

المحاضرات العامة

المحاضرات	الأقسام
Early Frontiers for 5G Gigabit Cellular Technologies.	الهندسة الكهربائية
Development of High Efficiency Microinverter for Solar PV Applications.	
Performance of Nth- Best Decode-and-Forward Relay Networks with Co-Channel Interference over Rayleigh Fading Channels.	
IEEE/IET Electronic Library and Saudi Digital Library (SDL).	
Real-Time Simulation and Control of Electric Power Systems, Power Electronics, and Motor Drives.	
Dielectric Integrated Microwave and Millimeter-Wave Pattern Reconfigurable Antennas.	
Modeling and Simulation of Smart Grid Integrated with Hybrid Renewable Energy System.	
COMPACT HIGH-GAIN MILLIMETER WAVE ANTENNAS FOR IMAGING AND WIRELESS COMMUNICATIONS APPLICATIONS.	

: دورات نظمت للطلاب

الأقسام	الدورات
الهندسة الكهربائية	<ul style="list-style-type: none">• دورة ماتلاب 1.• دورة ماتلاب مكثفة.• دورة لآب فيو.• دورة CST.
رحلات وزيارات علمية	✓

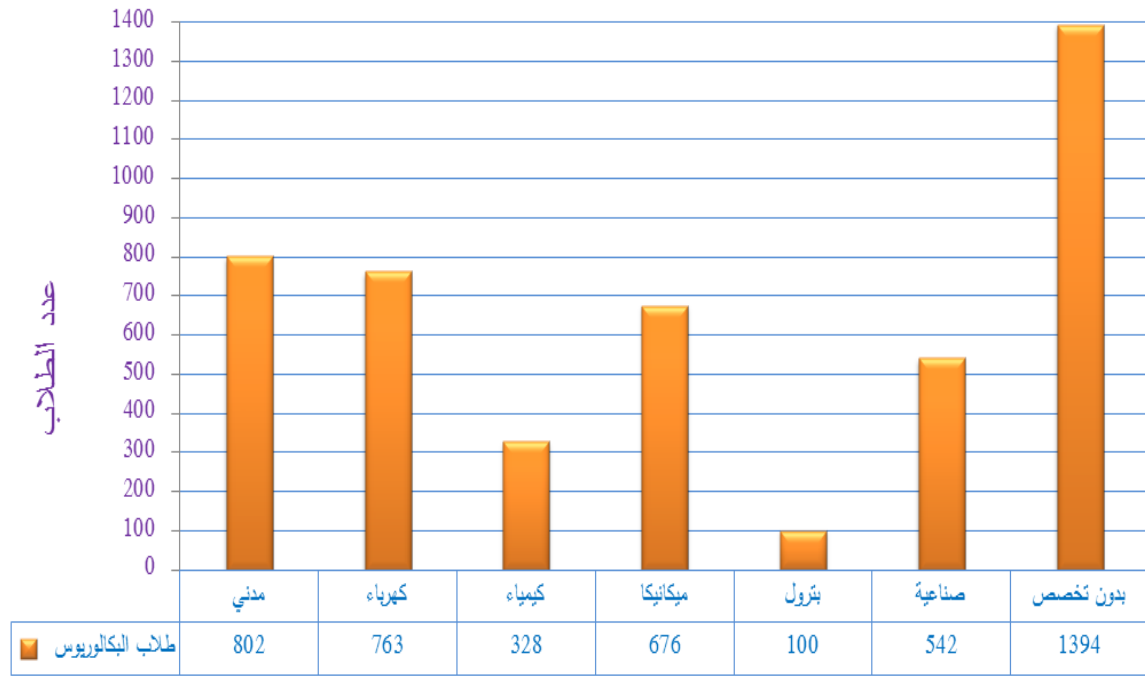
زيارة المحطة التاسعة للكهرباء 22/9/2014.

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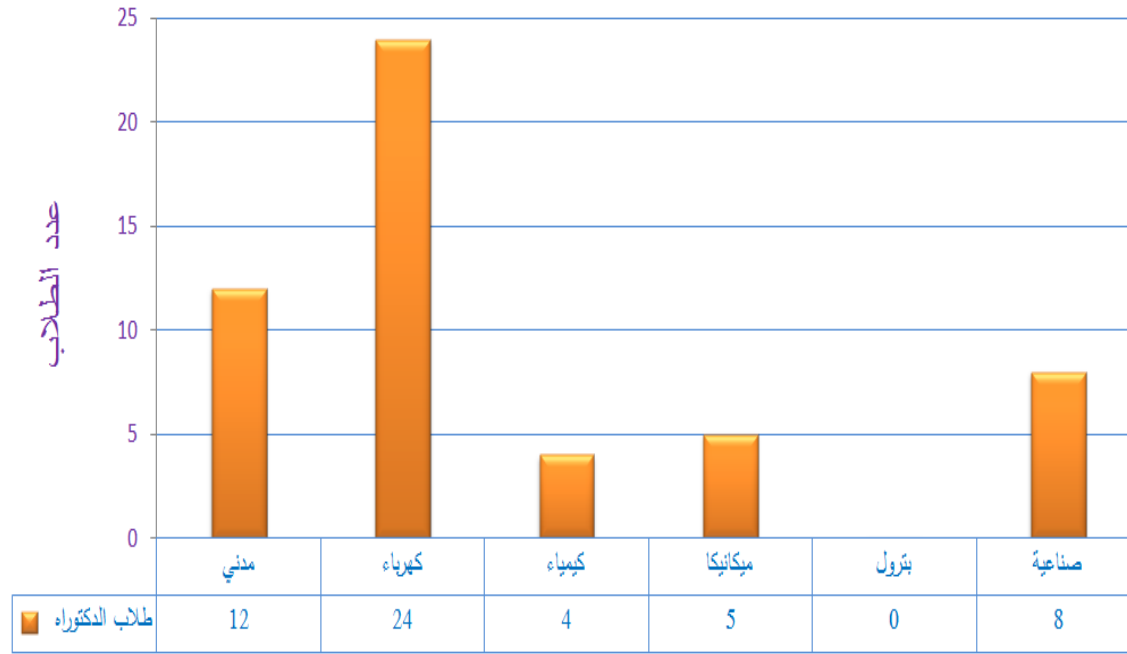
الهندسة الكهربائية

استشارات منسوبي الأقسام

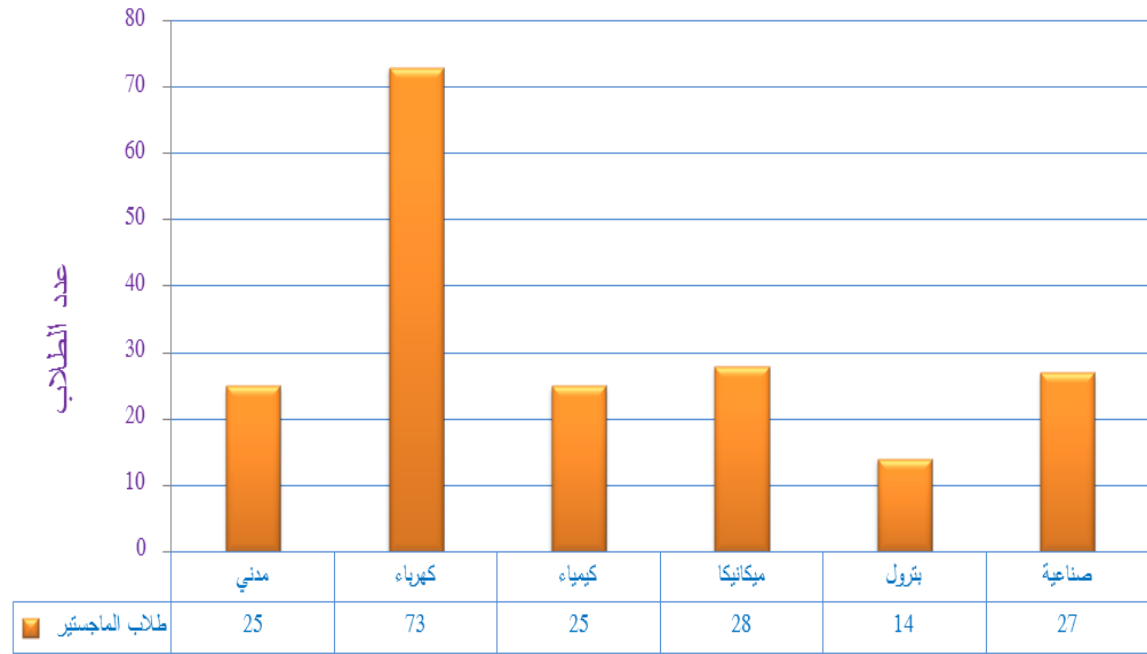
أ.د. خالد المعشوق	شركة الإلكترونيات	الهندسة الكهربائية
أ.د. عبدالله السويلم	وزارة التعليم العالي	
د. فهد التركي	المشرف على كليات الجامعة بالمزاحمية	
د. عبدالمحسن الهريش		
د. بندر المشاري	ندب - وزارة الداخلية	
د. عصام العمار	هيئة الكهرباء	
د. عبد الحميد المزروع	الندوة العالمية للشباب الإسلامي	
د. ياسر التركي	كلية المعرفة	
د. حمد بن صالح الحقييل	المشرف المساعد على كليات الجامعة بالمزاحمية	



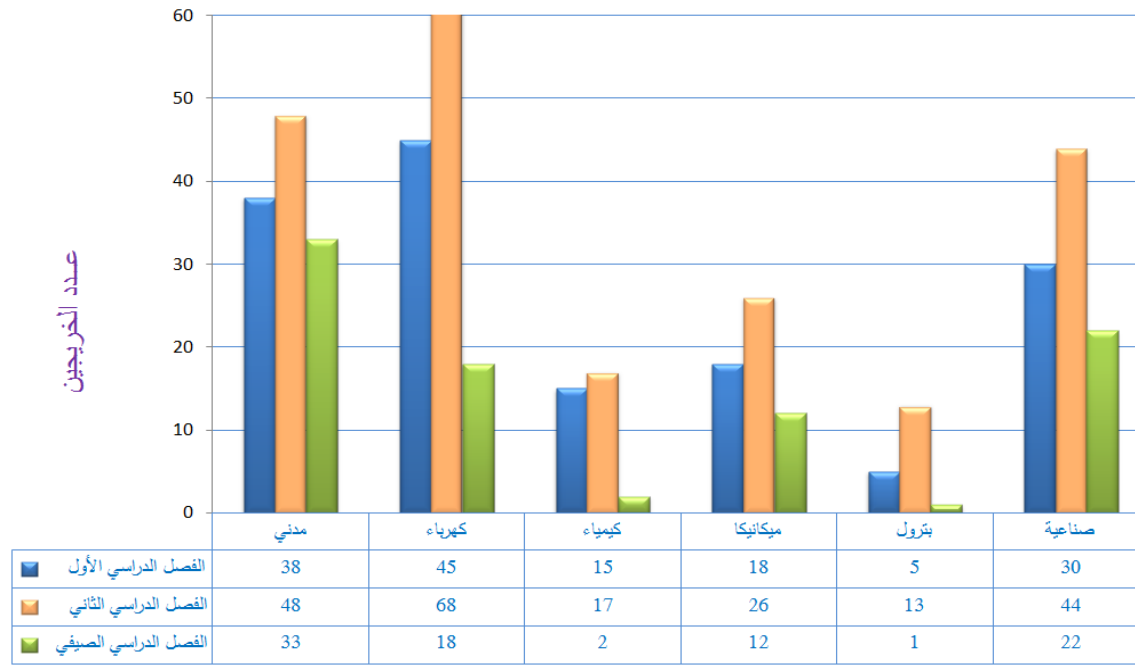
احصائية طلاب البكالوريوس



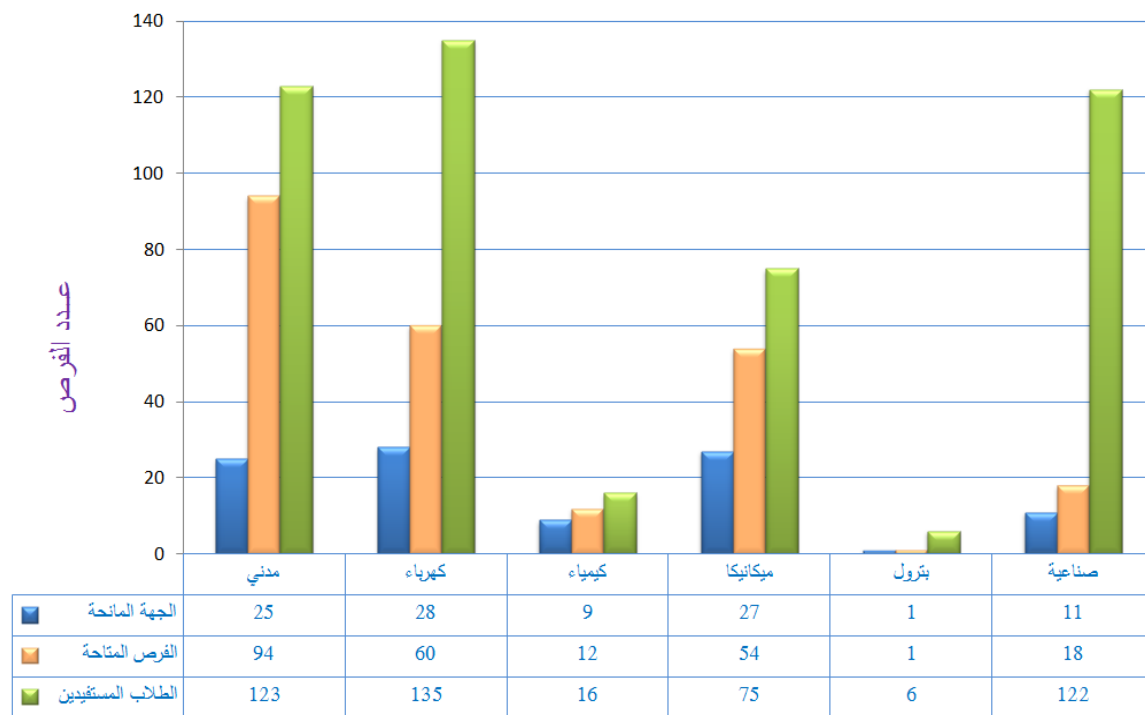
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احصائية طلاب الماجستير

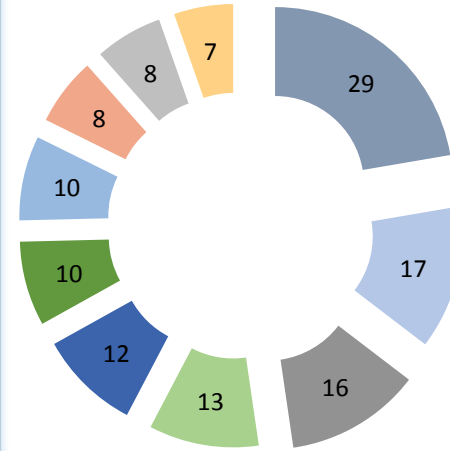
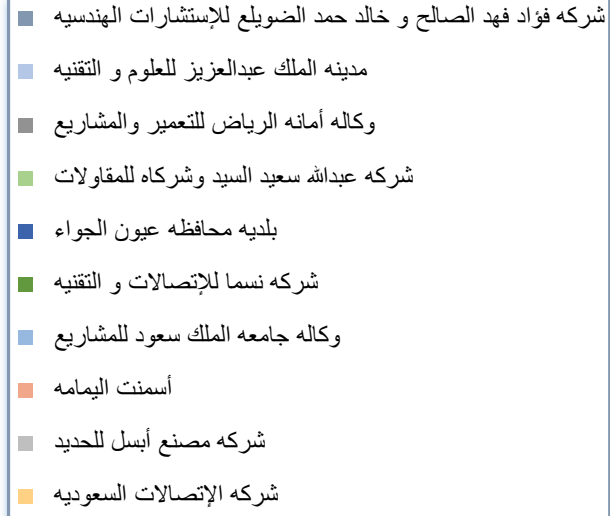


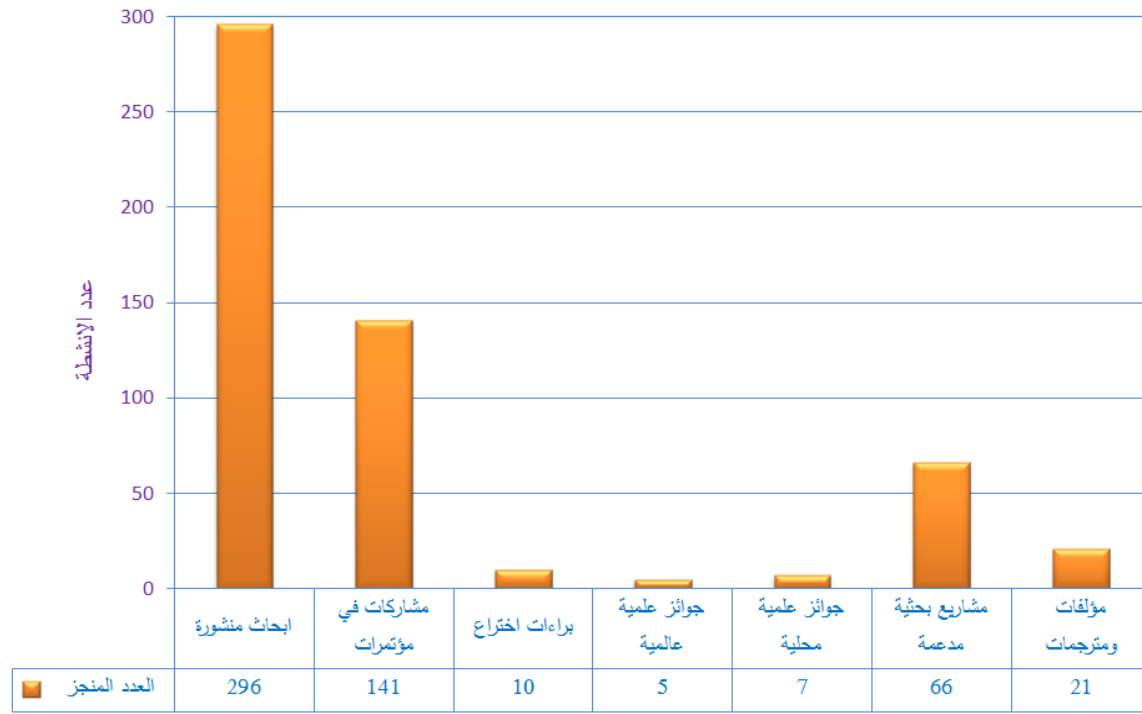
احصائية الخريجين (مرحلة البكالوريوس)



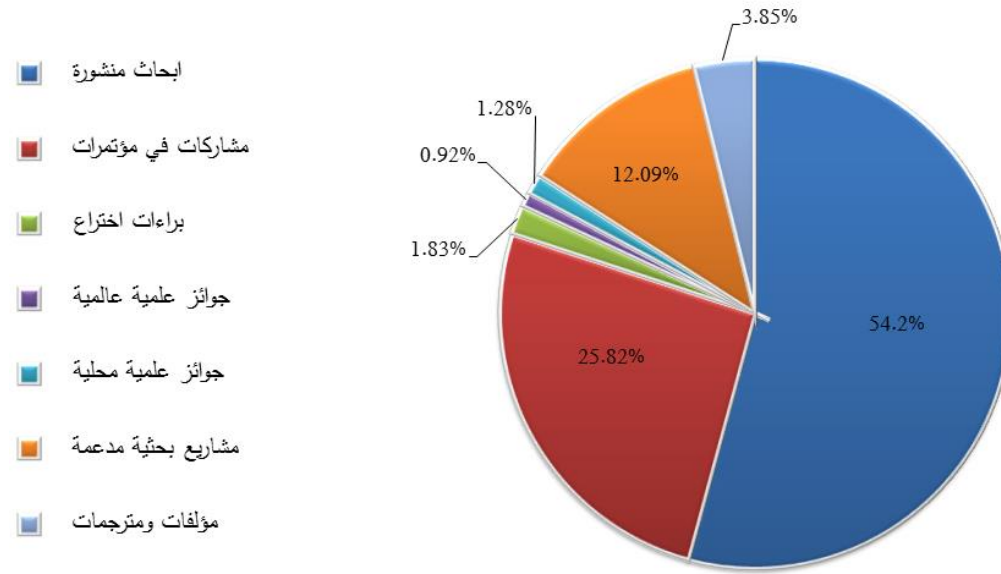
احصائية الفرص التدريبية

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انشطة أعضاء هيئة التدريس

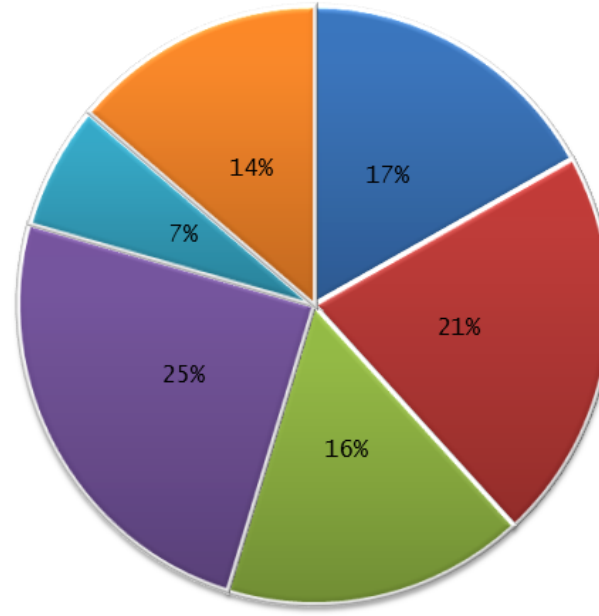


نسبة النشاط العلمي للعدد الكلي للأنشطة



احصائية الأوراق العلمية المنشورة

- مدني
- كهرباء
- ميكانيكا
- كيمياء
- بتروول
- صناعية



نسبة الأوراق العلمية المنشورة لكل قسم

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“الآثار الفنية والاقتصادية لتصحيح معامل القدرة لدى المشتركين الصناعيين”، ورشة عمل، الشركة السعودية للكهرباء، فندق هولندي إن، الرياض، 2014/4/7م.

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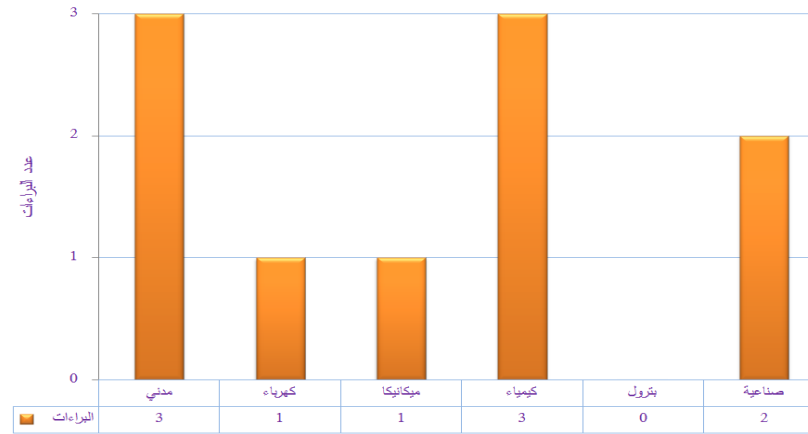
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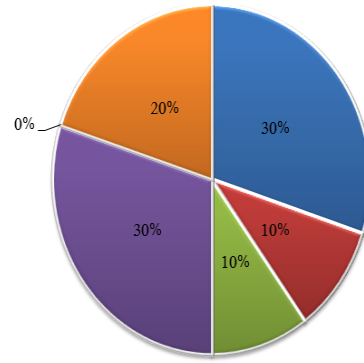
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1- GSM/GPRS based method, system and computer programs to determine and locate high impedance faults on medium voltage distribution networks in high resistivity Inventors: KHAN, YASIN, DR, AL-GHANNAM, SAMI H;. Owner name: K.S.U, SAUDI ARABIA. SAUDI ARABIAN OIL COMPANY, SAUDI ARABIA, Publication No: US20140077820 A1, Application No. US 14/026,815, Publication date: Mar 20, 2014.

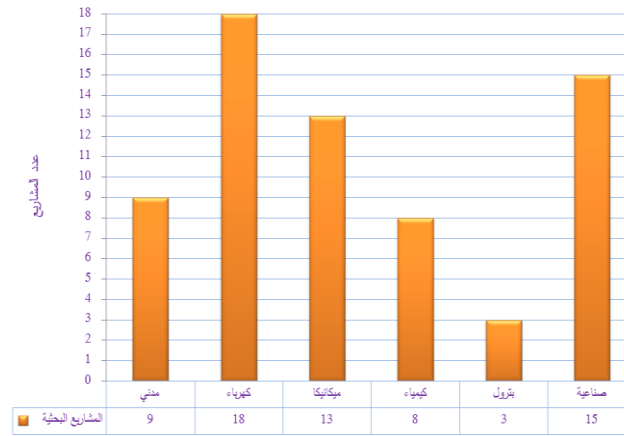


احصائية براءات الاختراع

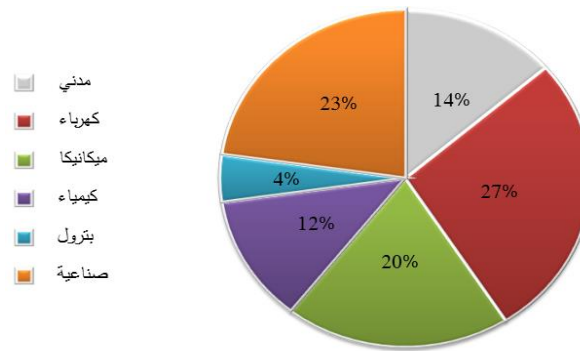
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- بترول
- صناعية



نسبة براءات الاختراع لكل قسم



احصائية المشاريع البحثية



نسبة المشاريع البحثية لكل قسم

قسم الهندسة الكهربائية

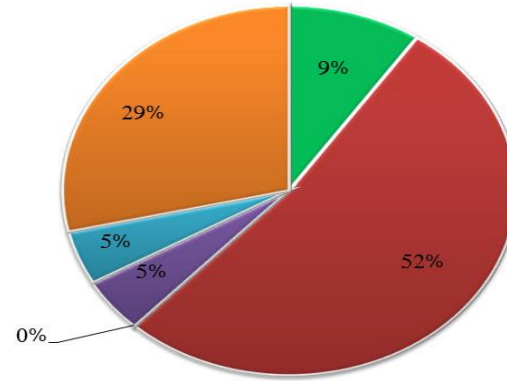
اسم المشروع	الباحثون	الجهة الداعمة	الميزانية المقدرة	مدة المشروع	تاريخ الإنهاء
انقطاعات الطاقة الكهربائية	عبد الله الشعلان عبد الحكيد العوهلي عصام العمار ياسين خان	مدينة الملك عبد العزيز للعلوم والتقنية	890 ألف ريال	سنة ونصف	1437-8
السلامة في التركيبات الكهربائية	عبد الله الشعلان	الهيئة السعودية للمواصفات والمقاييس والجودة	150 ألف ريال	ستة أشهر	1436-4
“Compact Planar Multi-Band Bandpass Filters with Enhanced Performance for Modern Wireless Communication Systems”	Zuhair M. Hejazi Zeshan Ali	Deanship of Scientific Research (DSR).	20,000 SR.	1 year	1435-1436
Automated Medical Support System for Epilepsy Patients	PI: Dr. Saleh Alshebeili Co-I: Dr. Fathi Elsayed	(KACST)	مركز الابتكار التقني للراديو والصوتيات	24 Month	Start Date: 6/1435
Compressive Sensing Based Processing for	PI: Dr. Saleh Alshebeili	(KACST)	مركز الابتكار	24 Month	Start Date:

12/1434		التقني للراديو والصوتيات		Co-I: Dr. Fathi Elsayed, Dr. Osama Haraz	Multiband/Multi-frequency Passive Radars
Start Date: 7/1435	24 Month	مركز الابتكار التقني للراديو والصوتيات	King Abdulaziz City for Science and Technology (KACST)	PI: Dr. Saleh Alshebeili Co-I: Dr. Fathi Elsayed, Dr. Osama Haraz, Dr. ohamed Ashraf	Design, Development, and Implementation of a Millimeter Wave Beamformer for 5G Mobile Communication Systems
6-1435 5-1437	2 years	SR 1.74 million	KACST	Hamsakutty Vettikalladi (PI) Majeed Alkanhal (Co-I)	79 GHz Short Range Radar Antenna Design for Next Generation Intelligent Automotive R
5-2014 4-2015	10 months	SR 17,500	Research Center, College of Engineering,KSU	Hamsakutty Vettikalladi (PI)	adar System 94 GHz innovative antenna design for next generation high speed Point to point fixed radio system
7-2014 7-2016	2 years	1.5 million Saudi riyal	NPST	Mubashir Alam (CI) Khalid Jamil (CI-PSATRI)	Development of a multistatic multi-waveform passive radar system (MMPRS) for ground and aerial target detection
10-2012 3-2014	30 month	1999830	National Plan for Science and Technology NPST	Ibrahim Elshafiey Abdelfattah Sheta Abdil-Raiz Sebak	Facility Development for Optimizing Tumor Ablation Treatment Plans Based on Electromagnetic Hyperthermia

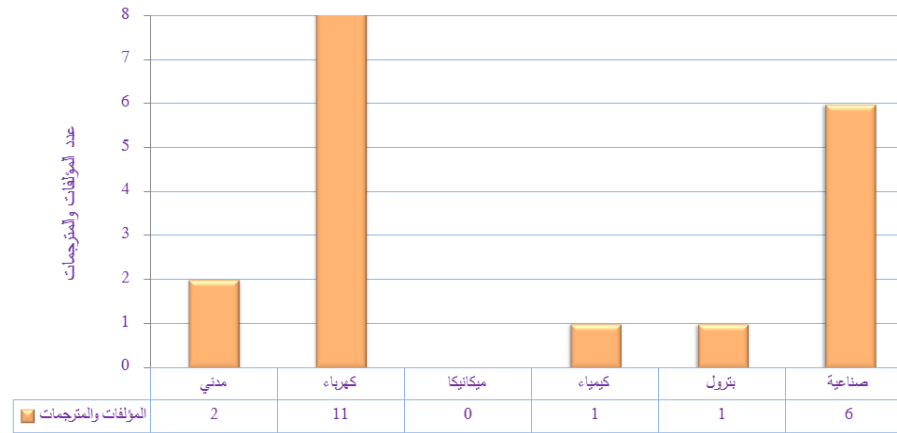
6-1434 6-1436	24 month	Under TIC	KACST-TIC	PI: Dr Habib Fathallah	Test-bed of Terabit Fiber Optical Communication System
12-1434 12-1436	24 month	Under TIC	KACST-TIC	PI: Dr Habib Fathallah	Simulation and Design Platform of Novel Optical Fibers for Next Generation Space Division Multiplexing Optical Communication Systems
7-1435 1-1438	30 month	Under TIC	KACST-TIC	PI: Dr Habib Fathallah	Prototyping a Novel Rectenna / Nantenna based Next Generation Green Energy Harvesting System at RF and Optical/Solar Frequencies.
6-1435 6-1437	24 month	1.8M SR	KACST	PI: Dr Habib Fathallah, Co-I: Dr. Mohammed Alouini,	Free Space Optical Communications Prototyping and Performance Assessment in Desert Environment
6-1435 6-1437	24 month	1.5M SR	KACST	PI: Dr. Irfan Memon, Co-Dr.Habib Fathallah	Prototyping a Tunable Millimeter-Wave Synthesizer using Photonics
	24 Months	SAR 1,759,699	National Science, Technology and Innovation Plan	Sohaib Dr. Majzoub Dr .Mohamed Ramy	CMOS Readout integrated circuits (ROICs) for infrared microbolometers
	24 Months	SR.	Saudi Electricity	A. A. Al-Arainy,	"Cable condition Assessment Using partial

		1,764,706	Company	N. H. Malik and N. R. Wani	discharge techniques to predict cable faults”
	24 Months	SR. 1,647,059	Saudi Electricity Company	Yasin Khan, A. A. Al-Arainy, N. H. Malik and Uzair Ahmed	“Non Tripping of long overhead line feeders”

- مدني
- كهرباء
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- كيمياء
- بترول
- صناعية



نسبة المؤلفات والمترجمات لكل قسم



احصائية المؤلفات والمترجمات

قسم الهندسة الكهربائية

المؤلفات

"ترشيد الطاقة الكهربائية"

البرنامج السعودي لكفاءة الطاقة، مدينة الملك عبد العزيز للعلوم والتقنية، المملكة العربية السعودية

المشاركة في تأليف قسم من مجموعة المواصفات القياسية السعودية. "Saudi standard SASO 60335-2-40".
لتحسين أداء المكيفات ورفع من كفاءتها. الهيئة السعودية للمواصفات والمقاييس والجودة.

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F. R. Pazheri, M. F. Othman, N. H. Malik, A. A. Al-Arainy and Y. Khan, "Optimum Power Dispatch Management in Presence of Renewable Energy and Energy Storage", e book; ISBN: 978-0-9886890-4-6, Energy and Power , Science and Technology Publishing Inc, www.scitecpub.com , 2014.

المتجمات

ترجمة ملخص لكتاب "توليد القدرة الكهربائية من الطاقة الشمسي: أنظمة الطاقة الفولتضوئية" تأليف: ستيفان سي. دبليو. كراوتر ، من إصدارات مدينة الملك عبد العزيز للعلوم والتقنية (1434 هـ).

ترجمة جزء من متطلبات المواصفة القياسية السعودية (SASO 60335-2-40 "Saudi standard) للهيئة السعودية للمواصفات والمقاييس والجودة، مطابع الهيئة، المملكة العربية السعودية.

ترجمة الجزء الخاص بـ "اشتراطات متطلبات السلامة في كود البناء السعودي"، وزارة الشؤون البلدية والقروية، 2014م.

قسم الهندسة الكهربائية

اعتمدت / نوقشت Endorsed/ Presented	اسم المشرف Supervisor name	اسم الطالب Student Name	عنوان رسالة الماجستير Title of Master Thesis	م
Presented	عبد الله محمد الشعلان	وكيل أحمد	Appropriate Electric Energy Conservation Measures for Grand Mosques in Riyadh City	1
Presented	يوسف التركي (جامعة الملك عبد العزيز - جدة)	عبد الرحمن الشريف	طريقة مثلى لتخطيط القدرة غير الفعالة في نظم القوى الكهربائية	2
Presented	Dr. Hamsakutty Vettikalladi & Dr. Majeed A. S. Alkanhal	Nadeem Ashraf	Substrate Integrated Waveguide Antennas for 60 GHz High Speed Communication	3
Presented	Dr. Zuhair M. A. Hejaz	Zeshan Ali	Compact Planar Multi-Band Bandpass Filters with Enhanced Performance for Modern	4

			Wireless Communication Systems	
Endorsed	Dr Basil AsSadhan (Advisor) and Dr. Saleh Alshebeili (Co-advisor)	Khan Zeb S. Khan	Self-Similarity and Long Range Dependence for Network Traffic Analysis, M.Sc Thesis	5
Endorsed	Dr Musaed Al-Hussein (Advisor) and Dr. Saleh Alshebeili (Co-advisor)	Taghreed Saad Aloffaisan	PN Code Acquisition Using Smart Antenna and Adaptive Switching Thresholding for DS/CDMA Mobile Communications	6
Presented	Hamsakutty Vettikalladi	Waleed Tariq Sethi	Millimeter wave antenna Design for wireless communication	7
Presented	Hamsakutty Vettikalladi	Nadeem Ashraf	Substrate Integrated Waveguide Antennas for 60 GHz High Speed Communication Systems	8
Endorsed	Mubashir Alam	Muhammad	Enhanced Nearfield 3D	9

		Naveed Tabassum	EM Imaging using Compressed Sensing	
Endorsed	Ibrahim Elshafiey	Maged Abdullah Aldhaeebi	Localization of Microwave Energy for Hyperthermia Treatment of Brain Tumors.	10
Endorsed	Ibrahim Elshafiey	Mohammed Abdullah Alzabidi	Development of UWB Applicator Array for Hyperthermia Treatment and Microwave Imaging of Brain Tumor.	11
Endorsed	Dr Habib Fathallah	Ziyad Ahmad Almatroudi	Performance Investigation of Complex Modulated Data over SPC–OCDMA Channel.	12
Endorsed	Prof. Shuja Ahmad Abbasi	Nouh Asiri	Optimized Hardware Realization of Multiplication Based on Vedic Mathematic Using CBIC	15

اعتمدت / نوقشت Endorsed/ Presented	اسم المشرف Supervisor name	اسم الطالب Student Name	عنوان رسالة الدكتوراه Title of PhD Thesis	م
Endorsed	Dr. S. A. Alshebeili (Advisor)	Mohammed Hadi	Compressed Sensing Based Processing for Multiband/Multi-frequency Passive Radars	1