

الملحقات

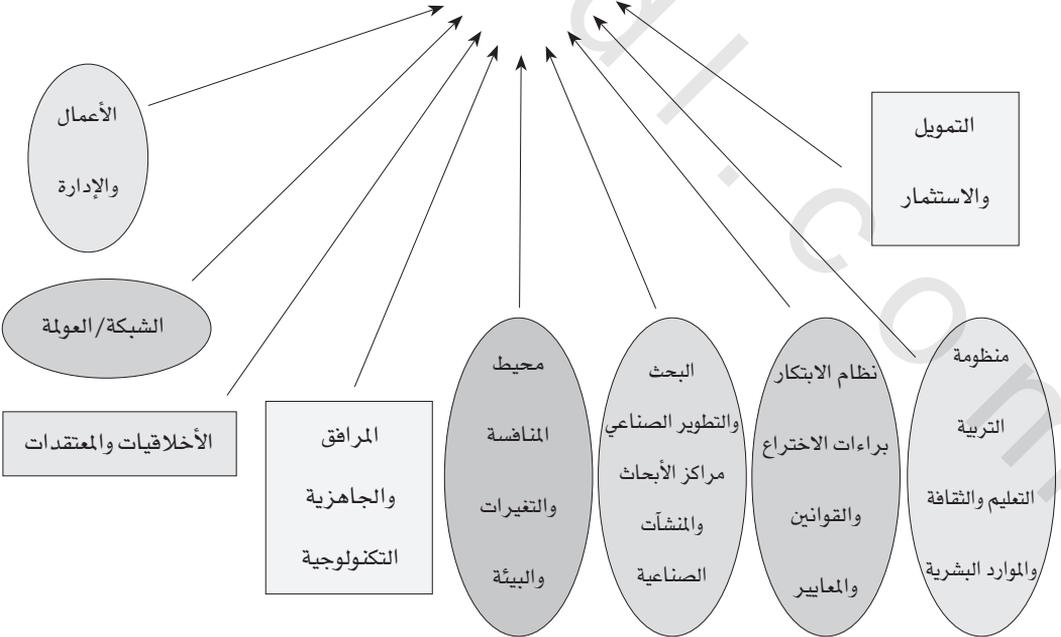
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ملحق (1)

تعدد ارتباطات الابتكار

الإِنسان المجتمع الاقتصاد البيئة



ملحق (2)

بعض الاختراعات والابتكارات البسيطة وأثرها الكبير في حياة الإنسان

آثارها	تاريخها	الابتكارات
صالحة للوقاية كما هو في قطاع البناء	1919	القبعة الصلبة
أداة تم تصميمها لقياس الرجل وبالتالي الحذاء	1929	مقاس الرجل
أداة صممت لقبض مقابل استعمال مساحة وقوف	1935	عداد وقوف السيارات
أداة صممت لتساعد على فك اللولب أو ضبطه	1936	لولب فليبس
بطاقة تمكن من دفع المشتريات على الحساب	1937	بطاقة التسوق
سد الفتحات	1949	صمام البخاخة
أداة تنتفخ عند الحاجة إلى حماية سائقي السيارات	1968	حساس حقيبة الهواء
تساعد على حفظ الوسائل الصغيرة.	1999	سبورة مفاتيح لينة

- المصدر: (ماري كواك، 2002).

ملحق (3)

البلدان الإسلامية العشرة الأولى في الإنتاج العلمي 2004

المجال الأساسي	عدد المنشورات	البلد
الجراحة	82.407	1- تركيا
الرياضيات التطبيقية	27.723	2- مصر
الكيمياء	19.114	3- إيران
الطب العام والباطني	17.472	4- السعودية
علوم الكريستال	10.674	5- ماليزيا
فيزياء-كيمياء	10.113	6- المغرب
علوم التغذية والتكنولوجيا	9.105	7- نيجيريا
خدمات المصنع	7.832	8- باكستان
هندسة كيميائية	6.384	9- الأردن
الطب العام والباطني	5930	10- الكويت

- المصدر: (Osma, 2005) عن (COMSTECH).

ملحق (4)

Arab Tech Startup companies get their chance at ArabCrunch Demo 09 to showcase new products, Organized by ArabCrunch and DART
<http://www.ameinfo.com/184351.html>

Egypt:

AlKhawarizmy Language Software startup: KSearch Embedded Arabic Search Technology that provides: Morphological search in order to provide comprehensive search results.

Jordan:

Ishki website: the first Arabic website that enables people in Jordan to share complaints or concerns online and search for solutions

Egypt:

eSpace: weNear a location based framework that competes with Yahoo's Fire Eagle, the platform is geared towards developers in order to use its API so they can develop location aware mobile applications in a range of devices including iPhone, Android and Symbian.

Egypt:

CitexSoftware: AdHere, the first Open Source Mobile Advertising Server built on top of the popular Online Open Source Ad Server

Jordan:

MailPacks: web based service. The startup is an auto-responder and mailing list manager that enables websites to create, send and track newsletter

Mehyar

Is also the founder of Feedoor, a feed content distributor for publishers and personal users

E-Marketing for MENA region.

ملحق (5)

جائزة نوبل في العلوم ونسبتها من المجموع حسب البلدان (1901-2008)

ملاحظات	النسبة المئوية	عدد الجوائز في العلوم	العدد الإجمالي المحصل عليه	البلد
		3	5	أرجنتين
		10	11	أستراليا
		17	22	النمسا
		0	1	بنغلاديش
		1	3	بلانوس
		5	11	بلجيكا
		1	2	البوسنة / هيرسيك
		0	1	بلغاريا
		12	17	كندا
		3	5	الصين
		0	2	التشيلي
		0	1	كولومبيا
		2	3	كرواسيا
		0	1	كوستاريكا
		4	6	جمهورية التشيك
		8	13	الدنمارك
مشتركة		1	4	مصر
		1	1	جزيرة فاراو
		2	3	غناند
		29	55	فرنسا

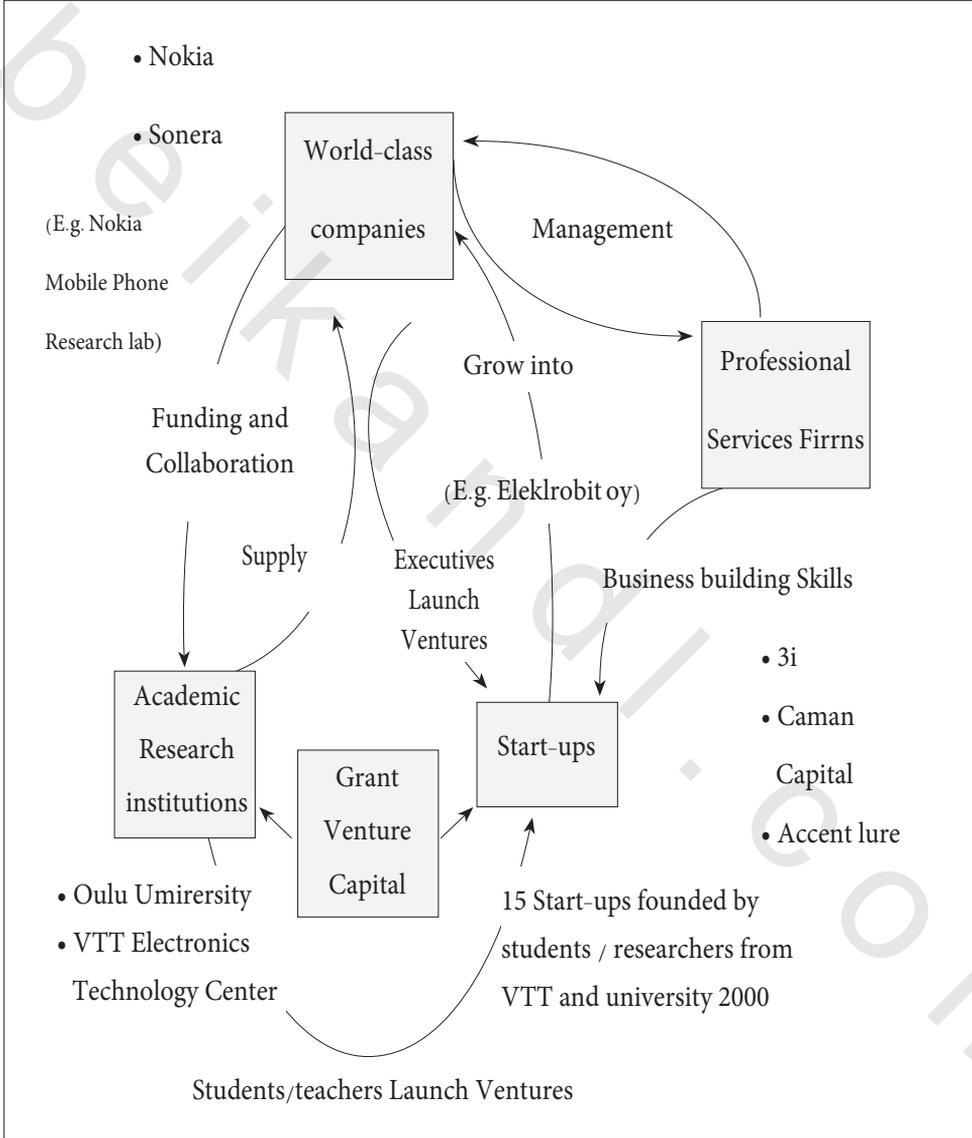
الابتكار التكنولوجي لتحقيق التنمية المستدامة وتعزيز التنافسية

ملاحظات	النسبة المئوية	عدد الجوائز في العلوم	العدد الإجمالي المحصل عليه	البلد
		78	95	ألمانيا
		0	1	غانا
		0	2	اليونان
		0	2	غواتي مالا
		9	12	هنغاريتا
		0	1	أسلا ندا
		5	9	الهند
		1	9	إيرلاندا
		2	8	إسرائيل
		12	20	إيطاليا
		0	1	جامايكا
		9	12	اليابان
		0	1	كينيا
		1	1	لاتفيا
		1	2	ليتوانيا
		1	3	المكسيك
		0	1	ميانمار
		15	18	هولاندا
	100 %	3	3	نيوزيلاندا
		0	1	نايجيريا
		3	11	المجر
	100 %	2	2	باكستان
مشتركة	0 %	0	1	فلسطين

ملاحظات	النسبة المئوية	عدد الجوائز في العلوم	العدد الإجمالي المحصل عليه	البلد
		7	15	بولونيا
	50 %	1	2	برتغال
	50 %	1	2	رومانيا
		13	22	روسيا
	100 %	1	1	سلوفاكيا
	100 %	1	1	سلوفانيا
	0 %	0	2	سانت لوسيا
		3	9	أفريقيا الجنوبية
	0 %	0	1	كوريا الجنوبية
		2	7	إسبانيا
		13	28	السويد
		20	25	سويسرا
	100 %	2	2	تايوان
	0 %	0	1	ترينيداد
	0 %	0	1	تركيا
	100 %	3	3	أوكرانيا
		80	114	المملكة المتحدة
		229	301	الولايات م. أمريكا
	100 %	1	1	فنزويلا
تتأزل	100 %	1	1	فيتنام

ملحق (6)

نموذج الشبكة العنقودية المعتمدة في فنلندا



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ملحق (7)

أهم 30 ابتكارًا شهدها العالم في السنوات الأخيرة

The list is as follows. in order of importance:

1. Internet. broadband. WWW (browser and html).
2. PC/laptop computers.
3. Mobile phones.
4. E-mail.
5. DNA testing and sequencing/Human genome mapping.
6. Magnetic Resonance Imaging (MRI).
7. Microprocessors.
8. Fiber optics.
9. Office software (spreadsheets. word processors).
10. Non-invasive laser/robotic surgery (laparoscopy).
11. Open source software and services (e.g., Linux. Wikipedia).
12. Light emitting diodes.
13. Liquid crystal display (LCD).
14. GPS systems.
15. Online shopping/ecommerce/auctions (e.g., eBay).

16. Media file compression (jpeg, mpeg, mp3).
17. Microfinance.
18. Photovoltaic Solar Energy.
19. Large scale wind turbines.
20. Social networking via the Internet.
21. Graphic user interface (GUI).
22. Digital photography/videography.
23. RFID and applications (e.g., EZ Pass).
24. Genetically modified plants.
25. Bio fuels.
26. Bar codes and scanners.
27. ATMs.
28. Stents.
29. SRAM flash-memory.
30. Anti retroviral treatment for AIDS.

ملحق (8)

تمويل الابتكار في منطقة شمال أفريقيا والشرق الأوسط

تطور متوسط نفقات البحث والتطوير كنسبة من الدخل القومي بين 1994 و 2002	البلد
0.26 - غير متوافر	موريتانيا
0.45-02	المغرب
0.70 - 0.3	الجزائر
0.82 - 0.3	تونس
0.60 - 0.22	مصر
0.64 - 0.28	الأردن
0.12 - غير متوافر	السعودية
0.04 - غير متوافر	الإمارات
04 - 0.22	الكويت
0.06 - غير متوافر	قطر
0.05 - غير متوافر	عمان
0.04 - غير متوافر	البحرين

- المصدر: (Dahmani, 2004).

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