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Capital University of Science and Technology Islamabad

NEWSLETTER



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Sports Week 2019

2019



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7thExcITeCup

2019



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Dr.M. Mahabat Khan

2019



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Sports Week 2019



Sports are known to enhance not only physical fitness and endurance, but at the same time they help to enhance the mental performance of the students as well. Along with studies, sports provide a break to students from their hectic and monotonous routine, and they also refresh them for their academic tasks. Keeping all this in view, Sports Week 2019 was held at Capital University of Science and Technology Islamabad from March 18 to 22, 2019. More than 600 students participated in different sports events.

The overall interest and participation was overwhelming. Both boys and girls competed in a total 26 inter-departmental competitions including Cricket, Football, Volleyball, Squash, Tennis, Table Lawn Tennis, Basketball, Badminton, Snooker, Chess, Tug of War and Athletics.

For the first time, eight different departmental teams participated in these tournament including departments of Management Sciences, Computer Science, Electrical Engineering, Biosciences, Mechanical Engineering, Civil Engineering, Software Engineering and Mathematics. Each department was issued its own colored kits and the matches were conducted in CUST premises, Shalimar Club and Paradise Snooker Club.

All these competitions were played on knockout bases and all matches were full of excitement and fiercely fought by all teams. The players, including boys and girls, competed with full passion and exhibited true sportsmanship. Participation of female students in all sports and athletics from all departments was remarkable.

The faculty members also participated actively not only to buck-up the teams of their departments, but they also participated in various faculty competitions which were specially organized for them. Overall, it was noted that the Sports Week is a very healthy activity and the students had been able to show their abilities other than studies. These sports activities will go a long way in grooming our students.



7thExcITeCup 2019

Capital University of Science and Technology Islamabad organized its national mega event known as ExcITeCup on April 13, 2019. The event is based on different creatively challenging activities for enthusiasts from fellow universities located in Islamabad and other cities of Pakistan. This was the 7th episode of ExcITeCup. The event offered total 9 competitions, including: Quiz, Programming, E-Gaming, AppThon, Poster Designing, Software Exhibition, Photography-idea, Table Tennis, and IT-Mushaira

This year twenty major universities affirmed their participation in ExcITeCup which included 121 teams and around 450 participants from different parts of the country. The main objective of this event was to provide a platform to the students belonging to the field of computer science and software engineering to showcase their talent with their peers, and to reward outstanding individuals, teams, and universities. It was a great opportunity for them to display their skills and ingenuity. It also helped them to prove their determination and fortitude.

The colorful mega ExcITeCup event officially started with a ribbon cutting ceremony by Prof. Dr. Muhammad Mansoor Ahmad, Vice Chancellor, Capital University of Science and Technology, Islamabad. The inauguration ceremony followed the citation of Holy Quran and a welcome address by Prof. Dr. Aamer Nadeem, the convener of ExcITeCup. He embraced and obliged the participant teams from various universities obsequiously. He also conveyed the objective of event to the guest participants, and provided the details of all competitions. The first half of the event consisted of Programming competition, Photography-idea discussion, AppThon-idea discussion, Gaming, Quiz Competition, Software Exhibition and Table tennis. The selection of Finalist transpired in the first half for further precedence. Lunch was served to the participants and faculty members afterward. All competitions perpetuated after lunch break. In the second half of ExcITeCup, Mushaira Competition, Poster Design Competition started, while the other Competitions moved to their decisive round with progression.

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The judgment was made in the second half of the competition; results were also announced in prize distribution ceremony by Prof. Dr. Aamer Nadeem.

The closing ceremony was graced with the presence of Mr. Saleem Rafik (Chairman & Co-Founder, Open Source Foundation Pakistan (OSFP), CEO OpenWare Business (OWB)). Prof. Dr. Nayyer Masood, Head of Computer Science Department presented the summary of the whole event. Later, the chief guest of closing ceremony was invited on stage to share his precious words with the crowd. He thanked for inviting him on this mega event; secondly, he congratulated the winners of the event and acknowledged the efforts of students forming progress in their field.

Dr. Muhammad Tanvir Afzal announced the winners and runners-up of all the competitions which led to the distributions of various prizes by the honorable chief guest, Mr. Saleem Rafik, Prof. Dr. Abdul Qadir, Dr. Nayyer Masood, and the Convener of the event Dr. Aamer Nadeem. Winning participants of different universities were presented with shields, prize money and certificates along with the IT Cup. In the last, Prof. Dr. Nayyer Masood presented the shield to the chief guest.



Work and Student Visa Opportunities for Fresh Students in New Zealand and Australia

Software Engineering Society organized a seminar on “Excellent Work and Student Visa opportunities for fresh and experienced students in New Zealand and Australia” on June 21, 2019 under the supervision of Mr. Syed Awais Haider. The seminar was organized to spread the awareness among male and female students about the higher education opportunities in New Zealand and Australia. The guest speaker, Mr. Ali Ayaz, delivered a lecture on the Excellent work and Student Visa opportunities for fresh and experienced students in New Zealand and Australia. He motivated and guided the students how they can get scholarships in their perspective fields. It was a knowledgeable session for the students. Mr. Syed Awais Haider thanked the society members, colleagues and students for the hard work and efforts they put in to make this seminar successful. Dr. Tanvir Afzal presented the shield to the guest speaker, Mr. Ali Ayaz. The seminar ended at Hi-tea to the guest speaker, faculty members and SE society team members.



Iqbal Day & Labor Day Celebration

Department of Computer Science, Capital University of Science and Technology Islamabad organized an event to celebrate “Iqbal Day” and “Labor Day” on May 03, 2019. The event was organized under supervision of Ms. Humera Aftab. Guest speaker of the event was Mr. Ammar Rashid.

Mr. Ammar Rashid is a development professional, researcher and academic by profession. The event started with the recitation of the Holy Quran. Later different students expressed their views regarding poetry and philosophy of Allama Muhammad Iqbal. Students shared their views on Labor Day and its importance. The guest speaker, Mr. Ammar Rashid, started off with sharing the historical background of Labor Day. Later he shared the importance of Labor Day and the current scenario of laborers at national and international level. It was an interactive and informative session where students shared their views and expressed their queries to the guest speaker which were satisfied as well. In the end, souvenir was presented to the guest speaker by the Head of Computer Science Department. Guest and the faculty was entertained with the Hi-tea in the end.



National Songs Singing Competition

A “National Songs Singing Competition” was organized by the Department of Computer Science, Capital University of Science and Technology Islamabad on March 28, 2019. It was arranged in recognition of Pakistan Resolution which was passed on March 23, 1940. Students of Technical Report Writing, Section 2 actively arranged the competition to make it a success. Students from different departments participated and the respectable jury consisted of Ms. Asma Naz, Mr. Awais Haider and Mr. M. Asad. The event was hosted by Minahil Baber and Muzna Iftikhar. In a very healthy environment the competition was held and many students from audience as well as judges participated for the sake of encouragement of the other students. Finally, the result was announced after the fair judgement. Chief guest of the event was Dr. Nayyer Masood, Head of Computer Science Department. He distributed shields and certificates among the position holders of the competition. Hi-tea was arranged for the judges and the winners of the competition. These kind of patriotic and heart-warming activities should be arranged frequently, so that we remain close to our roots and past.

Software Engineering Indoor Gaming Event

Software Engineering Program organized indoor gaming event under supervision of Mr. Samir Obaid. The event lasted from May 15 to 17, 2019. The venue of the event was conference room, F block and GYM. The gaming events were Ludo, Chess and Carrom board. Participants in the events were students of CUST from Faculty of Computing, Faculty of Engineering and Faculty of Management and Social Sciences. Total 82 teams participated in the events which showed students great interest in in-door games. The prize distribution ceremony was held in 2nd week of June and The Head Software Engineering Program, Prof. Dr. Aamer Nadeem honored the event.



X-Pert Cup 2019, UMT, Lahore

School of Systems and Technology at University of Management and Technology, Lahore (UMT) organized their annual software competition “X-Pert Cup-19” on May 04, 2019. The event comprised on a variety of competitions. Multiple teams from different universities across Pakistan participated in the event. There were 12 students from different semesters, who took part in the competition from CUST under the supervision of Mr. Muhammad Saqib, Junior Lecturer, Faculty of Computing.

CUST participated in 4 out of 9 events. CUST remained as runner up in Web Application Development competition, E-Gaming, and Mobile Application Development, while secured 8th position in peed Programming. Efforts of the students paid back and CUST team stood second. Students were honored with Rs. 3000/- cash prize with the shields and certificates. Overall, it was a good learning experience for the students. X-Pert Cup provided a very good platform to students to exhibit their talent in an academic competitive environment.



Ethical Issues Involving the Use of Live Animals in Research

Seminars on the “Future of Biotechnology” and “Ethical Issues Involving the use of Live Animals in Research” were organized by the Department of Bioinformatics & Biosciences, Faculty of Health and Life Sciences, Capital University of Science and Technology Islamabad. Seminars were held on April 12, 2019 under the supervision of Dr. Muzaffar Abbas, Head of Pharmacy Department. The guest speaker for “Future of Biotechnology” was Prof. Dr. Sohail A. Qureshi, Director Institute of Integrative Biosciences CECOS University, Hayatabad, Peshawar. The guest speaker for the seminar on “Ethical Issues Involving the use of Live Animals in Research” was Prof. Dr. Fazal Subhan, Department of Pharmacy, CECOS University of IT & Emerging Sciences, Peshawar.



Dr. Sohail A. Qureshi shared with the students that biotechnology is still a relatively new field with great potential for driving medical progress. Much of that progress is likely to result from advances in personalized medicine. This new treatment paradigm aims to ensure that patients get the therapies best suited to their specific conditions, genetic makeups, and other health characteristics. He discussed a new discipline called pharmacogenomics which seeks to determine how a patient's genetic profile affects patient's responses to particular medicines. Dr. Fazal Subhan discussed the ethical assessments related to the use of animals in research. It is generally thought that it may be necessary to use laboratory animals in some cases in order to create improvements for people, animals or the environment.

At the same time, the general opinion is that animals have a moral status, and that treatment of them should be subjected to ethical considerations. He told the students that the guidelines are dynamic and must be reviewed in line with technological developments and the appearance of new ethical issues. The seminar was a great source of information for the students. The souvenirs were presented to the guest speakers by Dr. Muzaffar Abbas and hi-tea was served to the guest speakers and the faculty members.

Department of Biosciences Annual Alumni Dinner 2019

The “Annual Alumni Dinner” was organized by GENIX, Department of Bioinformatics & Biosciences, Faculty of Health and Life Sciences, Capital University of Science and Technology Islamabad, on May 03, 2019 at Majesty Marquee, Islamabad. Dr. Erum Dilshad supervised the event.

It was a colorful event which provided an opportunity to the alumni to get together and enjoy. There were various activities arranged by the students like beat boxing performance, singing performances, dedication of songs and poetry as well. A shadow theater play, to pay tribute to Armed Forces, was also performed by the students of Batch 181. Dinner was served after the activities. Group photo of all the faculty members and guests was taken. The dinner concluded by various games for the students.



Three Cheers Game

The event “Three Cheers Game” was organized by Batch 183, Department of Bioinformatics and Biosciences, Faculty of Health and Life Sciences, Capital University of Science and Technology Islamabad. Dr. ErumDilshad, Patron GENIX, supervised the event which took place on May 03, 2019.

It was an interactive game and provided an opportunity to various departments of the university to participate in the event. The number of teams that participated in the event were 10. There were three levels of the game. For the concluding ceremony, respected faculty members were invited. Prize money and certificates were distributed among participants by Dr. ErumDilshad. The event provided a very healthy activity to the students which was also enjoyed by them a lot.



Too Legit to Quit

The event “Too Legit to Quit” was organized by Batch 171, Department of Bioinformatics and Biosciences, Faculty of Health and Life Sciences, Capital University of Science and Technology Islamabad. Under the supervision of Dr. ErumDilshad, the event took place on April 01, 2019.

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There were total 4 games arranged including: Sketching, A Minute to Win It, Pictionary and Arm Wrestling.

The event started with the “Sketching”. The Second game was “A Minute to Win It”. There were 8 Teams participating in this game with 3 rounds. The Third game was “Pictionary” which had 8 Teams. The team with the most words correctly guessed was chosen as the winner. Lastly the “Arm Wrestling” Competition was held which had 12 Participants competing. The person who forced the other person to touch the pad first was the winner. For the concluding ceremony, Dr. Sahar Fazal, HoD Bioinformatics and Biosciences and GENIX Patron Dr. ErumDilshad gave the Prize money to the winners and certificates were also distributed among participants by the faculty members.

Seminar on “The Global Epidemiology of Bladder Cancer: Where Do We Stand?”

Prof. Dr. Shaukat Iqbal, Department of Bioinformatics and Biosciences, organized a seminar on April 17, 2019. The topic of the seminar was “The Global Epidemiology of Bladder Cancer: Where do we stand?” The guest speaker was Dr. Khalid Farooq, Professor of Urology, Fauji Foundation Hospital, Rawalpindi.

Dr. Khalid Farooq, started the seminar with a brief introduction of cancer. The clinical presentations and causes of bladder cancer were discussed with the audience.

A major emphasis on understanding the symptoms was laid as majority of the patients are diagnosed at a very later stage. Various cases of patients were discussed and lack of awareness of the disease was identified as a major cause leading to death. Overall, the session was interactive, students showed keen interest in the topic. The seminar was a great source of information for the students. The souvenir was presented to the guest speakers by Dr. Shaukat Iqbal and hi-tea was served to the guest speaker and the faculty members in the staff room.

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Seminar on Climate Change Impacts: Science and Mitigation

Department of Civil Engineering, Capital University of Science and Technology Islamabad organized a seminar on “Climate Change Impacts: Science and Mitigation” under the supervision of Miss Aruba Waqar on April 02, 2019. The guest Speaker, Dr. Anjum Rasheed, is Assistant Professor in CCRD, COMSATS University, Islamabad. The guest speaker briefed the audience about the concept of climate change, its science, impacts and mitigation measures which are the major contributors of climate change, and how efficiently mitigate its impacts to achieve environmental sustainability. At the end, souvenir was presented to Dr. Anjum Rasheed by the Head of Civil Engineering Department, Dr. Ishtiaq Hassan.



Seminar on Graduation Anxiety

Department of Civil Engineering organized a seminar on “Graduation Anxiety” under the supervision of Miss Faiza Khalid on April 11, 2019. The guest Speaker, Mr. Abdul Rehman, is a Motivational Speaker and Gold Medalist Gymnast. He has an assorted experience of being an athlete, a Manufacturing Engineer and a motivational speaker. The main purpose of seminar was to make students realize the job scenario reality and what to expect when they graduate. It was also to discover their strengths and areas of interest, to set goals and to follow the right path; no matter what is the situation. The seminar provided students with an opportunity to interact and discuss their point of view and seek guidance. At the end, souvenir was presented to Mr. Abdul Rehman by Dr. Munir Ahmed of Civil Engineering Department.

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Workshop on PLAXIS

Geotechnical Modeling is one of the most complex tasks today and only a number of software can predict the original behavior of the soil strata. PLAXIS 2-D provides a frame work to model soil with greater accuracy amongst other software. PLAXIS 2D is a powerful and user-friendly finite element package intended for two-dimensional analysis of deformation and stability in geotechnical engineering and rock mechanics.

PLAXIS is used worldwide by top engineering companies and institutions in the civil and geotechnical engineering industry. Applications range from excavations, embankment and foundations to tunneling, mining and reservoir geomechanics. This workshop proved to be very informative and helpful.



OBE Training Session-Spring 2019 for Faculty and Lab Engineers, Civil Engineering Department

To get the faculty teaching in the Department of Civil Engineering in Spring 2019 semester familiar with Outcome-Based Education (OBE) system of Education, an OBE Training Session for Faculty and Lab Engineers Teaching in Civil Engineering Department was held on February 15, 2019. All the faculty and Lab Engineers, except those having classes, attended the session.

The training consists of Presentation in three parts. In the first part, Dr. Munir Ahmed, (in-charge of QA and OBE) briefed about the history, need and benefits of the OBE and Washington accord. He explained bloom's taxonomy, phrasing and drafting exam activities question statement as per CLOs, PLOs and their mapping with the of examples.

He further briefed about the CLO, PLO assessment, course review report (CRR) and use and maintenance of university portal in context of OBE system of Education.



In the second part, Dr. Majid Ali explained the course plan and briefly discussed about the coordination of Lab Engineers with their respective course instructor for making a course plan. In the third part, Engr. Mehran Sudheer briefed about the marking criteria for Labs and marks distribution in Mid-term and Final-term exam. During and after the presentations, the queries of the audience were also addressed.

Logic Masters Competition

IEEE, CUST Student Branch organized a competition named Digital Logic and Design Competition, under the supervision of Mr. Qazi Abdul Moqueet on May 03, 2019. There were total 27 students who participated in the competition to showcase their skills. The competition started with the announcement of rules of the competition. Moreover, time limit for completing all the tasks was two hours. In the end Mr. M. Haris Ali was presented the certificate of winner and certificate of runners up was presented to Mr. M. Hamza by Mr. Tanzan Tariq.



Signal Generation Competition

IEEE, CUST student branch "Organized Signal Generation Competition" on March 02, 2019. The competition started with the recitation of Holy Quran. The Lab Engineer, Mr. Amir Hamza told the participants about the significance of organizing such competitions as well as the rules of the competition. There were 23 students who participated actively in the competition. The winner was Mr. Huzaifa Javed and the runners up was Mr. Hassan Shahzad. Student's participation in the competition showed their intent to learn the technical skills.



Speed Wiring Competition

IEEE, CUST Student Branch organized a competition named “Digital Logic and Design Competition” on April 17, 2019 in digital electronics lab under the supervision of Mr. Qazi Abdul Moqueet. There were total 30 students who participated in the competition. The competition started with the announcement of rules and regulations. Moreover, time limit for completing all the tasks was two hours. In the end winner and runner up were announced. Miss Ammara Yasir was presented the certificate of winner and certificate of runners up was presented to Mr. M. Shoaib Imtiaz by Mr. Mudassar Tariq.



Front End Development Competition

CS Chapter, IEEE, CUST Student Branch organized a technical event “Front End Development Competition” on May 28, 2019. The organizer of this event was Muhammad Osama Ali. This event was supervised by Mr. Muhammad Usman, Lecturer, Department of Computer Science, CUST.



C++ Problem Solving Competition

CS Chapter, IEEE, CUST Student Branch organized a technical event “C++ Problem Solving Competition” on May 28, 2019. The organizer of this event was Muhammad Osama Ali. This event was supervised by Mr. Ghulam Mustafa, Lecturer, Department of Computer Science, CUST. Total 15 students participated with great zeal and zest. Sharjeel Mazhar won the competition and Abdullah Waris was the runner up.



Audio Amplifier Designing Competition

IEEE CUST student branch organized audio amplifier design competition on May 09, 2019. Mr. Wadood Alam, Lab Engineer, highlighted the importance of designing in electronics along with the rules of this particular competition. There were 25 students involved in the competition. There was a close tie among competitors. The winning team included Mr. AbuBakar and Miss Haleema and the runners up team included Mr. Jahanzaib and Mr. Danish. Students proved their skills of electrical circuits through this competition.

There were total 32 students who participated in this competition and showed great interest. Faiz Akbar won the competition and Muzammil Abbas was the runner up.

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Interface Evaluation Competition

CS Chapter, IEEE, CUST Student Branch organized a competition “Interface Evaluation Competition” on May 28, 2019. The organizer and supervisor of this event was Muhammad Osama Ali. There were 39 students who participated in this competition. The participants showed great interest in the competition. The winners of this event were Laiba Usman and Sundas Zulfiqar and the runner up was Abaidullah Amjad.



Visits of Mechanical Engineering Labs of CUST by Industrial Representatives

Industrial Outreach Committee invited representatives from the Industry to visit Mechanical Engineering Labs of CUST on July 31, 2019. Representatives from ASHRAE, Chief Executive Pak Agro Technology, General Manager CASTPRO Engineering, Chief Res. Engineer (OGDCL) etc. visited the labs. Two of the engineers who have qualified from CUST were also the member of the visiting team. The engineers and industrial representatives showed their satisfaction about the lab experiments and gave some suggestions which can further improve the learning process.



Dr. Muhammad Mahabat Khan

Dr. Mahabat Khan earned his PhD degree in Mechanical Engineering from France and worked there for five years. He joined CUST in 2015 as Assistant Professor. He is actively involved in research and more than 20 of his research articles have been published so far. Currently he is working as Associate Professor and Head of Mechanical Engineering Department, CUST.

Q.1. We would like to know about your academic and then professional background.

Dr. Khan. I have a Ph.D. degree in Computational Fluid Dynamics from Ecole Centrale de Lyon, France and Master's degree in Advanced Mechanical Engineering from University of Leeds, UK. I have worked as advanced development engineer in Continental Automotive,

France for more than five years where I secured the research grant of €2.3 million for design of fuel injection system for vehicle emission standards of Euro-6.



I also received a funding of £20,000 at University of Leeds, UK for characterization of turbulent flows in engines. I have been awarded as an outstanding reviewer of the year for International Journal of heat and Mass Transfer for year 2017-2018.

Q.2. Having studied abroad, we would like you to share your experience as a research student.

Dr. Khan. Studying abroad as a research student can be very challenging. The success requires discipline, self-motivation, ability to work independently and excellent critical thinking skills. Over the years, I got many exciting opportunities to make an original contribution to global knowledge by working with top academics and experts in my field. I attended many international conferences, training courses and worked with top research centers around the world which enhanced my technical and interpersonal skills.

Q.3. What are your areas of research?

Dr. Khan. My areas of research include Large Eddy Simulation, Flash boiling in automotive engines, High pressure spray injection systems, Multiphase flows, Phase Change Materials, Heat transfer enhancement and Renewable energy. I am also heading thermo-fluids research group at CUST and all interested mechanical engineering students are encouraged to join this research group and actively participate in new research activities.

Q.4. What is the scope/job placement opportunity of mechanical Engineering in Pakistan?

Dr. Khan. Mechanical engineers play key roles in a wide range of industries including automotive, aerospace, manufacturing, energy, biotechnology, computers, electronics, robotics and automation. Therefore, there is a big job market for mechanical engineers and the futures of our young engineers are very bright.

Q.5. Your message to the students.

Dr. Khan. Mechanical engineers are always on the forefront of making future technologies a reality. The knowledge that our students gain as mechanical engineers allows them to define and meet grand challenges of our society. The department of Mechanical Engineering at CUST, in this respect, is continuously adapting teaching methods and techniques to prepare students for future job market. This is the reason why our alumni find themselves in high demand for positions in some of the top corporate, government and academic institutions. In the end, I would like to encourage all Mechanical Engineering students to actively participate in international societies like ASHRAE and ASME which will give them edge over their competitors.

2nd First Aid Training, Organized by VIS Directorate-CUST, in Collaboration with Pakistan Red Crescent Society

2nd First Aid comprehensive training session was organized by VIS Directorate, CUST in collaboration with Pakistan Red Crescent Society on April 30, 2019 at CUST. The faculty and students of CUST participated in this training session. It was an informative session which helped to learn how to act wisely in case of any emergency. Participants showed great interest in learning the skills and session had been very interactive. Trainer was able to deliver the skills effectively and kept the participants fully engaged in the practical performance of the skills learnt.



It was a full day session. The training workshop ended with the closing remarks by the chief guest, Prof. Dr. Shaukat Iqbal, Director VIS-CUST and Dr. Ishtiaq Hassan, Head of Civil Engineering Department presented the souvenir to the trainer.

CUST-VIS Tabdeeli Society Oath Taking Ceremony

The event of “CUST-VIS Tabdeeli Society Oath Taking Ceremony” was organized by the volunteers in Service (VIS) CUST. The ceremony was held on March 07, 2019. Prof. Dr. Shaukat Iqbal Director VIS welcomed the faculty members in this ceremony. Dr. Ishtiaq Hassan, Head of Civil Engineering Department, Dr. Sehar Malik, Head of Biosciences & Bioinformatics Department and Dr. Shujja Safdar from Civil Engineering Department also graced the occasion. The oath taking ceremony was ended at tea and refreshment.

Orientation and Placement of VIS-CUST Volunteers

An orientation session was arranged by VIS Directorate for VIS-CUST volunteers on January 28, 2019. More than 200 students participated and benefited from this session. Director VIS-CUST along with his team members and Manager VIS-CUST graced the occasion. In his address to the students, Director VIS explained the objective of initiating VIS CUST and the importance and benefits of volunteerism in Pakistan.



Representatives from Akhuwat Foundation, Taaleem Foundation, READ Foundation, Muslim Aid and Believers Life Skill Trust also attended the event. They briefed the audience about their collaboration with CUST and their organization profile. After the orientation VIS-CUST volunteers were declared fully motivated and ready to start their community services.



Mall of Humanity by VIS-CUST & Akhuwat Clothes Bank

Students of VIS-CUST in collaboration with Akhuwat Clothes Bank managed to arrange "The Mall of Humanity" at CUST, Islamabad. The main objective was not only to provide gifts to the 200 families of staff of Capital University of Science and Technology but to show students the flipside of real world as this has been reflecting in the vision of CUST Leadership especially visionary Chancellor, Mian Amir Mehmood and Vice Chancellor Prof. Dr. Muhammad Mansoor Ahmed. VIS Directorate keeps organizing such activities and engages the students in community service. The team of VIS Directorate managed the event professionally. Students showed active participation. The event was well appreciated by team of Akhuwat Clothes Bank as well.



Special thanks to team of Akhuwat Clothes Bank, Vice Chancellor CUST, Prof. Dr. Muhammad Mansoor Ahmed, Director VIS-CUST, Dr. Shaukat Iqbal and Manager VIS-CUST.

Plantation Campaign

A "Plantation Campaign" was organized by the volunteers in Service (VIS) CUST and Office of the Chief Commissioner, Islamabad and Helping Hand for Relief and Development. The event was held on March 19, 2019. The guest team members from Office of the Chief Commissioner Islamabad and Helping Hand for Relief and Development supported the idea of plantation campaign. CUST faculty members and students fully participated in this campaign. Director Student Affairs, Dr. Muhammad Sagheer; Dr. Fazalur Rehman; and Dr. Mazhar also participated in this plantation campaign. More than 100 students of CUST participated in this campaign and planted more than 700 trees.



Seminar on Emotional Health

Department of Management & Social Sciences, CUST organized a seminar on "Emotional Health" under the supervision of Miss Rabia Habib on April 04, 2019. The guest Speaker, Ms. Saima Ashraf, is a renowned psychologist and motivational speaker in Islamabad. The Guest speaker explained the fact that depression, anxiety, stress, poor body image, grief, loss or a major change in our life, can all affect our mental and emotional health. She further discussed with the audience that we all need little stress to motivate us to get things done.

However, too much stress, particularly over a long period of time, can take its toll on our health and sense of wellbeing.

The main purpose of seminar was to make students realize how important it is, to take care of their emotional health. If the emotional health is out of balance, a person may experience high blood pressure, ulcers, chest pain, or a host of other physical symptoms. At the end, souvenir was presented to Ms. Saima Ashraf.

Seminar on Is Happiness the Key to Success?

Department of Management & Social Sciences, CUST organized a seminar on “Is Happiness the Key to Success?” under the supervision of Ms. Rabia Habib on April 30, 2019. The guest Speaker, Ms. Marqoozah Asif, is a Clinical Psychologist at Therapy Works, Islamabad.

Ms. Marqoozah shared the fact with the audience that interestingly, we all face suffering in various degrees, throughout our lives. Though it is normal, it can be hard enough to get through the difficult circumstances in life, but to do so with joy, says a lot about who we are.



The main purpose of the seminar was to make students realize that a smile or listening ear could be what saves a person from falling deeper into a pit, that one day, they may not be able to get out of. The primary aspect, scrutinized by the guest speaker was how students can prepare themselves for the challenges in life, how they can compete in life and develop skills to improve social behavior. At the end, souvenir was presented to Ms. Marqoozah Asif.

Seminar on Tips & Techniques for Trading on PSX

Department of Management & Social Sciences, CUST organized a seminar on “Tips & Techniques for Trading on PSX” under the supervision of Miss Rabia Habib, on March 28, 2019. The guest Speaker, was Dr. Ayaz-ul-Haq, Assistant Professor, at University of Central Punjab, Rawalpindi Campus. The guest speaker shared the procedure for opening account with CDC (Central Depository Company). He further elaborated the trading procedure on the stock exchange through registered brokerage house/broker.

An overview of the Karachi stock Exchange was given, followed by detailed analysis of Live Trading Session of Pakistan Stock exchange (PSX). The seminar provided students with an opportunity to understand the requirements for trading on PSX. At the end, souvenir was presented to honorable guest speaker, Dr. Ayaz-ul-Haq.



Seminar on Optimism: The Hidden Talent

Department of Management & Social Sciences, CUST organized a seminar “Optimism: The Hidden Talent” under the supervision of Ms. Rabia Habib, on March 14, 2019. The guest Speaker, Ms. Aqsa Arshad is a Clinical Psychologist.

Ms. Aqsa shared emphasized the fact that Optimism, is an important component of achievement, and is very important in times of chaos, change and turbulence. Those who have an optimistic outlook will roll with the punches, will be more proactive, persistent and will not abandon hope. The primary aspect, scrutinized by the guest speaker was how students can prepare themselves for the challenges in life, how they can compete in life and develop skills to improve social behavior. At the end of the seminar, souvenir was presented to the guest speaker, Ms. Aqsa Arshad.



Seminar on Quantum Consciousness: A Modern Perspective

Department of Management & Social Sciences organized a seminar on "Quantum Consciousness: A Modern Perspective" under the supervision of Ms. Rabia Habib, on April 09, 2019. The guest Speaker, Mr. Noraiz Tahir, is visiting faculty at NUML and KICSIT.

The Guest speaker discussed the idea of Quantum Mind or Quantum Consciousness which is basically a group of hypotheses proposing that classical mechanics cannot explain consciousness.



The idea suggests that quantum mechanical phenomena, such as quantum entanglement and superposition, may play an important part in the brain's functioning and could form the basis for an explanation of consciousness. The main purpose of the seminar was to make students realize the importance of interdisciplinary research fields, and how concepts of Physics can be applied to study Psychological theories. At the end, souvenir was presented to Mr. Noraiz Tahir.

Seminar on Character Building and How to Live a Successful Life

Department of Management & Social Sciences, CUST organized a seminar on "Character Building and How to Live a Successful Life" under the supervision of Miss Maria Mashkoo, on June 13, 2019. The guest speaker was Mr. Farrukh Sultan who is the Principle at the Ozone School System & Software Developer in the Ministry of Defense.

Mr. Farrukh Sultan addressed the audience making them realize the importance of Character Building and how it affects an individual's life, to know how good guidance can help a person grow and achieve success,

Orientation Session of Capital Media Club

In Spring 2019, Capital Media Club (CMC) organized an orientation session for their new members under kind supervision of Mr. Muhammad Usman Farooqi Patron CMC. CMC provides a platform to the students to showcase their creativity in artistic expressions.



The orientation seminar aimed to foster an effort at bestirring exceptional ideas and motivating new members to showcase their unique talents under the umbrella of CMC. Life at Capital University is not all about academics. Students need a respite from their tough study schedules. This is necessary to re-invigorate their energies and for overall holistic development of the participants. This is where Capital Media Club plays its part by offering opportunities in multiple categories such as Event Management, Publications, Dramatics, Photography/ Videography, Marketing, Security, Decor, Finance, and FM Radio.

to respect those who raised them and to serve them, with the aim of being selfless, sincere, respectful and open minded. The seminar provided students with an opportunity to look into their own Character and use that to excel in life.



Seminar on Coke Cola

A Seminar on “Coke” was held at Capital University of Science & Technology by the Department of Management and Social Science. The seminar was organized under the supervision of Dr. Ansir Ali Rajput. It was meant for 7th semester students.

The Coca-Cola Company has on occasion introduced other cola drinks under the Coke name. The most common of these is Diet Coke, along with others including Caffeine-Free Coca-Cola, Diet Coke Caffeine-Free, Coca-Cola Zero Sugar, Coca-Cola Cherry, Coca-Cola Vanilla, and special versions with lemon, lime, and coffee.



Coca cola they are basically selling happiness to its customers. In general, The Coca-Cola Company and its subsidiaries only produce syrup concentrate, which is then sold to various bottlers throughout the world who hold a local Coca-Cola franchise. Coca-Cola bottlers, who hold territorially exclusive contracts with the company, produce the finished product in cans and bottles from the concentrate, in combination with filtered water and sweeteners. The bottlers then sell, distribute, and merchandise the resulting Coca-Cola product to retail stores, vending machines, restaurants, and food service distributors.

Seminar on Communication Skills

Department of Management & Social Sciences organized a seminar on "Communication Skills" under the supervision of MS. Saeeda Ibrahim on April 30, 2019. The guest speaker, Mr. Usman Rafique is a renowned motivational speaker and has years of experience in life coaching.

The guest speaker emphasized that good communication nurtures a pleasant relationship and encourages a pleasant business environment. The seminar explained that how good communication reflects your confidence and makes you a successful person. At the end of the seminar, souvenir was presented to the speaker.



Seminar on Cyber Security

Department of Management & Social Sciences organized a seminar on “Cyber Security” under the supervision of Ms. Maria Mashkooor on 20th June, 2019. The guest speaker was Mr. Irfan-ur-Rehman, Cyber Security Expert and Head of Pakistan Telecommunication Authority (PTA).

Mr. Irfan enlightened the students about the measures that a common person can take to secure his/her information on cyberspace. In addition, he also guided students regarding the common types of cyber-attacks, some of which included, Password attack, Eavesdropping attack, Drive-by attack. Through practical examples, he demonstrated how easily we give out personal information which can bring us harm and, hence should be avoided. The seminar proved to be very informative to the students.



Seminar on Entrepreneurial Ventures

A seminar was held on March 11, 2019 on "Entrepreneurial Ventures" in which the respected guest speaker Mr. Usama Bin Khurshid shared his entrepreneurial experience with the students. Mr. Usama Bin Khurshid is a young entrepreneur who is also a part time web developer. He gained his experience by running two businesses one is about trading business (Bin Khurshid Trading Company) and the other one is a Gym business (JK Health and Fitness Centre). He also motivated the students to never give up and keep on working hard until they get success. Further, he told the students essential elements that lead to success and their prime importance step by step. He focused upon the importance of Idea, teams, business model, funding and timing to start up a new business. The discussion was also about how we should not be a procrastinator to avoid the panic monster. Seminar was concluded with the importance of lifeline and our achievement benchmarks.



Seminar on Emotional Intelligence (EQ) and Competitive Anxiety among University Students

Department of Management & Social Sciences organized a seminar on "Emotional Health" under the supervision of Miss Rabia Habib, on April 16, 2019. The guest Speaker, Ms. Sofia Bukhari, is a Clinical Psychologist at Autism Resources.



The Guest speaker discussed the fact that students face various problems such as exam stress, anxiety during the test, problems with homework assignments, expectations about academic success or inability to understand the subjects. One of the reasons is the rapid change in the education sector, which give rise to stern testing procedures for evaluating students' knowledge. The main purpose of seminar was to make students realize how important it is to minimize Exam Anxiety and to use specific strategies, which can improve the performance. At the end, souvenir was presented to Ms. Sofia Bukhari.



Seminar on The Entrepreneurship Virus

Department of Management & Social Sciences organized a seminar on "The Entrepreneurship Virus" under the supervision of Miss Maria Mashkoo, on June 06, 2019. The guest speaker was Mr. Awais Jalali who is a motivational speaker & Senior Manager in Centaurus Mall.

The primary aspect, scrutinized by Mr. Awais was to highlight how students can prepare themselves for the challenges in life, how they can compete in life and how they can develop skills to improve social behavior and how they become the entrepreneur in the future. The seminar proved to be very informative. The chief guest was presented a souvenir in the end.

Seminar on Goal Driven Life

Department of Management & Social Sciences organized a seminar on "Goal Driven Life" under the supervision of Miss Maria Mashkoo, on June 17, 2019. The guest speaker was Mr. Babar Yaqoob Khan who is a Senior Lecturer at Foundation University Rawalpindi & Motivational Speaker.

The main purpose of seminar was to make students realize the importance of setting goals in their life and how it changes an individual's life by giving life direction, and boosts one's motivation and self-confidence. Mr. Babar also discussed ways to develop skills to improve one's social behavior. The session was quite interactive. The speaker was presented souvenir in the end.



Seminar on Managerial Endeavours in Corporate Sector

A seminar was arranged by Ms. Hareem Khurshid on "Managerial Endeavours in Corporate Sector". The guest speaker was Mr. Mohsin Raza who is an Alumni of CUST, has also taught in visiting Faculty in CUST and is currently working as Managing director in an organization that is a leader in industrial automation services and solutions named as Icon Systems. He emphasized the importance of creativity and right managerial behaviour in corporate sector. He also discussed the basic idea of being resourceful and resourcefulness. Secondly, he talked about the struggles of his career to motivate students and concluded the session by mentioning that "When you want to go for a long run you shouldn't be worried about the loss of opportunities that you left willingly, instead you should take risks and pursue your dreams". He was presented souvenir in the end.



Secondly, such activities also help the academia to understand the issues faced by the industries while hiring the employees. The forum proved to be quite fruitful.

HR Forum

The students of MBA regular Faculty of Management and Social Sciences, under the supervision of Dr. Muzaffar Asad, conducted a one-day forum on the industrial issues related to Human resource management. Six human resource Executives from reputable Companies were invited to discuss the issues that industries are facing now a days. All the participants praised the efforts of Capital University of Science and Technology in bridging the gap between industry and academia. The activity enriched the students with the knowledge of the practitioners, so that they may realize what the practitioners look for in a candidate.



Seminar on Importance of Vision in Life

Department of Management & Social Sciences organized a seminar on "Importance of Vision in Life" under the supervision of Ms. Saeeda Ibrahim, on May 03, 2019. The guest speaker, Mr. Abid Parvaiz, is a motivational speaker and Examiner at British Council. The main purpose of seminar was to make students realize how important is the vision in life with the aim to be successful and prosperous. At the end, a gift was presented to Mr. Abid Parvaiz.



Seminar on Self Esteem

Department of Management & Social Sciences organized a seminar on "Self-Esteem" under the supervision of Miss Maria Mashkooor, on June 14, 2019. The guest speaker was Mr. Muhammad Ahmed Siddiqui who is Assistant Chief Manager of State Bank of Pakistan. The guest speaker made the students realize how important it is to discover and experience the qualities and behaviors which are an expression of high self-esteem and self-confidence. Self-esteem is a belief and an individual's own evaluation of their own worth, involving one's emotional states like triumph, pride, shame and despair. He guided students regarding strategies that can be used to develop and enhance self-esteem. The guest speaker was presented a souvenir in the end.



Seminar on How to Become a Good Student

Department of Management & Social Sciences organized a seminar "How to Become a Good Student" under the supervision of Miss Maria Mashkooor, on June 18, 2019. The guest speaker was Mr. Naveed Abbasi who is the General Secretary, Press Club.

Mr. Naveed highlighted some of the characteristics of a good student, such as, being intellectually curious, having good time management skills, being creative and original, thinking outside the box, and having good communication skills. He gave examples of top leaders who were self-driven and emphasized that having this quality ensures success, but requires a lot of hard work and persistence.



In the end, he put immense stress on the importance of developing reading habits, especially newspapers and educational magazines to develop writing and analytical skills. It was an interactive session.

Trip to English Biscuit Factory, Haripur

A trip to English Biscuit Factory was organized by Dr. Nosheen Tariq Bhutta for the students of MBA, BBA and BFE. Students were accompanied by three faculty members. Trip was about the awareness of all operations of English Biscuit Factory. It was such an informative trip.



Seminar on Road Safety

Department of Management & Social Sciences organized a seminar on "Road Safety" under the supervision of Miss Maria Mashkooor on June 11, 2019. The guest speakers were Mr. Malik Matloob Awan who is SSP, Motorway Traffic Police and Mr. Asad ur Rehman who is SPO, Motorway Traffic Police.

The main purpose of this seminar was to guide and educate the students regarding safety measures that should be observed while being on road. SPO, Asad ur Rehman, guided the students about importance of taking precautionary measures to travel safe and secure. Students were shown many videos highlighting the need to wear seat belts and concentration on the road banning the use of mobile phone.

SSP Malik Matloob guided the students regarding facing the new challenges on the road, especially due to use of mobile phone and wearing headphones and how to deal with accidents.

He motivated them to improve their ethical and social behavior and help the institute to maintain the discipline by being a good law abiding citizen themselves. It was such an informative session. The guest speakers were given souvenir in the end of session.



Seminar on Role of Motivation and Positive Attitude in Life

Department of Management & Social Sciences organized a seminar, under the supervision of Ms. Maria Mashkooor, on the topic "Role of Motivation and Positive Attitude in Life" on June, 19, 2019. The guest speaker was Dr. Ameer Sultan who is PhD scholar in English, Applied Linguistics and Literature, and has also worked as a visiting PhD scholar at University of Birmingham, Birmingham, United Kingdom. Dr. Ameer is currently working as an English Literature Lecturer at International Islamic University, Islamabad.

The main purpose of the seminar was to introduce the students to the concept of motivation being the drive behind people's actions to achieve needs and its role in achieving satisfaction.



Are Good Leaders Born or Made?

A seminar on the topic "Are Good Leaders Born or Made" was arranged on April 19, 2019 under the supervision of Ms. Sana Farzand Ali. Guest speaker was Mr. Muhammad Hussain, who is a professional trainer and a business development manager at Red Cubes Inc. The guest speaker engaged the students by asking them their academic experience, in order to highlight the importance of good public speaking. In addition, the secondary aim was to guide students regarding how needs are of various kinds that can be influenced by culture, society, and lifestyle or can be generally innate.

Dr. Ameer provided the students ways to boost up one's motivation and how he/she could have a positive attitude towards life.

He shared his journey of learning the art of speaking and mastering it by constantly working on improving the public speaking skills.

He shared with the students the strategies that they can implement in order to enhance their public speaking skills. Overall session was quite interactive and interesting. The session was concluded by students' queries and feedback.

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The Impact of Enterprise System in Business Decision Making

Department of Management & Social Sciences organized a seminar “The Impact of Enterprise System in Business Decision Making” under the supervision of Ms. Saeeda Ibrahim, on May 2, 2019. The guest speaker, Mr. M. Noman Sarwar, is an expert of enterprise system. The guest speaker described what is enterprise system in business decision making and explained how it will help the audience in their future endeavors. The seminar gave an insight to this software. At the end, a souvenir was presented to the guest speaker.

Seminar on The True Meaning of Success

A seminar was organized on “The True Meaning of Success” by the Department of Management & Social Sciences, under the supervision of Ms. Maria Mashkoor. It was organized on June 15, 2019. Guest speaker was Dr. M. Azam Raza Tabassum.

He has authored 42 books and is currently Lecturer in Punjab Group of Colleges, Rawalpindi.

Dr. Azam made students realize that everyone has their own definition of success and instead of copying each other, one should think on what gives true satisfaction and happiness to oneself. Further, he emphasized that materialistic achievement is not the sole or primary objective. Along with prosperity, one's character, behaviour and attitudes, especially towards parents also matters. It was an interactive and informative session.



NEW INDUCTION – JANUARY to JUNE 2019

S/No.	Name	Designation	Department	Qualifications	University
1.	Dr. Umer Nawaz Kayani	Asstt. Prof.	Management & Social Sciences	PhD	Lincoln University Christchurch, New Zealand
2.	Ms. Aruba Waqar	Lecturer	Civil Engineering	MS	UET, Taxila
3.	Ms. Sarah Nawaz Malik	Lecturer	Management & Social Sciences	MS	Bahria University, Islamabad
4.	Mr. Amer Zaheer	Lecturer	Computer Science	MS	M.A.J.U., Islamabad
5.	Mr. Omaid Ghayyur	Lecturer	Computer Science	MS	CUST, Islamabad
6.	Mr. Yasir Nouman Khalid	Lecturer	Computer Science	MS	Centre for Advanced Studies in Engineering, Islamabad
7.	Ms. Nirmal Tariq	Lecturer	Computer Science	MS	SEECs, National University of Sciences and Technology, Isd
8.	Ms. Mehreen Khan	Lecturer	Computer Science	MS	NUST College of Electrical and Mechanical Engineering, Rwp
9.	Ms. Faria Nazir	Lecturer	Computer Science	MS	UET, Taxila
10.	Mr. M. Nouman Zafar	Lecturer	Computer Science	MS	College of EME, NUST, Islamabad
11.	Ms. Maryam Zahid	Lecturer	Computer Science	MS	National Uni. of Computer and Emerging Sciences, FAST Isd
12.	Ms. Maryam Khan	Lecturer	Management & Social Sciences	MS	QAU, Islamabad
13.	Mr. Kashif Basir	Lecturer	Software Engineering	MS	NUST College of Electrical and Mechanical Engineering, Rwp
14.	Mr. Muhammad Rafique	Jr. Lecturer	Management & Social Sciences	MS	CUST, Islamabad

Publications-Spring 2019

- ▶ Ishtiaq H, Osama R, Furqan M. A, Zakir U, Hamza A, Shehryar A, Arsalan M and Aruba W. "Reducing water demands by adopting harvesting and recycling techniques in Pakistan." Journal of Biodiversity and Environmental Sciences (JBES), April 2019.
- ▶ Khan, M., and Ali, M., "Improvement in concrete behavior with fly ash, silica-fume and coconut fibres", Construction and Building Materials (IF 3.485), Volume 203, Pages: 174-187, 2019
- ▶ Khan MT, Khan A, Rehman AU, Wang Y, Akhtar K, Malik SI, Wei DQ. "Structural and free energy landscape of novel mutations in ribosomal protein S1 (rpsA) associated with pyrazinamide resistance." Sci Rep. a naturersearch journal 2019 May 16;9(1):7482. doi: 10.1038/s41598-019-44013-9(IF 4.21)
- ▶ Khan MT, Kaushik AC, Ji L, Malik SI, Ali S, Wei DQ. "Artificial Neural Networks for Prediction of Tuberculosis Disease." Front Microbiol. 2019 Mar 4; 10:395. doi: 10.3389/fmicb.2019.00395. (IF 4.01)
- ▶ Rehman AU, Khan MT, Liu H, Wadood A, Malik SI, Chen HF. "Exploring the Pyrazinamide Drug Resistance Mechanism of Clinical Mutants T370P and W403G in Ribosomal Protein S1 of Mycobacterium tuberculosis." J ChemInf Model. 2019 Apr 22;59(4):1584-1597. doi: 10.1021/acs.jcim.8b00956. Epub 2019 Mar. 12. (IF3.760)
- ▶ Khan MT, Malik SI, Ali S, Masood N, Nadeem T, Khan AS, Afzal MT. Pyrazinamide resistance and mutations in pncA among isolates of Mycobacterium tuberculosis from Khyber Pakhtunkhwa, Pakistan. BMC Infect Dis. 2019 Feb 6;19(1):116. doi: 10.1186/s12879-019-3764-2. (IF2.62)
- ▶ Junaid M, Khan MT, Malik SI, Wei DQ. "Insights into the Mechanisms of the Pyrazinamide Resistance of Three Pyrazinamidase Mutants N11K, P69T, and D126N." J ChemInf Model. 2019 Jan 28;59(1):498-508. doi: 10.1021/acs.jcim.8b00525. (IF3.760)
- ▶ MunirAnum, M S.I. and AkhtarKhalid. "Proteome Mining for the Identification of Putative Drug Targets for Human Pathogen Clostridium Tetani." Current Bioinformatics, 2019, 14, 1-9 1574-8936/18 (IF.54)
- ▶ Noureen N., Fazal S., Qadir M.A., Afzal M.T. "HCVS: Pinpointing Chromatin States through Hierarchical Clustering and Visualization Scheme." Current Bioinformatics. 2019 Feb. 1;14(2):148-56.
- ▶ Ihsan I., Qadir M.A. "CCRO: Citation's Context & Reasons Ontology." IEEEAccess. 2019 Mar 11;7:30423-36.
- ▶ Habib R., Afzal M.T. "Sections-based bibliographic coupling for research paper recommendation." Scientometrics. 2019 May 15;119(2):643-56.
- ▶ Ain Q.U., Riaz H., Afzal M.T. "Evaluation of h-index and its citation intensity based variants in the field of mathematics." Scientometrics. 2019 Apr 15;119(1):187-211.
- ▶ Ikram M.T., Afzal M.T. "Aspect based citation sentiment analysis using linguistic patterns for better comprehension of scientific knowledge." Scientometrics. 2019 Apr 15;119(1):73-95.
- ▶ Ghani R., Qayyum F., Afzal M.T., Maurer H. "Comprehensive evaluation of h-index and its extensions in the domain of mathematics. Scientometrics." 2019 Mar 1;118(3):809-22.
- ▶ Qayyum F., Afzal M.T. "Identification of important citations by exploiting research articles' metadata and cue-terms from content." Scientometrics. 2019 Jan 15;118(1):21-43.
- ▶ Ahmad U., Afzal M.T. "Pre-production Box Office success Quotient Forecasting." Soft Computing. 2019 Aug 18.
- ▶ Bashir M.B., Nadeem A. "An Evolutionary Mutation Testing System for Java Programs: eMuJava. In Intelligent Computing." Proceedings of the Computing Conference 2019 Jul 16 (pp. 847-865). Springer, Cham.
- ▶ Aziz S.R., Khan T, Nadeem A. "Experimental Validation of Inheritance Metrics' Impact on Software Fault Prediction." IEEE Access. 2019 Jun 20;7:85262-75.
- ▶ Rizwan M., Nadeem A., Sindhu M.A. "Analyses of Classifier's Performance Measures Used in Software Fault Prediction Studies." IEEE Access. 2019 Jun 19;7:82764-75.
- ▶ Muzamal M, Nadeem A. "Improving test adequacy assessment by novel JavaScript mutation operators." In 2019 16th International Bhurban Conference on Applied Sciences and Technology (IBCAST) 2019 Jan 8 (pp. 647-652). IEEE.
- ▶ Hussain A, Aleem M, Iqbal M.A, Islam M.A. "Investigation of Cloud Scheduling Algorithms for Resource Utilization Using CloudSim." COMPUTING AND INFORMATICS. 2019 Jan 8;38(3):525-54.
- ▶ Khalid Y.N, Aleem M, Ahmed U, Islam MA, Iqbal M.A. "Troodon: A machine-learning based load-balancing application scheduler for CPU-GPU system." Journal of Parallel and Distributed Computing. 2019 Jun 8.

(This list includes only a part of total publications due to shortage of space)

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Picture Gallery



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