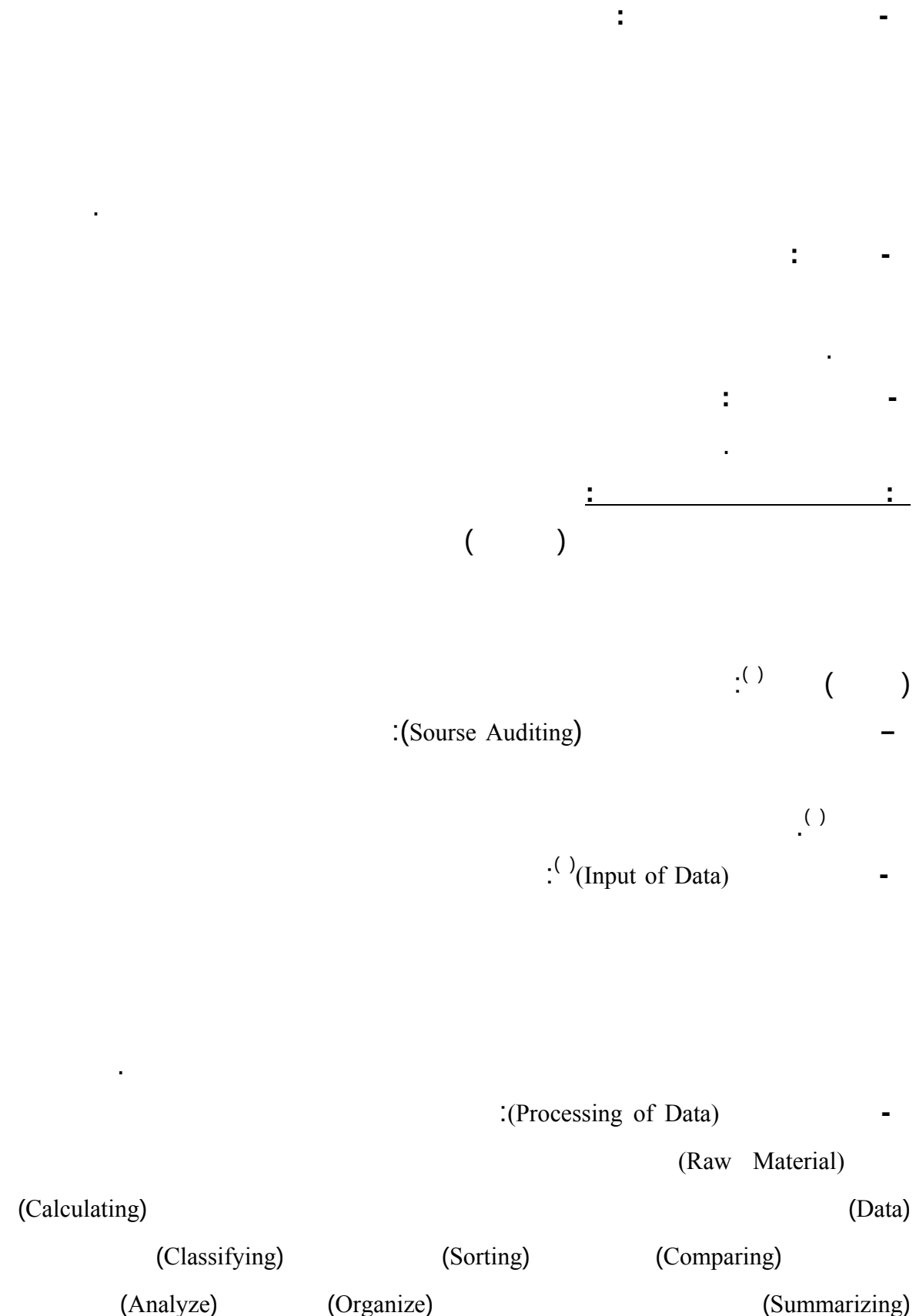
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(Systems Relations) : (-)

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(Information)

(Manipulate)

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:(Output of Information Products)

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:(Storage of Data Resources)

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:(Feedback)

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(Control of System Performance)

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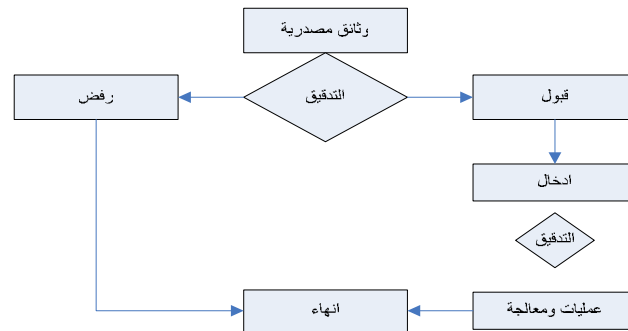
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⋮ () ⋮ : (Transaction Processing Systems)(TPS)

(Data Entry)

(Batch Processing)

(Transaction Processing)

Real-)

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(٢) Morgan, Malcolm J., (1987), "Management and Information", *The Management Accountant*, Vol.22, No.7, pp. 489-492.

Database) (Time Processing
 Document) (Maintenance
 . () (and Report Generation

(Knowledge Work Systems)(KWS) :

Technical Staff and) (Professionals
 (Calendars)
 Office Automation) ()
 (Systems

(Redesign of Work Flow) (Paperless Office)
 . () (Ergonomic Design) (Integrated Software)

(Management Information Systems)(MIS) :

(Middle Managers)
 (Annual Budgeting)

Structured and Semi-Structured)
 (Report Control Orientation) (Decisions
 (Internal Orientation) (Past and Present Data)
 . (Lengthy Design Process)

(Excusive Support Systems)(ESS) :

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(Incorporate)

.(DSS)

(MIS)

(Decision Support Systems)(DSS) :

Supporting)

() (Decision Making

(Technologies that Support Decision Making)

Dialog)

(DSS)

(Model Component)

(Data Component)

(Component

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:(Planning) : -

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:(Co-ordination) : -

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(Information Product) : _____ : ()

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- (1) koontz, h., (1997), "Principles of Management", newyork, mcgraw-hill co., pp. 643-647.
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(¹) Assad, Michael G. and Neil M. Duffy,(1990), *Information Management: An Executive Approach*, 3ed edition, Cape Town: Oxford University Press, p. 208.

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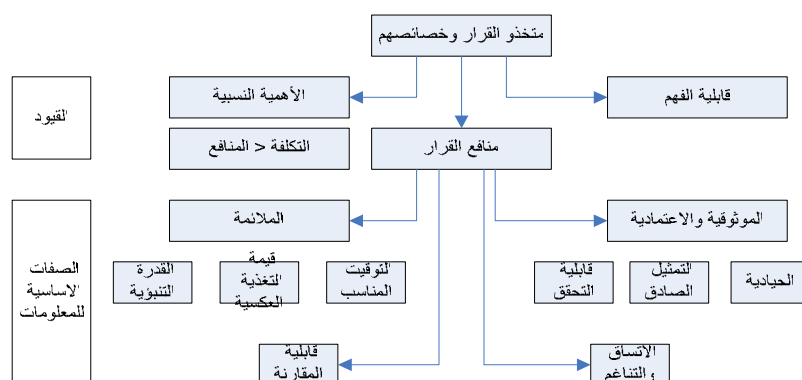
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:(Faithfull Representation)

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:(^(١)) (Understandability) _____ :

:(^(٢)) (Relevance) _____ :

(Predictive Value)

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(Timeliness)

:(Reliability) _____ :

(Objectivity)

(Representational)

(Neutrality)

(Verifiability)

(Accuracy)

(Validity)

(Completeness)

:(Comparability) _____ :

:(^(٣)) (Consistency)

(١) لجنة معايير المحاسبة الدولية، معايير المحاسبة الدولية، ترجمة سابا وشركاهم، دبي: شركة سابا وشركاهم، ١٩٩٧م، ص ص ٤٠-٤٧.

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(1) Fawcett, Phil (1999), *Managing Information*, CIB Publishing, United Kingdom, p 56.

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(1) Stoemer, Christopher, (2003), "The Software Architecture Comparison Analysis Method". Felix Bachman and Chris Verhoef Carnegie Mellon, PA. USA.

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(Information Saving) : ()

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(Data Warehouse) : (-)

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(Υ) Marakas, George M. (2003), *Decision Support Systems in the 21st Century*, Prentice Hall, New Jersey, P381-393.

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:() (Capturing) :

:() (Processing) :

(Verifying)

(Summarizing)

(Arranging)

(Classifying)

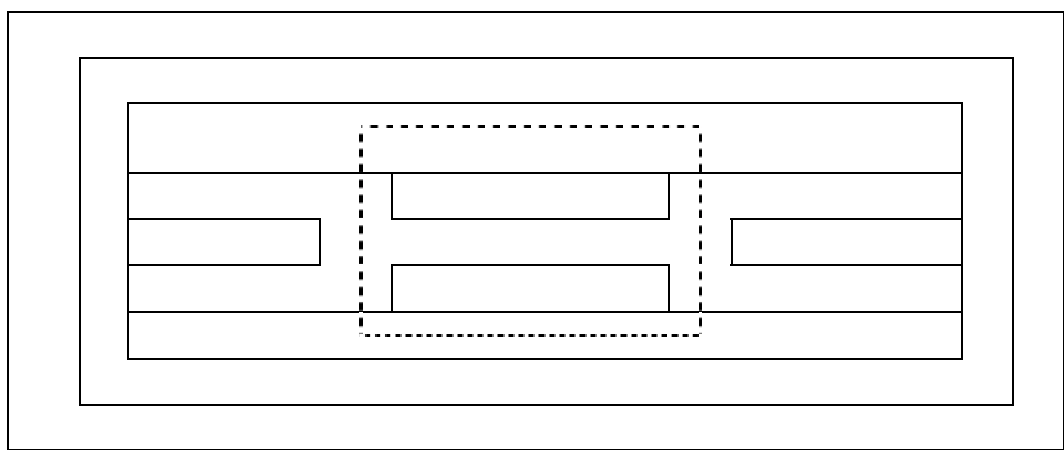
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(Storing)

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(Management Supply Chain)

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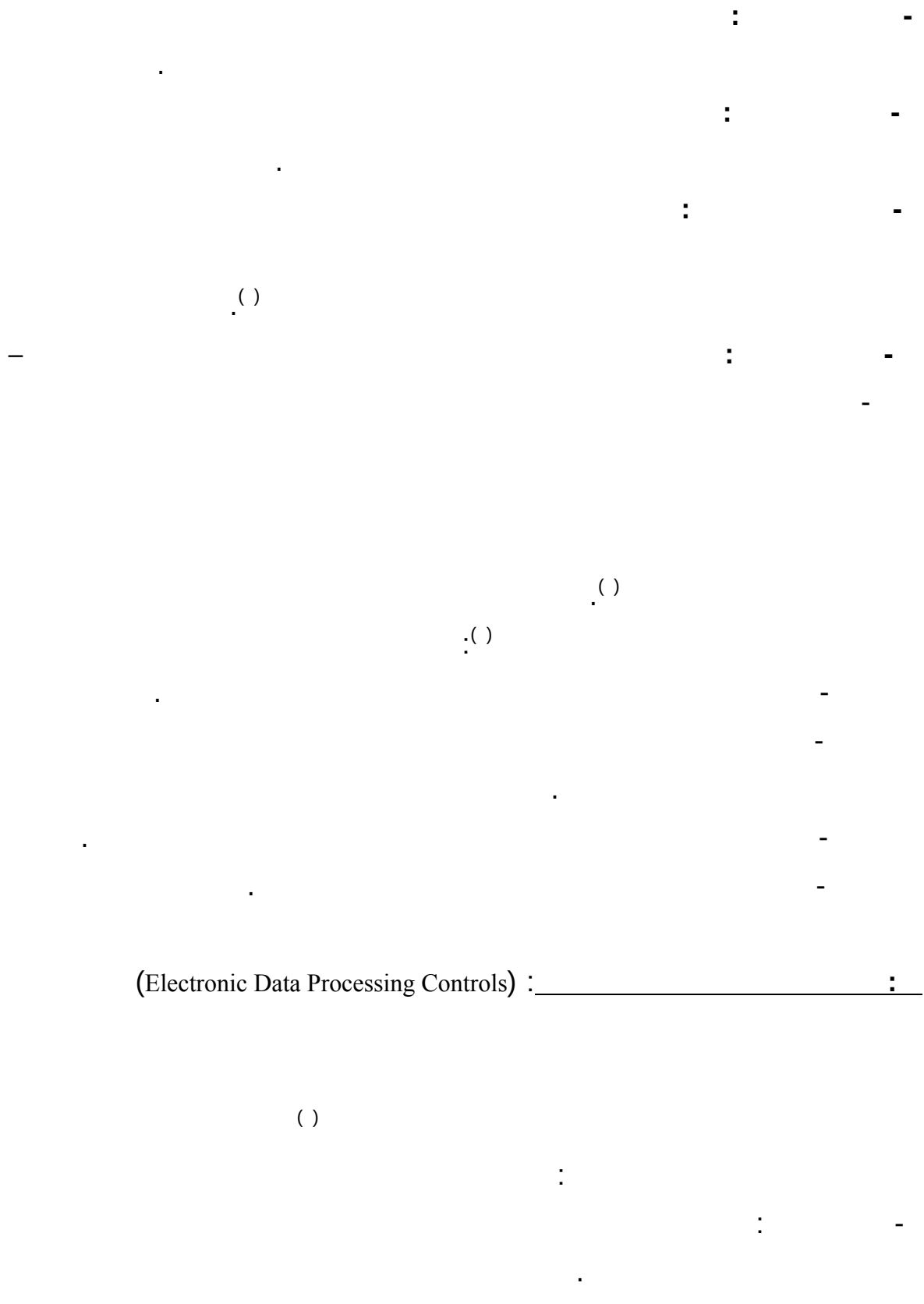
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(Electronic Data Processing Controls) : _____ :

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(Outputs Controls) : _____ :

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(For Planning and Development) : _____

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(The Control on Saving and Archiving) : _____ : ()

Information Systems)

(Organization)

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(The Technologys) : () -

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(Hardware Resources) : -

(Tangible Objects)

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(Software Resources) : -

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(Operation Manual) : -

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(٥) الخطيب، صبحي محمود والعتر، عمرو عباس، مقدمة في نظم المعلومات المحاسبية، مرجع سابق، ص ص ٢٩٧-٣٢٩.

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() : (People Resources) : ()
(Manpower)

(Information Systems Specialists)

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(End Users)

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(٢) Corbit, Terry, (1996), "Information Security", *Journal of Accountancy*, Vol.171, April pp96-99.

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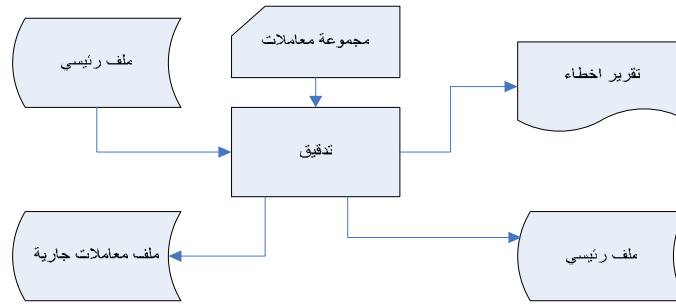
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(¹) Corbit, Terry, (1996), "Information Security", *Journal of Accountancy*, Vol.171, April pp9-16.

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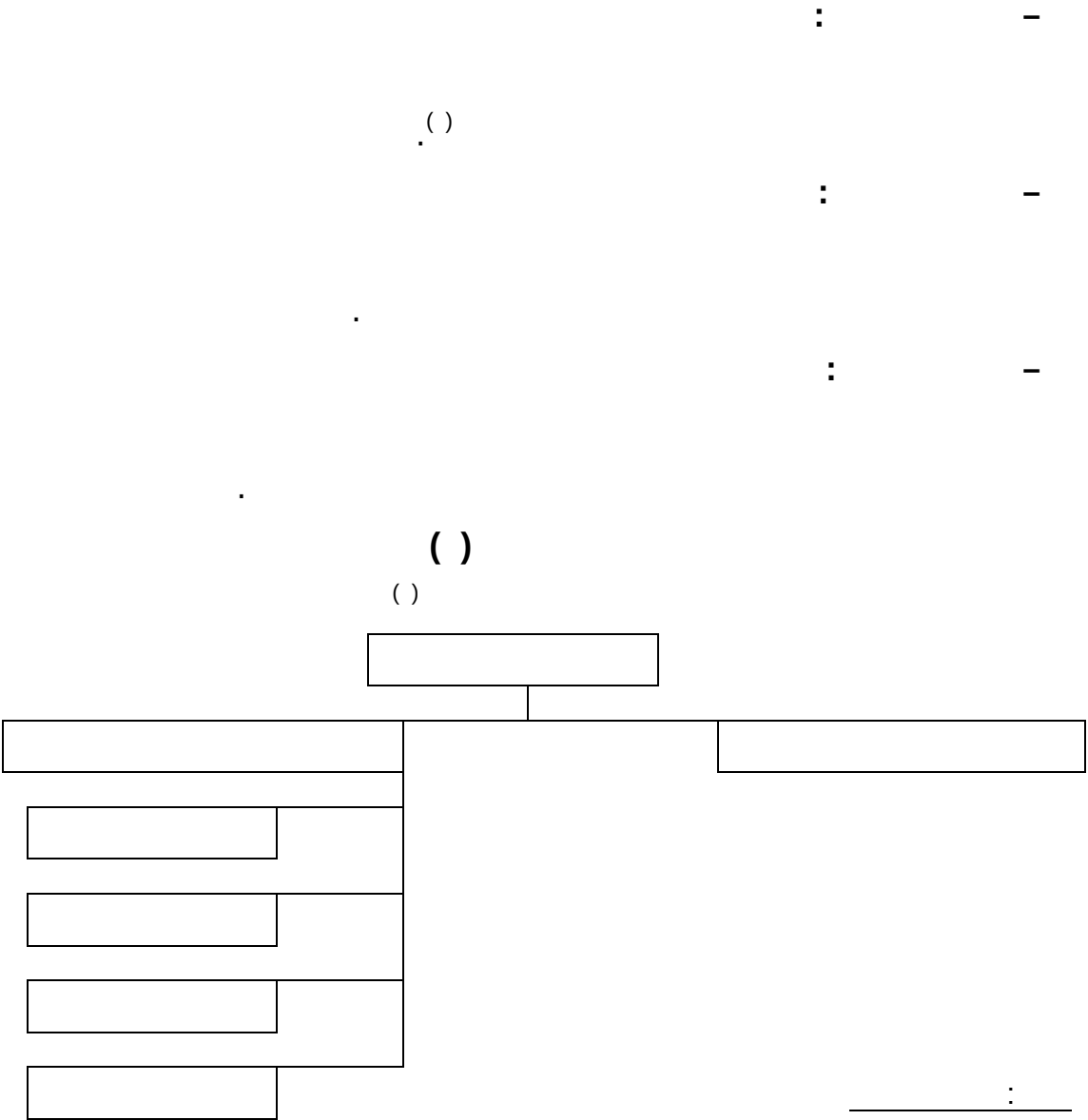
: " () (1)

(2) Hoque, Z.& James W.(1998) "Associating Balanced Scorecard Performance with Size and Market Factors",American Accounting Association, <http://accounting.rutgers.edu/raw>

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(Inputs)

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(Balance Scored Card-BSc)

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(1) Figg, J, (2000), “ Balanced Scorecard Receive High Marks”, *Internal Auditor*, April ,vol.57, Issue 2, pp16

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- Managing for Results, 1997, 2000 .Reports onGOA,

- .(Attributable) -
- .(Well-Defined) -
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- .(Verifiable) (Reliable) -
- .(Avoid Perverse Incentves) -
- .(Comparable) -

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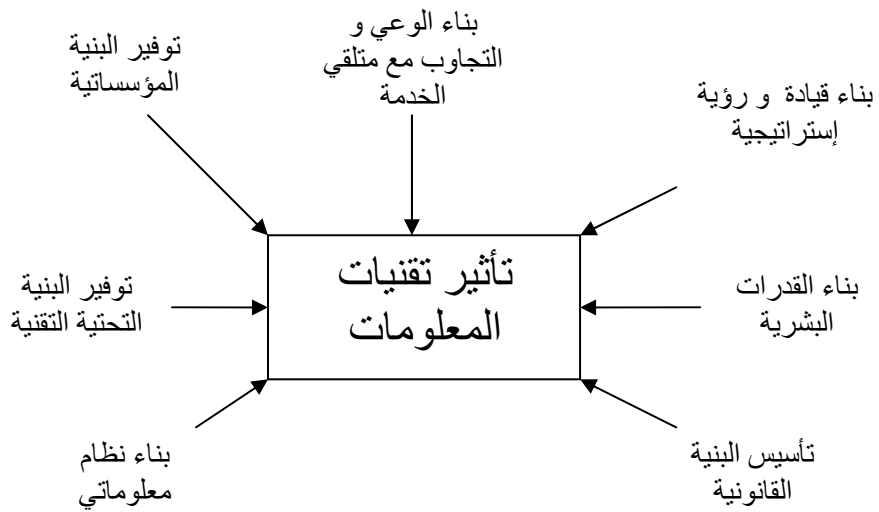
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(^١) Marakas, George M. (2003), *Decision Support Systems in the 21st Century*, Prentice Hall, NewJersey, P424-438.

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(^٤) International Federation of Accounting, (1995), *Technical Pronouncements*, NewYork,p15.

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(¹) International Federation of Accounting, (1995), Technical Pronouncements , NewYork, p5.

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(㉓) Romney, Marshall B. & Paul John. Steinbart (2003), Accounting Information Systems, 9th ed., Upper Saddle River: Prentice-Hall, pp. 78-95

(㉔) Helms, Glenn & Tane Mancino,(1998), Electronic Auditor, Journal of Accountancy, On-line Issues, New York, Apr.

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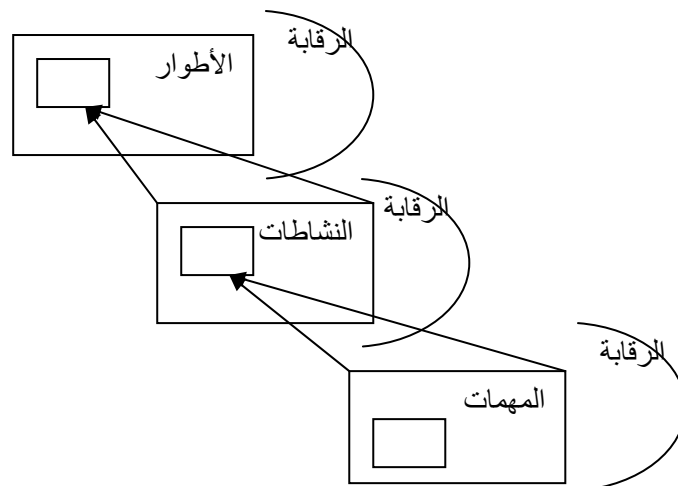
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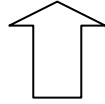
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(Lagging Indicators)

(Leading Indicators) ()

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(On Line System)

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(Productivity) : :

:(Efficiency)

(Quality)

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$\frac{\text{إجمالي إنتاجية النشاط بالقيمة}}{\text{عدد الموظفين القائمين بالنشاط}}$

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$\frac{\text{قيمة الإنتاجية للنشاط}}{\text{تكلفة الاجور الخاصة بالنشاط}}$

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قيمة الإنتاجية للنشاط تكلفة العناصر المستخدمة في النشاط	=	-
إجمالي إنتاجية النشاط بالوحدات/بالقيمة ساعات تشغيل الأصول الثابتة اللازمة للنشاط	= ()	-
الفائض السنوي المحقق متوسط الأصول	=	: :
تكلفة المواد واللوازم الخارجة متوسط المخزون	=	-

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(1) General Accounting Office.(1997), *Managing for Results: Analytic Challenges in Measuring Performance*, Washington D.C., May, p.5.

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(BSc)

() Cause Effect) (

(Relationship)
(Benchmarking)

(Internal Operations) ()

، كما ينعكس ذلك على بُعد الابتكار والنمو

(الابداع) (Innovation and Learning) الذي

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(1) درويش، محمد (٢٠٠٠)، "دراسة تحليلية للمخاطر المرتبطة باستخدام الانترنت"، المجلة العلمية للاقتصاد والتجارة العدد ٢٨٢، ص ٢٨٢.

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(2) Mosecove, Simkin, & Bagranoff., (2003), "Core Concepts of Accounting Information Systems",
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(Service Efforts Measures)

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(Inputs Measures)

(1) الرويتع، سعد بن صالح (٢٠٠٢)، "قياس الأداء في الوحدات الحكومية"، مجلة جامعة الملك عبدالعزيز: الاقتصاد والإدارة، المجلد ١٦، العدد ٢، ص ص ٦٥-١٠٢

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(Measures of Accomplishments)

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(Output Measures)

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(Outcome Measures)

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Measures That Relate Efforts to)

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(Accomplishments

(Efficiency Measures)

(Customers) : () (-)

(Customer Relationship Management-CRM)

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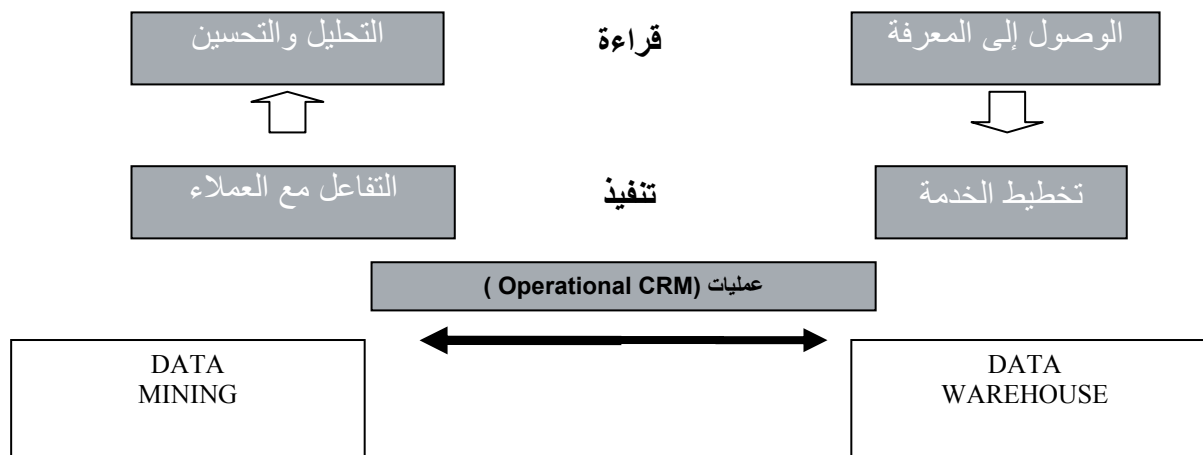


(1) المصدر:

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هيكل العمليات في إدارة العلاقة مع الجمهور



(Data Warwhouse)

(Data Mining) ()

(1) المصدر:

(٢) Marakas, George M. (2003), *Decision Support Systems in the 21st Century*, Prentice Hall, NewJersy, P323-337.

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:(Integration)

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:(Enlarging Scope of Management Thinking)

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(The Organizational Environment)

(Leverage Knowledge Globally)

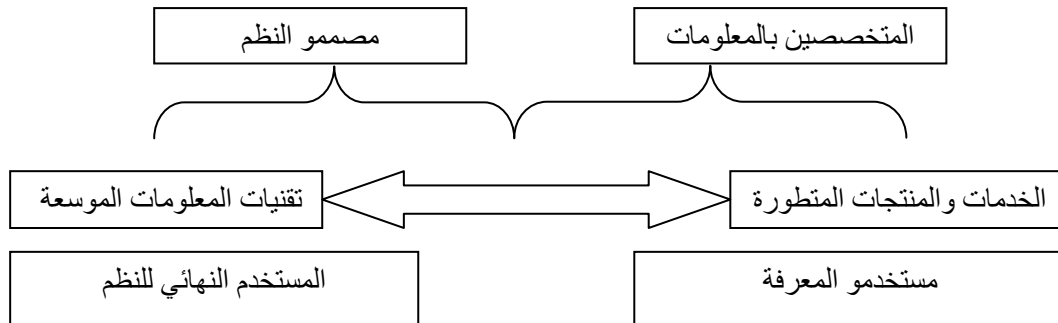
() (Organize for Complexity)

(Work Electronically)

(Handle Continuous and Discontinuous Change)

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(The External Business Environment) :

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(B2C) (Internet Economy) -

.(B2B)

(Global Marketplace) -

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(2) McNurlin, Barbara C.& Ralph H. Sprague,(2004), "Information Systems Management in Practice", sixth edition, Pearson Prentice Hall, P. 16

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(Business Ecosystems)	-
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(Decapitalization)	-
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(Faster Business Cycles)	-
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(Accountability and Transparency)	-
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(Internal Organizational Environment) :	:
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(From Supply-Push to Demand-Pull)	-
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(Self-Service)	-
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(Real-time Working)	-

(1) Enderson, Shannon W and William N, (2002), " Using Electronic Data Interchange" EDI to Improve Efficiency of Accounting Transaction", *The Accounting Review*, Oct 2002.

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(Outsourcing and Strategic Alliances)

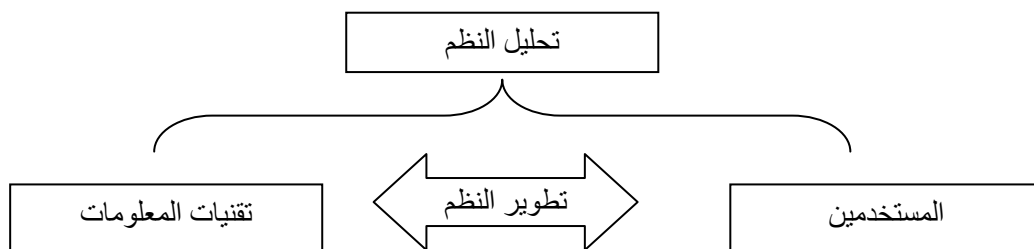
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(Demise of Hierarchy)

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(1) McNurlin, Barbara C.& Ralph H. Sprague,(2004), "Information Systems Management in Practice", sixth edition, Pearson Prentice Hall, P. 16

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Process)

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(Improvement

(Fundemental Rethinking) -

(Radical Redesign) -

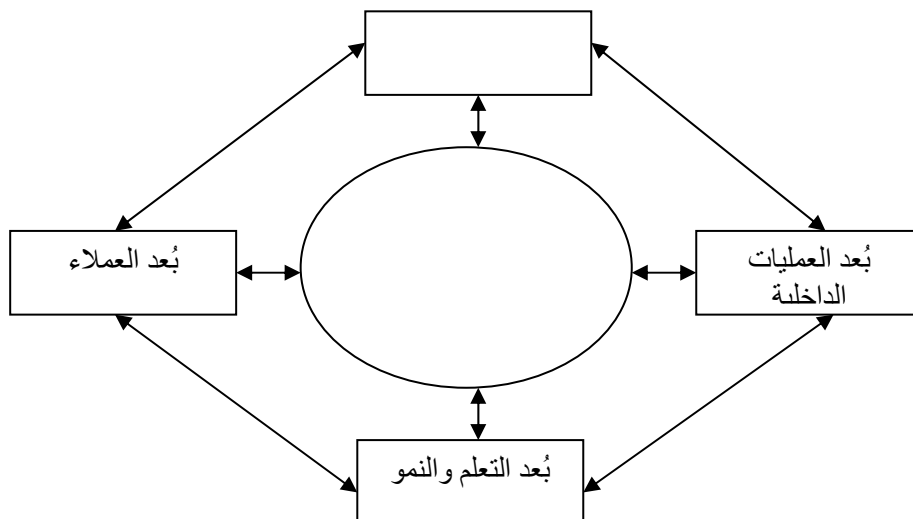
(Dramatic Results) -

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(Processes) -

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(1) Michel Hamer, Jims Shambi, (2002), Reengineering, Prentice Hall, NewYork,

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(3) McNurlin, Barbara C.& Ralph H. Sprague,(2004), "Information Systems Management in Practice", sixth edition, Pearson Prentice Hall, P. 16Hall, P. 16

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() (Process Mapping)

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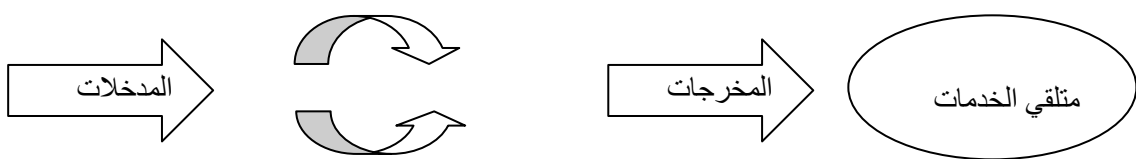
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(Benchmarking Analysis)

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(2) Turban, Efraim & Leidner, Dorothy (2008), *Information Technology for Management*, 6th edition, John Wiley & Sons, New Jersey, P517-542

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	Structure	
Strategy		Systems
	Shared Values	
Skills		Style
	Staff	

(Business Process Re-Engineering)

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:() (Results) (Enables) :

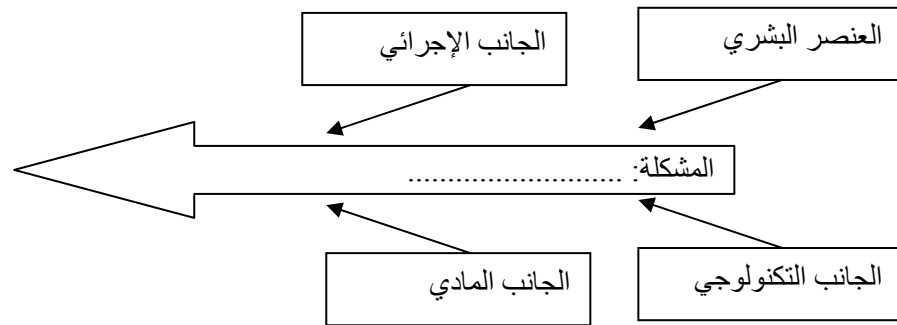
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(1) Hamer, Michel & Jims Shambi, (2002), *Reengineering*, Prentice Hall, NewYork,

(Y) Marakas, George M. (2003), *Decision Support Systems in the 21st Century*, Prentice Hall, NewJersy, P375-380.

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(Methodology Reengineering) : (-)

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(Benchmarking)

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(1) Woodman, R, sawyer, J, and Griffin, R, (2003), "Toward a theory of organizational creativity", Academy of management Review, vol 18, p213-266, www.search.epnet.com

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(٣) Marakas, George M. (2003), Decision Support Systems in the 21st Century, Prentice Hall, NewJersy, P375-380.

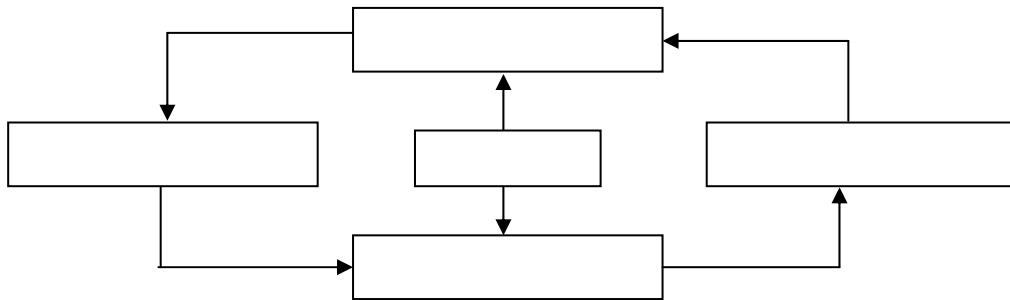
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(Level of Detail)

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(Instructions)

(Mission)

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(Forms)

(Steps)

(Tasks)

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(Systems)

(Tools)

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(Verification)

(1) Swanson, Dan (2004), "Auditing System Conversions", The Institute of Internal Auditors. IT audit, Vol.7, March, p74.

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(Value Added)

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(Benchmarking) : _____ :

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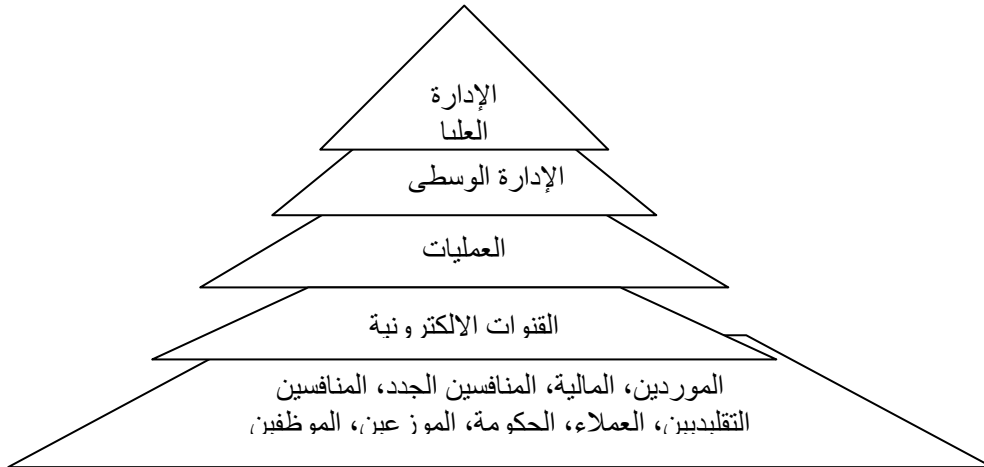
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:(Technical Approach) -

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:(Behavioral Approach) -

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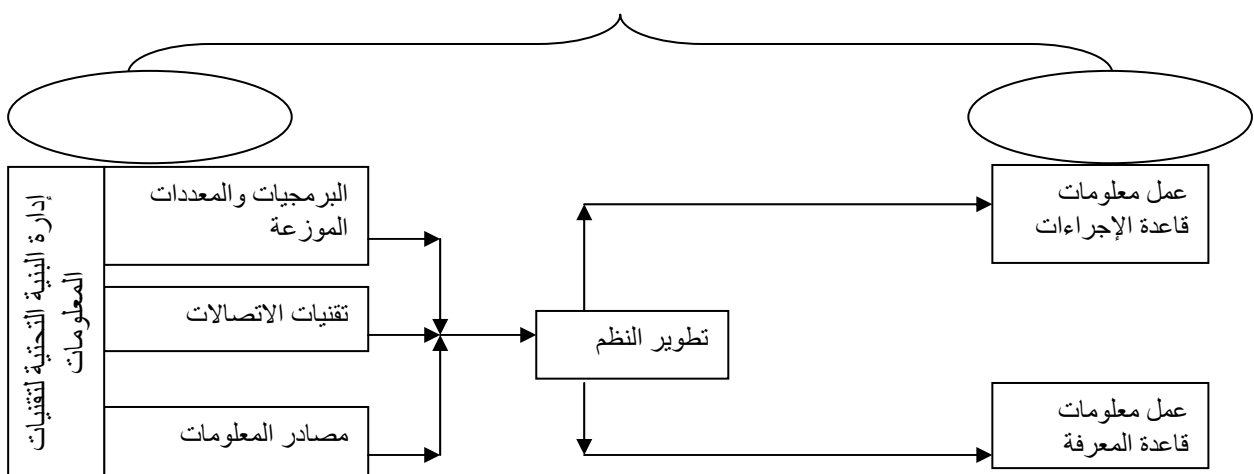
(Restructuring)

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(Systems Development) : (-)

(Preliminary Investigation)

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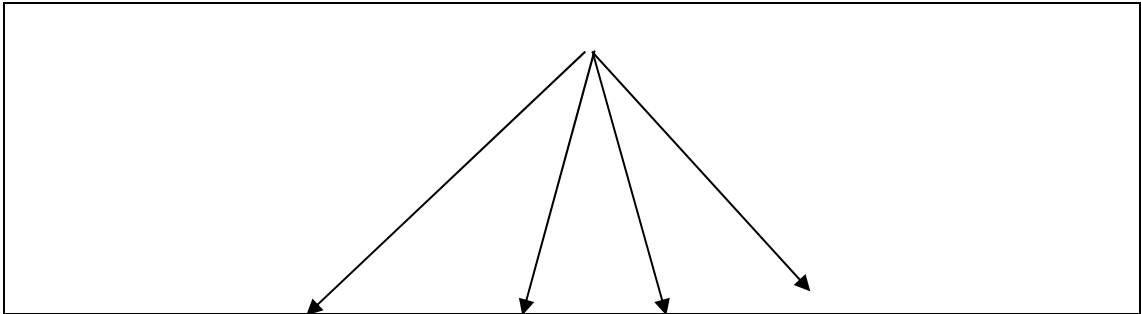
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(Systems Analysis) : :

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(Systems Design) : :

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(Systems Implementation) : _____ :

(Files) (Software) (Hardware)
.(Security Control)

(Systems Maintenance) : (_____) _____ :

The Information)

" (Systems Audit and Control Foundation-ISACF
(Control Objective for Information and Related Technology-COBIT)

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(1) Information Systems Audit and Control Associate, (2004), Information Systems Auditing Standard, March 2004, www.isaca.org.

(2) Information Systems Audit and Control Associate, (2004), Information Systems Auditing Standard, March 2004, www.isaca.org.

(Adjustment and Improvement)
Conducting System Audits and

(Periodic Evaluations

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(1) Swanson, Dan, (2004), "Auditing System Conversions", The Institute of Internal Auditors. *IT audit*, Vol. 7, March, pp 20-43.

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(Realizing the Digital Firm)

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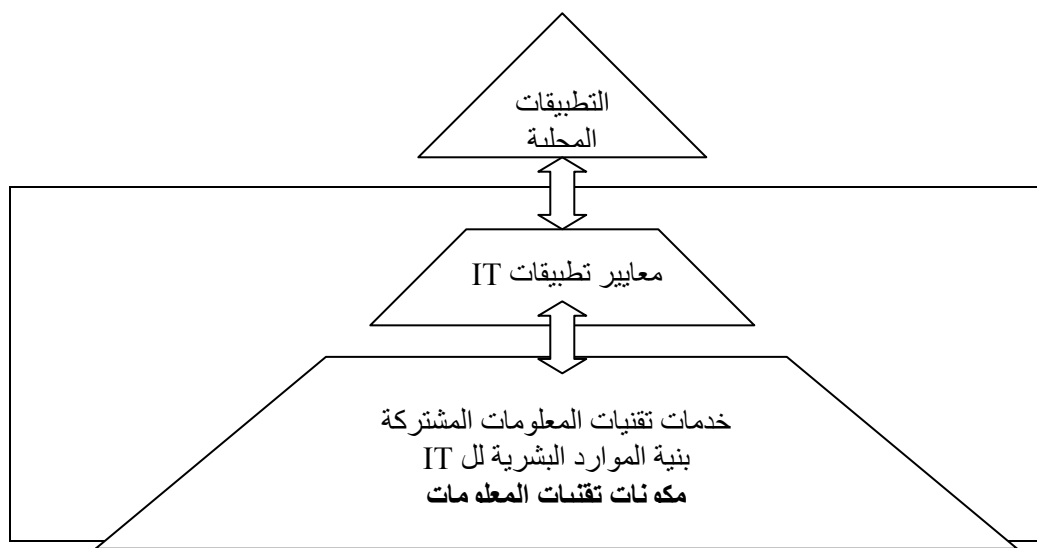
(The globalization challenge) : -

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(The Business Application Systems)

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Managing)

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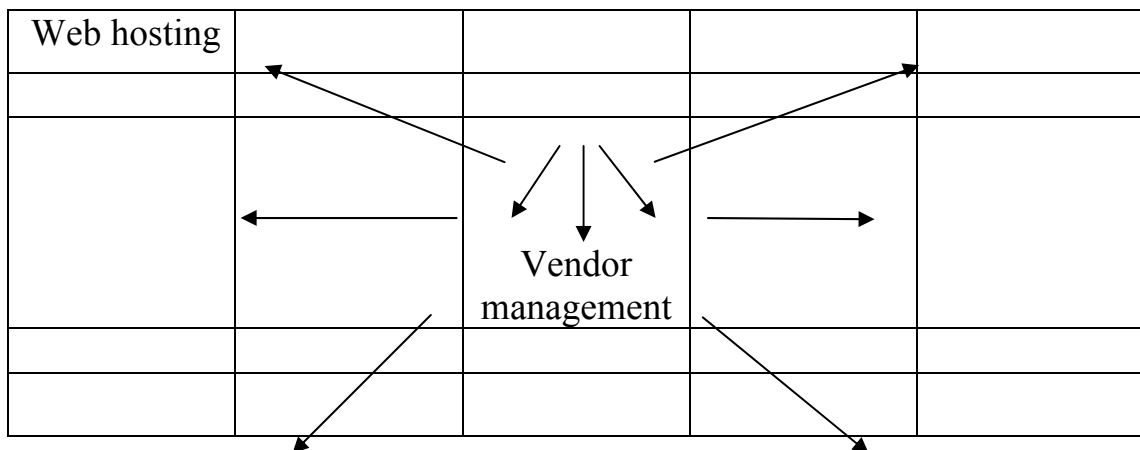
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Managing)

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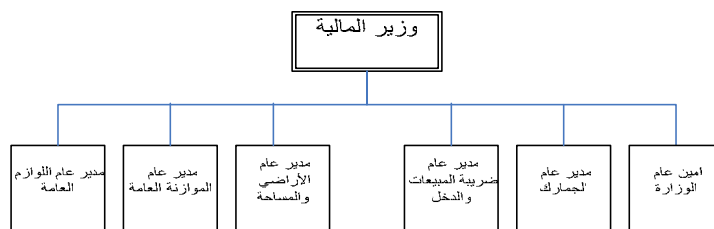
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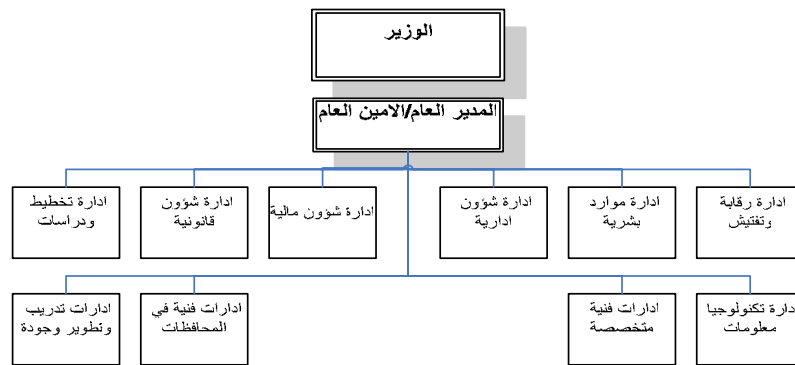
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(1) قاسم، عبدالرزاق، ردايده، مراد (٢٠٠٩)، "استراتيجية أمن البيانات المحاسبية في بيئة تقنيات المعلومات – دراسة ميدانية في مؤسسات المال العام الأردنية"، دراسة مقدمة للنشر في مجلة جامعة حلب.

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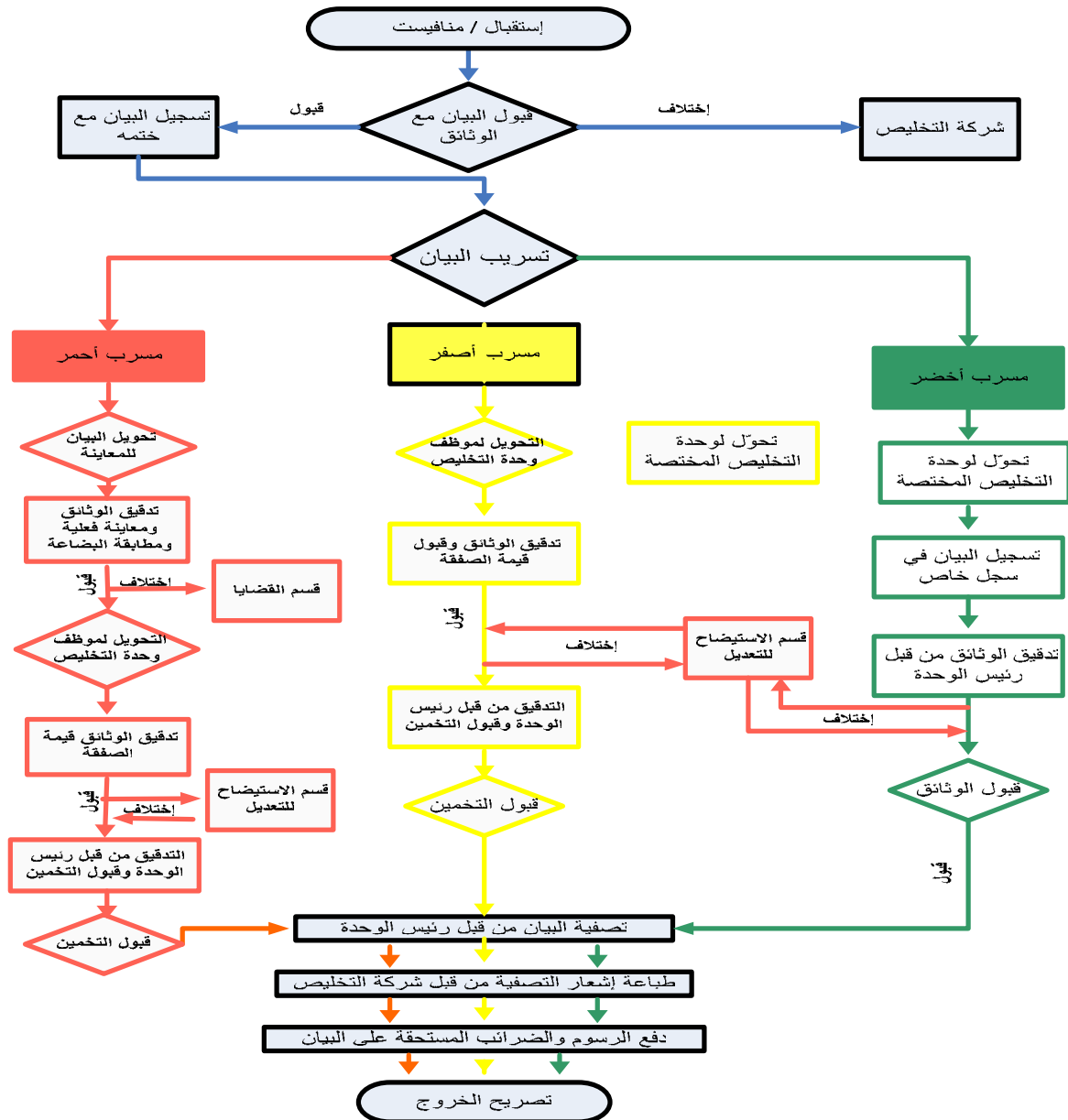
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(¹) International Federation of Accounting, “Codification of International Standards on Auditng”, Auditing in a Computer Information Systems Environment. S.No401, NewYork, 1995, pp. 131-135.

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(¹) Helms, Glenn & Mancino, Tane (1998), Electronic Auditor, Journal of Accountancy, On-line Issues, New York, Apr.

(²) Ener, Robert M. (1992), Auditing in an EDP environment, The Internal Auditor, Vol.49, June.

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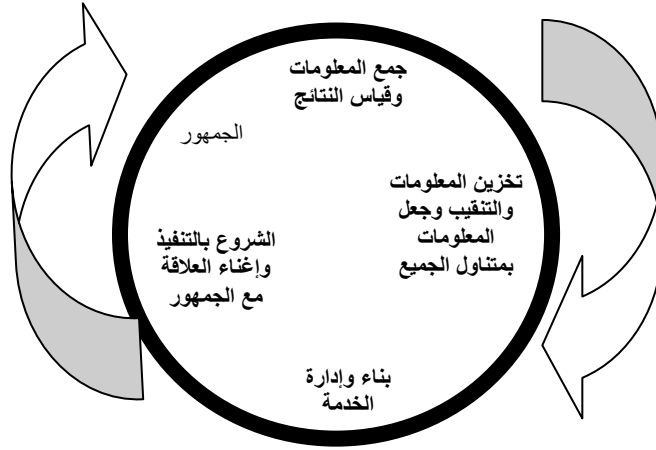
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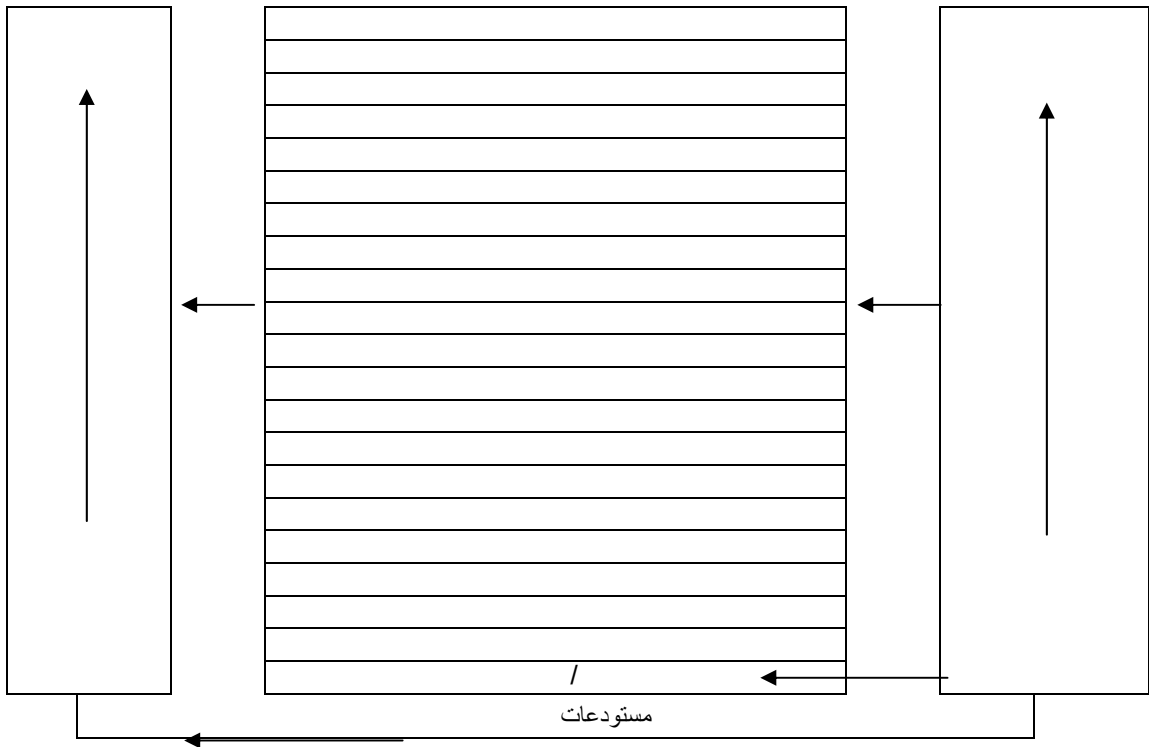


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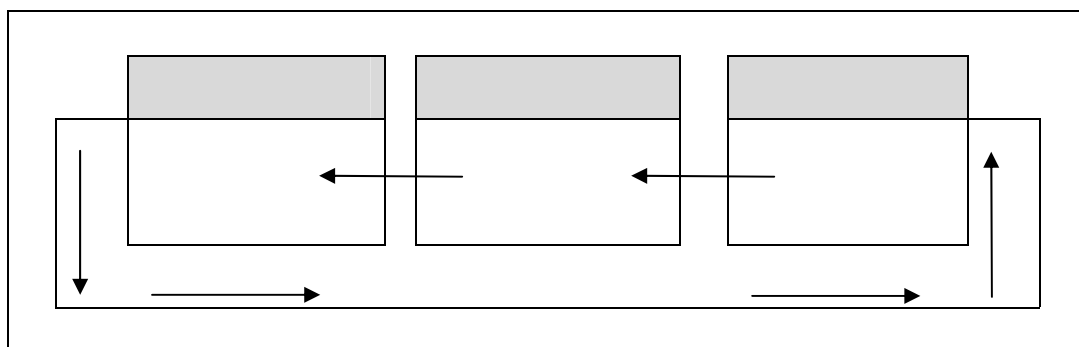
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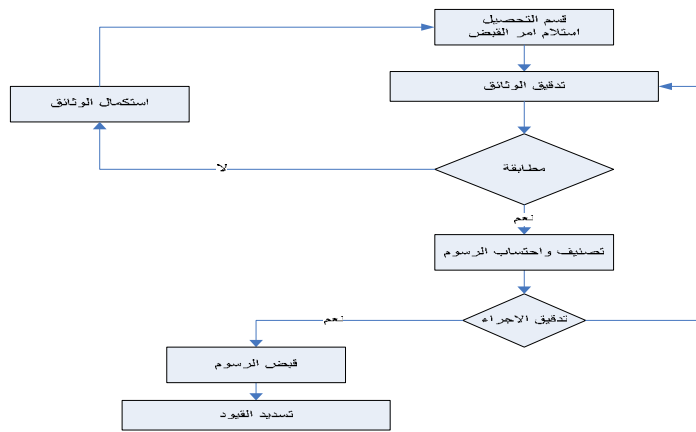
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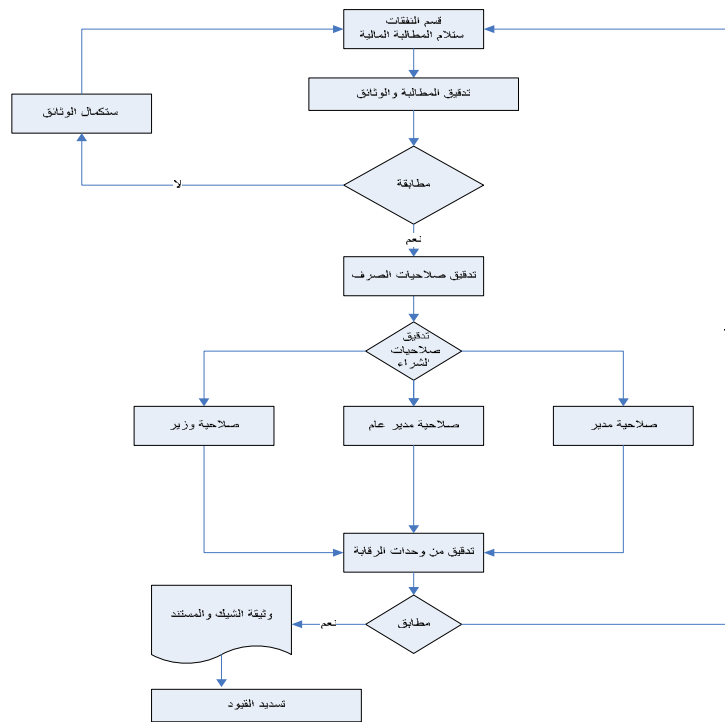
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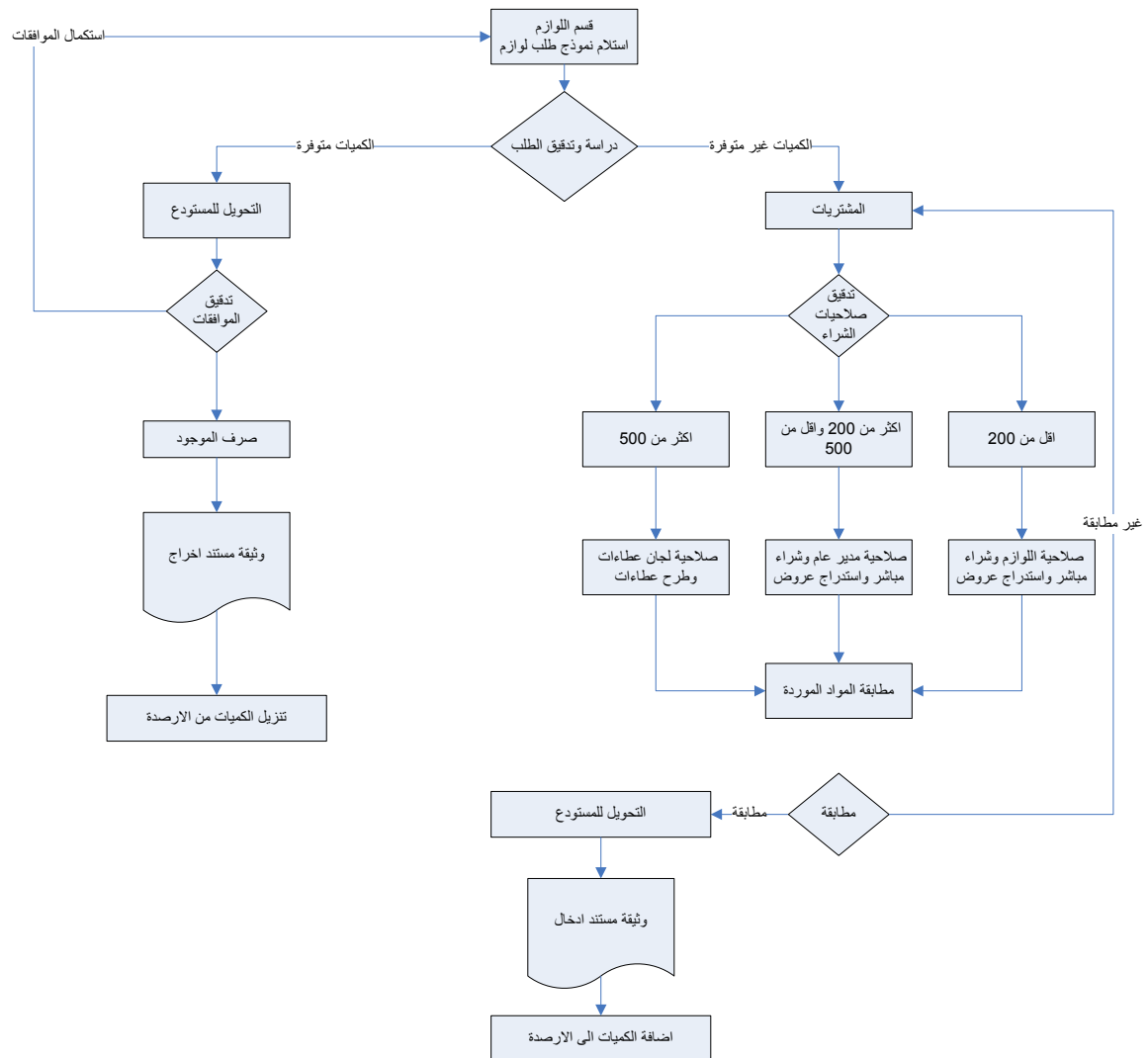
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(1) أنظر فرضيات الدراسة من الباب التمهيدي، ص ٦.

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One-Sample (t) Test

Test Value = 3						
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(1) أنظر منهجية الدراسة من الباب التمهيدي، ص ٨.
 (2) أنظر فرضيات الدراسة من الباب التمهيدي، ص ٦.

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(1) أنظر منهجية الدراسة من الباب التمهيدي، ص ٨.
 (2) أنظر فرضيات الدراسة من الباب التمهيدي، ص ٦.

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(1) أنظر فرضيات الدراسة من الباب التمهيدي، ص ٦.

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One-Sample Test

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(1) أنظر منهجية الدراسة من الباب التمهيدي، ص ٨.
(2) أنظر فرضيات الدراسة من الباب التمهيدي، ص ٦.

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(Key Performance Indicators - KPI's)

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(1) أنظر فرضيات الدراسة من الباب التمهيدي، ص ٦.

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One-Sample (t) Test						
Test Value = 3						
95% Confidence Interval of the Difference		Mean Difference	Sig. (2-tailed)	df	T	
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(Bottlenecks)
(Information Flow) (Disinter mediation)

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(Client-Server) -
.Resource Planning - ERP)

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(1) Turban, Efraim & Leidner, Dorothy (2008), Information Technology for Management, 6th edition, John Wiley & Sons, New Jersey, P314-322

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(Data Model)

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(Key Performance Indicators)

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(Emerging digital firm)

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(Electronic business)

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⁽¹⁾ Fawcett, Phil (1999), *Managing Information*, CIB Publishing, United Kingdom

⁽²⁾ Information Management,
Fawcett, Phil (1999), *Managing Information*, CIB Publishing, United Kingdom, p 56

(Round-the-clock service)
(Reduced transaction costs)

(Business to Consumer -B2C)

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(Business-to-Business- B2B)

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() (Electronic Payment Systems)

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(Digital Wallet) -

(Digital Credit Card Payment systems) -

و (Stored Value Payment Systems) -

(Smart Card) -

(Digital Cash) -

(Digital Check) -

.(Secure Digital Signature)

(KPI's of Electronic Business) :

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- (1) Turban, Efraim & Leidner, Dorothy (2008), Information Technology for Management, 6th edition, John Wiley & Sons, New Jersey, P183-186
(2) Turban, Efraim & Leidner, Dorothy (2008), Information Technology for Management, 6th edition, John Wiley & Sons, New Jersey, P192-196

(Security, Privacy)

(Organizational Intranets) /

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http://www.aicpa.org	موقع المعهد الأمريكي للمحاسبين القانونيين American Institute of CPA: (AICPA)
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The role of Accounting Information Systems in the work environment using Information Techniques

A case study conducted at Jordanian Public financial Institutions

A Study presented by the student:
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Under the supervision of:
Dr. Abdul Razak Mohammed Qasim

External Participant-Supervisor
Dr. Mu'az Fawzi

Abstract

Information Techniques are relatively considered as modern concepts that have introduced new forms of development on various fields of work. The use of such techniques entailed a tangible impact in developing the work environment, creating new roles for the existing systems in institutions of different types and objectives. These systems are considered a significant part and component in the work environment in these institutions. They have been influenced by this development and by what happened to other parts and components of the work environment. That leads to the necessity of developing their roles and objectives in line with the new status.

Based on the above information, this study explains the role of accounting information systems in the work environment using information techniques through conducting a case study in the Jordanian public financial institutions due to the importance of these institutions at the economic level on the one hand, the use of various and many techniques in these institutions, on the other hand.

This study aims at following-up the role of accounting information systems in the work environment using information techniques in Jordanian public financial institutions, getting to know about the bases and controls which are used, and processing accounting data in these institutions in comparison with bases and controls that must be followed.

So, this paper tries to present the role of the accounting information systems in various fields. First, in the field of knowledge management and providing management with information, searching for data and saving it. Second, in the field of reinforcing the control function in these institutions, whether by applying control on procedures, documents or individuals. Third, in the field of strengthening the capacity of institutions for evaluating the performance according to legislations, standards, financial measurements and non-financial measurements. Fourth, in the field of management of operations' systems by using modern controls and strategic capabilities of these institutions, change management and transformation management necessary for such environment using information techniques. Finally, meeting the requirements of the service recipients and providing appropriate services to them.

The study includes an introduction, introductory section and four other sections. The introductory section deals with the general framework of the study, the problems, the objectives, its importance and the used approach. The first section deals with modern trends of accounting information systems in the management of these organizations. The second section addresses the real status of accounting information systems in the environment using information techniques in the public financial institutions. While the third section introduces a case study that was applied in the public financial institutions, analyzes the results and examines the hypotheses. Finally, the study concludes in section IV by presenting conclusions and recommendations, and then a conclusion.

Collecting Data for this study was through three main methods. The first method was through the secondary data obtained from references and previous studies on this subject. The second method was through the researcher's observations and assessment of the existing accounting information systems in these institutions. While the third method was through the primary data which was collected through the questionnaire that included paragraphs dedicated to each field and covered all the variables. The questionnaire that was distributed to a sample of Jordanian public financial institutions amounted to (440) questionnaires. The total of (378) questionnaires were retrieved and accepted for research purposes.

Computers were used in the statistical analysis necessary for the study through the use of the statistical program (SPSS). The analysis of data was through using percentages, standard deviation, correlation coefficient, testing the highest and lowest of the arithmetic mean, (T) test, and the Analysis of Variance (Anova).

Then, the study concluded that accounting information systems in the environment using information techniques in Jordanian public financial institutions had a clear role in the areas referred to above. But this role is still below the required level because of the following findings. First, in the field of the effectiveness of accounting information systems in providing management with information and knowledge management in these public financial institutions, the arithmetic mean of the answers of the individuals of the study sample on their assigned paragraphs was (3.19), it is in the medium limits, which requires more attention to this field. Second, in the field of the effectiveness of accounting information systems in reinforcing the control function in these institutions, the arithmetic mean of the responses of the individuals of the study sample on paragraphs which clarified the role of these systems in the field of control management and control function was (3.15), it is in the medium limits, which also requires more attention to the this field because of its importance. Third, in the field of accounting information systems efficiency in measuring and evaluating the performance in the public financial institutions, the arithmetic mean of the responses on certain paragraphs that reflected this role was (3.13), it is also in the medium limits, which requires more attention because of its importance. Finally, in the field of the accounting information systems efficiency in promoting the management of operations' systems in such institutions, the arithmetic mean was (3.08), it is in the medium limits, and so it requires more attention because of its importance.

The study revealed the existence of potentials which were not fully invested in the environment using information techniques applicable in these institutions. But this role was still in the medium limits. However, the individuals of the study sample reported the existence of potentials, to a large extent; which could be invested in order to expand this role.

The study reached some recommendations which would help enhancing the role of accounting information systems in the Jordanian public financial institutions to enable them to benefit from all the potentials provided through using such information techniques in these institutions. These recommendations are:

1. In the field of knowledge management and information production, the study recommended that public financial institutions should benefit from the potentials provided by such environment, and that would enable accounting information systems to be connected with other information systems in order to complete and process the business of the institution clearly. In addition, such institutions

should invest their capabilities in providing appropriate and sufficient resources to be used in the accounting information systems so as to enable these institutions coping up with the requirements of decision-makers, users of these systems and the recipients of the service.

2. The study also recommended that in the field of the management of the control process, Jordanian public financial institutions should clarify the elements involved in using accounting information systems, their purpose, and the appropriate work environment to meet the needs of the beneficiaries quickly and accurately, and to reduce the costs. It is also important to provide safety and security elements for accounting information systems, especially with the absence of input documents and handling of non-visual effect of operations. These institutions need to establish indicators that will help them maintaining the stability of positive performance or upgrading it, and adopting corrective procedures governing any deviations to ensure a better follow-up through the use of such systems. They can make use of accounting information systems in regulatory and management controls, clarity of policies and procedures, development of applications and operations, operating process and means of communications.
3. In the field of measuring and evaluating the performance, the study recommended that institutions should benefit from the potentials of accounting information systems through using a measuring process, obtaining true conclusions for evaluating the performance and the actual achievement as well as obtaining real conclusions for evaluating the used control methods, policies, procedures, rules and budget. We should make use of accounting information systems through the use of measurement tools such as the balanced scorecard. These systems can help institutions to provide criteria required by external control bodies such as the Court of Accounts, external auditor and others.
4. In the field of management and engineering of operations' systems, the study also recommended that we should make use of accounting information systems in redesigning the work methods to achieve the best results in the performance indicators such as cost, speed, quality and the service level. Such systems provide the possibility of determining the appropriate time to review the work method which was followed. They also indicate the importance of work and its value both to the institution and the service recipients.

Jordanian public financial institutions should seek to provide radical solutions to the current work problems through redesigning of the work methods, adopting methods based on innovation and creativity, making use of accounting information systems in achieving super changes in the performance rates. That leads to improving the financial and moral proceeds of the services delivered by these institutions, increasing the institutional productivity and the performance of the employees, reducing the time needed to complete the work and providing better services to customers.

The study presented in the conclusion a proposed model on engineering of accounting information systems' operations by using business resources planning systems and management of e-business. This model is applicable and so that will increase the performance of accounting information systems and all other information systems which can be linked together to provide much more services and information than what are currently existing.



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Economic Faculty
Accounting Section**

Doctorate Thesis

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