



## College of Engineering Community

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### Contents

❖ Appointment of a College Dean and a Vice Dean for Development and Quality .....	2
❖ The College and the Saudi Council of Engineers .....	2
❖ Honoring the Winners of the Custodian of the Two Holy Mosques Prize for Inventors and Gifted .....	2
❖ Honoring Al Jazirah Company During the Ceremony Organized by the College Team Participating in the Shell Eco-Marathon .....	2
❖ Inauguration of the Ground Station for an Educational Satellite in the College of Engineering .....	2
❖ Visit to the Satellite Educational Project .....	2
❖ Lectures in the College on Metro Riyadh .....	2
❖ Engineering Students Study a Semester at Georgia Institute of Technology .....	2
❖ Workshop on the OBE Computer Program .....	2
❖ Honoring Outstanding Graduation Projects and Accompanying Exhibition .....	2
❖ College of Engineering Organizes a Workshop on the Participation of King Saud University in the Sustainable Solar House Competition .....	2
❖ Celebration Ceremony on the Occasion of Eid Adha .....	2
❖ Completion of the National Accreditation for all College Programs .....	2
❖ Renewal of ABET accreditation for College programs .....	2

## Appointment of College Dean and a Vice Dean

Dr. Waleed Mohammed Zahid, Associate Professor in the Civil Engineering Department and former College Vice Dean for Development and Quality has been appointed starting on 19/1/1438 H as the Dean of the College replacing Dr. Khalid Ibrahim AlHumaizi whose tenure as dean ended.



Dr. Musaed N. AlAwad, Professor in the Petroleum and Natural Gas Engineering Department and former Chairman of the department was appointed starting on 9/2/1438 H as the College Vice Dean for Development and Quality.



## The College and the Saudi Council of Engineers

In an effort to promote cooperation and communication between the College and the Saudi Council of Engineers, the College Dean Dr. Waleed M. Zahid and the College Vice Deans met on 25 Rabi II 1438 H in the Council headquarters with the Secretary-General of the Council Dr. Hussein bin Yahya AlFadeli and the Directors of the Council Departments. The meeting discussed the development of cooperation and actions between the two parties in order to serve the engineering profession, and the College students and graduates. The College Dean expressed his deep gratitude to the Council for its initiative and the renewal of their interaction with the College, and stressed that the college will arrange an office in the College to facilitate communication between the Council and students. The Dean of the College also invited the Secretary-General of the Council to participate in the Advisory Board of the College.



## Honoring the Winners of the Custodian of the Two Holy Mosques Prize for Inventors and Gifted

The following College professors were honored on 27 Jumada II 1438 H on the occasion of their reception of awards of The Custodian of the Two Holy Mosques Prize for Inventors and the Gifted:

- ❖ Professor Saeed M. Alzahrani and Professor Inas Moein Alnashef from the Chemical Engineering Department. (Second Session 1434/1435 - the Inventors Category).
- ❖ Professor Abdulrahman M. Alhozaimy from the Civil Engineering Department. (Third Session 1435/1436 - the Gifted Category).

## Honoring Al Jazirah Company during the Ceremony Organized by the College Team Participating in the Shell Eco-Marathon

The College team participating in the Shell Eco-Marathon organized a ceremony to honor the team of 2016 and to introduce the new team of 2017. The ceremony began with a presentation by the student team leader Abdulrahman Aotai of the college team participation in this race. After that the College dean Dr. Waleed M. Zahid made a speech on this occasion in which he stressed the University support for such extra-curricular activities that provide students with practical experience. He also stressed that the aim of the participation is not to achieve advanced positions but rather to enable students to take advantage and increase their expertise to serve the nation. The dean concluded by thanking the team sponsor Al Jazirah company represented by its CEO Sheikh Abdullah Alkredees and also thanked the University rector for his support for these activities as well as members of the faculty and students. The Al Jazirah CEO then delivered a speech in which he expressed his joy about these achievements, and stressed that the support of these projects is in line with the kingdom Vision of 2030.



## Inauguration of the Ground Station for an Educational Satellite in the College of Engineering

On behalf of the University rector, Professor Badran AlOmar, his excellency, the vice rector Prof. Dr. Abdullah AlSalman, inaugurated on 14 December 2016 the opening of the ground station for the educational satellite (Cubesat) in the College in the presence of the project sponsor businessman Khaled AlMazroue, the CEO of (RAWADEF) establishment, his highness prince Badr bin Fahd AlFaisal, the initiator of the idea of the satellite, the College Dean Dr. Waleed M. Zahid, the Vice Dean for graduate studies and research and the director of the project, Dr. Abdul Mohsen Al-Baddah, as well as a number of guests and faculty members. The work on the project began in the month of May 2016 G through an agreement between the College and the company (RAWADEF) under which a team of 40 students from various College disciplines as well as two students from the College of Computer Science and Information Systems received training under the supervision of three faculty members from the Electrical Engineering Department and a faculty member of the Department of Mechanical Engineering. The project is supervised technically by Dr. Nader Abdulhamid from the RAWADEF establishment

It should be noted that King Saud University is the first Saudi university to adopt an educational Satellite project among 300 universities in the world to adopt such educational satellites. The project includes the design of a satellite the size of  $10\text{ cm} \times 10\text{ cm} \times 10\text{ cm}$  and a weight of around 1.3 kg. The design and manufacturing is carried out by five student groups: the task group, a communications group, a group of mechanics and subsidiary control elements, energy and computer group, and a group to determine the height and control system. The main functions of the earth station is the control of the satellite after his arrival in the allotted orbit, the reception of information from the satellite, its analysis and the communication with other educational satellites.



### Visit to the Satellite Educational Project

Prince Saud bin Fahd AlFaisal, prince Badr bin Fahd AlFaisal and sheikh Khalid Almazroue, the director of (RAWADEF) establishment made a visit on Muharam 1438 to the ground station of the educational satellite project. The visitors were greeted by the College dean Dr. Waleed M. Zahid, the College Vice Dean for Graduate Studies and Scientific Research Dr. Abdul Mohsen Al-Baddah, and the project technical director Dr. Nader Abdul Hamid as well as by a team of students participating in the project. The visitors were briefed during this visit on the contents and functions of the station parts.



## Lectures in the College on Metro Riyadh

The College of Engineering, in cooperation with the high commission for Riyadh development and the alliance of companies executing the Riyadh Metro project, has organized over three weeks during the period from 4 to 18 1438 H a series of different lectures on this huge project which is considered to be the most important projects supervised by the high authority for the development of the city Riyadh during the current period. The three lectures were delivered every Saturday on different topics of the Riyadh Metro project. The first lecture was about the design and management of projects in the Riyadh Metro, the second lecture focused on civil works in Riyadh Metro while the last lecture covered the Metro systems. These lectures contributed to conveying a clear picture about the project and creating a good response among College students with more than 200 students attending the three days lectures.



## Engineering Students Study a Semester at Georgia Institute of Technology

Among the college initiatives to encourage distinguished students, the College began a program to send students to study abroad as visiting students in outstanding universities for one semester. The college had concluded an agreement with Georgia Institute of Technology (ranked in the top 10 universities in engineering), to accept its students. The program has started this 1st semester of the academic year 2016/2017 with seven students from the Mechanical Engineering Department. This initiative is sponsored by Engineer Abdullah Bugshan which comes in light of his continuous support for the initiatives of excellence for the development of engineering education. The college extends sincere thanks to this initiative, and progressing to thank Dr. Hani al-Ansari of the Department of Mechanical Engineering and Dr. Said Abdul Khaliq of Georgia Tech, on the follow-up and efforts to ensure the success of this initiative. The college also extends its thanks and gratitude to the

university Rector and the Vice Rector for Educational and Academic Affairs for their support for strengthening the relationship between the college and the private sector to provide developmental initiatives for improving the college outputs. It is hoped that the program would consolidate the relationship between the college and the college of Engineering at Georgia Institute of Technology, contribute in comparing the performance of college students with their counterparts in world-class universities, and support outstanding students to get opportunities to pursue their graduate studies in distinguished universities.



Visiting Students with Dr. Hani AlAnsari (in the middle)



Engineer Abdullah Baqshan (second from right of picture) with College administrators

## Workshop on the OBE Computer Program

Under the patronage of the College dean Dr. Waleed M. Zahid, the College Vice Dean for Development and Quality Professor Musaed N. AlAwad supervised the organization by the College of a workshop on Outcome Based Education which is a system for assessing learning outcomes and effectiveness of teaching, which was specially designed for both faculty and students in the College to manage various educational aspects. The system is one of the programs prepared by the University Deanship for Academic and Educational Affairs with the participation of six colleges in addition to the College of Engineering. The College has prepared such program under the supervision of the Vice Deanship for Development and Quality to be commensurate with the nature of the courses and the requirements of international and national accreditation. The program was designed to follow up and measure the performance of scientific output and provide access to information and reports required for academic accreditation. The College has applied this program on a selected number of courses by the start of the first semester of the academic year 1436/1437 and will expand its application gradually until the completion of all courses in the coming period, God willing. It can be noted that this is the third workshop, which was organized by the College since the launching of the program nearly two years ago. The aim is to learn about the possibilities of the program and also to collect the views and proposals of the audience in order to further improve it in line with the requirements of the College. The workshop was attended by a number of heads of departments and supervisors of accreditation and quality units as well as by a large number of faculty members.



## Honoring Outstanding Graduation Projects and Accompanying Exhibition

Under the auspices of the College dean Dr. Waleed M. Zahid, who was represented by the College Vice Dean for Development and Quality Professor Musaed N. AlAwad, the College Vice Dean for Development and Quality organized on 26 April 1438 an exhibition and ceremony to honor the

distinguished graduation projects for the first semester of 1437/1438. During the ceremony, awards and certificates of excellence were awarded to outstanding graduation projects belonging to Civil, Electrical, Mechanical, Chemical, and Petroleum and Natural Gas, and Industrial Engineering Departments. Also were honored the department joint projects and the professors supervising these projects.



## College of Engineering Organizes a Workshop on the Participation of King Saud University in the Sustainable Solar House Competition

On behalf of the University Rector, Professor Badran AlOmar, his excellency the Vice Rector for Projects Dr. Abdullah AlSugair patronized in the presence of a number of teaching staff and a large number of students, the opening of the workshop organized by the College to introduce the University participation in the competition for sustainable solar house (Solar Decathlon 2018), which is to be held in October 2018 in the city of Dubai. The workshop aimed to publicize the competition

and to explain the university's role in advancing developments in this area. His Excellency the Vice Rector for projects stressed the importance of this subject and its role in reducing the waste of petroleum resources in power generation. In his speech, the College Dean Dr. Waleed M. Zahid thanked the university rector Professor Badran Alomar for his great support. He also noted that he University participation in this competition is the first Arab participation since the inception of the competition in Washington in 2002, and that the sustainable house project deals with the most important critical issues facing the world: the depletion of energy and water. The Dean noted that the number of students enrolled in the project totaled about 300 students from King Saud University, in addition to more than 70 students from a number of other Saudi universities. Subsequently, the project supervisor, Dr. Abdul Mohsen Al-Baddah presented an overview of the competition and pointed out to the role of such events in the orientation of the Kingdom towards reducing dependence on oil as well as in strengthening communication skills, teamwork and leadership skills. Also the project manager Engineer Ibrahim Al-Muhanna made a presentation on the technical aspects of the competition. It should be noted that the competition (Solar Decathlon Middle East 2018) is a sponsored agreement between the US Department of Energy and the Ministry of Water and Electricity of Dubai. King Saud University has been involved in this competition through a project led by the college of engineering with the participation of college of architecture and planning and the college of food and agricultural sciences. Participants will compete in the design and implementation of a house that applies various sustainability techniques. The winner of the competition is selected through a range of different criteria, including innovative design, the use of alternative energy technologies and efficient water and energy use, as well as the possibility of execution, transportation and marketing the invention.



### Celebration Ceremony on the Occasion of Eid Aldha

The College organized on 18/9/2016 in the College sport activities hall a ceremony to celebrate the Eid Adha and the start of the new academic year 2016/2017 in the presence of the University Vice Rector Profesor Abdellah Alsalmam, the Vice Rector for Educational and Academic Affairs Dr. Abudlaziz Alothman, the former Dean of the College Professor Khalid Alhumaizi and the College Vice Deans and staff of the College. The ceremony was an opportunity for College staff to meet and exchange opinions and information.



### Completion of the National Accreditation for all College Programs

The College programs of Electrical, Industrial and Petroleum and Natural Gas have received the full National Accreditation from the National Commission for Assessment and Academic Accreditation (NCAAA) for seven years (until April 2023) while the Surveying Program was accredited for four years (until April 2020). These programs were evaluated by the Commission in the period between 25-30 April 2015.

Before that the Civil, Chemical and Mechanical Engineering programs had received the NCAAA accreditation on July 2015 for full seven years (Until April 2022). The College hence is the first College in the Kingdom to receive the NCAAA accreditation for its programs. It can be noted that the NCAAA accreditation is based on eleven criteria divided on 5 main areas that include: (1) Institutional context (2) Quality of learning and teaching (3) Support for student learning (4) Support for infrastructure (5) Community contribution.



### **Renewal of ABET accreditation for College programs**

The College different programs have been granted the accreditation for the next 6 years (until September 2022) through ABET (Accreditation Board for Engineering and Technology). These College programs consist of the electrical, civil, industrial, mechanical, chemical and petroleum and natural gas. It is worth mentioning that these programs had already received the first ABET accreditation on 2008 and have also received the full National accreditation from the National Commission for Assessment and Academic accreditation (NCAAA) in 2015 for a period of 7 years (until April 2022) while the surveying program has received the accreditation for 4 years until April 2020.



**This Issue was prepared by:**

**Professors Musaed N. AlAwad and Abdelhamid Ajbar**