

Departmental Activities Report

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Computer Engineering, Faculty of
Engineering, Fall Term of 2017-
2018



Providing Aid for Nanakali Cancer Hospital

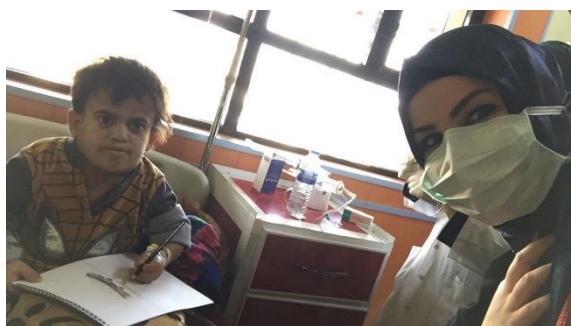
Type of the Activity: Social Activity

Code: DA 11

Date: 9, November, 2017

Venue: Nanakali Hospital - Erbil

Brief Description: Nanakali Hospital Aid is an ongoing project, organized by Computer Engineering department and was started back in December, 2016. This project is aimed to help cancer-stricken children and to raise the level of awareness among the University staff and students about the realities and special needs of those children. As per the agreement signed between the hospital administration and Ishik University's Computer Engineering department in February, 9th, 2017, a monthly salary for two recruited nurses has been provided by the department with the help of staff and students donations.



Cultures of Today's Tech

Type of the Activity: Seminar

Code: DA 5

Date: 14, November, 2017

Venue: Ishik University

Brief Description:

A seminar titled: Cultures of Today's Tech was given by Korek Telecom, one of the leading telecom companies in Kurdistan and Iraq, on 14th of November. The first session which was given by Mr. Dilan Botani from Human Resources Unit covered CV creation and Interview preparation techniques while the second session given by Mrs. Shireen highlighted the role of technology in our daily life, as well as Korek Telecom Company's involvement in this fast-paced technological advancement.



Let's Eat Together

Type of the Activity: Social Activity

Code: DA 11

Date: 16, 23 November – 21, December, 2017

Venue: Ishik University

Brief Description:

Computer Engineering's staff and students hosted a series of lunch gatherings (from November, 16th for third grade, November, 23rd for second grade and December, 21st for First grade) where the students the department's lecturers and research assistants gathered at the university garden. These activities took place during lunch break in which the students and staff enjoyed the traditional Kurdish cuisine.

The atmosphere was warm and welcoming, everyone enjoyed the little get-together and the students had a good chance to get to know each other more and have a day to remember.

At last, the students and staff all volunteered to clean up the tables and pictures were taken to conclude these memorable days.



Learning Outcomes Matrixes

Type of the Activity: Workshop

Code: DA 1

Date: 20, December 2017, 09, January 2018

Venue: Ishik University

Brief Description:

A Workshop titled: Learning Outcomes Matrixes was prepared and given by Ms. Rasha AlKabbanie from Ishik University's ISO office. Day one of the workshop gave a general overview about the accreditation process and focused on the importance of writing clear and well-structured learning outcomes and the methods to write them. Whereas Day 2 of the workshop covered Learning outcomes matrix and how to prepare it.



Latest Features in MATLAB and Simulink

Type of the Activity: Workshop

Code: DA 1

Date: 16 - 23, January 2018

Venue: Ishik University

Brief Description:

MATLAB workshop took place over five days starting from January 16, 2018 and was conducted by Dr. Selcuk Cankurt and Dr. Abbas Muhammad.

Using MATLAB helps to analyze data, creating numerical models, visualizations and performing calculations more effectively. the workshop encouraged sharing of ideas and best practices and integration of themes and tools across areas.

The workshop covered broad range of topics in different sessions, in theory sessions attendees learned about the new features of MATLAB, while in the hands-on sessions, attendees learned to interact with the MATLAB tool and apply it effectively through interactive exercises and tutorials.

LaTeX Workshop

Type of the Activity: Workshop

Code: DA 1

Date: 20, February 2018

Venue: Ishik University

Brief Description:

The department of computer engineering will hold a workshop on LaTeX on Feb 20, 2018. This workshop will focus on how to use LaTeX which is a high-quality typesetting system; presentation will be given by a team of Computer Engineering Department staff. Participants will learn the need of using LaTeX, and how to use it to help them to get the most accurate and reliable results of making scientific documentation.

The workshop will take place over one day. In the morning lecture sessions, attendees will learn more about the features of LaTeX, whereas in the afternoon hands-on session, attendees will learn to interact with LaTeX software and apply it effectively through interactive exercises and tutorials.

The morning lecture session will take place on Tuesday, February 20, from 11:00 am to 12:30 pm, in 201 Hall. Morning sessions are open to all participants and registration is not required.

The afternoon hands-on session will take place on Tuesday, February 20, from 13:30 to 15:30. The afternoon session is aimed at more advanced scholars who are already familiar with the basic of the LaTeX. Attendance at the hands-on sessions is limited to 20 participants.

Registration for the hands-on sessions is mandatory and open through Monday, February 19 at the link provided below:

https://docs.google.com/forms/d/e/1FAIpQLScGCU_5oz5e39U3ItemJa6HyTyahCY6kEEtyO1N2UuXY7MZ6A/viewform

IEC2018 (International Engineering Conference)

Type of the Activity: Organizing Conference

Code: DA 2

Date: 26, 27 February 2018

Venue: Erbil Polytechnic University and Ishik University

Brief Description:

Ishik University and Erbil Polytechnic University hosted 4th International Engineering Conference on Development in Civil & Computer Engineering Applications on February 26 and 27, 2018. The aim of the conference was to disseminate research findings and provide a platform for scholars to debate and exchange ideas on the developments in the field of engineering. The conference proceedings will be indexed by Google Scholar Databases and each paper will have DOI number. Furthermore, the conference provides our graduate students a chance to establish communication with experienced researchers in order to discuss their current work as well as to be engaged in future research topics, and new opportunities.

Computer Engineering teaching staff and assistants led by Dr. Selcuk Cankurt, Mr. Musa M. Ameen, Dr. Gunter Senyurt and Dr. Saman Mirza along with the help and support of Mr. Safwan Mawlood contributed in successfully organizing the event and writing the proceeding book.



Koya University Trip

Type of the Activity: Academic Trip

Code: DA 4

Date: 23 April 2018

Venue: Koya University

Brief Description:

The department of Computer Engineering has always been keen on promoting the integration of theoretical knowledge and hands-on experience and in this regard, the department has organized a scientific trip to Koya University's Process Control Laboratory on April, 23rd 2018, with the help and supervision of Mr. Safwan Mawlood, head of Computer Engineering department along with the contribution of Dr. Goran Abdulrahman, the lecturer of Control Systems at the department who both coordinated the trip.

The students of third and fourth grade of the department, accompanied by Dr. Gunter Senyurt, supervisor of third grade along with two research assistants: Mr. Mohammed Salam and Ms. Israa Nazhat, arrived at Koya University by 10:30 AM. The head of Software Engineering department, Mr. Peshawa Jammal welcomed the students upon their arrival and guided them to the auditorium where a brief introduction of the mission, vision and history of the department was given. Later on, the students of fourth grade had a lab session in Process Control laboratory where theory was put into practice and some of the control systems developed to control temperature and heat transfer apparatus were thoroughly explained.

Students of third grade on the other hand had a tour in the Software Engineering department building with Mr. Peshawa where they got to see the studying halls, laboratories and equipment used within the department.

To conclude a successful trip, the students of both grades along with their supervisors had a well-deserved break in the University park where they enjoyed the beautiful weather and took group photos to keep this wonderful day remembered.



NICE2018 (National Innovation Competition in Engineering)

Type of the Activity: Exhibition

Code: DA 6

Date: 6 May 2018

Venue: Ishik University

Brief Description:

The 4th National Innovation Competition in Engineering (NICE2018) which is organized annually by Ishik University's Engineering Faculty was held on Sunday, 6th of May under the theme of "Targeting Smart Sustainable Innovations".

NICE (National Innovation Competition in Engineering) is an annual competition where undergraduate students from Kurdistan and Iraq can showcase their innovative and sustainable solutions to the most pressing challenges facing the region. The competition aims to explore the ability of the students and provide a platform for the students to present their projects to the markets and exchange ideas on the developments in the field of engineering.

The competition was held in 5 different categories and for this year's edition, Computer Science and Engineering category had the highest participation rate with more than 80 projects ranging from Hardware to software projects, with 19 projects from Computer Engineering department.

The competition started at 10:00 AM with the opening ceremony and a speech given by CEES ACM Iraq's chapter manager, Dr. Abdulatheem Abdulkarim. At around 11:00 AM, the projects were demonstrated to NICE2018 jury to be evaluated. The winners for this year's Software Category were a group of 4th year students consisting of 4 team members namely (Rawa Dlshad, Blnd Nariman, Bzwen Tahir and Zainab Abdullah) with their project titled "Digital Medical Transcript" which is supervised by Dr. Selcuk Cankurt. Whereas the winners for Hardware Category were a group of students from Ishik University / Sulaimani. Below is the list of the 1st, 2nd and 3rd place winners from both Hardware and Software category.



IPC 2018 (Ishik Programming Contest)

Type of the Activity: Academic Competition

Code: DA 9

Date: 14 May 2018

Venue: Ishik University

Brief Description:

Department of Computer Engineering in collaboration with Department of Information Technology organized 1st Annual Ishik Programming Contest (IPC2018) among its undergraduate students on May 14, 2018.

This year's Ishik Programming Contest (IPC2018) focused on competitive programming challenges for freshman and sophomore students of Computer Engineering and IT Department. Besides improving students' knowledge of algorithms and programming languages, they'll gain unique experience in problem solving, thinking outside the box and meeting tough deadlines – all essential for boosting students' value as a programmer.

In IPC2018, first year students from Computer Engineering department and second year students from Information Technology department competed by solving 4 problems according to provided specifications for three hours, where they used (C++ Programming Language) for this contest. As a distinctive event, it is focused on providing a platform for students to improve and demonstrate their problem solving and programming skills.

12 students participated from both departments. All the participants got Participation Certificate and the first three places got awarded. The winners were Ahmad Farhad (IT - First Place), Hasna Alaa (Computer Engineering - Second Place), and Babo Maher (IT - Third Place).

