

COMSATS UNIVERSITY ISLAMABAD

LAHORE CAMPUS

FA18

NEWSLETTER



COMPUTER SCIENCE DEPARTMENT

Message From Dean

I welcome you all on the behalf of the Computer Science Department. In comparison to other disciplines our students are getting more skillful in modern technology. We see our students as excellent programmers, researchers and analysts in the future. We are well aware of everyday breakthroughs in modern technology and thus are committed to equip you with advanced competencies to manage the growing needs of sciences and technologies. Our highly qualified faculty members ensure that you have a solid technical grasp on different subjects to apply this



Message From HOD

I humbly request faculty of computer science department to devote their full synergy for preparing our students as successful citizens and computer science professionals that can face all challenges of life. The future of youth is in our hands and we should play our role to the best of our capacity. I also request my dear students to work hard and focus on your study. The field of computer science is very demanding but you require skills to compete with your fellows across the globe. Good luck to faculty and students for the next semester.



Seminars & Workshops

Student Branch

Dr. Wajahat Mehmood Qazi, faculty member from Computer Science Department, achieved the IEEE Robotics and Automation Society Student Branch Chapters at CUI, Lahore Campus.

DARC Meeting

The HOD Computer Science and DARC members held a meeting with the faculty members of the Computer Science Department on 24th October, 2018 at the GP Lab at 11:30 am.

Faculty Meeting

A Meeting was held between the honorable HOD Computer science and the faculty members on 4th December, 2018 at the GP Lab. The agenda of the meeting was to discuss the NCEAC Accreditation visit.

New Lab

A new lab C-01 was inaugurated in the Computer Science Department by the honorable HOD Computer Science on 21st December, 2018 at 2:00 pm after the Jumma prayer.

NCEAC Team Visit

The NCEAC accreditation committee visited CUI Lahore Campus on 5th December, 2018 for accreditation purposes of the BSCS degree programs. The committee visited the campus again on 26th December, 2018 for the accreditation purposes of the BSSE degree program.

Meeting with Director

A meeting between Director Dr. Qaisar Abbas CUI Lahore campus, HOD Dr. Ghulam Rasool (CS Department) and Computer Science faculty members was held on 19-07-18. Worthy Director CUI, Lahore campus briefed the participants about new developments in CUI with a focus on the Lahore Campus. Academic and Departmental matters were discussed in a broader spectrum in the meeting.



Workshop

Dr. Wajahat Mehmood Qazi, faculty member from Computer Science Department, achieved the IEEE Robotics and Automation Society Student Branch Chapters at CUI, Lahore Campus.

Meeting with Dean FIST

A meeting of Dean FIST, Dr. Asad Husain and Dr. Ghulam Rasool (HOD, CS Department) with PhD faculty members of Computer science department was held to discuss appraisal related issues in current semester.



Exam Board Meeting

The Exam Board Meeting of COMSATS – Lancaster Administration with HOD (CS) and senior faculty members was held on 8th August 2018.

Orientation and Workshop

On 31st August 2018, Department of Computer Science organized an orientation for the newly hired faculty members, visiting faculty and Internees. Dr. Farooqi gave a warm welcome to the new members of CS Dept. proceeding forward, HOD (CS) Dr. Ghulam Rasool, gave a brief introduction about the departments functioning. An academic overview presented by Associate HOD Dr. Usama Bajwa. The faculty were then briefed, trained and informed about the campus procedures and research activities by the senior faculty Dr. Wajahat Qazi and Dr. Atifa Athar. The session was concluded by an address from the respected chairman computer science department Prof. Dr. Zulfiqar Habib.

Winner of Hajj Draw

The Director CUI, Lahore Campus along with Director CUI, Sahiwal Campus and Head of Academics Research attended and selected winners of Hajj 2019 through a lucky draw held on 7th December 2018. A Staff member of Computer Science Department Mr. Azhar Iqbal won the Hajj draw 2019.

Interviews of post Graduate Programs

The department of Computer Science successfully conducted interviews of PhD candidates, MSCS candidates, visiting faculty positions, and internship positions. The interview panel consisted of seniors faculty members. Interviews were conducted for 14 PhD candidates, 205 MSCS candidates, 16 faculty position candidates and 12 internship position candidates.

Power of Health

Dr. Rao Adeel Nawab arranged a seminar “Power of Health” on Friday, 07 September, 2018 from 11:40 AM to 12:40:PM in Seminar Room, A-Block. In this seminar Dr. Rao Muhammad Adeel Nawab addressed about the importance of health in our life



Power of Mental Health

Dr. Rao Adeel Nawab arranged a seminar "Power of Mental Health" on Friday, 5 October 2018 11:40 AM to 12:40:PM in Seminar Room, A-Block. In this seminar Dr. Rao Muhammad Adeel Nawab addressed about the importance of healthy mind in our life.

Power of Mental Health2.0

Dr. Rao Adeel Nawab arranged a seminar "Power of Mental Health Part 2" on Friday, 09 November 2018 11:40 AM to 12:40:PM in Seminar Room, A-Block. In this seminar Dr. Rao Muhammad Adeel Nawab addressed about the importance of healthy mind in our life

Power of Mental Health 3.0

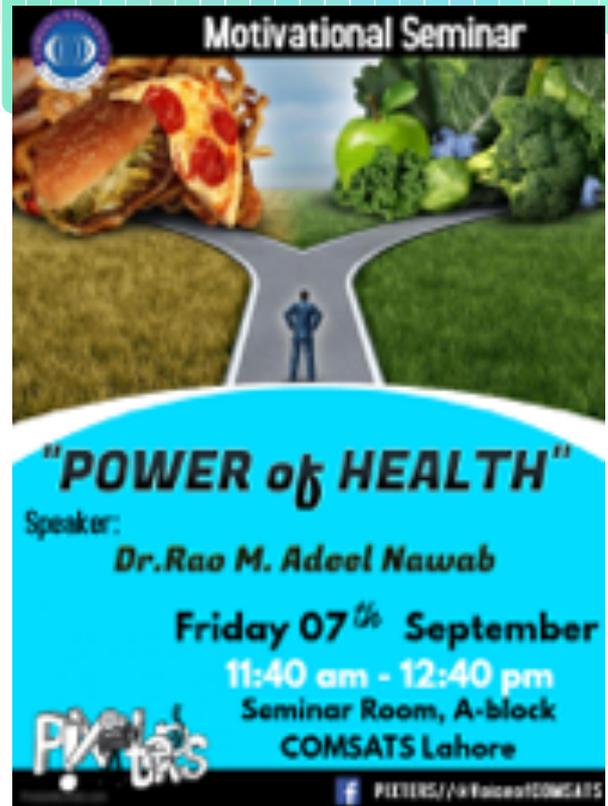
Dr. Rao Adeel Nawab arranged a seminar "Power of Mental Health PART 3" on Friday, 21 December 2018, 11:40 AM to 12:40:PM in Seminar Room, A-Block. In this seminar Dr. Rao Muhammad Adeel Nawab addressed about the importance of healthy mind in our life.

Speed Programing Competition

Department of Computer Science organized a local speed programming competition within students of CS/SE on advice of Respected Rector CUI and Dean FIST on dated 5th October 2018. The department and higher administration announced Cash prizes and certificates for winning students. The main objective of competition is motivation and awareness to excel and follow latest trends in the field of IT.

Technical Workshop

Department of Computer Science organized technical workshop for Lab Staff members.



Cloud Computing

Department of Computer Science faculty member Mr. Junaid Anjum organized a successful seminar on latest Technologies (Firebase and latest Cloud Computing) in the field of Information Technology with the cooperation of Computer Science Department and IO-DEVS a software provider company on Dated 27th September 2018. Students and faculty members actively participated in it.

CS Talk

Department of Computer Science ACM student Chapter organized a seminar titled "CS-Talk" on dated: October 2, 2018. This seminar features guest speakers from the software industry and event is aimed to provide students a broader view of industrial practices and to bridge up the gap between industry and Academia.

Events

Trip to Army Museum

On 31st July 2018, a one day trip to the army museum was organized for the Faculty of Computer Science Department. It was an opportunity for the faculty to reflect on the might and prowess of our military throughout history. It sparked a new intrigue within the faculty members to deliberate as to what the new dimensions of war are and how technology is playing a pivotal role in the defense of our homeland. By the end of the visit, respect was paid to the martyrs who have bravely sacrificed their lives to keep us safe. Afterwards, a lunch at Ziafat restaurant had been arranged. The trip was a break from the monotony of daily work for the faculty, who thoroughly enjoyed it.



Plan 9 Event

The Department of Computer Science faculty members Mr. Asif Shahzad and Mr. Abdul Qayyum along with 38 students visited Plan9 Launch pad event on dated: September 13, 2018. Students actively participated in startup exhibitions and attended panel talks. All Students feedback was very positive, specifically about the panel talks and all the participants are thankful to Computer Science department for organizing such visit.

Independence Day Celebration

On 14th August 2018, to celebrate Independence Day a flag hoisting ceremony was held at CUI, Lahore Campus at 09:00 AM. HOD (CS) Dr. Ghulam Rasool along with many respected faculty members participated in the ceremony in a show of patriotism. The National Anthem was recited. CUI Lahore campus Staff and security personnel and students also participated enthusiastically.



Anti-Dengue Campaign

On 5th August 2018, a campus wide Anti-Dengue campaign was carried out. Executed at an ideal time during summer vacations, the aim of the campaign was to cull the threat of dengue on campus. The Campaign was one of many steps the university has taken towards its dedication to provide a healthy environment on campus.



Plantation Campaign

On 14th August 2018, a Plantation campaign was held after the conclusion of the flag hoisting ceremony. It was an initiative by Ms. Asmara Safdar and students of the computer science department, which then became a campus wide activity at CUI Lahore Campus. The worthy HOD (CS) Dr. Ghulam Rasool and the respected Faculty members participated voluntarily in the campaign to contribute towards a national cause of a greener Pakistan.



HOD Meeting

A meeting of HOD(CS) and DARC members with faculty of Computer Science Department was held on Wednesday 24th October 2018 at 11:30 am in Lab GP.



Pak-China Business Forum

The PCBF secretariat at COMSATS University has been organizing this program since 2012, with great success. The program is organized to promote university and industry collaborations among both countries in the business and economic sectors. After five successful Pak-China Business Forums, the sixth forum was held in September 2018 at Expo Center Lahore.



BBQ Party

Faculty of Department of Computer Science, CUI, Lahore Campus, organized a contributory BBQ on Tuesday, October 23, 2018, 1:30 pm at Faculty Lounge, New Cafeteria.



Christmas Celebration

An event was organized for employees belonging to the Christian community on 21 December, 2018 at the Terrace of the new Cafeteria. The purpose of the event was to show solidarity with the community. The worthy director CUI Lahore Campus graced the occasion with his presence.



Awards

Funding by IGNITE

Three FYPs from Computer Science Department were selected and funded by IGNITE (Formerly ICT R&D Fund) under the NGIRI program. The FYP supervisors are:

Dr. Usama Ijaz Bajwa, Moeed Khalid and Ali Raza, "Symantic Labeling of HSR Images"

Mr. Imran Raza, Nida Fatima Sandhu, Saad Amin and Zain Khalid, "An Adaptive Decision for Agriculture and Irrigation in Pakistan"

Mr. Mohsin Mehdi, Ahsan Noor, Hamza Rasool and Zain Attiq, "Limited Campus Automation System Tool"

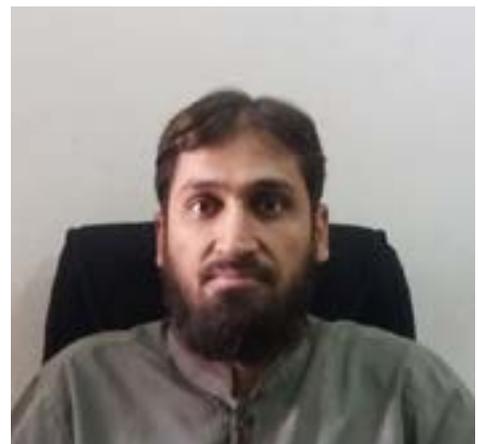
Multilingual Author Profiling

The Department of Computer Science faculty members Dr. Rao Muhammad Adeel Nawab, Mr. Muhammad Sharjeel, Ms. Saba Anwar, and Ms. Mehwish Fatima participated in an international competition "Multilingual Author Profiling on SMS Task" in collaboration with Forum for Information Retrieval Evaluation (FIRE'18), 7th-9th December 2018, DAICT, Gandhinagar, India.



Blood Cell Counting and Segmentation

A chapter authored by Dr. Muhammad Aksam Iftikhar has been published in a book titled "Intelligent Technologies in Healthcare". The title of the chapter is "Blood Cell Counting and Segmentation Using Image Processing Techniques".



SRGP Funding

Department of Computer Science faculty member Dr. Faizan Ahmad won SRGP funding from HEC

Systematic Literature Review

Head of Department Computer Science, Dr. Ghulam Rasool article titled: "A Systematic Literature Review on the Detection of Smells and their Evolution in Object-Oriented and Service-Oriented Systems" was published in Journal: "Software Practice and Experience".

Student Week

Opening Ceremony

The Opening Ceremony of "Student Week Fall 2018" was held on Friday 19 October, 2018 in Cricket Ground at 10:00 A.M. Worthy Director CUI Lahore campus Prof. Dr. Qaiser Abbas graced the occasion as Chief Guest. Mr. Ahmed Shahzad (Test Cricketer) was the guest of honor of the ceremony. Inter-Campus cricket championship match between COMSATS Lahore and COMSATS Vehari was played after the Opening Ceremony.



Mehfil e Ishq

On Friday, 19th October 2018, on welcoming the student week, CS Department participated in organizing spiritual "Mehfil e Ishq". The whole faculty gathered for the event. Milad commenced with the recitation of a few verses from the Holy Quran. Naats recited by Nadeem Liaqat Bodla, a staff member of CS Department. Mr. Nadeem shed light on some events from the Holy Prophet's (PBUH) life before reciting Qaseeda Burda Shareef. He refreshed the souls of the audience by reciting the Holy Naat. Sweets were distributed among teachers during the Milad.



Mousik Rave 3

Under the supervision of Ms. Asmara Safdar and Ms. Neelam Zaman, the students of the computer science department organized a concert on 20th October, 2018 at N Block. Falak Shabir performed at the concert.



Auto Show

An auto show was organized; under the supervision of Ms. Tooba Ahmed; featuring a number of luxury, sports and vintage cars as well as heavy bikes on 20th October, 2018 at the D Block faculty parking lot. "Rides and Miles", a female group of bikers also participated in the show.



Aik Sham Wasi Shah Kay Naam

An event celebrating poetry and classic music was organized by Danish Society of Library Information Services in collaborations with Media Innovation and Networking Tribe. The event held at N Block on 21st October, 2018. A dialog with Syed Wasi Shah was held at the event



LOCAL HACKDAY

On 1st December 2018, an International event, which is sponsored by Microsoft and hosted by GitHub, gave us the honor to collaborate with them celebrate this day for the Computer Scientists. The event includes Seminars, Workshops, PC Game challenges (battles), Innovative ideas. ACM Students Chapter organized this event under the supervision of faculty, Mohammad Mohsin Mehdi and Imran Raza. They engaged the audience of Intermediate level who are geek lovers and want to pursue their passion in future.

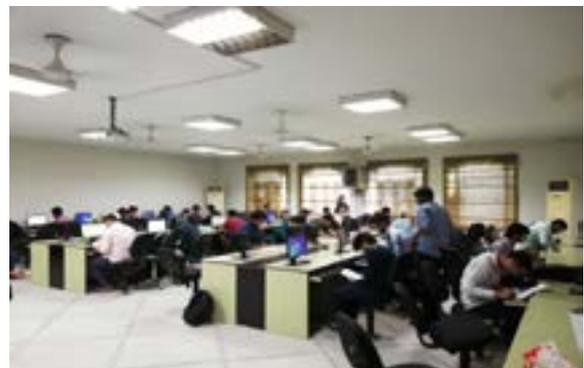
TECHFEST 18

The Department of Electrical and Computer Engineering organized TechFest 18 from the 22nd to the 24th of October, 2018 at the ECE Department. The event was organized under the supervision of Mr. Syed Junaid Akhtar. The event was inaugurated by the worthy director.



CODERED

On 22nd and 23rd October 2018, ACM Students Chapter Society, organized a healthy activity for the students of COMSATS and invited other universities. The event was based on multiple competitions like, Speed Programming, Quiz Competition (Buzzer round) and Poster design competition. Students from UCP, UMT, UoL, PUCIT and GC University took part in the event. They enjoyed all the activities included in this event. Winners of Speed Programming, Quiz Competition (Buzzer round) and Poster Design Competition were awarded with Cash Prizes, and Certificates. The event was held under the supervision of faculty member, Mohammad Mohsin Mehdi and Imran Raza. In speed programming, CUI got first prize, PUCIT got 2nd 3rd prize. In quiz competition, CUI won 1st prize, PUCIT won 2nd prize.



PIXTERS Mela

A festival was organized by PIXTERS (COMSATS Media Society) under the supervision of Mr. Zaheer Ahmed Gondal. The “Mela” was held on 22nd October, 2018 at the C Block ground. Worthy Director CUI Lahore Campus inaugurated the Mela. The event set a jovial atmosphere with many cultural and open stage performances, as well as with a variety of food stalls for people to enjoy. Some recreational games were also organized, such as “Dodge the Ball” and “Catch the Kurrar”.



Closing Ceremony

The Closing Ceremony of Student Week Fall 18 was organized at CUI, Lahore Campus Cricket Ground on 24th October, 2018 (Wednesday) at 03.00 P.M. Worthy Director CUI, Lahore Campus graced the ceremony as Chief Guest. A cricket match was played between Faculty/Administration teams of CUI, Lahore and CUI, Sahiwal Campus.



Research Publications

- 01** Maria Nazir, M. Ahsan Latif, Naheed Akther, M. Adnan, and Anam Ahsan, "MACHINE LEARNING APPROACH FOR PRECIPITATION ANALYSIS FROM LIMITED CLIMATIC DATA", ICE2018 Conference Lahore Pakistan.
- 02** Ifrah Pervaiz, Muhammad Khurram Shahzad, and Dr. Rao Muhammad Adeel Nawab, "Word Net based Semantic Similarity Measures for Process Model Matching", BIR 2018 conference.
- 03** Zeeshan Gillani, "Taxifolin prevents postprandial hyperglycemia by regulating the activity of amylase: evidences from an in vivo and in silico studies", Journal of Cellular Biochemistry, Impact Factor: 3.085.
- 04** Mahmood Ashraf, Sehrish Majeed, Thabit Sabbah, Mohammad Abrar, Furkh Zeshan, "Comparative Analysis of Mobile Phone Usability for Younger and Older Adults", Indian Journal of Science and Technology (ISI, Q2), 2018.
- 05** Akin Levent, Bayram Sahin, Zulfiqar Habib (2018), "Spiral Transitions, Applied Mathematics", A Journal of Chinese Universities - Springer, Volume: xx, Issue: xx, Standard: 1005-1031 (print version), 1993-0445 (electronic v), Impact Factor: 0.507.
- 06** Mr. Imran Raza and his team paper "A Survey of Cloudlet-Based Mobile Augmentation Approaches for Resource Optimization," ACM Computing Surveys. Impact Factor: 6.748.
- 07** Dr. Muhammad Aksam Iftikhar, Khan Bahadar Khan, Amir A. Khalid, Abdul Jalil, Najeeb Ullah, Muhammad Waqar Aziz, Kifayat Ullah, Muhammad Shahid, research paper titled "A survey of Retinal Vessels Extraction Technique: challenges, taxonomy and future trends", Springer Journal-Pattern Analysis and Applications Impact Factor: 1.281.
- 08** Muhammad Shahid Bhatti, Syed Asad Hussain, Abdul Qayyum, Abdul Karim Shahid, Muhammad Usman Akram, Sajid Ibrahim Hashmi. Paper titled "Using Sab-lomha for an Alpha Channel based Image Forgery Detection" in Journal: (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 9, No. 8, 2018.
- 09** Majid, L. Chen, H.T. Mirza, I. Hussain, G. Chen (2015), "A system for mining interesting tourist locations and travel sequences from public geo-tagged photos", Data & Knowledge Engineering (DKE), Elsevier. pp: 66-86, Vol: 95. Impact Factor: 1.764.
- 10** "Muhammad Ahmad Shahid, Muhammad Aksam Iftikhar, Zaheer Ahmad Gondal, Saima Rathore, Muhammad Adnan" paper titled "Object Size Measurement through Images - An Application to Measuring 2018 Human Foot Size" Accepted in FIT
- 11** Nisar Hussain, Tayyaba Anees, Muhammad Rehan Faheem, Momina Shaheen, Muhammad Imran Manzoor, Aimen Anum journal titled: Development of a Novel Approach to Search Resources in IoT published in International Journal of Advanced Computer Science and Applications (IJACSA). Publication date 2018/10/1, in Vol 9, issue 9 Pages no: 385398.
- 12** Muhammad Awais Shoukat, Allah Bux Sargano, Zulfiqar Habib, Lihua You, Automatic Depth Estimation from Single 2D Image via Transfer Learning Approach, 2nd European Conference on Electrical Engineering & Computer Science, Bern, Switzerland, IEEE Computer Society Press, USA, Dec. 20-22, 2018.

13 Aqib Mumtaz, Allah Bux Sargano, Zulfiqar Habib, Violence Detection in Surveillance Videos with Deep Network using Transfer Learning, 2nd European Conference on Electrical Engineering & Computer Science, Bern, Switzerland, IEEE Computer Society Press, USA, Dec. 20-22, 2018, <http://www.eecs-conf.org/>.

14 Muhammad Imran Manzoor, MominaShaheen, Hudaibia Khalid, AimenAnum, Nisar Hussain and M. Rehan Faheem paper titled "Requirement Elicitation Methods for Cloud Providers in IT Industry" was accepted in International Journal of Modern Education and Computer Science (IJMECS).

New Faculty Hirings



Hafiz Muhammad Tahir
Lecturer CS



Sheeza Zaheer
Lecturer CS



Tahir Muhammad
Lecturer CS

Newsletter Team



Dr. Atifa Athar



Zaheer A. Gondal



Momina Shaheen



Humera Faisal



Syed Burhan ud Din



Zimmar Ahmed



Hamza Rizwan