

CHE NEWSLETTER

September 2017



Issue 8

CHE NEWSLETTERS

Issue 8, September 2017

*My Gateway to
Research*
page 5 - 7

*14th Plant
Design Contest*
page 8 - 9

*ChE Department
Activities*
page 10 - 19

*ChE Faculty
Highlights*
page 20

*ChE Students
and Alumni
News*
page 21 - 28

QU Honors the Winners of the 2nd ChemE Car Competition for High Schools and QU Students



Qatar University (QU) chemical engineering teams Q-CAR, the Professionals and MadMax won first, second and third places in QU Teams category on Sat 29 April at the closing ceremony of the 2nd ChemE Car Competition.

Omar bin Abdulaziz Independent Secondary School, Jassim bin Hamad Independent Secondary School, and Khalifa Secondary Independent School were named first, second and third place winners in schools category.

The competition was sponsored by Oryx GTL and was organized by College of Engineering (CENG) at QU and the Department of Chemical Engineering in collaboration with its AIChE (American Institute of Chemical Engineers) student chapter. All in all twelve Qatari Independent high schools and six QU teams participated in this year's event.

This is the 2nd year to host the ChemE Car competition that aims to motivate students through innovation and creativity to pursue careers in engineering fields and particularly chemical engineering.

The rules of the competition are that each participating team needs to design a small car and operate it using some chemical operations. The car should be able to carry a load (0-500g) of water for a distance of 15-30 meters. The challenge is that teams are only provided the load and distance 1 to 2 hours before the competition time.

Starting in Dec 2016 and through Apr 2017, the Department of Chemical Engineering team offered several sessions for participating schools to guide them on competition rules, safety regulations and guided them in their car designs and calibration tasks. Commenting on the competition, **CENG Dean Dr Khalifa Al-Khalifa** said "the ChemE Car Competition is one of the College's initiatives that is organized with industry to reach out to school students and motivate them to join engineering careers and become tomorrow's leaders in this important sector".



“I would like to thank Oryx GTL for being a part of the competition for the second year; their continued commitment represents the industry trust in CENG programs, initiatives and outputs”.

AIChE
Chem-E-Car Competition



Head of Department, Prof Majeda Khraisheh said, “ the ChemE Car Competition which is managed and organized by the Department of Chemical Engineering aims to help students understand some principles of chemical engineering and it hones their interests towards science and engineering disciplines for future education”.



List of Participating High Schools 2016-17 ChemE Car Competition

- Abdullah Bin Ali Al Misnad Independent Secondary School for Boys
- Ahmad Bin Hanbal Independent Secondary School for Boys
- Al Doha Independent Secondary School for Boys
- Al Wakra Independent Secondary School for Boys
- Ali Bin Jassim Bin Mohammed Al Thani Independent Secondary School for Boys
- Ibn Taymiyyah Independent Secondary School for Boys
- Jassim Bin Hamad Independent Secondary School for Boys
- Khalifa Independent Secondary School for Boys
- Mohammad Bin Abdulaziz Al Mana Independent Secondary School for Boys
- Omar Bin Abdul Aziz Independent Secondary School for Boys
- Omar Bin AlKhattab Independent Secondary School for Boys
- Tariq Bin Ziyad Independent Secondary School for Boys

Event Sponsor: OryxGTL

COMPETITION



أبحاثي – My Gateway to Research” (May 15, 2017) 3rd Annual Student Research Day



The Department of Chemical Engineering at Qatar University organized the 3rd annual student research event called “أبحاثي – My Gateway to Research” which was held on Monday, May 15th, 2017 at Qatar University Research Complex. The research day is a showcase of ongoing research activities and targeted student body of the Department of Chemical Engineering including both undergraduate and graduate levels. The event attracted over 100 students, postdocs and faculty members with activities related to oral presentation, video and posters competitions as well as the drawing of the next year plant design groups. With a generous support from the college of engineering, graduate and undergraduate students participating in this year event were competing on different prize categories (Best Video, Postdoc Researcher, Postgraduate Researcher, Undergraduate Researcher, Oral Presentation and Plant Design).





Dr. Majeda Khraisheh, the Head of the Department of Chemical Engineering at Qatar University indicated that this event shows strong commitment of our faculty and students to scholarship and offer an opportunity for the ChE faculty and undergraduate students and other researchers to share their current research, industrial collaboration, and new achievements. **Dr. Khraisheh** also highlighted that the major part of the presented work is in collaboration with local industries which reflect the close relationship between ChE and Qatari industry.

There were also oral presentations delivered by the post-doctorate research fellows covering wide range of exploration from basic science to chemical and environmental engineering. The undergraduate student participated in a video competition highlighting the importance of chemical engineering in our daily life, along with sharing their experience as a chemical engineering undergraduate at Qatar University. Over 60 posters were presented which are related to the categories of graduation projects, capstone design course outputs and design innovation in chemical engineering, student individual research projects, and undergraduate research experience program (UREP).

The event concluded with a light lunch and announcement of winners as listed below.



'Abhathi' 2017 Award and Certificates

Best Chemical Engineering video:

Group 1: Aliya Banu, Arwa AlAhtem, Aldana AlKubaisi

Group 2: Afsaneh Daneshvar, Maryam Sabokzei, Roba Almuhtaseb, Shahrzad Zarei

Undergraduate winners

First Prize

Students : Arwa Javed, Ayman Arif, Fizza Usmani

Title: Thermodynamic Analysis of Solar Driven SnO_2/SnO Based Thermochemical Water Splitting Cycle

Second Prize

Students: Amara Rehman, Navaira Fathima, Namra Mir

Title: CO_2 Capture Using Aqueous Potassium Carbonate Promoted by Ethylaminoethanol-A Kinetic Study

Third Prize

Students: Rem Abraham Jalab, Samara Waheed

Title: Purification of T.S.E. Using Membrane Distillation and Solar Power

Plant Design Winners - Male Group:

First Prize

Students: Mohammedali Saleh, Hossam Eldin, Albert Odai, Salim Ben Zakour

Second Prize

Students: Mohammed Saad Anis, Mohammed Hamza Usmani, Mohammed Saad, Jaber Rajab

Plant Design Winners - Female Group:

First Prize

Students: Afsaneh Daneshvar, Maryam Sabokzei, Roba Al-Mohtaseb, Somayeh Rahimi Fard

Second Prize

Student: Asmaa Mohamed, Deema Alhams, Reem Jamil Azzam, Afnan Alkhatib, Mona



14th Annual ChE Plant Design Contest



The 14th Annual Chemical Engineering Plant Design Award Contest took place on Thursday May 25th, 2017 in Qatar University. Our graduating students showcased their design and presentation skills in front of an audience of people from industry, parents and members of Qatar University.

Plant design is an important component of the chemical engineering curriculum and we made it our flagship of excellence in teaching and learning with input from our industry partners who have been supporting this design competition for the past 14 years. The industrial judging panel included Mr. Fawaz Matar Al Shammari from RasGas, Mr. Saleh Abdulla from QChem and Mr. Syed Mujib Ahmed from QVC.



The 2017 winners of the **first place** were the **"VCM Team"** a group that is made up of Asmaa Othman, Afnan Alkhatib, Deema Alhams, Reem Jamil Azzam and Mona Albatarni. The groups which took the **second and third places** were the **"Ethylene Team"** (composed of Kaltham Al-Banai, Reem Sameer Azzam, Taif Alsalama, Tasneem Sid Ahmed) and the **"LNG" team** (composed of Majed Husein Munasser, Jabr Al Obaidly, Mohammed Al-Sadi, Saad Zain).

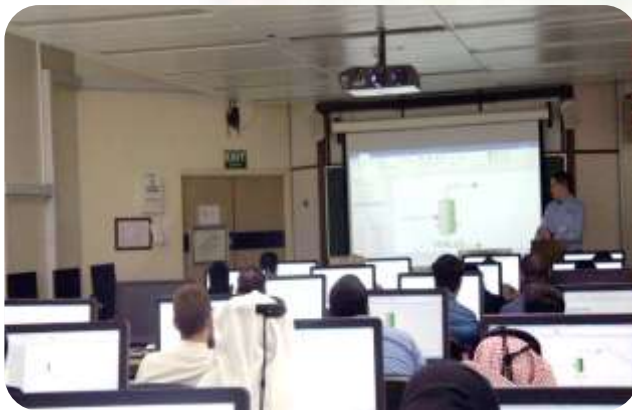


Training Course on ProMax Simulation Package (February 7-9, 2017)



ACTIVE
LEARNING

TRAINING



The Department of Chemical Engineering in collaboration with Bryan Research and Engineering conducted a training course on the use of the oil and gas industrial simulation software “ProMax” for chemical engineering faculty and professional chemical engineers from local industry at Qatar University on February 7th-9th, 2017. The collaboration with Bryan Research was initiated by **Dr. Essa Al Musleh** who saw a benefit introducing ChE faculty and the local chemical engineers in Qatar to the powerful simulation package. The training was delivered by **Eng. Donnie Worth**, a consulting engineer at Bryan Research and was widely attended by ChE faculty and engineers from the local oil and gas industry and research institutes such as RasGas , Dolphin Energy and QEERI.

The training course was designed to provide background understanding of how ProMax and Bryan Research & Engineering, Inc. approach process simulation. The basics of process modeling and process optimization within the Oil & Gas Processing field were covered in this course, with exercises more focused on Sour Gas Processing.

Software



The course aimed at allowing the attendees to see the extent and breadth of applications for ProMax and the benefits it can provide, as well as an opportunity for hands-on learning with the program. The training course environment was interactive allowing the attendees rooms for question and answers and open floor for discussions.

ChE Team Meeting with 'Asghal'



ChE Industrial Outreach Committee (IOC) had a meeting with a team from the Public Works Authority 'Ashgal' at the Department of Chemical Engineering on March 21st, 2017. The meeting focused on establishing good relationship and future collaborations in research between ChE and 'Ashgal'.

The meeting was followed by a guided tour in ChE research labs to introduce 'Ashgal' team to the various research activities of the department.



قطر تستحق الأفضل
Qatar Deserves The Best



كلية الهندسة
College of Engineering
QATAR UNIVERSITY جامعة قطر

Qatari Chemical Engineering Faculty and Students Visit Local Qatari High Schools

“Encouraging Students to Pursue Careers in Engineering”



April 17-19 & May 1-3 , 2017

A team of Qatari faculty and students from the Department of Chemical Engineering visited four local high schools during the period from April to May 2017. The visited schools were targeted for their high numbers of Qatari students enrolled in the engineering path. The list included: Omar Ibn Alkhtab Independent School, Omar Bin Abdul Aziz Independent School , Al Doha Independent Secondary School and Qatar Independent Technical School.

The visit had a number of objectives that included meeting high school students and informing them about the importance of engineers and how engineers contribute to the Qatari economy. The visit also gave insight into what is a chemical engineer and what is their role in industry. The team from the Department of Chemical Engineering was made up of senior and junior Qatari male students and they were: Majed Mahmoud, Hussain Mohamed and Khaled Alnaimi. Chemical Engineering faculty, Dr. Essa Al-Musleh, Dr. Saad Al Sobhi, Dr. Mohammed Ali Saleh and Mr. Khalid Aljamal accompanied the students.

The three QU chemical engineering students gave a half-hour presentation and later let a discussion with the high school students on their aspirations as engineers. The presentation was well attended by the school students in addition to some of the school's teachers. The faculty team brought awareness for school's Qatari students about foundation program and how it equips students to enter engineering college.

The event made a good impression among the students. **Dr. Mohamed Ali Saleh** found the visits to be successful in achieving its goals and later he added "There is a need to have more school visits to clarify the picture of chemical engineering specialization among high school students".





AICHE Student Seminar Series

March 22nd, 2017

Department of Chemical Engineering



The Department of Chemical Engineering welcomed its Alumnus Eng. Ahmed Al-Sulaiti on March 22nd, 2017 as the AIChE seminar speaker. He gave an engaging talk on “Surveillance Engineering Rules and Responsibilities in Operating Company”. The seminar student series was initiated with the objective to give chemical engineering students idea about what to expect in industry after graduation.

The students enjoyed the talk and had excellent discussions around the challenges that engineers face when they first enter the work force. Eng. Ahmed highlighted the importance of the undergraduate education and made several references to fundamental chemical engineering principles they use on a daily basis.



Eng. Ahmed obtained a Master’s degree in business administration from Plymouth University in UK. In 2010, he joined RasGas company working under operations department as NDP. Later in 2012 he moved to work in engineering department as process surveillance engineer under Train 3/4/5 AGI asset where he maintained the trains reliability and managed to minimize the flaring during the trains startup. In 2014 he was appointed to the operation expansion department as commissioning and startup engineer where he led successfully Barzan Train 1 commissioning and startup achieving Zero acid gas flaring.





ChE Job Well Done Event "كفيتو ووفيتو ما قصرتو"



May 21, 2017

The Department of Chemical Engineering and the AIChE Student Chapter organized and hosted the End of Year – Job Well Done event that was given the warm arabic title "كفيتو ووفيتو ما قصرتو" . . . The event aimed at giving the ChE graduating students a warm farewell as well as to honor, appreciate and sincerely farewell ChE faculty who were leaving Qatar University after years of great services in ChE department. The event was held separately for male and female students on May 21, 2017 and was widely attended by ChE students from the different batches.



The event started by a short presentation given by the AIChE officers who briefly introduced the student chapter and its various activities and encouraged students to participate in. The presentation was followed by short entertaining segments prepared and presented by AIChE members and the graduating students. The segments created a joyful and enjoyable atmosphere for the graduating students as well as the department faculty and staff.

It was then time to honor our graduating students where the floor was given to **the Head of Department Dr. Majeda Khraisheh** who gave a motivating word to the students and wished them a bright future and presented them with certificate of recognition.





The event was also an opportunity to thank and honor our precious faculty members **Dr. Mert Atilhan and Dr. Farid Benyahia** at the end of their service at QU. A warm hearted 'Thank You' was dedicated to them from the ChE family in appreciation of their excellent services in both teaching and research throughout the years. The ChE family presented them with a simple gift as a token of our sincere appreciation.



In addition, the event also hosted the ChE International Cuisine , where faculty and students brought a variety of traditional dishes from their mother land to share their culture through food. Some participants has also put on their traditional customs and humbly exchanged knowledge about their cultural background. It was such a joyful friendly environment.



The event ended with shooting some memorial photos of ChE faculty and students. It was such an event that will never be forgotten.



Thank You Prof. Ramazan Kahraman



The chemical engineering family joined in a special gathering dedicated to appreciate and thank **Dr. Ramazan Kahraman** for his great leadership and services in the Department of Chemical Engineering during his term as a Head of Department. Dr. Ramazan has been an essential part of our department before and during his Head of Department position. He was so dedicated, hardworking and a solid supporter for ChE department. The ChE family, faculty and staff; attended the gathering to show their sincere appreciation to Dr. Ramazan. On behalf of ChE family, the new Head of Department **Dr. Majeda Khraisheh** thanked Dr. Ramazan for the great years of successful leadership and presented him with a simple gift as a token of gratitude from ChE family. A special 'Thank You' cake was dedicated to celebrate the occasion and was blissfully shared by all the attendees.

Lots of appreciation to Dr. Ramazan. We wish him all the Best.



Thanks!



integrity
mission care responsibility inspiring
character credibility honesty others values
vision
leadership



Promotion of Dr. Mohammed Al Marri



Proud of his great work and dedication, the chemical engineering family offers the warmest congratulations to **Dr. Mohammed Al Marri** for his timely promotion to the rank of Associate Professor. It was such a great news to rap-up the year with. We wish Dr. Mohammed continued success in his career.

CONGRATULATIONS
ON YOUR PROMOTION



Eng. Dana Abdeen's Work on Corrosion Receives Recognition



ChE teaching assistant **Eng. Dana Abdeen** has recently successfully published a paper on her research on corrosion. The paper titled "*Corrosion Evaluation of Ti-6Al-4V Parts Produced with Electron Beam Melting Machine*" was published in Rapid Prototyping Journal and has been selected by the journal's editorial team as a Highly Commended Paper in the 2017 Emerald Literati Network Awards for Excellence.

Congratulations to Eng. Dana on the great recognition of her work. Best wishes of continued success in her research.



ChE Project Wins the 3rd Place in Qatar National Research Fund Competition



ChE Students team competed in the Qatar National Research Fund's (QNRF) 9th Annual Undergraduate Research Experience Program (UREP) competition. The team project titled *"Involvement of Qatari Undergraduates towards Conversion of CO₂ into Solar Fuels"*, supervised by ChE faculty member **Dr. Rahul Bhosale** was selected among the top four finalists and the team was to produce oral presentation of the project. The team delivered the successful public presentation in front of the panel of judges that wins them the third place in the competition. The winning team members are: Deema Alhams, Afnan Alkhatib, Arwa Ahmed, Aliya Banu, Nour Mardini and Noor Naser.



In addition to the oral presentation winning team, ChE students participated in the poster completion with projects supervised by ChE faculty members **Dr. Majeda Khraisheh** and **Dr. Farid Benyehia**. The posters were displayed and briefly explained by the students to the attendees and were judged during the competition day.

Congratulations to ChE students, winners and participants; the ChE department is proud of their successful experience.



ChE Graduate Student Participation in FameLab Competition

Chemical engineering graduate student, Mona Gulied is participating in the British Council FameLab competition sponsored by Qatar Foundation.

FameLab competition is a contest in which a contestant speaks to the audience for three minutes about a high impact subject for humanity. The competition was held for the first time in the UK 2005. In 2007 a partnership with the British Council was started to help in the organization of the competition. The contest has become global with thousands of young engineers and scientist participating from over 25 countries around the world.

FameLab Qatar is supported by UK partners of the British Council; the Department for Business, Energy and Industrial Strategy (BEIS), the UK Science and Innovation Network (SIN) and the Foreign and Commonwealth Office (FCO). In addition to QF, the competition is also supported by the local partners; the Ministry of Education and Higher Education, Qatar University and Hamad Bin Khalifa University.

Our graduate Mona is participating in the completion with a presentation on the use of forward osmosis technique to treat wastewater and produce high quality water, titled "*Producing Safe Drinking Water for Poor Communities by Using Energy Efficient Forward Osmosis Technique*".

We support Mona and wish her the Best of Luck !



ChE Alumni & ChE Student Win Awards at the QU 2017 'Takreem' Event

ChE student Amro Behis wins the QU 2017 Student Leadership Award for the second year running. Amro was presented with the award and honored at the QU 2017 'Takreem' event. The leadership award comes as one of the prestigious non-academic student life awards that are presented yearly in a ceremony attended by the President of Qatar University **Dr. Hassan Al-Derham**. The ceremony aims at recognizing and rewarding students actively participating and engaging in student life and activities. This year's ceremony was held on May 10, 2017 at Ibn Khaldoun Hall at QU where Amro was recognized for the second year in rows as an outstanding leader.



Another success was achieved by ChE alumni Eng. Moustafa Ali who was presented with the QU Alumni Leadership Award during the same event. The award was presented to Moustafa due to his contributions throughout the bachelor's degree and as one of the alumni leaders who influenced the student life in Qatar University in the last 4 years.



Congratulations to Amro Behis and Moustafa Ali. The ChE family is very proud of you.



ChE Alumni Eng. Haneen Wins the 2017 ORYX GTL Post Graduate Student Award May 9, 2017



Eng. Haneen Abdulrazik who graduated from the Department of Chemical Engineering in 2013 was one of the esteemed 4 winners of the ORYX GTL 2017 awards for the advancement of post-graduate education in Qatar. The award recognizes outstanding individuals as future thought leaders who will contribute to building Qatar's knowledge and economy and were all educated in Qatari institutions of higher learning. The selection of the winners was based on the evaluation of their research experience and published work in the area of 'Energy Industry' in Qatar and the gulf region. Eng. Haneen who has recently obtained a master's degree in materials science & technology from Qatar University, won the first award for the Master Students Category. She received the award at the Abdullah Bin Hamad Al-Attiyah International Foundation Energy Elders Forum that was held on May 9, 2017 at the Sheraton Doha Hotel, Qatar. Congratulations to Eng. Haneen on the great achievement. The Department of Chemical Engineering wish her the brightest future.



ChE Students Receive Awards at the Honor's Program End of Year Event May 23, 2017

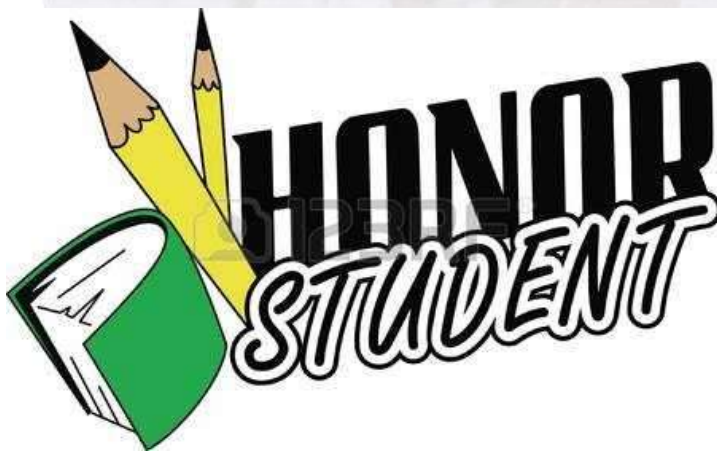
ChE exceptional honors students have been acknowledged by the Honors Program on the end of year event that took place on Tuesday May 23, 2017.

The annual event aims to acknowledge the students' hard work and accomplishments during the academic year. The event was attended by the Honors Program director **Dr Majeda Khraisheh** who congratulated the students' on their outstanding achievements and presented them with the awards.



ChE student Amsa Othman won the best services award in appreciation for her great services through the academic year 2016 – 2017. In addition a group of ChE graduating students were recognized during the event for their high academic performance and were awarded the 'Graduate with Distinction' award. These are: Asmaa Othman Mohamed, Deema Ahmad Alhams, Afsaneh Mohamed Ali Daneshvar and Reem Jamil Azzam.

Congratulations to our ChE Graduating Honor's Students. We wish them success in their future.



Get to Know AIChE Members: A Close-Up



In AIChE we discovered that our students are not any regular students but individuals with interesting and exciting hobbies which they partake in. We have selected the following two students to illustrate their involvement in tasks that develop their character and social skills, which they further implement in their university lives.



Khalid Ibrahim Al-Nuaimi

AIChE Male Student's Vice President

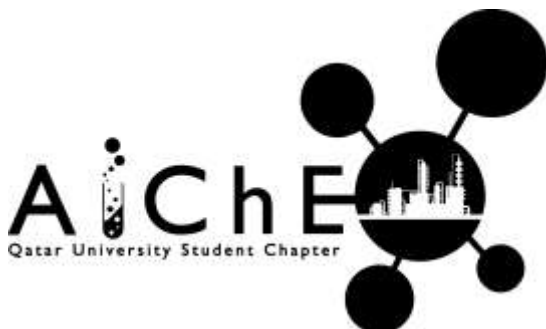
Khalid: "In my free time I enjoy photography, fishing and hunting as my favorite hobbies."

Mohammed Jamal Al-Hamad

AIChE Student Chapter Member

Mohammed amazed us by the multi-talents and hobbies that he own.

Mohammad: "In my free time I enjoy shooting, swimming, football, basketball, social networking, and cooking."



WORDS FROM ALUMNI

CHE ALUMNI SPEAKS OF ACADEMIC LIFE AND PROFESSIONAL CAREER

Ali Yousef Al-Obaidli

Project Engineer, Regulatory Authority for Charitable Activities

I chose to study chemical engineering because I have a passion in learning more about the chemical industry as it is the leading business in Qatar. Whether it is petroleum, natural gas or petrochemicals. As an individual I wanted to make an impact towards this field and Qatar's vision of 2030.

Even though now my future career has taken a new turn into humanitarian projects and international development I still use most of my experiences and knowledge gained from the four years as a chemical engineering student at Qatar University, I gained more knowledge about the field as I experienced it at first hand during my summer internship.

The chemical engineering course has developed my knowledge from an academic point of view and also boosted my self confidence in tackling issues on a personal level. As well as the course has made me more aware of thinking outside the box in many situations during my working life but also my critical thinking in general.



Noora Al Ghanim

Technical Safety, Qatar Shell GTL Ltd.

I graduated from the Department of Chemical Engineering at Qatar University on 2010. As soon as I graduated I started working as a process engineer at Qatar Petrochemical Company (QChem) for a couple of years. I have then moved to Qatar Shell GTL where I have been occupying the position of 'Technical Safety Engineer' for chemical processes in Ras Laffan industrial city since 2012.

During my chemical engineering bachelor studies, it was one of the major curriculum requirements to attend a comprehensive summer internship at one of the local oil and gas companies in Qatar. I have then joined Qatar Chemical Company (Qchem) at Mesaieed industrial city as a trainee for three month period in summer 2009. The aim of the internship was to train a chemical engineering student to link and implement his academic knowledge to be applied and practiced in real chemical plants.

The internship was also designed to train the future chemical engineer to troubleshoot and obtain solutions for problems that occur on daily basis in chemical plants.

I am very thankful and grateful for Qatar University and ChE department for equipping me well to take part in the industrial sector as an Engineer of solid knowledge and qualifying skills to be up to the challenges of a professional engineer's life.



Congratulations



Congratulations to ChE students who made it to the Dean's List of 2016 - 2017 Academic Year 😊 Your hard work has Paid off



ChE Students on Dean's List of 2016-2017 Academic Year		
Female		Male
Dareen Zuhir Dardor	Somaya Selim	Mohamed Khaled Salem
Hadeel Tareq Al-Jighefee	Samaa Khaled Heshmat Ismail	Mehamed salih Abdela Ali
Arwa Javed	Hagar Alaaeldin Abdelmotaal	Amro Mamoon Mohamed
Dina Mohamed Ewis	shaima Ali ALI-tamreh	Mogammad Maimoon Adams
Namra Mohammad Raza Mir	Sahar Emad Alhaj yousef	Mohamed Ahmed Zamzam
Waad Mahmoud Ismail	Mona Hassan Albatarni	Mustafa Adam Mohamed
Janaa Rashid Al-Naimi	Tohfa Yasmin Ali Ahmad	Mohamed Saeed Shamlooh
Reem Jamil Azzam	Fadwa Mohamed Kassem	Wisam Hussameldeen Alsaba
Sareh Ali Badnava	Tasneem Mohamed Sid Ahmed	Abdullah Ahmed Omar
Taif Mahmoud Alsalama	Aldana Ali H A Alyafei	Moustafa Hussein Ali
Noora Ismail H A Akbar	Shiva Abdulrahim Yousefi	Mohamed Khairy Youssef
Hafsa Mohammed Ashraf	Hala Ahmed H Qasim	Khalid Ibrahim AlNaimi
Nada Moath Ibrahim Arar	Reem Sameer Azzam	Majed Mahmood Munasser
Mariam Nashaat Soliman	Shadwa Safwat Ibrahim	Ahmed Lair
Fizza Muhammad Usmani	Omnia Abdelbasset Abdelfattah	Afdhal Yuda
Aisha Abdul Quddus	Klthm Abdulla Al-Mannai	Mohamed Osama Omer
Sumayya Muhamad Abdulrahim	Nour Khaled Mardini	Abdul Rehman Habib Ur Rehman
Shahrzad Tayeb Zarei	Jawahir Mohamed Al Ali	Yaqoub Yousef Al-Malik
Navaira Fathima	Tasneem Sayed Elsayed Green	Selim Ben Zakour
Noor Wahib Khalil Shallouf	Haya Saleh Alyasi	Abdulrahman Murshed Al-Selmi
Deema Ahmad Alhams	Dina Gamaleldin Elmanadiely	Hussein Ali Al-Ta'mreh
Tusneem Bahaeldin Hassan	Amani Gamal Hassanein	Ali Idris Alhusumi
Aicha Sidi Lemine	Gharam Salman Awadh	Omar Sherif Khalaf Amin
Kaltham Abdulmoayied Al-banai	Mona Saud Al-Kharfi	Mosharraf Hossain
Ayman Arif	Rowaida Emadeldeen Naba	Mohammad Jamal Alhamad
Rem Abraham Jalab	Nada Mustafa Mahmoud	Abdul Rahman Yousef Al Obaidli
Asmaa Othman Mohamed	Mehreen Inamdar Ibrahim	Ahmed Omer Ali Al Ibrahim
Afnan Mohammad Alkhatib	Sara Mohammad Dawood	Mohammad Saad Anis
Afsaneh Mohamed Daneshvar	Jana Mohuiddin Jamaleddin	Husameldin Mahmoud
Dana AbdulrahmanAlshuaibi	Ghadeer Mazen Ashour	Mohammed Abdullah Al-Sadi
Sara Turki Amin Alareed	Fatema Naser janahi	Jabr Hussain Al Obaidly
Nisrin Ali Mohammad Batah	Noor Mostafa Naser	Abdulkarim Abdulmalek Mira
Mashaal Mohammed AlMaas	Nawal Fadul Al-yafei	Abdellatif Hani Al-Otaibi
Nagat Mohamed Elrefaei	Maryam Pahlavan Sabokzei	Albert Laryea Odai
Samara Waheed	Noora Ali Al-sanari	Abdulrahman Omer Al-kubaisi
Nada Mahmoud Abounahia	Malaz Abbas Maki	Mohamed Ell-Njoomi
Dareen Saleh Al-Musaifri	Amal Issa	
Roba Mostafa Almuhtaseb	Ghosna Mohammed AL-Marri	
Somayeh Ali Rahimi Fard	Sarah Ahmed Al-Raesi	



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ENGINEERING**

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