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E/ESCWA/ICTD/2003/11/Add.4
3 November 2003
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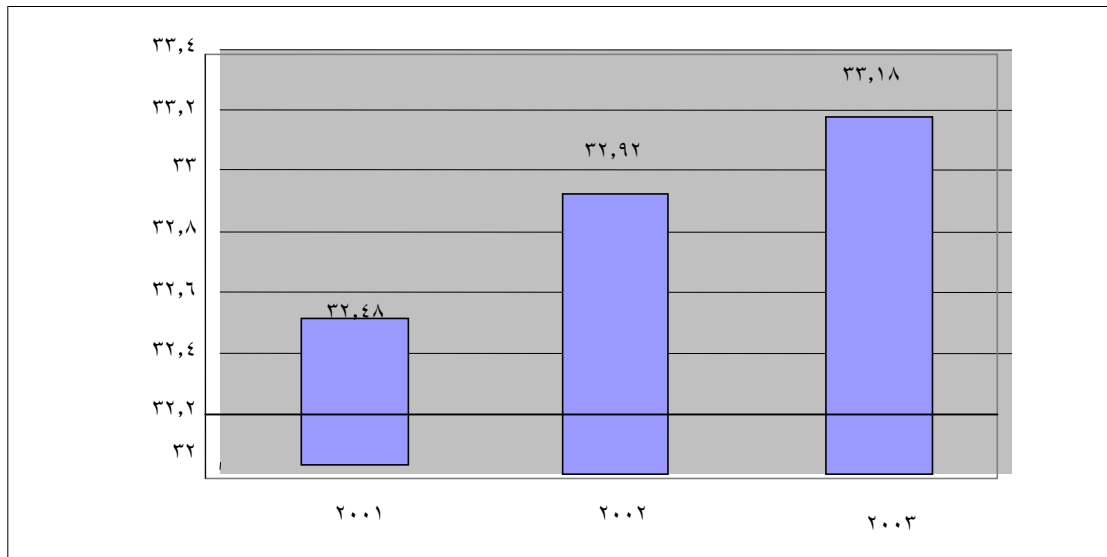
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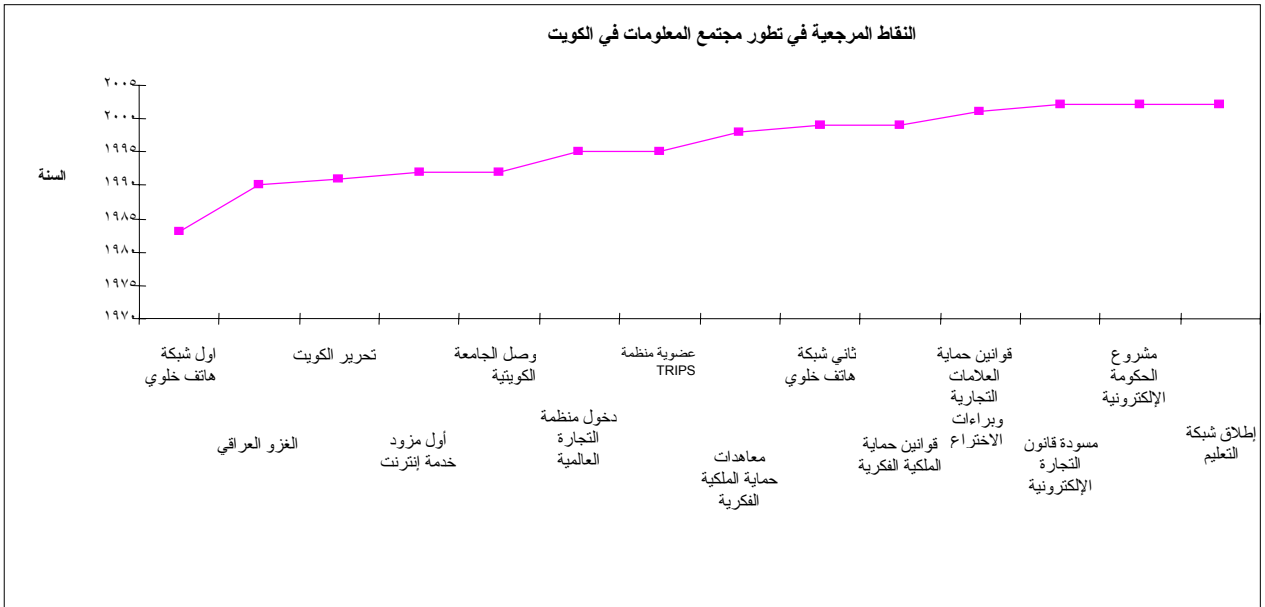
regulatory framework, enabling environment (infrastructure), advancement programs, capital & human resource development

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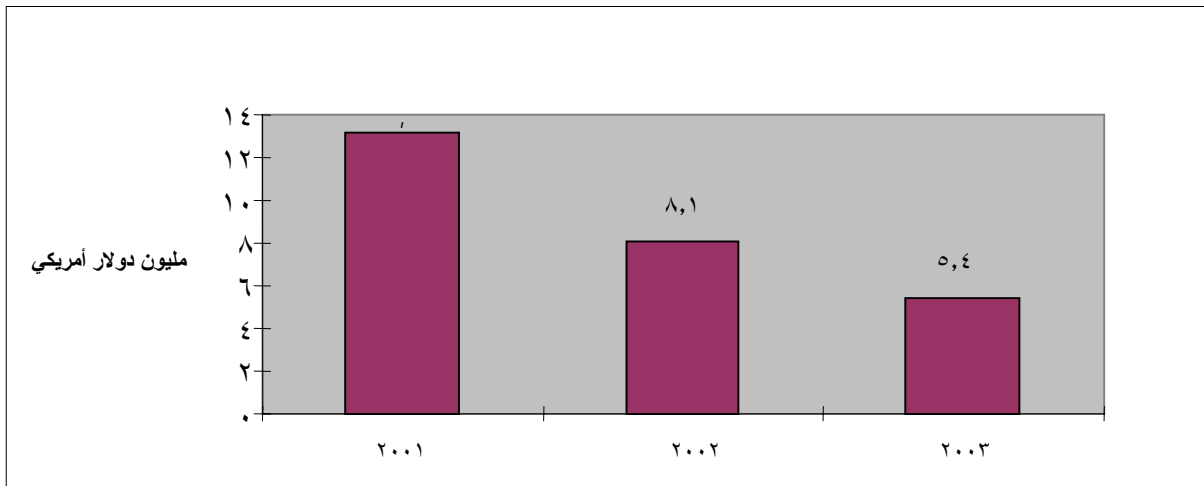
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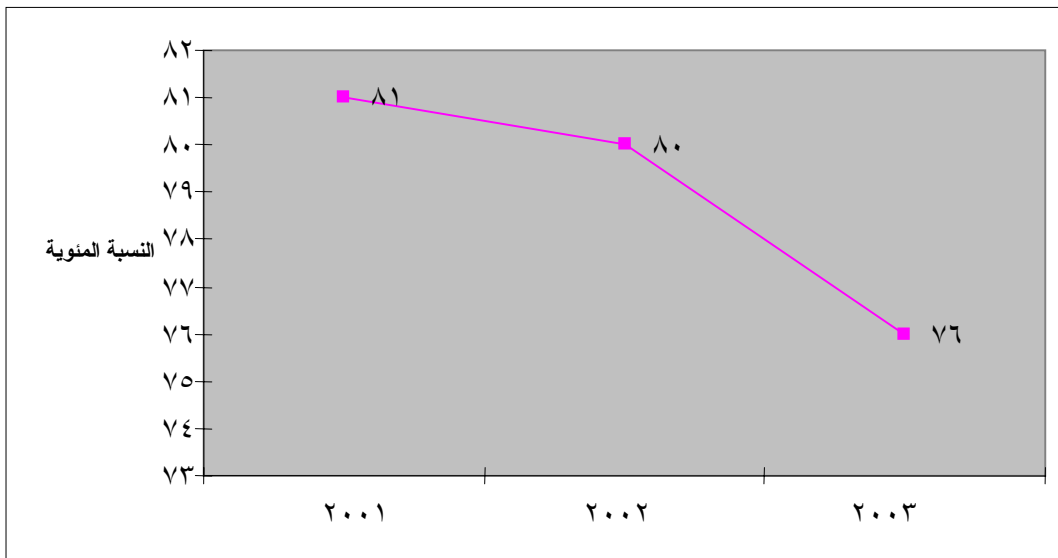
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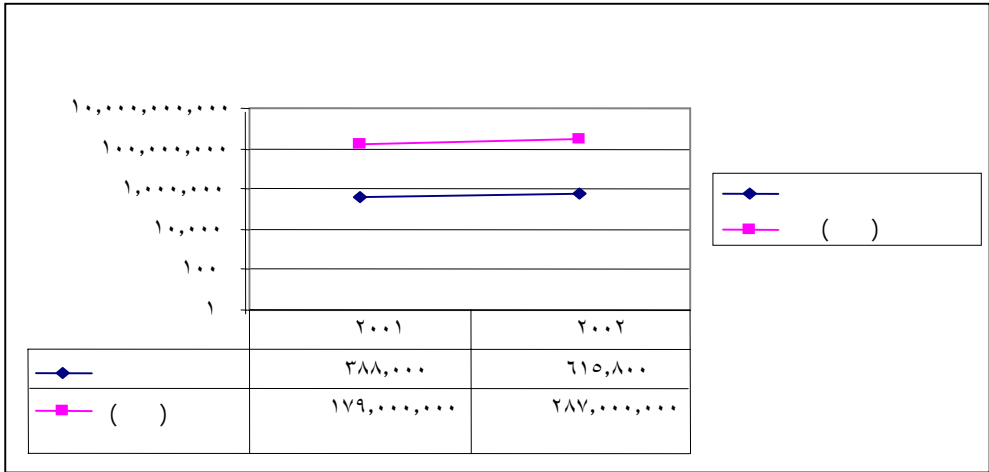
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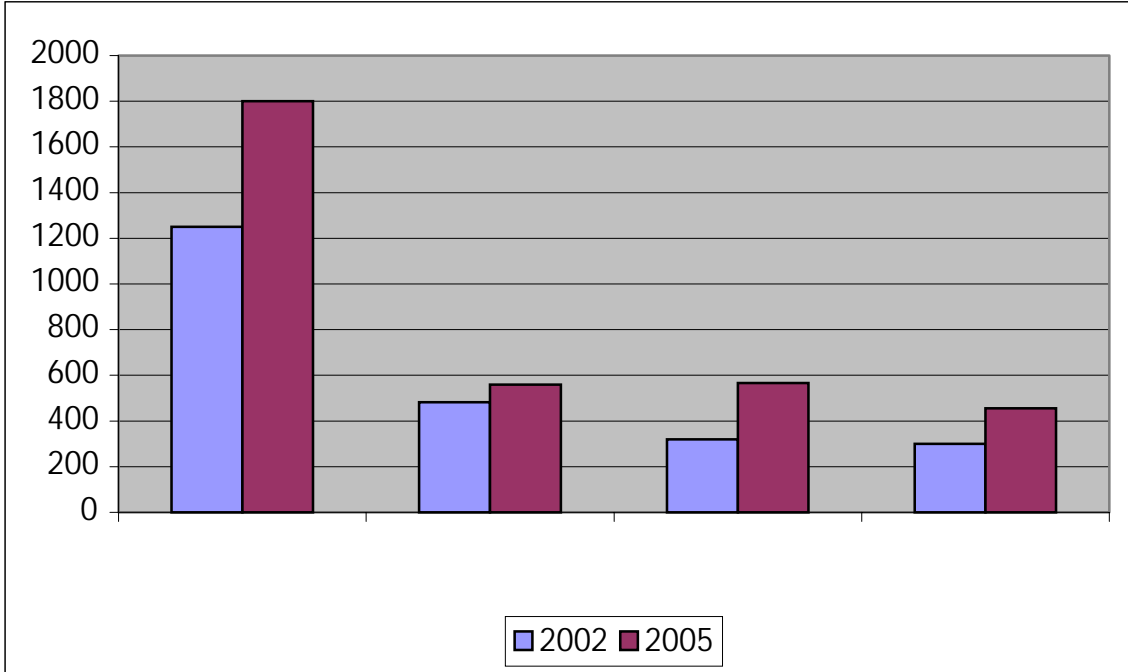
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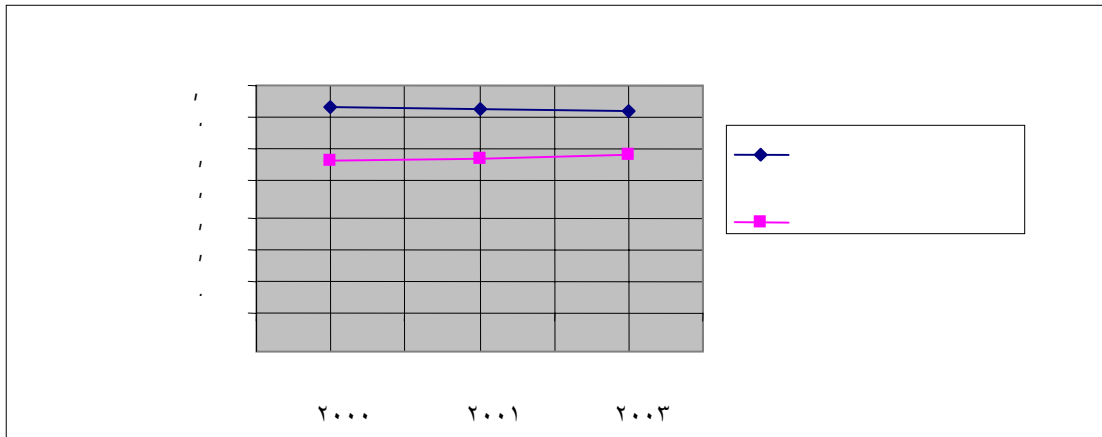
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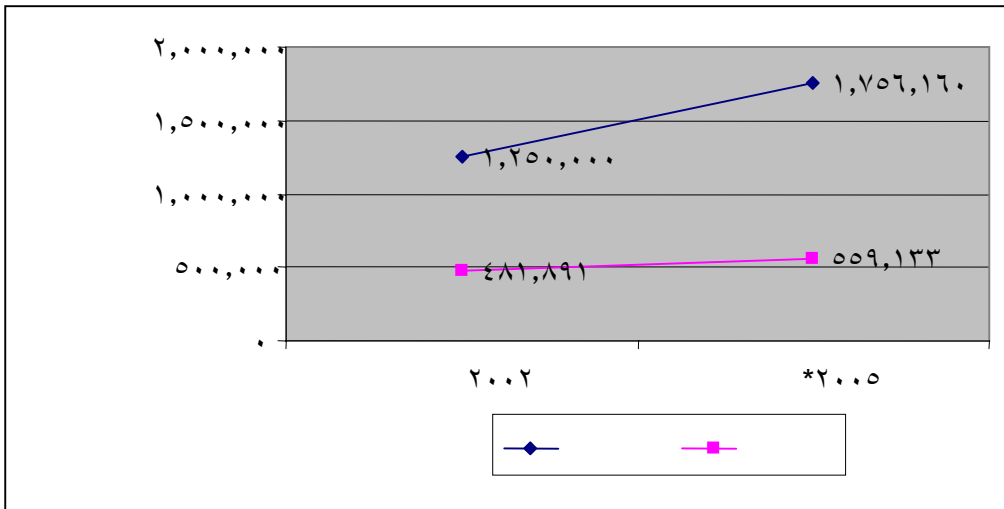
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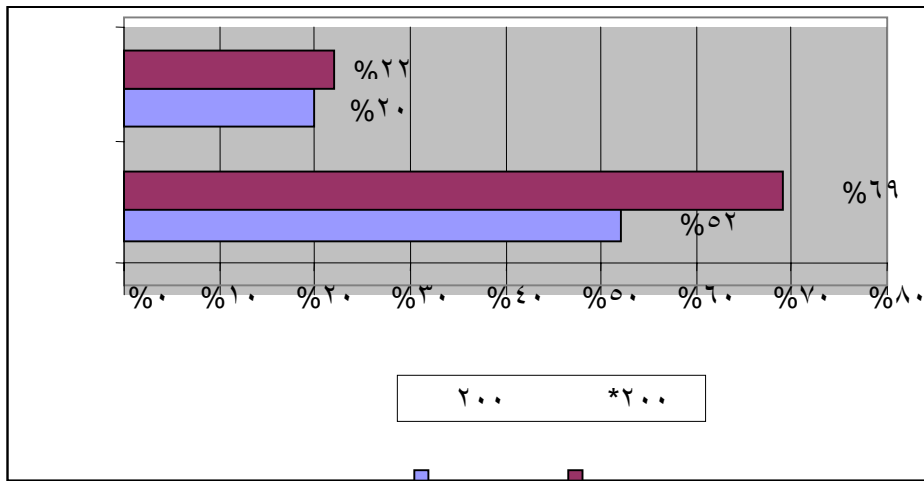
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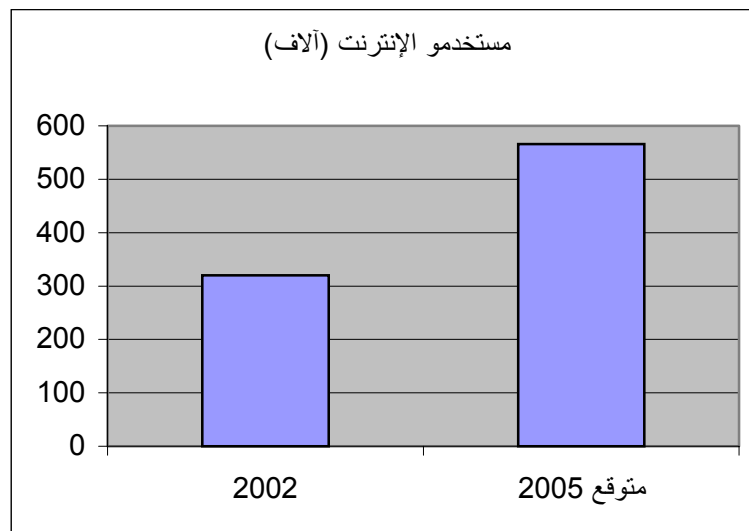
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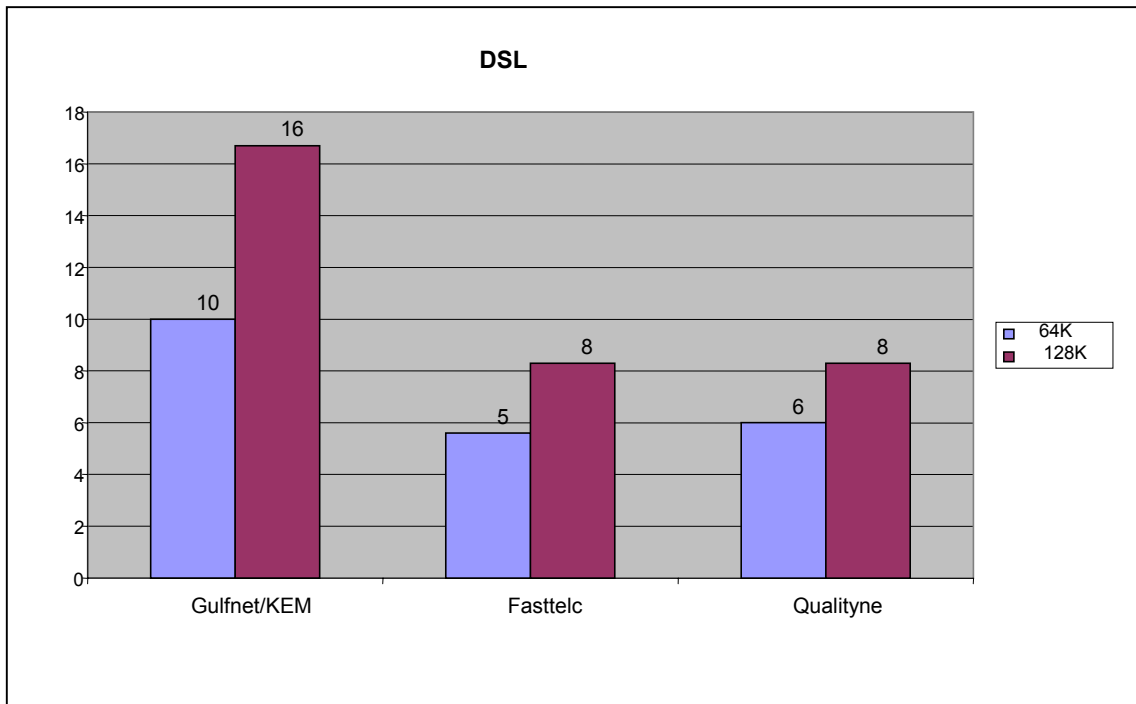
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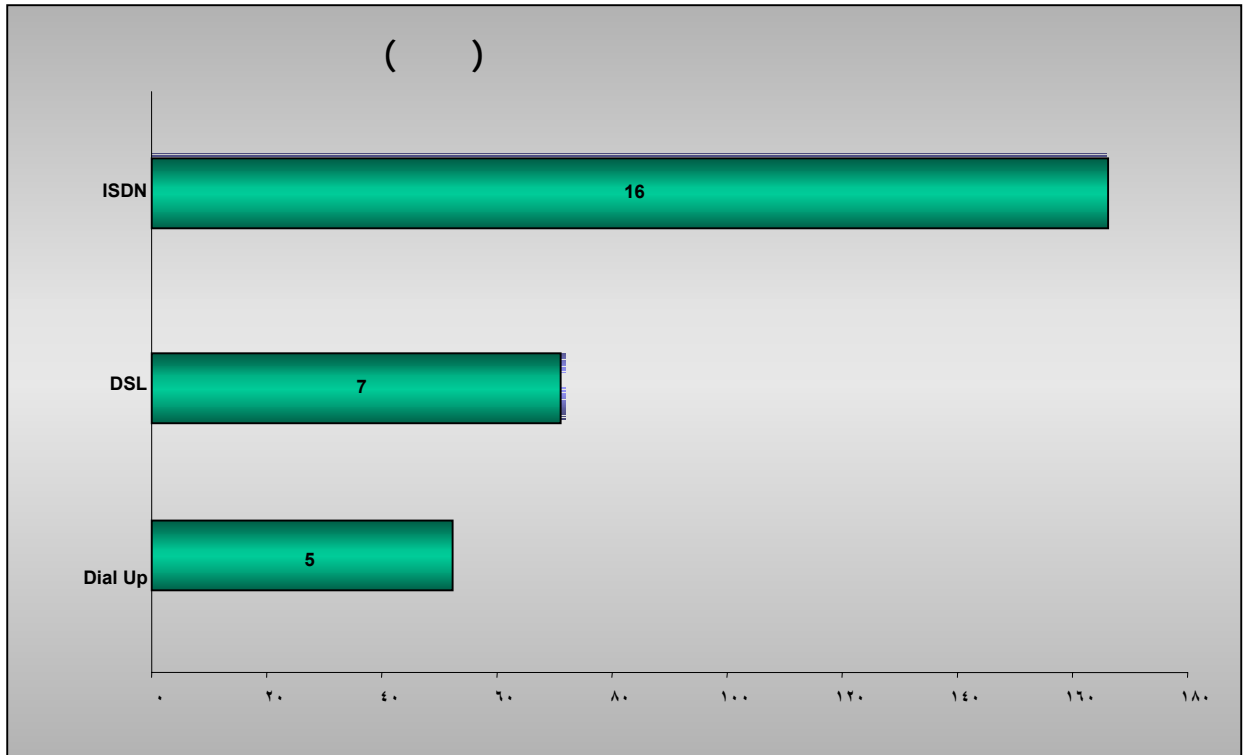
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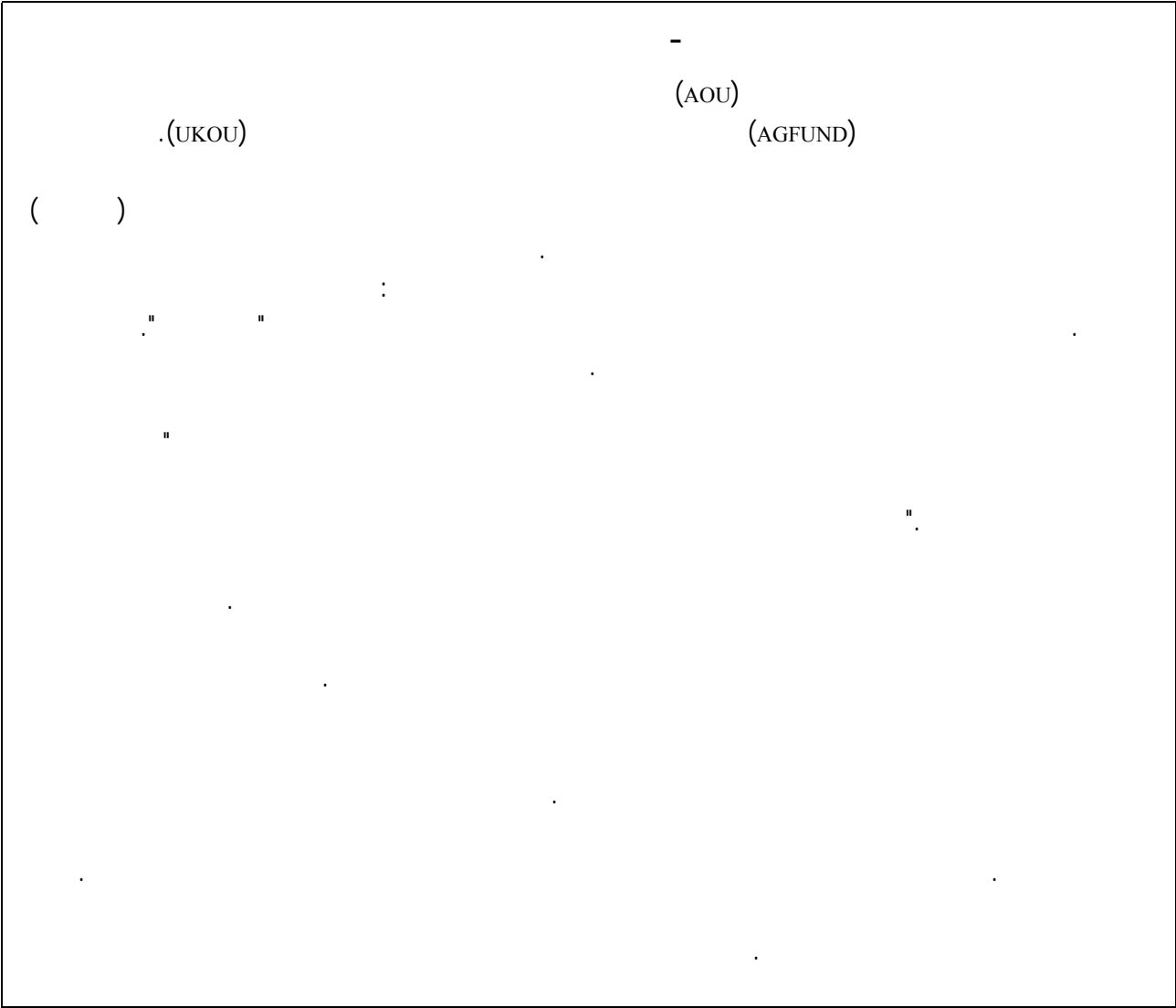
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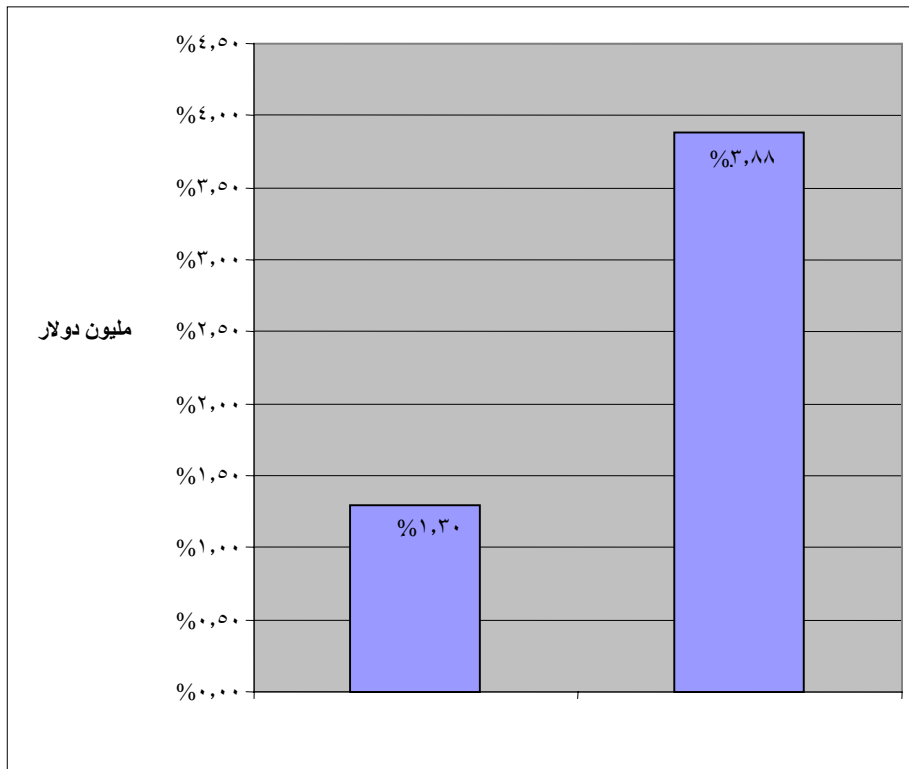
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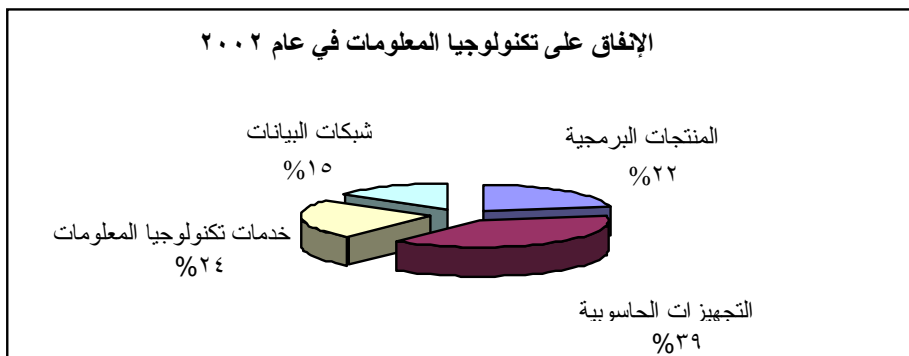
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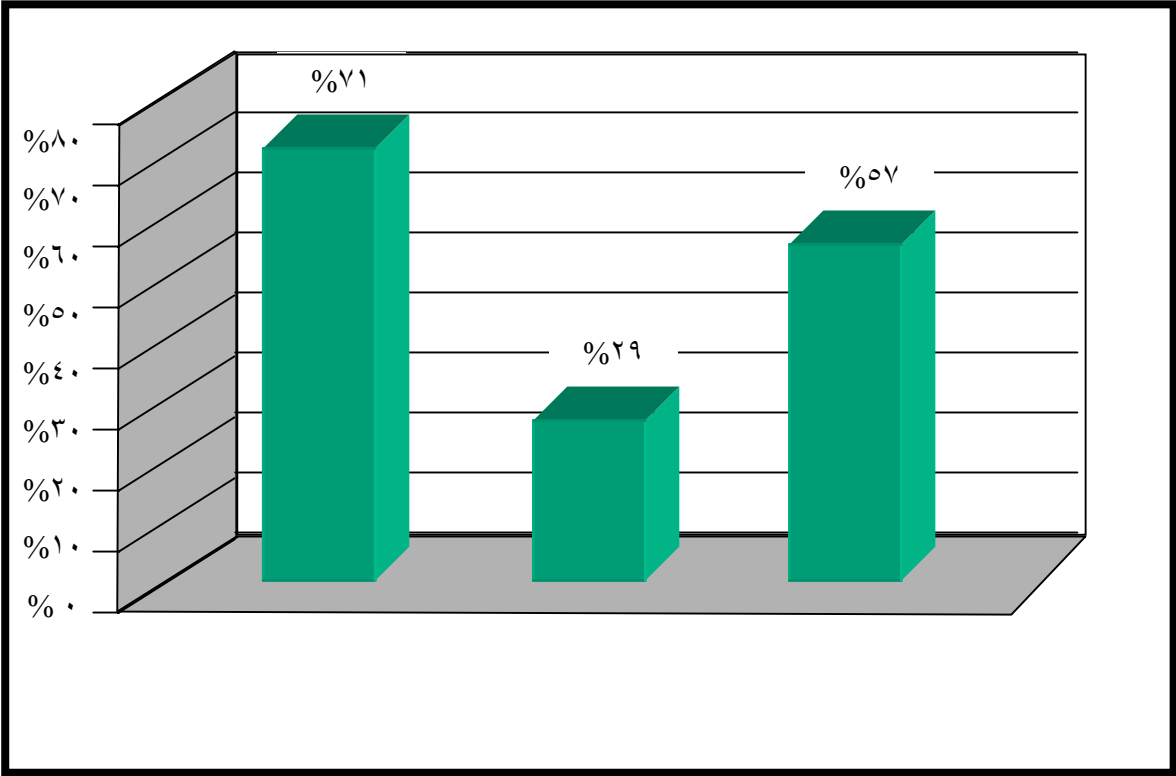
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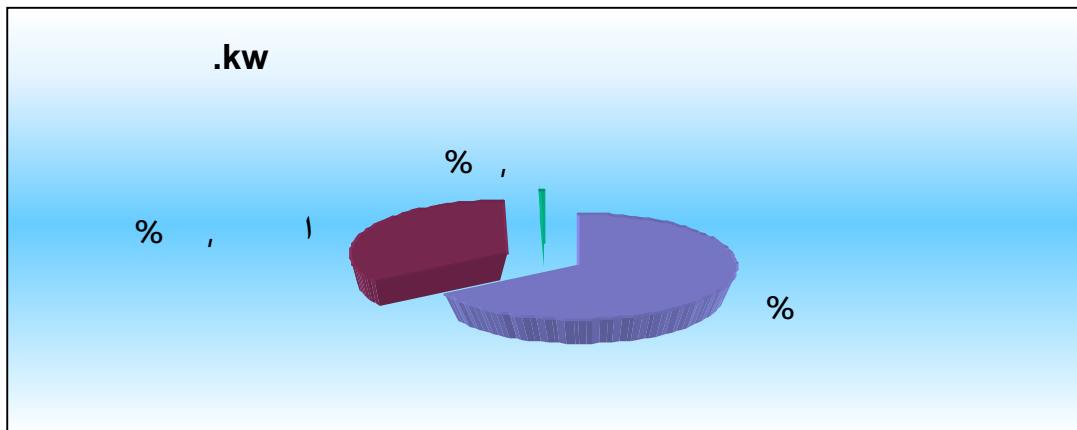
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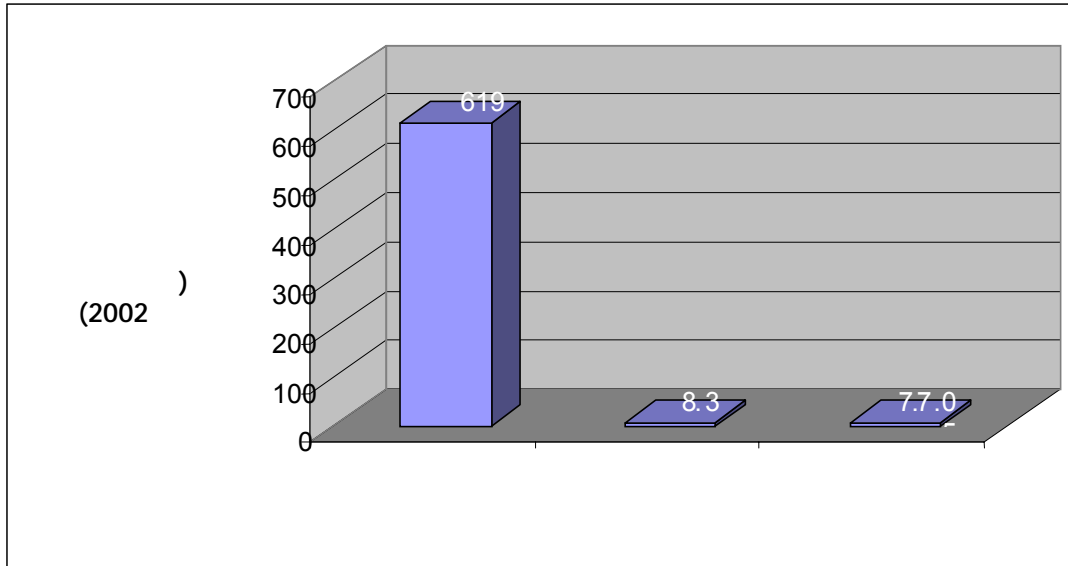
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 2. United Nations Development Programme
 3. World bank Group
 4. UNESCO
 5. United Nations University World Institute for Development Economics Research (UNU-WIDER)
 6. World Information Technology and Services Alliance (WITSA)
 7. The Economic Freedom Index 2003, Wall Street Journal and the Heritage Foundation
 8. The Global Information Technology Report 2002-2003, The World Economic Forum
 9. Kuwait Ministry of Planning
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 13. Madar Research Journal (Issue 1 to 4)
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 15. World Markets Research Center's Global E-Government Survey published by Brown University in September 2002
 16. INSEAD, 2002
 17. Arab Human Development Report 2002, United Nations Development Programme.
 18. Diab, Hassan. Standardization Related to Arabic Language Use in ICT. American University of Beirut, 2003.
 19. Dutta, Soumitra and Mazen Coury. ICT Challenges for the Arab World. France: Insead, France, 2002.
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INDICATOR	Y2000	Y2001	Y2002
1. Basic Background Indicators			
1.1 Population	2,190,000	2,243,080	2,418,000
1.2 Area	17,820 sq. km	17,820 sq. km	17,820 sq. km
1.3 Density (per sq.km)	90	94	97
1.4 Urban population	1,919,000	Not available	Not available
1.5 Adult literacy	78.6	82	83.4
1.6 Poverty	0	0	0
1.7 GNI per capita	17,900	18,720	Not Available
1.8 GDP growth	3.9	-1	1.4
2. Telecom Infrastructure			
2.1 Fixed lines (total)	467,007	472,414	481,891
2.2 Domestic (lines per household)	Not available	Not available	Not available
2.3 Urban (%)	Not available	Not available	Not available
2.4 Waiting list (total number)	0	0*	0
2.5 Waiting time (average)	Not applicable	Not applicable	Not Applicable
2.6 Revenue per line (\$)	841	Not available	Not available
2.7 Cost of local call (\$ per 3 minutes)	Not available	Not available	Not available
2.8 Cost of call within region (\$ per 3 minutes)	Not available	Not available	1.11 (GCC)/ 2.4 (Rest of Arab world)
2.9 Cost of call to US (\$ per three minutes)	Not available	Not available	1.5
2.10 Number of fixed line operators	1	1	1
2.11 ISDN lines	Not available	Not available	150
2.11.1 Initial cost (\$)	Not available	Not available	100
2.11.2 Monthly charge (\$)	Not available	Not available	166
2.12 DSL lines	Not available	Not available	11000
2.12.1 Initial cost (\$)	Not available	Not available	198
2.12.2 Monthly charge (\$)	Not available	Not available	60
2.13 Leased lines	Not available	Not available	650
2.13.1 Initial cost (\$)	Not available	Not available	Not published
2.13.2 Monthly charge (\$)	Not available	Not available	Not published
2.14 Cable	Not available	Not Available	Not available
2.14.1 Initial cost (\$)	Not available	Not available	Not available
2.14.2 Monthly charge (\$)	Not available	Not available	Not available
2.15 Outgoing traffic (minutes per subscriber)	Not available	339.7	Not available

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INDICATOR	Y2000	Y2001	Y2002
2.16 Incoming traffic (minutes per subscriber)	Not available	Not available	Not available
2.17 Mobile lines	476,000	878,000	1,250,000
2.18 Number of mobile operators	2	2	2
3. Media Infrastructure			
3.1 Radios	1,366,560	Not available	Not available
3.2 Television	930,000	950,000	Not available
3.3 Satellites	570,000	650,000	Not available
3.4 Daily newspapers	819,060	Not available	Not available
4. Computers and the Internet			
4.1 Personal computers	250,000	272,000	300,000
4.2 Personal computers in education	Not available	Not available	22,500
4.3 Percentage of computers that are networked	Not available	Not available	Not available
4.4 Internet subscribers	40,000	55,000	80,000
4.5 Internet users	150,000	200,000	320,000
4.6 Internet hosts	3,360	3,437	3,261
4.7 ISPs (main)	2	2	3
4.8 ISP monthly charges (\$)	Not available	Not available	\$25
4.9 Telephone usage charges (\$)	Not applicable	Not applicable	Not applicable
4.10 Available national bandwidth	Not available	Not available	45Mbps
4.11 Hosting availability	Not available	Not available	Not available
4.12 Secure servers	Not available	Not available	Not available
5. ICT expenditure			
5.1 Telecom expenditure (million \$)	Not available	Not available	490
5.2 IT expenditure (million \$)	Not available	Not available	410
5.3 Percentage of GDP (%)	Not available	Not available	2.73%
5.4 ICT per capita (\$)	Not available	Not available	372
6. Capacity building			
6.1 Scientists and engineers in R&D	Not available	Not available	Not available
6.2 R&D expenditure (% of GNI)	Not available	Not available	Not available
6.3 ICT related graduates per year	Not available	Not available	Not available
7. ICT government and business environment			
7.1 e-readiness index	Not available	Not available	Not available
7.2 e-government index	Not available	2.12	Not available
7.3 IPR enforcement	Moderate	Moderate	Weak
7.4 Compliance with WTO	Yes	Yes	Yes
7.5 Basic telecom agreement	No	No	No

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INDICATOR	Y2000	Y2001	Y2002
7.6 Reference paper	No	No	No
8. Laws and regulations			
8.1 Patent law	No	Yes	Yes
8.2 Trademark law	No	Yes	Yes
8.3 Copyright law	Yes	Yes	Yes
8.4 IT Agreement	No	No	No
8.5 e-Commerce law	No	No	No
8.6 e-Signature law	No	No	Draft
8.7 Piracy Rate	80%	76%	Not available
9. ICT policy			
9.1 ICT strategy	Outline	Outline	Outline
9.2 ICT Plan of action	Partial	Partial	Partial
9.3 National Initiatives	Yes	Yes	Yes

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United Nations University World Institute for Development The World Bank International Telecommunications Union
World Information Technology and Services Alliance (WITSA) Economics Research (UNU-WIDER)

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		http://www.kuwait-fund.org/frames.htm	
		http://www.mild-kw.net/	
		http://www.sabq8.org/	
		http://www.paac.org/	
		http://www.csc.net.kw/	
		www.kuwait-airport.com.kw	



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Arab Information Management Systems (www.aims-kw.com)
Bank of Kuwait and the Middle East (www.bkme.com)
Burgan Bank (www.burgan.com)
Commercial Bank of Kuwait (www.cbk.com)
Fast Telecommunications Company (www.fasttelco.net)
Global Reach Marketing (www.global-reach.biz)
Gulf Bank of Kuwait (www.gulfbank-online.com)
Gulf Company for Trading over the Internet (www.ourgulf.com)
Gulfnet International/KEMS (www.kems.net)
Hasibat (www.hasibat.com)
International Software Consortium (www.isc.org)
International Telecommunications Union (www.itu.org)
International Turnkey Systems (www.itsq8.com)
Kuwait Finance House (www.kfh.com)
Kuwait Stock Exchange (www.kuwaitse.com)
Kuwait Information Technology Society (www.kcs.org)
Kuwait Institute for Scientific Research (www.kisr.edu.kw)
Kuwait National English School (www.knes.edu.kw)
Kuwait News Agency (www.kuna.net.kw)
Kuwait University (www.kuniv.edu)
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Microsoft Middle East (www.microsoft.com)
National Bank of Kuwait (www.nbk.com)
Oracle Middle East (www.oracle.com/me/press/meo/ku_scoops.html)
Quality Net General Trade & Cont. Co. (www.qualitynet.net)
The World Bank Group (www.devdata.worldbank.org)
United States Commercial Service (http://www.export.gov/comm_svc/)
Wataniya Telecom (www.wataniya.com)