



كلية الهندسة
College of Engineering



جامعة المجمعة
Majmaah University

١٤٣٧ هـ / ٢٠١٥ م

Report of Students Activities

College of Engineering

2016-2017

Prepared By:

Dr. Tarek Ahmad

Eng. Hussam Habibeh

Abdulahman Al jabr

Supervision:

Dr. Saleh Aldahash



كلية الهندسة
College of Engineering



جامعة المجمعة
Majmaah University

www.majmaah.edu.sa

Contents

Engineering departments open day for new students	3
The Faculty of Engineering awareness session :Intellectual Deviance: Motives and Psychological Reasons:	5
The Student Advisory Council at the Faculty of Engineering holds its first session.....	8
Department of Civil Engineering: A scientific visit to asphalt industry station.....	10
Department of Mechanical and Industrial Engineering: A scientific visit for the students and the faculty members	12
College of Engineering: students visit the University Central Library	13
Electrical Engineering Department: Students visit to the electrical distribution station of Jalajal	15
Department of Civil Engineering: A scientific visit to Sudair City of Industry and Business....	17
Faculty of Engineering: Awareness session on Corona virus	19
Student Activities Day at the Faculty of Engineering.....	21
A delegation from the Faculty of Engineering participated in the Saudi Universities Volleyball competition	23
Faculty of Engineering: Reception of preparatory year students.....	24
College of engineering: Academic advising day.....	27
Faculty of Engineering: A workshop for students about high education outputs test (KIAS) .	28
Scientific visit to King Abdulaziz City for Science and Technology (KACST).....	29
A Delegation from King Fahad High School Visits the Engineering College	31
Ibn Baz High School Students visit the College of Engineering	33

Engineering departments open day for new students



The Dean of the Faculty of Engineering, Dr. Abdullah bin Abdul Mohsen Al Abdulkarim, launched the engineering departments open day activities for the new students at 10 am on Tuesday, 31-08-2015 at the Faculty of Engineering Clubs Hall. This event was attended by the heads of the academic departments at the college, the president of the quality center at the college, Dr. Abdul Rahman al-Qawasmi, the chairman of the student activity committee at the faculty, Dr. Tareq Nabil and faculty members at the college.

The Dean of the Faculty of Engineering welcomed the attended students and assured them that the college administration was happy with the new students. He urged them to work hard and diligently because the engineering study requires constant attendance and excellence. He also stressed the need to attend the lectures, especially with the introduction of the electronic system of absence. (Edugate)

He also assured the new students the necessity of choosing the appropriate specialization based on the personality of the student and his tendency toward it. After he reassured the students that the job opportunities are available in the local market for all engineering specialties.

The Dean of the College also advised the new students to register the courses with the assistance of the academic advisor, which ensures the student to graduate smoothly and without obstacles to finish his study plan. The Dean of the College confirmed that the College administration offers its assistance to the students, if they encounter any academic problem at the College.

Then, the head of the Quality Center at the College, Dr. Abdulrahman Al-Qawasmi, gave a presentation about the main academic departments in the college, the sub-tracks offered by each department, and the study plan allowing the graduation in bachelor's degree.

Then, the chairman of the Students Activity Committee at the College, Dr. Tareq Nabil, presented an overview of the activities offered at the college and their

importance in strengthening the bonds between the student and his colleagues and the college, that positively reflect on his future personality as a successful engineer. After that, the academic department coordinators presented an overview of the academic disciplines in the Faculty of Engineering, the sub-tracks in each specialization, and the available jobs for each sub-track. They also explained to the students some criteria that they should follow after completing the preparatory year's courses to choose the appropriate specialization. The new students were then provided with detailed booklets explaining all the academic disciplines and engineering trainings.

The new students met with the current faculty students, where the students of the college explained to their colleagues about the causes of success and excellence for anyone wishing to join the Faculty of Engineering.

At the end of the meeting, the Dean of the Faculty of Engineering thanked all those who contributed to the success of this open day and asked everyone to continue to participate in all the activities held by the College, for the benefit of students□





The Faculty of Engineering awareness session: Intellectual Deviance: Motives and Psychological Reasons:

The importance of universities when they operate far from education goes beyond preparation of simple graduates, specifically in the service of society. This benefit increases when the university succeeds in preparing its graduates intellectually and educationally with good values helping them to build a good personality. According to that and under the directives of His Excellency the Rector of the University, and with the changes and developments that come to the scene from time to time, the Faculty of Engineering - as one of the parts of the University - had to take the necessary measures to protect its students from the dangers of deviant ideas that may be deceived by some young people. In this regard, by the invitation of the Dean of the Faculty of Engineering Dr. Abdullah bin Abdul-Mohsen Al-Abdul-Karim, the Faculty of Engineering held a lecture entitled "Intellectual Deviance: Motivations and Psychological Reasons", given by Dr. Ibrahim Abdullah Al-Hussainan, an Assistant Professor of Educational Psychology, Faculty of Education at Majmaah University, on Monday, October 19, 2015, and at 12.15 pm. This lecture was attended by many students from various academic departments. At the end of the lecture, the Dean of the Faculty of Engineering presented a shield of thanks and appreciation to Dr. Ibrahim Al-Hussainan for this lecture.





The Student Advisory Council at the Faculty of Engineering holds its first session

The Deanship of the Faculty of Engineering and its various academic departments are keen on taking care of their students' difficulties and obstacles and helping them to pursue their studies easily according to the directives of the University Agency of Educational Affairs. The Dean of the College, Dr. Abdullah bin Abdul Mohsen Al-Abdul-Karim (Chairman of the Student Advisory Council) received at the meeting room of the Library the Student Advisory Council members. He started the first meeting of the academic year 2015/2016 by welcoming the council members and wishing them success in their educational carrier and be responsible in representing the students in front of the Deanship. He also stressed the policy of the open door to the students to serve their interests and does not contradict with the direction of the university. He also explained and elaborated the objectives and functions of the Advisory Board.





Department of Civil Engineering: A scientific visit to asphalt industry station

Based on the faculty conviction about the importance of foster student's learning and integration of theoretical knowledge in practice during tertiary education, the Department of Civil Engineering at Majmaah University organized a scientific visit for the seventh level students to the asphalt industry station on November 19, 2015, under the supervision of Dr. Yasser Al-Arki and Dr. Osama Al-Alawi.

The field visit aims to show the students of civil engineering some practical engineering applications in the field of asphalt production and identify all the related stages by visiting this modern production station, which uses the automated control system.

During the visit to the station, specialized engineers (consultants and project managers) introduced the main components, namely the stone production unit with its different sizes (crusher) and asphalt production unit. The visit achieved the following objectives:

1. To identify the natural relationship between the units of the engineering projects and the concept of security and safety explained by the quality control and safety manager.
2. Identification of the operating system and the nature of the production process and the different uses of the crusher in the engineering work especially in the road industry.
3. Identification of all stages related to the production of various asphalt mixtures through different components of the asphalt mixer.
4. Identification of automatic control production process (central control room)
5. Identification of different tests of asphalt mix and its components with detailed explanation from the responsible materials engineer

□



Department of Mechanical and Industrial Engineering: A scientific visit for the students and the faculty members

Based on the faculty conviction about the importance of foster student's learning and integration of theoretical knowledge in practice during tertiary education, the Department of Mechanical and Industrial Engineering organized a scientific visit for the students as well as for the faculty members to the desalination plant at Al Majmaah on November 17, 2015.

The students of the Department of Mechanical and Industrial Engineering got a detailed presentation on the parts of the plant and the function of each one, and the different stages of the waste water treatment that will be discharged to the nearby environment with minimal damage to humans, animals, plants and environment. The water produced from this process contains elements, gases and solids in small concentration with non-harmful quantities, and it is used in specific agricultural areas to keep the groundwater consumption for other important purposes like the drinking. At the end of this visit, the students said that they have enriched their practical experience in the field of desalination plants, their components and the way they operate.



College of Engineering: students visit the University Central Library

The Students Activities Committee at the Faculty of Engineering organized a visit to the Central Library at Al Majmaah University under the invitation of the Central Library Department on Tuesday, October 12, 2015. More than thirty students from different academic departments of the college have visited the library, accompanied by Dr. Tarek Nabil Ahmed, Secretary of student activities at the Faculty of Engineering. The visitors were received by Dr. Osama Khamis, Mr. Ahmed Abdel Aziz, the Central Library Secretary at Al Majmaa University and many library staff. Where they accompanied the visiting delegation in an introductory tour in all sections of the central library, namely the library department, the beneficiaries services section, the electronic index section and the free reading room. The visiting delegation was briefed on the components and functions of each section.

The visiting delegation was also introduced to the mechanism of photocopying of paper books and converting them into computer files provided to users on computer means of transport such as CDs and others. The visiting delegation was briefed on the utilization of the Saudi digital library and how they can have a benefit from the vast number of available books, scientific journals, international research and others. The visitor's delegation thanked the director of the library for his efforts in introducing the visiting student delegation to all sections of the central library.

□





Electrical Engineering Department: Students visit to the electrical distribution station of Jalajal

Based on the faculty conviction about the importance of foster student's learning and integration of theoretical knowledge in practice during tertiary education, the Department of Electrical Engineering organized a scientific visit for the students as well as for the faculty members to Jalajal distribution station on November 8, 2015.

The students of the electrical engineering department visited the various electrical units of the distribution station, the most important one is the control unit, where they learned about its parts, how to control the outgoing voltages and its connection with the central control unit. The students were also briefed on the electrical protection unit of the station, which operates when an error leads to high or low voltage, they also viewed the power reserve unit that works at the main power outage. The visitors previewed a transformer of 400 MW mainly its installation and protection, and then they saw the connection of transformers with high voltage power lines. At the end of the scientific visit, the students stated that they have contributed to enriching their practical experience in the field of electrical distribution station.

□





Department of Civil Engineering: A scientific visit to Sudair City of Industry and Business

Based on the faculty conviction about the importance of foster student's learning and integration of theoretical knowledge in practice during tertiary education, the Department of Civil Engineering at Majmaah University organized a scientific visit to Sudair City of Industry and Business on Tuesday November 10th, 2015.

The visit was attended by many students under the supervision of a group of faculty members. The visiting delegation was received by the supervisor of the city of Sudair of Industry and Business (M. Walid Bin Sulaiman Al-Beheiri) and the road engineers. Where they accompanied the visitors to all the facilities of the industrial city and gave them detailed information about the city.

The faculty members and the students visited the engineering facilities under construction in the industrial city. They provided a scientific explanation of the various engineering applications on the ground based on various courses taken already by the students.

The students also visited the ready-made concrete used for the manufacture of industrial concrete bridges. The students learnt how to build bridges in all stages from processing to the installation as well as the construction of building for different stages of construction. The visitors thanked the project managers for their good reception and cooperation and for accompany them to visit all the landmarks of the city, which contributed to the success of this scientific journey and achieve the desired goals





Faculty of Engineering: Awareness session on Corona virus

A medical service delegation has visited the college under the invitation of the Student Activities Committee at the Faculty of Engineering on Wednesday, November 18, 2015 at 11 am. This delegation was under the direction of Dr. Asr Al-Sherman, a virologist from at Majmaah University.

At the beginning of the lecture, Dr. Tarek Nabil, Chairman of the Students Activities Committee at the Faculty of Engineering, welcomed the visiting delegation and expressed the gratitude of the College of Engineering for Medical Services at the University for its educational and awareness lectures in the medical and scientific fields.

After that, Dr. Al-Sherman gave a scientific lecture on the virus that causes Corona, in which he talked in detail about the causes of the disease and its spread methods and the environment suitable for its transmission. He also talked about the symptoms that distinguish this virus from other diseases and ways of its prevention and mitigation.

The lecture focused on the need to raise awareness at the university and the society about the level of the risk of this virus, which leads to multiplication of death, and may turn into an epidemic that kills hundreds or thousands.

The attenders praised the great benefit of the lecture awareness, and called for more useful medical lectures at the college





Student Activities Day at the Faculty of Engineering

Within the activities offered by the College of Engineering for the academic year (2015-2016), the Students Activities Committee at the Faculty of Engineering organized a day for the students at Al Faisaly Sports Club in the city of Horma on Monday November 16, 2015, in participation of students, faculty members and faculty staff, where they have been welcomed by the Chairman of Al Faisali Club in Horma, Mr Fahd Bin Abdul Mohsen Al Madalj.

This sports day involved various sports competitions and various sporting events, the most important of which is the holding of football matches at the level of the College of Engineering Cup, gold, silver and bronze medals were distributed to the winners of the three advanced centers. This sports day also included a four-hundred-meter field tour, where the first three winners were awarded with gold, silver and bronze medals





A delegation from the Faculty of Engineering participated in the Saudi Universities Volleyball competition

The Dean of the Faculty of Engineering, Dr. Abdullah bin Abdul Mohsen Al Abdul Karim, received at his office the students delegation of the College of Engineering, which will participate in the competition of Saudi universities for volleyball, which will be held in the city of Yanbu.

The meeting was attended by the vice dean of Academic Affairs Dr. Saleh Al-Dahsh and the vice dean of Quality and Development Dr. Abdullah Al-Muhaisen. This meeting follows the victory of the Faculty of Engineering by the second place in the competition of the University of Al majmaah, and winning the silver medal for this competition.

The Dean of the College of Engineering assured the students who are preparing to leave to Yanbu to the importance of seriousness, perseverance and hard work in order to compete strongly in this tournament and to get the best results. He asked the students to be ambassadors of love representing their university in the best way, so Al Majmaah University will be one of the best Saudi universities. The students praised the importance of the meeting and its positive impact in raising their morale and motivation.



Faculty of Engineering: Reception of preparatory year students

Under the direction of the vice dean of academic affairs Dr. Saleh Al-Dahsh a reception has been organized for the preparatory year students desiring to join the Faculty of Engineering on Wednesday at 11:30 pm, 30-3-2016, at the Engineering Clubs Hall. The meeting was attended by representatives from the academic and administrative departments at the college, the president of the quality center at the college, Dr. Abdul Rahman Al-Qawasmi and chairman of the student activity committee Dr. Tarek Nabil.

At the beginning, the vice dean of academic affairs welcomed the students and informed them that the college arranged such a meeting with the students to answer all their questions regarding their joining to the Faculty of Engineering. And he let them know them that, working hard in the preparatory year will help them to join the Faculty of Engineering. He also informed them that a strong start will help the student to follow the study plan in the college correctly. And it if he will start first with the courses that he has special scientific tendencies towards them that will increase his GPA. For the courses that represent some difficulties for him, he can use training courses, study programs and e-learning to manage that issue.

□



The vice dean of academic affairs advised the students to improve their English to avoid any obstacle related to the language during their academic achievements. He also informed them about the importance of choosing the specialization basing on the scientific foundations, personal desires and academic abilities of the student. He invited the students to visit the website of the college to learn more about the different academic departments of the college. He also advised them to take their time and think deeply before the selection of their specialization that matches their personal desires and ensures that they achieve their future aspirations.



He also assured the students to be present of on Monday morning, April 11, 2016 at the university theater, to determine their academic specialization. Then he gave a presentation about the program, which includes educational lectures and guidance on the college of engineering and its academic departments. Then, the Head of the Quality Center at the College, Dr. Abdulrahman Al-Qawasmi, talked about the main academic departments of the College, the sub-tracks of each department, the study plan for obtaining a Bachelor's Degree in Engineering from the College and finally the continuous academic advancement of the students. Then, the chairman of the Students Activity Committee at the College, Dr. Tareq Nabil, presented an overview of the activities offered at the college and their importance in strengthening the relations between the student and his colleagues and the college, that positively reflect on his future personality as a successful engineer. After that, the students listened to the delegates from the different academic departments of the college. They present to the students the academic

disciplines in the Faculty of Engineering, the sub-tracks in each one, and the fields of jobs available for each sub-track.

The visiting students met the current students of the college, Where they talked about the causes of success and excellence for anyone wishing to join the Faculty of Engineering. After that, the preparatory students visit the labs of the college to take a closer look at the various engineering disciplines, to help them to determine their specializations.



At the end of the meeting, the vice dean of academic affairs thanked all those who contributed to the success of this forum and asked everyone to continue to participate in all the activities held by the College, for the benefit the students.□



College of engineering: Academic advising day

The college of engineering has organized an academic advising day for all the faculty students on February 15th, 2016 under the supervision of the Dean of academic affairs Dr Saleh Al-Dahsh and organized by the committee of student activities. Dr Saleh Al-Dahsh talked to the students about the importance of the academic advising for the students and its positive impact on their progress in their academic plan. This event was participated by academic coordinators and academic advisors. Each academic advisor resaved his list of advised students. The Vice Dean for Academic Affairs responded to all the questions asked by the students regarding the academic guidance and study plans in their departments. He then invited them to visit the offices of their academic advisors to communicate with them and update their academic records. The academic regulations and rules guidance have finally been distributed to the academic advisors to assist them during their duty of advising.

□



Faculty of Engineering: A workshop for students about high education outputs test (KIAS)

A workshop about high education outputs test (KIAS) has been organized at the college of engineering on March 29, 2016 to introduce the students about the test and let them know about the psychological and scientific preparations for it. More than seventy students from all the departments participated for this workshop. First, the Chairman of the Student Activities Committee at the College, Dr. Tareq Nabil, gave a lecture about the importance of this test for the engineering quality development. Then Dr. Sayed Abbas gave a lecture about the practical steps to enroll the student in the test. Therefore, more than seventy students of the college electronically registered on the national center for assessment website for the engineering exam scheduled on April 20-21, 2016. Knowing that 120 students of the Faculty of Engineering (Civil and Environmental Engineering, Mechanical and Industrial Engineering, Electrical engineering and Computer Engineering and Networks) will attend this exam. The college has scheduled a second workshop on the same topic on March 29th, 2016, also three other workshops will be organized about the preparation of the test by offering typical question/ response sessions and offering a test exam.



-
-
-



Scientific visit to King Abdulaziz City for Science and Technology (KACST)

Based on the faculties' believe in the importance of foster student's learning and integration of theoretical knowledge in practice during tertiary education : The college of engineering has organized a Scientific visit to King Abdulaziz City for Science and Technology (KACST) for 18 students under the supervision of Dr Wakar Ahmed Khan and Mr Faris bin Saad Al-Saeed. Moreover, the visit began at the Materials Research Institute, where the officials greeted and welcomed the delegation from the College. Then, Mr. Al-Saeed delivered a speech, in which he extended his thanks and appreciation on behalf of the delegation and Dean of College for the warm reception. After that, Eng. Khalid bin Saed Al-Ghamdi, provided a detailed explanation using an electronic screen about King Abdulaziz City for Science and Technology, as well as some of its achievements. Next, the officials at King Abdulaziz City took the students on a tour inside the Materials Research Institute, starting with the National Center for Petrochemicals Technology, which is part of the Institute. The students also visited three laboratories for testing the strength of plastic samples. At the end of the visit, the officials at King Abdulaziz City for Science and Technology praised the constant collaboration with the College of Engineering at Majmaah University for its benefits and practical experience suitable for the theoretical material. □





A Delegation from King Fahad High School Visits the Engineering College

A delegation from King Fahad High School in Majmaah visited the College of Engineering on Tuesday April 4th, 2016. The delegation consisted of 27 students under the supervision of the student adviser, Abdulkareem Al-Abdulkreem. The dean of engineering college, Dr. Abdullah Al-Abdulkareem, received the delegation at the hall of engineering clubs in the College, and welcomed the students. In his speech, he gave a general overview of the College, and talked about the importance of pursuing high education and the growing need of engineers in the job market. Dr. Ahmad Jalal gave an overview of the Department of Electrical Engineering, its majors and the job opportunities of each major. Dr. Ziad Al-Jaizawi then presented an overview on the Department of Mechanical and Industrial Engineering, and Dr. Yehya Al-Jahmani offered an overview on the Department of Environmental and Civil Engineering. The delegation undertook a tour of the College's facilities, laboratories, and Departments to demonstrate the educational process and the social services. It also visited the engineering drawing halls and the mechanical workshops, and looked at the equipment used at the workshops and different laboratories. Finally, the delegation thanked the College for the effort in developing the College and for the warm welcome and hospitality

□





Ibn Baz High School Students visit the College of Engineering

A delegation of 24 students from Ibn Baz High school (from Al-ZULFI) visited the College of Engineering on April 6th, 2016.

The Vice-dean of academic affairs Dr. Saleh Aldahash, received the delegation at the hall of engineering clubs in the College, and welcomed the students with their supervisor. He sorts out the college, and that the need to study hard to join the college. He also informed them about the increasing need of the labor market for engineers. Then, Dr. Ahmad Jalal gave an overview of the Department of Electrical Engineering, its tracks and the job opportunities of each one. After that, Dr. Ziad Al-Jaizawi and Dr. Yehya Al-Jahmani resented an overview on the Department of Mechanical and Industrial Engineering and Department of Environmental and Civil Engineering respectively. The delegation undertook a tour of the College's facilities, laboratories, and Departments to demonstrate the educational process and the social services. It also visited the engineering drawing halls and the mechanical workshops, and looked at the equipment used at the workshops and different laboratories. Finally, the delegation thanked the College for the effort in developing the College and for the warm welcome and hospitality.

