



Capital University of Science and Technology Islamabad

NEWSLETTER



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The Convocation-2021 was held on Thursday, March 31, 2022 in the Convention Centre, Islamabad. In this convocation, 1109 graduates of various degree programmes including BBA, MBA, BS, MS and PhD in the fields of Management Sciences, Electrical Engineering, Civil Engineering, Mechanical Engineering, Computer Engineering, Engineering Management, Project Management, Computer Science and Biosciences were awarded degrees. Renowned nuclear Scientist, Prof. Dr. Inam ur Rehman, graced the occasion as chief guest while Prof. Dr. Muhammad Mansoor Ahmed, Vice Chancellor, Capital University of Science and Technology, presided over the Convocation. In his inaugural speech, he

prominent position amongst its competitors by putting high emphasis on R&D

das Azeem, and Um E Rubbab in the field of Management Sciences; Abdur



activities as well as by starting graduate programmes. The Chief Guest, Dr. Inam ur Rehman, while delivering his keynote address at the Convocation-2021, high-

Rehman, Hisham Khalil Ikram Ullah, Khurram Shehzad, Nazam Siddique, Rahat Saadia, Rifat Ara, Syed Bilal Javed and Zubair Ahmed in the field of Electrical Engineering; Muhammad Usman Farooqui and Sahmir Janjua in the field of Civil Engineering; Imran Ihsan and Muhammad Tauseef Ikram in the field of Computer Science; Fais-

Convocation - 2021

1109 graduates of various degree programmes including BBA, MBA, BS, MS and PhD in different fields were awarded degrees



lighted the importance of education in the economic development of a country. Aqsa Aftab, a graduate from the Biosciences department shared her views and experiences of her stay in the university. She appreciated and thanked the management and faculty the university for providing a conducive environment for the students to complete their degree programmes.

In this convocation, 30 graduates were

welcomed the graduating students for their presence in this memorable and happy occasion and declared the event as a significant milestone in their lives. He congratulated the graduates and highlighted the contribution made by the university in the field of higher education. He hoped that the graduates will contribute towards scientific and technological development of the country through their ability, dignity, determination and commitment. Dr. Mansoor also said that education plays a vital role in the economic development of a country as it raises the productivity and efficiency of individuals, thus producing skilled manpower that is capable of leading the economy towards the path of sustainable economic development. He informed that CUST has earned a



awarded PhD degrees: 09 in the field of Management Sciences, 11 in the field of Engineering, 02 in the field of Computing, 01 in the field of Biosciences and 07 in the field of Mathematics. PhD graduates who received PhD degrees includes: Aisha Sarwar, Muhammad Irshad, Raja Mehtab Yasin, Rehana Anwar, Samina Karim, Shahzad Ijaz, Sun-



al Shahzad, Irfan Rashid, Junaid Uzair Satti, Maleeha Atlas, Naveed Akmal, Sajid Shafique and Usman Ali, Ibrar Ullah in the field of Mathematics; and Rabbiah Manzoor Malik in the field of Bioinformatics.

The Capital University of Science and Technology appreciated the outstanding performance of its graduates by awarding 62 Academic Excellence Medals. These medals, which include 35 Gold medals, 15 Silver medals and 12 Bronze medals were awarded to the graduates who stood 1st, 2nd and 3rd in their respective degree programmes. Turab Ali, a BBA graduate, was declared the best graduate of Convocation-2021 and awarded the "Jinnah Gold Medal" for his overall excellent performance in curricular and extracurricular activities.

Mr. Ahsan Iqbal, Minister of Planning, Development and Special Initiatives, and the ambassadors of Vietnam, Nigeria, Portugal and Kyrgyzstan visited and highly appreciated the model

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Capital University of Science and Technology organized CUSTBIC – 2022 (CUST Business Ideas Competition) to

A panel of fifteen judges evaluated the entries and shortlisted the candidates for the final presentation. Consequently, on July 04, 2022, a panel of six judges evaluated business ideas of the short-listed candidates. Ms. Sadaf Tagar from Mehran University of Engineering and



Technology was declared as the winner of the competition. Dr. Lakhi Muhammad, Head, Department of Management Sciences, presented her the prize money of Rs. 50,000. The competition was sponsored by OGDCL, LU Biscuits, ASK Development, Humkaar, Guilds Connect. Bachao.pk.

Drug usage is a very common issue all over the world. Now a days, the world

is moving towards hybrid war and in hybrid war drug is used as a common weapon to destroy the youth of any nation. And as youth is the backbone of a nation so if youth is addicted to drugs, it will ultimately lead to the destruction of the nation. Keeping this in mind, the Department of Psychology organized an Anti-Drug Awareness Talk in collaboration with Anti-Narcotics Force on



April 20, 2022. Director General Anti-Narcotics Force, Maj. Gen. Ghulam Shabeer Narejo, and Force Commander ANF North Region, Brig. Ammar Ali were invited as guest speakers. Guest speaker gave a comprehensive talk and discussed all the issues that our youth is facing due to drug usage. At the end, Dr. Arshad Hassan and Dr. Sabahat Haqqani thanked the worthy guests and exchanged the souvenirs.

World Food Safety Day

The Department of Psychology arranged an awareness walk on the occasion of 'World Food Safety Day' on June 07, 2022. The main theme of the event was the spread awareness about the concept of 'Safer Food, Better Health'. The event comprised of a Food Safety Awareness Walk, and a Poster Competition. The Purpose of the walk was to convey the message by using different colorful posters and banners made by the students on the theme of 'Safe Eating'. Ms. Maryam Khan and Ms. Sumaira Manzoor also participated in the



event and appreciated the work of the students.

Kashmir Day Declamation Contest and Solidarity Walk

CALC organized a 'Declamation Contest' on February 04, 2022 which was followed by a solidarity walk to observe the Kashmir Solidarity Day. A short documentary paying tribute to the freedom fighters of Kashmir was played at the beginning of the event. Six speakers participated in the contest and more than hundred students witnessed the event. Mr. Muhammad Tayyab Ramzan from the Pharmacy

department clinched the first position while Ms. Maryam Afzal bagged the second position. During the contest, speakers vigilantly used the rostrum to raise their voice in favor of the oppressed people of the Indian Occupied Kashmir. Patron CALC, Ms. Qurat ul Ain Jalil distributed shields and certificates among the position holders. She lauded the preparation of the students and encouraged them to participate in

the further activities as well. After the declamation contest, all members of the audience gathered for a solidarity walk. The participants were holding banners, posters and flag to show solidarity with the Kashmiri people. Slogans demanding the end of cruelties on the Kashmiri people were raised. Participants reaffirmed on their support and commitment for the Kashmir cause.



The NGO World Awarded Best Performance Award to VIS-CUST

On the occasion of World NGO Day, 'The NGO World', a social sector organization, announced best performance

held on February 27, 2022. A large number of social activists, and representatives of different organizations and



award in the field of humanitarian services for the year 2021 to VIS-CUST. The award distribution ceremony was

educational institutions were present in this ceremony. Mr. Zafar Iqbal, Executive Director of 'The NGO World' (TNW),

talked about humanitarian services provided by VIS-CUST and highlighted that TNW is working with VIS-CUST since 2018 as a partner organization, and it is a great honor for all the team members. Mr. Zafar Iqbal also said that the volunteers of VIS-CUST are very humble, hardworking and dutiful. He discussed that TNW evaluated the progresses of a large number of Pakistani organization and educational institutions in the field of humanitarian service for Swera Award. The Judges of Swera Award assessed progresses of all the known organizations and institutions in the field and they declared VIS-CUST as the winner of the award. He also congratulated Vice Chancellor CUST, Prof. Dr. Muhammad Mansoor Ahmed, and team of VIS-CUST on winning the Swera Award.

ORIC signed a Memorandum of Understanding with Sparknetics

Considering the importance of E-Commerce, Capital University of Science and Technology (CUST) has partnered with Sparknetics on April 21, 2022 to conduct training and provide mentor-



ship to students for online earnings. E-Commerce refers to a digital platform and a business model where you can buy or sell products online. E-Commerce has increasingly become a vital component of business strategy and a solid catalyst for economic development. E-commerce has gained hype due to around-the-clock availability, the speed of access, the wide availability

of goods and services for the consumer, easy accessibility and international reach.

Sparknetics has been indulged in consulting business and are offering a wide range of profitable business opportunities and has also established online assets in the field of E-commerce. Both the parties agreed to conduct trainings and awareness sessions at CUST on "Sell on Amazon" based on understanding set out in the Memorandum of Understand (MoU). Mr. Ammar Yasir, Co-Founder Sparknetics, and Prof. Aamer Iqbal Bhatti, Dean Research and Innovation, CUST signed the MoU on behalf of their respective organizations.

CUST Research Excellence Award - 2021

To recognize and celebrate the intellectual and valuable contributions of its faculty at national and international level, CUST hosted the Research Excellence Award - 2021. On the basis of detailed evaluation of research impact and achievement of cumulative impact factor above 100, six Professors were honored with the REA - 2021. The honorable Vice Chancellor, Dean Research

and Innovation, Professors and Associate Professors were amongst the participants of the REA-2021.

Capital University of Science and Technology (CUST) heavily invests in providing state of the art facilities to the faculty members and researchers to promote research, innovation and commercialization. CUST faculty members play an ample role in creating new vistas of productive knowledge by publishing their research work/productivity in internationally reputed impact factor journals.



The winners of the REA were awarded with souvenirs, certificates, letters of appreciation, and special cash prizes. Prof. Dr. M. Mansoor Ahmed congratulated all the awardees and appreciated their valuable contributions in the field of research.

QEC at CUST organized a workshop on 'Effective Quality Assurance Activities in Higher Education Institutes (HEIs)' on June 06, 2022. Faculty members from different departments of the university participated in the workshop. Prof. Dr. Arshad Islam, Director QEC from FAST university, served the occasion as resource person. The purpose of the workshop was to enlighten the participants about the role of QEC in HEIs/DAIs and various effective quality assurance mechanisms implemented at CUST. Dr. Arshad Islam explained the phenomena in detail including various effective IQA and EQA processes and standards followed by QEC as per the direction of HEC-QAA. The speaker also highlighted the importance of

Effective Quality Assurance Activities in HEIs

QA processes; its role in improving the overall academic program quality;

held towards the end of the workshop. Director QEC presented a memento



and how QEC act as a liaison office between institution and regulator. An effective question answer session was

to Prof. Dr. Arshad Islam and the event was concluded successfully.

Workshop on Preparation of Self-Assessment Report (SAR)

A three-day workshop on 'Preparation of Self-Assessment Report (SAR)' was organized by QEC from March 01, 2022

Dr. Majid Ali, having enriched academic and industrial experience, served the occasion as a resource person. The aim



to March 03, 2022. Faculty members from different departments of the university participated in the workshop. Prof.

of the workshop was to provide detailed information related to the preparation of SAR and its role in the IQA mecha-

nism of the HEIs. The resource person apprised the participants on how SAR could be prepared; what components would be considered for the preparation of SARs; and the importance and contribution of Outcome Based Education (OBE) for improving the effectiveness of academic programs. The resource person also explained the process about how Program Education Objectives (PEOs), Program Learning Outcome (PLOs) and Course Learning Outcome (CLOs) could be designed in accordance with the vision and mission of CUST. The workshop was concluded with a question-answer session wherein participants actively asked their questions, which were well addressed by the resource person.

Seminar on Industrial Expectations from Graduates

The Department of Computer Science arranged a seminar on June 03, 2022 for its graduating students to keep them well-informed about the current market requirements. The necessary skills, technical and non-technical, were highlighted by the guest speaker Mr. Salman Masud, a Senior HR Manager in Jin Technologies, Islamabad. Mr. Salman updated the students about the latest trends that are necessary for students who are seeking jobs in high-end software houses.



Seminar on the Importance of Biosafety and Biosecurity

The GENIX, Department of Bioinformatics and Biosciences, arranged a seminar on the topic 'The Importance of Biosafety and Biosecurity' on May 23, 2022. The guest speaker was Dr. Aftab Ahmed, founder and president of Asia's first National Young Academy entitled 'National Academy of Young Scientists' (NAYS). He is also the Chairman of the Islamic World Young Scientists Academy (IYSA). He is the founder of the Pakistan Stem Cell Society (PSCS) and Pakistan Aging Research Society (PARS). During the seminar, Dr. Aftab Ahmed highlighted some very important key points regarding biosafety and biosecurity. He shared the importance of biosafety and biosecurity in laboratories in Pakistan as well as in the laboratories abroad. Some major points discussed by Dr. Aftab Ahmed include: the importance of passing the course of Biosafety for working in the labs abroad and the meaning of Biohazards, Biosafety, and

Biosecurity.

A picture was also presented to show common mistakes and unethical behav-

WHO based on four 'Risk Group Factors'. Dr. Aftab Ahmed used a diagrammatical representation to explain 'Four



ior inside the laboratory. He also elaborated 'Standard Microbiological Practices'. Furthermore, he also described Universal Precautions described by

Biosafety Levels' and highlighted the differences between these four levels of biosafety in detail.

Seminar on Block Chain Technology

The Department of Computer Science arranged a seminar on 'Block Chain Technology' on March 30, 2022. Mr. Ahmad Manzoor, CEO Pakistan Block Chain, was invited as guest speaker.



Mr. Ahmad Manzoor gave insights into the current deployments of block chain across Pakistan. He also highlighted possible use cases where block chain technology can be integrated to benefit IT based organizations.

Flutter Mobile Application Development Workshop

In order to prepare the graduating students for industry and to give introduction to emerging technologies in the market, a two-day workshop on 'Flutter Cross Platform Mobile Application Development' was organized by the Department of Computer Science on January 08, 2022 and January 10, 2022. Flutter is an open-source UI software development kit created by Google. It

from a single codebase. The workshop was conducted by Dr. Muhammad Bilal and Mr. Omaid Ghayyur.

The workshop was conducted in the Instruction Lab to give hands-on practice to the students during the workshop. Around 37 students registered for the workshop. Course contents covered during the workshop includes introduction and installation of Flutter, Flutter Application Architecture, Introduction to Dart Programming, Widgets, Layouts, and Gesture in Flutter Deployment. A



is used to develop cross platform applications for Android, iOS, Linux, Mac, Windows, Google Fuchsia, and the web

complete demonstration of flutter application with back-end and front-end code was also given.

Seminars on Fiscal Policy Response to COVID-19 and Current Industry Trends and Employability

Directorate of Sustainability and Environment arranged two seminars on the 'Fiscal Policy Response to COVID-19: Case of Pakistan' and 'Current Industry Trends and Employability' under the supervision of Dr. Saira Ahmed, on March 28, 2022. The purpose of these seminars was to create awareness among the students about the on-demand employability skills required in the job market.

Mr. Faheem Sardar, a Senior Policy Specialist, discussed the economic structure of Pakistan which is purely a consumption-based economy. Growth in Pakistan is not based on production but on consumption due to the crucial configuration for imports. CERN is reconsidering Pakistan's associate membership which is beneficial for the country's industrial sector, human resources

development, and sharing of techniques and technology in key areas, besides numerous intellectual benefits.

Mr. M. Ali Gulfaraz, Director and CEO

He depicted that graduates need to clearly understand their field of interest to pursue a future career path. Employers make rational investment decisions



of Bank of Khyber, primarily focused on the inflation and global supply chain issues that hinder employment opportunities in developing states like Pakistan.

based on reasonably concrete information about the graduate credentials value along with efficient utilization of such human capital within the workplaces.

Seminar on Health Hazards of Tobacco Smoking

Pharma Spark Society, Faculty of Pharmacy, organized a seminar on 'Health Hazards of Tobacco Smoking' on May 31, 2022 on the occasion of World No-Tobacco Day. Dr. Rubina Aman, Associate Professor Pulmonology, Riphah

International Hospital, honored the occasion as guest speaker. The event was arranged to make the students aware about the causes, risk factors and harmful effects of smoking on human body. The awareness session was

followed by "a walk for a noble cause" within the university premises. At the end, the chief guest, Dr. Rubina Aman was presented with a university shield by Dr. Muzaffar Abbas, Dean Faculty of Pharmacy.



Seminar on the Role of the Telecommunication Industry in the Economic Development of Pakistan

The Department of Psychology, in collaboration with the Directorate of Sustainability and Environment organized a seminar on 'The Role of the Telecommunication Industry in the Economic Development of Pakistan'. The seminar was conducted by Mr. Hassan Ali who is a Relationship Manager at Ufone Telecom Limited. The purpose of the seminar was to promote the themes of industry, innovation and infrastructure; and to educate the students about how

telecom is helping to boost our economy, telecom trends, telecom revenue, foreign direct investment in telecom sector, investment and GST contributions, and the status of telecom industry. The telecommunication sector in Pakistan is being improved rapidly by the aforementioned global advancements. Currently, five major national and multinational operators are providing GSM/Cellular services all over Pakistan with members.



WWF Eco-Internship Programme

The Directorate of Sustainability and Environment, in collaboration with the students of the Department of English participated in the WWF Eco-Internship Programme. The programme aimed at training, empowering, and mobilizing the youth on environmental issues



through expert-led training sessions (both virtual and face-to-face), as well as through community action projects. The sessions mainly focused on natural resource conservation, sustainable resource consumption, climate change, disaster management, and green energy.

As a part of this six-week WWF Eco-Internship Programme, students completed advocacy projects which mainly revolved around developing sustainable solutions for the food crisis; driving climate change action through meaningful youth participation; raising funds for wildlife conservation; and providing

clean water to marginalized communities.

Seminar on Journalism by Ms. Maria Jadoon

CUST Arts and Literary Club organized a Seminar on 'Journalism, Orwellian Speech and Youth' on July 06,



2022. Renowned Journalist and Anchor Person from Hum News Ms. Maria Jadoon joined the occasion as the guest speaker. Ms. Maria Jadoon discussed the concept of Orwellian Speech and explained how it is a tool of propaganda. Impact of Journalism was also discussed. At the end of session, Ms. Qurat ul Ain Jalil presented souvenir to the guest speaker.

Seminar on Creative Problem-Solving Techniques

CCAUSE society at Capital University of Science and Technology organized

a seminar on 'Creative Problem-Solving Techniques' on March 31, 2022. CAUSE invited Mr. Ishtiaq Khurshid as a resource person for the seminar. Mr. Ishtiaq Khurshid is a Senior Project Manager who has professional experience in the fields of project planning, scheduling, risk management, and quality assurance in project implementation. He was invited by CAUSE society so that he could share his wisdom on 'Creative Problem-Solving Techniques' to the students. The seminar started with recitation of the Holy Quran. Mr. Ishtiaq Khurshid shed light on the benefits of incorporating 'Creative Problem-Solving Techniques' to resolve the issues quickly, successfully and accurately. After the speech, a question answer session was held wherein all the students who were interested in the topic asked questions about the 'Creative Problem-Solving Techniques'. At the end of the seminar, Dr. Aamer Nadeem, Mr. Qamar-uz-Zaman and Mr. Syed Awais Haider presented souvenir to the guest.



Seminar on The Myths of Our Mind

CAUSE society, Capital University of Science and Technology, organized a seminar on 'The Myths of Our Mind'



on June 17, 2022. CAUSE invited Mr. Usama Ali who is a Project Manager at Creatrix and Manager Director at Innovatory. The main purpose of the

seminar was to help the students gain new insights about the myths of human mind. The seminar started with recitation of the Holy Quran. After the speech, a question answer session was held wherein all the students who were interested in the topic asked questions about the myths of human mind. The seminar proved to be very helpful for the students as it helped them gain new insights. The CUST Media Society was also present on this occasion to cover the event. At the end of the seminar, Mr. Syed Awais Haider and Ms. Javeria Khalid presented a souvenir to the guest.

Seminar on Cloud Computing

The Department of Computer Science arranged a seminar on 'Cloud Computing' on June 03, 2022. Mr. Ali, a Senior

Developer from Hazza Institute of Technology, Islamabad served the occasion as an expert speaker. The chief guest gave an insightful talk about the possible usage of cloud computing architectures and how it works to deliver a complete business solution. Mr. Ali also



highlighted a number of problems that are faced by such organizations where cloud solutions are not integrated in their supply chain.

Seminar on Self-Development

CAUSE society, Department of Software Engineering, organized a seminar on 'Self-Development' on June 10, 2022. Dr. Sobia Rashid, Associate Professor at National University of Modern Languages, Islamabad was invited as a keynote speaker. The seminar started with recitation of the Holy Quran. Dr. Sobia Rashid highlighted the impor-



tance of 'Self-Development' in personal and professional life. After the speech, a question/answer session was held wherein all the students who were interested in the topic asked questions

about 'Self-Development'. The seminar proved to be very helpful for the students as it helped them gain new insights into the topic. The CUST Media Society was also present on this occasion to cover the event. At the end of the seminar, Mr. Syed Awais Haider and Ms. Javeria Khalid presented a souvenir to the guest.

Hands-On Crash Course on Cyber-Security and Ethical Hacking

Office of Research, Innovation and Commercialization (ORIC) organized a twenty-hour crash course entitled 'Ethical Hacking and Cyber-Security' in June, 2022. The course encompassed advanced understanding of

cyber-security, cyber threats, modern approaches to protect against cyber-attacks and virtuous hacking. A breach in digital security can cause serious problems and countless damage to an organization's image that leads to the exposure of secrets. Having important information leaked or stolen can result in serious financial problems and can even lead to bankruptcy of an organization/institution. The Resource Person for the course was Mr. Amer Zaheer from the Department of Computer Science. Twenty participants attended the course including the faculty members from IBA Sukkur and FAST NU, Faisalabad. Prof. Dr. Nayyer Masood praised the efforts made by the organizers and congratulated the participants.



Workshop on Internet of Things and Automation



The Department of Electrical Engineering conducted a workshop on 'Internet of Things and Automation' on May 02, 2022. Dr. Jawaid Iqbal graced the occasion as the guest speaker. The main theme of this event was to guide the student about how devices communicate with each other using machine to machine communication. Dr. Jawaid also highlighted how information is traversed between devices so that processes can be automated without needing human intervention.

Seminar on Light Pollution and Dark Skies

CUST Arts and Literary Club organized a Seminar on 'Light Pollution and Dark Skies' on April 01, 2022. Mr. Rayan Khan, Founder Cosmic Tribe, joined the event as the guest speaker. He explained the concepts of light pollution and dark skies. The seminar was followed by a Question/Answer session wherein the members of the audience asked their questions. At the end of the session, Ms. Qurat ul Ain Jalil presented souvenir to the guest speaker.



Workshop on The Process of Preparing Psychological Assessment Toolkits

The Department of Psychology arranged a workshop on 'The Process of Preparing Psychological Assessment Toolkits' on June 06, 2022. The purpose of the seminar was to guide the students of Psychology about the process of psychological assessment. Ms. Tahira Javed, Psychologist and CEO of Pehchan Clinic, comprehensively explained the process of psychological assessment in detail. She highlighted all the important phases of assessment including intake interviews, observations, choosing test batteries, administering and scoring tests. She also highlighted the professional process of making toolkits and reporting after assessment. At the end, Ms. Rabia Batoool thanked the worthy guest and presented the souvenir.



A seminar on the importance 'Mental Health First Aid' was organized by the Department of Psychology on June 13, 2022. Ms. Anila Khan, Clinical Psychologist and Speech Therapist, graced the occasion as the guest speaker. She comprehensively addressed the importance of providing necessary mental health first aid to the victims of trauma and their families in case of emergencies. Dr. Sabahat Haqqani, Head of Psychology department, presented the souvenir to the guest speaker. In the end, Ms. Rabia Batool thanked the worthy guest for providing valuable information.

Seminar on the Importance Mental Health First Aid



Seminar on Art of Persuasion



The Department of Psychology arranged a seminar on the theme of 'Art of Persuasion' on June 21, 2022. Ms. Hina Fazil, Clinical Psychologist and Speech Pathologist, highlighted the importance of persuasion and its linkage with the field of Psychology. Art of persuasion is an ability to convince someone about something; it runs through many human endeavours. At times, people find it difficult to get a job, to buy a house, or to take the next step in their relationship. Now a days, persuasion is a tool which can be used to tackle complex thoughts. Therefore, the main aim of the seminar was to polish persuasive skills while communicating with clients in the field of Psychology. At the end, Ms. Javeria Khalid thanked the guest speaker for successfully conducting the seminar.

Session on Emotional Intelligence

The Department of Psychology organized a session on 'Emotional Intelligence' on June 22, 2022. Mr. Saba-huddin Waqar, EQ Trainer and Coach, served the occasion as guest speaker. The goal of the session was to shed light on the importance of 'Emotional Intelligence' along with the techniques to read and label different emotions. Guest speaker comprehensively addressed the key features of EI by involving the audience via different activities. At the end, Ms. Rabia Batool, the organizer of the seminar presented a souvenir to the guest and delivered the closing remarks.



Seminar on the Role of Leadership in Organizational Success

The Department of Management Sciences organized a seminar on the 'Role of Leadership in Organizational Success' on June 23, 2022. The guest speaker, Mr. Sohail Razzaq shed light on the importance of effective leadership. He explained that an effective leader not only provides direction but also provides encouragement and inspiration to his team. He also discussed some essential characteristics of a good leader. At the end, Dr. Samiya Safdar delivered the closing remarks and presented a souvenir to the guest.



Seminar on Personality Complexes and its Consequences

The Department of Management Sciences arranged a seminar on 'Personality complexes and its consequences' June 28, 2022. Mr. Mehtab Hameed from Shaping Future graced the occasion as the guest speaker. Mr. Mehtab Hameed is a certified trainer and performance coach as well as neuro-linguistic programming master and practitioner having an experience of eight years. Mr. Mehtab discussed how personality can change with the passage of time. He also highlighted significance of knowing one's own person-

ality. He also discussed how one can improve his personality by being more

cepting more challenges; and by identifying his emotions. The session end-



optimistic. Mr. Mehtab also explained that one can improve his personality by improving his body language; by ac-

ed with a note of thanks to the guest speaker.

Workshop on

The Power of Positive Thinking

The Department of Management Sciences organized a workshop on 'The Power of Positive Thinking' on June 03, 2022. Mr. Zahid Saeed, former Branch Manager at Askari Bank, graced the occasion as the guest speaker. The goal of the workshop was to aware the participants about the importance of positive thinking which can change the way one feels and behaves. Mr. Zahid emphasized that positive mindset has

immense benefits for our health; it can increase our life span, super charges

At the end, Ms. Javeria Khalid delivered the closing remarks and present-



our energy, make us feel more confident, and improve our quality of sleep.

ed a souvenir to the guest.

Seminar on Self-development

A seminar on the importance of 'Self-development' was conducted on June 14, 2022 to convey the basic understanding of self-development. Dr.



Sobia Rashid from National University of Modern Languages, Islamabad graced the occasion as the guest speaker. Self-development is a process of learning new things and building new skills in order to increase the chances of success. Self-development can help a person to maintain focus, raise self-value, improve relations, and change perceptions. Dr. Sobia Rashid insisted that self-development is a basic need for surviving in the society. At the end, Ms. Javeria Khalid and Ms. Namra Mubarak presented a souvenir to the guest.

Department of English Organized an Introductory Session on IELTS

The Department of English organized a free 'IELTS Introductory Session' on June 20, 2022. Dr. Muhammad Saqib Zaigham, IELTS Specialist and Trainer, Department of English, CUST, served the occasion as the resource person. Dr. Muhammad Saqib Zaigham has more than twenty years of experience conducting IELTS training sessions at

speaking, reading and writing capabilities. Moreover, the speaker also shed light on the essential DOs and DONTs of IELTS examination. Dr. Muhammad Saqib Zaigham also informed the participants about a one-month IELTS session to be held in Summer-2022. At the end of the session, a brief and productive question/answer session was held



national and international level. The speaker shared various tips and tricks to successfully enhance listening,

to address the queries of the participants.

Online Session on Project Proposal Writing

The Department of English arranged an online session on 'Project Proposal Writing' on June 15, 2022. Ms. Noshaba Zafar, Senior Technical Advisor - GBV (Gender-Based Violence), Corus International, Washington DC, USA, served the occasion as guest speaker. Ms. Noshaba Zafar has not only worked with various prestigious organizations within Pakistan but also with different UN agencies in advisory and managerial roles.

The speaker delivered a detailed and an effective lecture on Project Proposal Writing. A comprehensive overview of all the essential parts of a standard

project proposal was offered by the speaker. Moreover, she also highlighted the essential DOs and DONTs of Project Proposal Writing. At the end of

the talk, a brief and productive question/answer session was also held to address the queries of the participants.



Professional Development Seminar on Language, Identity, and Social Class

Professional Development Planning team, Department of English, organized its 3rd seminar on June 01, 2022. Dr. Ubaidullah Khan, Assistant Professor, Allama Iqbal Open University, Islamabad and Dr. Hashim Khan, Assistant Professor, Capital University of Science and Technology, Islamabad graced the occasion as guest speakers.

The speakers delivered a brief and effective lecture on 'Language, Identity, and Social Class' to enlighten the participants with the importance of

language as an influential instrument which shapes identity and social class. Additionally, the speakers discussed different aspects of identity and social

class as they are interconnected. The seminar lasted for an hour and a half followed by scholastic discussion and questions/answers session.



One-Day Workshop on SPSS

The Department of English organized a one-day workshop on SPSS on Monday, May 30, 2022. The purpose of the workshop was to equip the participants with the most updated knowledge about SPSS (Statistical

SPSS (Statistical Package for the Social Sciences) is a software program used by researchers in various disciplines for the quantitative analysis of complex data. SPSS provides a fast-visual modelling environment for models ranging from the simplest to the most sophisticated. SPSS data is used for surveys, data mining, market



Package for the Social Sciences). Mr. Hassan Javed, PhD Scholar and Lecturer, NUML, Rawalpindi, served the occasion as a trainer and shared his valuable thoughts on the subject-matter. The workshop was organized by Ms. Saddaf Adalat for the students of BS English.

research, and other purposes. Overall, it was an interactive session and proved to be a great source of hands-on knowledge for the participants. Dr. Muhammad Umar Farooq, Head Department of English, gave the closing remarks and presented the souvenir to the guest.

Seminar on Taxation System in Pakistan

The Department of Accounting and Finance arranged a seminar on 'Taxation System in Pakistan' on June 22, 2022. Mr. Asif Taj, Income and Corporate Tax practitioner associated with Z.A. Associates was invited as a guest speaker to deliver an informative speech on the 'Taxation System in Pa-



kistan'. He covered different aspects of the topic including Taxes in Islam, History of Taxes in Pakistan, System of Taxes in Pakistan and Types of Taxes in Pakistan (Income tax, Sales tax and Sales tax on Services). The seminar was very effective and fruitful for the students. After conducting an informative and productive question/answer session, the seminar ended with a note of thanks to all the participants.

A training session on Outcome Based Education (OBE) and Self Assessment Report (SAR) was arranged by the Department of English on March 16, 2022. The session was attended by all the faculty members of the department. OBE training was delivered by Mr. Inam Elahi, while Ms. Saeeda Ibrahim shed light on SAR. The session also addressed the importance of OBE system as compared to the traditional educational system.

Faculty member also participated in a hands-on training session and practically performed various OBE related activities including formulation of course CLOs as well as PLOs/CLOs mapping. Prof. Dr. Muhammad Umar Farooq, Head, Department of English, appreciated the faculty members for actively participating and showing keen interest

Training Session on OBE and SAR

in the training session. The session lasted for around two hours. At the end of

the workshop, a productive question/answer session was also held.



An Informational Seminar on

Presenting Yourself Through Your Curriculum Vitae

An informational seminar on the importance of 'Presenting Yourself Through Your Curriculum Vitae' was organized by the Department of Accounting and Finance on June 23, 2022. Mr. Barkaan Saeed, CEO of Viz-

ple who are focused on their goals and have sense of responsibility. He further added that it is the character that gains the trust of your employer and facilitates him to entrust you with major roles and responsibilities. Re-



teck, graced the occasion as the guest speaker. The session was particularly organized for the graduating students to understand the expectations of the job market. The speaker talked about various properties that are desired by the recruiters. He mentioned that recruiters usually focus on the peo-

ple who are focused on their goals and have sense of responsibility. He further added that it is the character that gains the trust of your employer and facilitates him to entrust you with major roles and responsibilities. Regarding resume writing, he mentioned that a candidate must dedicate proper time to his CV writing. It should be free of typos as it casts an impression of being careless to the recruiter. At the end of the session, Ms. Hajra Qayyum thanked the guest and presented him a shield as a token of gratitude.

Seminar on

Future Trading on PMEX

The Department of Accounting and Finance organized a seminar on 'Future Trading on PMEX' on June 13, 2022. Mr. Irfan Kasana, Senior Manager Business Development and Branch Manager Pakistan Mercantile Exchange served the occasion as a guest speaker. He shared his knowledge and experience of 'Future Trading on PMEX' with the participants. He discussed about the benefits of investment in the Future Trading and he also shared various techniques and tricks of Future Trading. At the end of the seminar, a question answer session was held to address the queries of the participants.



Pillars of Character Building – A Motivational Talk

The Department of Accounting and Finance organized a seminar on 'Four Pillars of Character Building' under the

Assistant Chief Manager, SBP served the occasion as the guest speaker. The seminar aimed to guide the students re-



supervision of Ms. Hajra Qayyum, on June 17, 2022. Mr. Ahmed Siddiqui,

guarding the basics of building a strong character along with some techniques

A seminar on 'International Biosafety and Biosecurity Related opportunities for young scientists' was arranged by the GENIX society of the Department of Bioinformatics and Biosciences

zymes, and antimicrobials. Dr Afreenish Amir is a medical microbiologist with over eleven years of experience in clinical microbiology and infectious diseases; she is currently working as

International Biosafety and Biosecurity Related Opportunities for Young Scientists

on June 10, 2022. The guest speakers were Dr. Wasim Sajjad and Dr. Afreenish Amir. Dr. Wasim Sajjad is



a goal-oriented Microbiologist with a broad and acute interest in the discovery of new innovative by-products, en-

Technical Officer Antimicrobial Resistance at the National Institutes of Health, Pakistan.

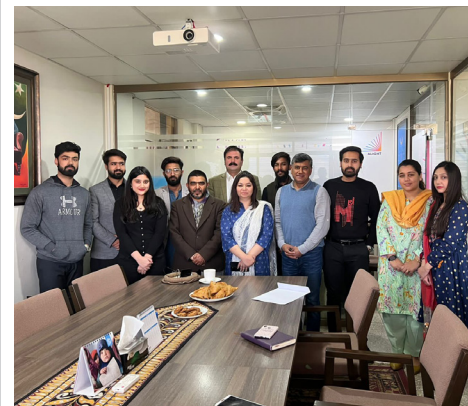
Dr. Wasim Sajjad talked about 'Global Health Security Consortium' which was based on the global health security agenda. He also highlighted UN-ODA workshops that works on biosecurity diplomacy. Along with that, he discussed about biological weapons, norms against biological weapons, key provisions of biological weapons, bio risk assessments and legislative efforts of the Pakistani Government. Dr. Afreenish Amir talked about Pakistan Biological Safety Association, the agenda of PBSA, the faculty and organizational structure of PBSA, the history and activities of PBSA. At the end, the speaker highlighted different ways to get in touch and work with PBSA.

to discover and experience the qualities of a good character. It aimed at providing students with an opportunity to look into their character to improve themselves and to evaluate which traits to avoid or incorporate into their behavior. The speaker narrated an inspirational story of Hazrat Junaid Baghdadi (R.A) and his obedience towards his mother and teacher. Mr. Ahmed also debated on a number of issues including aggression, mistrust, and intolerance among youth. He also talked about the role of religion in achieving the highest morals and an excellent character. At the end of the talk, an interactive question-answer session was conducted wherein students cleared their ambiguities regarding the subject matter. Ms. Hajra Qayyum thanked the guest and presented him a shield as a token of gratitude.

Farewell Parties for

VIS-CUST Students Fall 2021

Directorate of VIS-CUST placed 862 students in VIS community service in 28 different organizations during Fall-2021. To appreciate the efforts of these students, different partner organizations organized farewell parties in their honor. Helping Hand for Relief Development (HHRD), Al-Khidmat Foundation, Alight, Pakistan Association for Girls Education (PAGE), SADE welfare Trust, Islamabad Traffic Police, Institute of Policy Studies, and Strive Trust arranged farewell parties and awarded certificates to CUST volunteers for their humanitarian and welfare services.



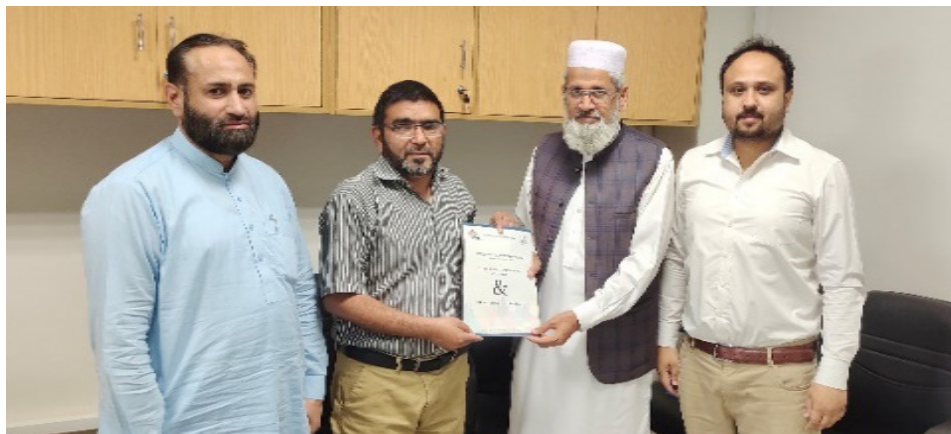
VIS CUST: New Collaborations and MOU Renewals

VIS-CUST signed three new MOUs with leading non-profit Pakistani organizations namely Pakistan Girls Guide Association (PGGA), Al-Khidmat Foundation, Rawalpindi, and Al-Hijrah Schools Trust Zirat, Baluchistan. PGGA will accommodate 45 CUST students every semester for VIS community service. Al-khidmat Foundation, Rawalpindi will place 30 students per semester in different projects. Al-Hijrah Schools Trust will accommodate 20 students per semester for their projects in Islamabad and Baluchistan.

VIS-CUST also renewed MOUs with three different organizations namely Social Welfare and Bait-ul-Mal De-

partment Rawalpindi Division, Peace and Development Foundation, and Positive Pakistan. These organizations run several projects for the wel-

fare and education of the community. These MOUs were renewed to provide best and appropriate opportunities to the students of CUST.



VIS-CUST Signed MoU with Anjuman Faiz-ul-Islam (AFI)

On August 03, 2022, Prof. Dr. Riaz Ahmad, President, Anjuman Faiz-ul-Islam (AFI), visited Capital University of Science and Technology (CUST) to sign a Memorandum of Understand-

ing with VIS-CUST. Anjuman Faiz-ul-Islam (AFI) is one of the oldest and remarkable organizations in the region which runs several projects in the field of community welfare and education. AFI is not only recognized at national level but also at international level in the field of social and community welfare. Prof. Dr. Riaz Ahmad discussed various ways of coordination between CUST and AFI and appreciated VIS-CUST model in the field of community work and offered AFI's cooperation to VIS-CUST. Respectable Vice Chan-



cellor, Prof. Dr. Muhammad Mansoor Ahmed took keen interest in different projects of AFI and both sides agreed to continue cooperation with each other. President AFI, Prof. Dr. Riaz Ahmad also formally invited Prof. Dr. Muhammad Mansoor Ahmed to visit Anjuman Faiz-ul-Islam complex. After detailed discussion, a MoU was signed between VIS-CUST and AFI.

On June 20, 2022, students from the Department of Psychology visited the factory of 'Murree Brewery' under the supervision of Ms. Javeria Khalid. The purpose of this trip was to help students enhance their communication skills; learn how highly trained officials communicate formally; and understand why communication skills are important for workplace scenarios. Mr. Khurram Bashir, Manager Quality Assurance, facilitated the trip and highlighted the importance of communication in making an organization successful. The visit provided an opportunity for the students to interact with highly trained and experienced personnel. The trip also helped students to enhance their communication skills and teamwork abilities.

Industrial Trip to Murree Brewery

On June 20, 2022, students from the Department of Psychology visited the factory of 'Murree Brewery' under the supervision of Ms. Javeria Khalid. The purpose of this trip was to help students enhance their communication skills; learn how highly trained officials communicate formally; and understand why communication skills are important for workplace scenarios. Mr. Khurram Bashir, Manager Quality Assurance, facilitated the trip and highlighted the importance of communication in making an organization successful. The visit provided an opportunity for the students to interact with highly trained and experienced personnel. The trip also helped students to enhance their communication skills and teamwork abilities.



A One-day Workshop on QuickBooks

The GENIX Society, Department of Bio-informatics and Bio-Sciences organized a 'One-Day Workshop on QuickBooks' on June 09, 2022. The purpose of the workshop was to equip participants with the most updated knowledge about QuickBooks. QuickBooks keeps track of your bills and expenses automatically. The trainer was Ms. Tahira Zahoor, CEO of Tax and Accounts Digital Consultancy. Overall, it was an interactive session and proved to be a great source of hands-on knowledge for the participants. Closing remarks were given by the chief guest Dr. Sahar Fazal, Head, Department of Bioinformatics

and Bioscience. Dr. Sahar Fazal also

appreciated Ms. Sadaf Adalat for making all the necessary arrangements. At the end, the guest speaker, Ms. Tahira Zahoor, was presented the souvenir.



Inaugural Ceremony of SPELL Magazine

The Department of English arranged an inaugural ceremony to launch SPELL Magazine on July 04, 2022. SPELL Magazine (Students' Panel of English Literature and Linguistics) is a platform provided by the Department of English for the students to showcase their thoughts and talents in the form of essays, short stories, poems and quotations. A number of students from vari-



ous departments of the university made their contribution in making this magazine a success. Dr. Arshad Hassan, Dean, Faculty of Management and Social Sciences, appreciated the faculty members and students for making this possible in a very short span of time. At the end, students who performed well in different academic and co-curricular activities were awarded with appreciation certificates.

Display of Students' Work



The Department of English arranged a two-day exhibition for its students to demonstrate their work in the form of posters. The posters were exhibited on June 27 and 28, 2022. A number of students actively participated in this activity. Dr. M. Umar Farooq, Head of English department, and other faculty members visited the display and appreciated the students.

VISIT TO Pakistan Museum of Natural History

An instructive visit to the National History Museum was arranged by the Department of Bioinformatics and Biosciences in May, 2022. The university buses left from university early in the morning and reached the museum early to avail and get vital information regarding the museum, its management and labs. It has display and exhibition sections which

show and provide data about biology, geography and paleontology of the natural living organisms. As of now, the museum houses a collection of over 600,000 objects. The staff guided the students and briefly explained each and every detail about the objects and species over there. On the ground floor, different creatures and imperiled species were exhibited and protected. Students also observed many imperative species of plants. A few of the species were stuffed by the process called taxidermy. Numerous financially imperative stones were also kept there for visitors. Most importantly the species which are terminated presently and cannot be seen in the world nowadays were also protected there or either stuffed. Museum consisted of diverse labs, wherein the method of stuffing and conservation was going on. The lab in charge and the rest of the



staff enlightened the students about numerous things with respect to the labs.

The Department of Accounting and Finance organized a tour of Pakistan Stock Exchange (PSX) and Paki-

sult of a joint effort made by Dr. Arshad Hassan, Dr. Jaleel Ahmed, and Dr. Nousheen Tariq Bhutta.

Visit to Pakistan Stock Exchange and Pakistan Mercantile Exchange



stan Mercantile Exchange (PMEX) on June 10, 2022. Mr. Nasir Rasool, Dr. Nousheen Tariq Bhutta, and Ms. Sadaf Adalat supervised. This visit was the re-

PSX representatives briefed the students about the working mechanism of the Stock Exchange, its ecosystem, and its role in capital formation

Department of Bioinformatics and Biosciences organized a 'Walk on Emerging Trends in the Field of Accounting to

learning.

The walk was organized by Ms. Saddam Adalat for the students of BS Bioinfor-

Walk on Emerging Trends in the Field of Accounting to Provide Financial Literacy

Provide Financial Literacy' on June 16, 2022. The purpose of the walk was to provide financial literacy to the students about emerging trends in the field of accounting. Financial literacy is a very important component for every individual in today's world. Financial literacy is the

matics and Biosciences. Students used different colorful posters and banners to convey the message on emerging trends including Forensic Accounting, Cloud Accounting, Role of AI in Accounting, Data Science in Accounting, Block Chain and Cryptocurrency, Auto-



ability to understand and effectively use various financial skills, including personal financial management, budgeting, and investing. Financial literacy is the foundation of a person's relationship with money, and it is a lifelong journey of

mated Accounting Processes/Software and Out Sourcing. Dr. Sahar Fazal, Head of Bioinformatics and Biosciences department, and Dr. Syeda Marriam Bakhtiar appreciated the work of the students.

in the country. Students were encouraged to invest in the Stock Exchange with the minimum amount. The PSX representatives guided the students on how to select stock brokers with the help of the brokers' list and contact details available on the PSX website.

In the second activity, the students visited Pakistan Mercantile Exchange (PMEX) to gain knowledge about account opening which is the basic requirement to trade in the Stock Exchange. The students along with the PMEX team visited one of its brokerage houses named Zahid Latif Khan Securities, where they gained knowledge about commodity futures markets like gold and crude oil. There was an interactive question and answer session at the end of each session wherein students asked several relevant questions from the PSX and PMEX representatives.

Podcast on World Malaria Day

The GENIX society, Department of Bioinformatics and Biosciences in collaboration with Capital Media Club, arranged a podcast on Voice of Capital FM 97.6, hosted by Laibah Hashmi, President of GENIX, and co-host Aina Nazim, Executive member GENIX, on April 25, 2022. In this session, they highlighted the causes, effects, preventions and treatments of Malaria along with the causing agent and the life cycle of Malaria Mosquito.

The main agenda of this event was to spread awareness about the continuously increasing cases of Malaria in Pakistan and all over the world. They shared preventive measures that should be taken by the people to avoid interaction with Malaria Mosquito. Moreover, treatment steps that need to be taken to help the patients of Malaria were also shared by the hosts.



WORLD MALARIA DAY

AWARENESS WALK AND SEMINAR ON

International Day Against Drug Abuse and Illicit Trafficking

Pharma Spark Society, Faculty of Pharmacy, arranged an awareness campaign on 'Drug Abuse and Illicit Trafficking' on June 27, 2022. Dr. Tanveer Ahmad Khan presided over the occasion as guest speaker. Dr. Tanveer Ahmad Khan is currently working as in charge of Federal Narcotics Testing Laboratory (NIH), Pakistan. The honorable speaker delivered a detailed session to spread awareness about narcotics. He also shared the sampling and testing methods of narcotics in national control laboratories. Dr. Nadia Shamsad Malik presented a souvenir to the honorable guest and then progressed for 'a walk for a noble cause'. All the necessary arrangements. At the end,

the guest speaker, Ms. Tahira Zahoor, was presented the souvenir.



World Blood Donor Day

Pharma Spark Society, Faculty of Pharmacy, celebrated 'World Blood Donor Day' on June 14, 2022. The event was conducted in collaboration with Regional Blood Centre, Ministry of Health, Pakistan. The seminar mainly focused on raising awareness among the students regarding blood donation and its importance for patients of thalassemic as well as

the importance of blood donation; Mr. Fazal Mabood talked about safe blood transfusion; and Dr. Amna Latif highlighted the importance of blood donation and transfusion for thalassemia patients.

The Faculty of Pharmacy and Regional Blood Center also signed an MOU for future cooperation. Souvenirs were presented to the honorable guest speakers and chief guest of the event by Dr Muzaffar Abbas, Dean Faculty of Pharmacy. The seminar was fol-

lowed by an awareness walk from Auditorium 1 to K block where the blood donation camp was organized. In the donation hall, the blood donors were screened for their vitals such as height, weight etc., before donation. More than hundred faculty members and students of the university actively donated blood. At the end of the seminar, certificates were given to the blood donors and souvenirs were presented to the organizers by the officials of Regional Blood Centre.

Shell Scripting Competition

IEEE CUST conducted an interdepartmental 'Shell Scripting Competition' on May 26, 2022. The main goal of the event was to provoke competitive spirit among the students. The competition also helped the students in gaining substantial experience. Moreover, its key purpose was to boost confidence level in the students and provide them a platform to showcase their competitive skills.



health benefits for the donors. The chief guest of the event was Mr. Abdul Sattar Khokar, Joint Secretary/Project Director, SBTP. Ms. Hina Bilal enlightened the participants about

lowed by an awareness walk from Auditorium 1 to K block where the blood donation camp was organized. In the donation hall, the blood donors were screened for their vitals such as



UNITED NATIONS

Public Service Day

Pharma Spark Society, Faculty of Pharmacy, celebrated 'United Nations Public Service Day' on June 23, 2022 to appreciate and recognize the efforts of the public for their community and public service. The Social Welfare Club of Pharma Spark Society actively participated in the event to make it successful. A special speech regarding the day was given by Dr. Muzaffar Abbas, Dean, Faculty of Pharmacy and Ms. Ni-

tasha Gohar, Patron, Pharma Spark Society. Tokens of thanks were distributed

guards and bus drivers in order to acknowledge and appreciated the devot-



among the staff members, attendants, ed services provided by them.

STUDY TRIP TO

National Agricultural Research Centre (NARC) Islamabad

A one-day study trip to National Agricultural Research Centre (NARC), Islamabad was arranged by the Department

with the advanced tools and techniques used in various research projects currently going on in NARC.



of Bioinformatics and Biosciences for its students on June 04, 2022. The aim of this trip was to introduce the students

The tour started from National Institute of Genomics and Advance Biotechnology (NIGAB). The students were

briefed about on-going NIGAB projects by Dr. Zaheer. After initial briefing, students visited labs of NIGAB and were briefed about various tool and techniques by Dr. Sabahat. After NIGAB, students visited the Land Resources Research Institute (LRRI) where students were briefed by Dr. Tauseef Tabassam about the projects going on in LRRI. Then the students visited labs of LRRI where they were told about the tools and techniques used for research purposes. At the end, the students visited fields and green houses where they learned about field trials of various crops.

VISIT TO

Tarbela Dam Hydrel Project

The Department of Mechanical Engineering arranged a study visit for the students to 'Tarbela Dam Hydrel Project' on June 18, 2022. The tour was supervised by Mr. Muhammad Haroon, Dr. Ifran, Dr. Khawar Naveed and Mr. Saifulah Awan. Mr. Salar Masood, Engineer at Tarbela T4 Powerhouse, welcomed the students. Students saw the working mechanism of the turbines, generators and the water flow control process from the dam to turbines. There was a Cutaway Model at the entrance of the Pow-

er Station. The model and the working mechanism were explained by the host Mr. Salar Masood. After the Cutaway



Model, the students saw the control room where the Frequency Control system of the Powerhouse was explained. The frequency was kept around 50Hz and the power plant generates around

1000MV.

Afterwards, the students were guided through different sections of the dam and witnessed the working of turbines, generators, governors and the associated energy generation systems; students were also shown the Spillways and Emergency Release valves. After visiting the Powerhouse, students visited the Dam Reservoir. The tour was very fruitful since the students saw the real-life application of the power generation. Students enjoyed a lot during the study tour and increased their knowledge about power plants as well. The tour not only proved to be a recreational but also informational and knowledgeable.

Road Safety Broadcast on Voice of Capital (FM 97.6)

Students from the Department of Mechanical Engineering recorded a show regarding road safety on Voice of Capital (FM 97.6) on June 13, 2022 under the supervision of Mr. Muhammad Haroon. Dr. Muhammad Usman Farooqi, In-charge Voice of Capital, welcomed the guests at the studio. Mr. Abdulllah Rahman, Mr. Muhammad Talal Javed, Mr. Shujahat Jhangeer and Mr. Hafiz Sohab Tahir shared their thoughts on the topic. The show was specially designed to create road safety awareness along with entertainment for the drivers of the twin cities of Rawalpindi and Islamabad. Participants shared their ideas and thoughts about the minimization of road accidents. This is only possible by strictly obeying the traffic rules and following the traffic signals and sign boards. The participants

insisted that the lack of patience in drivers is one of the major reasons of

way, not on the high way'. After the completion of show, In-charge Voice of



road accidents. The main theme of the broadcast was 'give blood in the right

Capital presented letters of appreciation to the participants.

INDUSTRIAL VISIT TO Nandipur Combined Cycle Power Plant and Gujranwala Hydel Power Station

The Department of Mechanical Engineering arranged an industrial visit to Nandipur Combined Cycle Power Plant and Gujranwala Hydel Power Station on July 03, 2022 for the final year undergraduate students of Mechanical Engineering. Mr. Muhammad Haroon took a team of 24 members including 20 students and 4 faculty members for the visit. The tour was hosted by the Plant Manager of Nandipur Power Plant.

The main focus of this industrial visit

was to bridge the gap between technical concepts taught in the classroom and their application in real life. Various technical concepts were discussed with the students which are applied in the field of Power Plants and Mechanical Engineering. Students were briefed about the salient features of the power plant, its operational and maintenance aspects and the safety procedures. Then the students visited different sections of the power plant, accompanied by the two experienced

and senior technicians. There were two gas turbines and both were fully functional and operating at its full capacity. The students then visited the control room where they were explained about the Frequency Control process by different methods.

After completing the tour of the Nandipur Combined Cycle Power Plant, the students then moved towards the Gujranwala Hydel Power Station. After a brief discussion for the understanding of operations at this power station, the industrial tour came to an end. The trip was very fruitful since the students experienced the real-life application of the power generation for the very first time. The trip proved to be recreational as well as informational.



TRAINING SESSION FOR THE PARTICIPANTS OF

HULT Prize Competition

Department of Civil Engineering conducted a training camp on March 18, 2022 to prepare the students for the 'HULT Prize Competition'. 'Hult Prize' is an international year-long competition for university students. It challenges young students around the world

to solve the planet's most pressing issues through social entrepreneurship. All the participants were advised to attend this event. Students were guided about making attractive presentations and pitching effective ideas. Dr. Ansar Ali Rajpoot was invited as the

guest speaker. He joined the session to guide the students about entrepreneurship and business. He shared his experiences in the market and shed light on how to effectively present business ideas. The training session lasted for three hours and it ended with a feel



of great enthusiasm for the pitching day. It provided students the opportunity to clarify their queries and refine their business ideas. The training session was subsequently followed by a healthy competition on March 28, 2022 wherein students put

their innovative ideas to compete with the other participants. The jury consisted of different industrial professionals having vast experience in their respective fields. The main purpose of the event was to give students an opportunity in the form of a healthy competition where they can put forward their ideas and compete in the world. It not only boosted confidence of the students but also provided them with learning experience as they interacted with students of other national and international universities. At the end, participants were presented with certificates, while and souvenirs were presented to the honorable judges.

to solve the planet's most pressing issues through social entrepreneurship. All the participants were advised to attend this event. Students were guided about making attractive presentations and pitching effective ideas. Dr. Ansar Ali Rajpoot was invited as the

E-Gaming Competition

CAUSE society, Department of Software Engineering, organized an event on E-gaming between June 07, 2022



and June 10, 2022. In this event participants registered in a number of games namely DOTA 2, Tekken 7, FIFA, Call of Duty 4 and PUBG. The event for 'Tekken 7' took place on June 07, 2022 wherein 20 students participated in the competition. After knocking-out everyone, Mr. Asad Shahzaib won the Tekken 7 tournament. The event of 'FIFA' took place on June 08, 2022. In this

event, total 16 contestants participated. Mr. Ayan Javed showed his gaming skills by easily winning the tournament. The event of 'Call of Duty 4' was organized on June 08, 2022. Four teams participated in the event. Each team consisted of 5 members. Team ReD showed their team work and their aiming skills and won the tournament. On June 09, 2022, the event of 'PUBG' was organized. Total 50 students contested in the 'PUBG' event. The winning team captain for the PUBG Classic Mode was Mr. Roohullah; while the winning player for the PUBG Team Death Match Mode was Mr. Taha bin Ansar.

their skills and creativity. The paintings showcased the sustainable ideas to halt biodiversity loss and promote extensive care towards animals. Dr. Saira Ahmed, Director DSE, praised the winners of the competition and awarded certificates among the participants who showed great passion and enthusiasm towards the competition.

Sustainability for Animal Rights: A Painting Competition

The Directorate of Sustainability and Environment organized a painting competition on 'Sustainability for Animal Rights' for the students to show



VISIT TO

Mera Ghar Shelter Home

Students from the Department of Associate Degree Programs visited 'Mera Ghar Shelter Home' under the supervision of Ms. Javeria Khalid on June 23, 2022. 'Mera Ghar' is not only a shelter home for orphans but also for those who have been abandoned by their families. The purpose of this trip was to observe the behavior, attitudes and emotions of the inhabitants. Students were able to explore the unattended facets of the society. This activity

not only enabled them to interact with them but also made them understand

the importance of social responsibilities.



Tree Plantation Campaign

The Directorate of Sustainability and Environment organized an on-campus tree plantation drive on March 29,



2022. DSE is playing a significant role by embedding sustainability in higher education. This activity was a part of DSE-Sustainability Week 2022 that was held from March 28, 2022 to March 31, 2022. The purpose of this activity was to sustain about an eco-friendly environment and preserve biodiversity at the campus by planting more trees. The activity also aimed to nurture the students' awareness about the nature.

Blood Donation Camp

VIS-CUST and Student Affairs Office, in collaboration with Shaukat Khanum Memorial Trust, organized a blood donation camp on May 23, 2022. Director Student Affairs, Prof. Dr. Muhammad Sagheer inaugurated the donation camp. A huge number of students and faculty members participated in the event by donating their blood. The

activity was highly appreciated by the



students and faculty members.

Seerat Conference

CUST Arts and Literary Club organized 'Seerat Conference' on June 23, 2022. A number of students participated in the event which was followed by a



speech by the guest speaker Ustaad Abdur Rehman Siddiqui. The guest speaker also presented a gift to the best performer of the event. At the end, Mr. Majid Malik presented the guest speaker with a shield.

Standup Comedy Contest

CUST Arts and Literary Club orga-

nized a 'Standup Comedy Contest' on January 20, 2022. The contest turned out to be a jam-packed event where students devotedly displayed their comedy skills. The performanc-



es of the participants were evaluated on the basis of their stage presence, originality and audience presence. At the end, cash prizes were distributed among the top three position holders of the contest.

Plantation Drive at CUST

VIS Directorate and Directorate of Sustainability and Environment (DSE), in collaboration with Helping Hand for Relief and Development (HHRD), arranged a planation drive in Capital University of Science and Technology (CUST) on March 30, 2022. Prof. Dr. Muhammad Mansoor Ahmed inaugurated the ceremony in the presence of VIS and DSE team members. A delegation from Helping Hand for Relief and Development (HHRD) also participated in the inaugural ceremony.

CONSULTANCY AND INFORMATIONAL DESKS ABOUT

Drug Abuse and General Health Conditions

Faculty of Pharmacy arranged consultancy and informational desks for the

health conditions on June 29, 2022. The main purpose of the event was to



awareness of drug abuse and general

address the problems associated with

drug abuse and general health conditions. The volunteers informed the faculty, staff and students about risks and preventions of drug abuse and how to improve general health conditions.

The event was led by Dr. Nadia Shamshad Malik, Dr. Muzaffar Abbas, Dean, and other faculty members of the Faculty of Pharmacy. The students from the Pharmacy departments provided informational services and consultancy. The brochures containing key messages and information were distributed among the faculty members, staff, attendants and students. The activity commenced with enthusiasm of serving, and finished with sighs of gratitude.

All CUST Student Mushaira

CUST Arts and Literary Club organized 'All CUST Student Mushaira' on May 30, 2022. More than forty CUST students and Alumni participated in the Mushaira. The Mushaira Contest was followed by a Musical Event. The event aimed at introducing the students with literature and classical music and promoting the local talent of CUST.



Honorable judges, Mr. Saeed Raja, Mr. Munir Fayyaz, and Dr. Mateen Abbas graced the occasion with the presence. At the end, winning participants from English and Urdu category were awarded with Shields and Certificates. Honorable Judges gave the participants their valuable advices regarding literature and motivated the students to keep the spirit of literature alive.

Annual Dinner 2022: Faculty of Pharmacy

The Faculty of Pharmacy organized its first Annual Dinner on May 31, 2022 in Topi-Rahk Complex, Rawalpindi under the supervision of Dr. Muzaffar Abbas, Dean, Faculty of Pharmacy. Chief Guest, Vice Chancellor, Dr. Muhammad Mansoor Ahmed also attended the ceremony. Opening ceremony started with the recitation from Holy Quran. Students of the Faculty of Pharmacy partic-

ipated in various activities to make the event successful. The main objective of this event was to ensure the interaction of all batches that modulate the professional attitude of all students and would help to groom students professionally. At the end of the function, students gave tributes to their respected faculty members.



Painting Competition

CUST Arts and Literary Club organized a 'Painting Competition' on January 19, 2022. The event focused on promoting the sense of visual arts among the students. Around eight students competed in the contest and painted on the theme 'Education for all'. At the end, cash prizes were distributed among the top three position holders

of the contest.



IMPACTS OF COVID-19

A Documentary Competition

Pharma Spark Society organized a documentary competition on the topic 'Impacts of COVID-19' for the students of the Faculty of Pharmacy on March 17,

2022. The main purpose of this competition was to highlight how COVID-19 affected social and professional lives of people. Mr. Zohaib Waqas, a student of

4th Semester, presented the best documentary. Dr Nadia Shamshad Malik congratulated the winner of the competition and awarded him with a certificate.

Open Mic Music Contest

CUST Arts and Literary Club organized an 'Open Mic Music Contest' on January 18, 2022. More than fifty students participated in the contest. The event took place for more than four hours. The event was witnessed by more than hundred enthusiastic audience members. The best performers were later presented with appreciation shields.



Mehfil-e-Milad

CUST Girls Club organized 'Mehfil-e-Milad' in April, 2022 during the month of Holy Ramazan. Students from various departments of the university participated in the 'Mehfil-e-Milad' with great reverence and enthusiasm to pay tribute to the Holy Prophet



(PBUH). The 'Mehfil-e-Milad' started with recitation of the Quranic verses and durood sharif in chorus. Melodious voices of the students held the hall spellbound and made the mehfil more spiritual and a source of inspiration. The soulful Mehfil-e-Milad ended with reciting Drood-o-Salaam and offering dua for peace, progress and prosperity not only for our own country but for the entire Muslim Ummah.

Girls Gala – Spring 2022

CUST Girls Club organized 'Girls Gala Spring 2022' on June 06, 2022 under the supervision of Dr. Dur-e-Shehwar Sagheer. A large number of girls from different departments of the university participated in the event. President of the forum Ms Momina and Vice President of the club Miss Shinza made all the necessary arrangements to make the event successful. Girls Club has set a new trend by inviting three alumni to judge the events. Ms. Misbah Ejaz, Ms. Adeen Raees and Ms. Eeman Farooq were the honorable judges. Five

different fun competitions were held and a number of girls participated in each competition. At the end, judges distributed shields to the winning stu-



dents and Dr. Dur-e-Shehwar Sagheer presented shields to the worthy judges.

No Backpack Day

Pharma Spark Society, Faculty of Pharmacy, organized a 'No Backpack Day' on June 24, 2022 wherein many students in the department participated cheerfully and depicted numerous

alternatives to the traditional school bag. The substitutes were not limited to bindles and hangars, but included cauldrons and weightlifting belts. The day was very much adored and relished as students were eager to show the ideas that they had come up with.



CUST ICONS

Dr. Arshad Hassan

Dean Faculty of Management and Social Sciences

Tell us about your qualification and academic Profile.

I received college education from Government College Sargodha presently known as the University of Sargodha. Then I completed MSc. Mathematics in 1989 in first division from the University of Punjab. In 1991, I joined the Department of Auditor General of Pakistan and completed the professional examinations in the field of Public Finance, and became an associate member of PIPFA in 1994. In 1997, I got enrolled Cost and Management Accountancy (CMA) programme offered by ICMAP and completed CMA in 2000. In 2001, I received a scholarship from the Ministry of Science and Technology and completed MBA in Information Technology from COMSATS in 2003 with a gold medal. In 2004, I won a scholarship for MS leading to Ph.D. programme from HEC and completed MS Finance in 2006 with a silver medal and Ph.D. in 2010 from Muhammad Ali Jinnah University Islamabad. I started my career in the public sector and later on joined academia in 2010. I am working at Capital University of Science and Technology (CUST) since 2010 and during this period, I have served in administrative positions like HoD and Dean. I have also supervised more than 200 MS/MPhil thesis and twenty Ph.D. scholars. I have also presented research papers in numerous academic/professional conferences in Pakistan, Turkey, and the USA and have published many research papers in reputed impact factor journals in the field of finance.

What is your favorite part about working in academia as a Dean?

The Dean of a faculty is responsible to provide overall academic leadership within the faculty and integrating faculty's interests into the strategic plan of the university. My focus is on advancing

the quality of programmes offered at the faculty and elevating academic excellence across the university. As a dean, I give priority to four aspects of education: improving the quality of curricula and instruction, making it relevant to national and international requirements, and promoting quality of research, and ensuring the best learning environment. Therefore, curricula are regularly revised and new subjects and skills are added to the existing programmes like Business Analytics, Digital Marketing, Project Finance, Financial Analytics, Marketing, and HR analytics. The faculty development programme is



chalked out and necessary workshops are arranged internally and externally. To keep aligned with international standards and practices, faculty is encouraged to join online advanced courses. Student-centric academic policies are devised and implemented transparently. Regular research/skill-based workshops are arranged so that capacity of the graduates is enhanced to compete in the market. Finally, academic discipline is ensured.

What is your opinion about the quality standards in academic institutions in Pakistan?

Education is a provincial matter in Paki-

stan. Primary and secondary education fall in the domain of provincial governments. More than 20 million children are out of school which is the second highest after Nigeria which is an alarming situation. These children are our future and deserve better tomorrow. An all-out effort is required from all concerned quarters.

The universities are part of tertiary education which is overseen by the HEC that assists in curriculum development, accreditation, and the financing of research and development. Pakistan produces about 445,000 university graduates per year. Many of these are weakly trained as there are issues like shortage of quality teachers, outdated curriculum, less relevance to market needs, and lack of commitment from stakeholders. For example, the business curricula were revised in 2012, and in the last 10 years, no up-dation is made at the national level. Many programmes are more knowledge-based and not application based. There is more focus and interest on memorization to qualify and pass exams so students lack professional skills as well as communication skills when they are graduated from such institutions. Moreover, many institutions do not provide skills that have a demand in the market so the employability of such students is again an issue. These students when do not get an opportunity in the market, they create a question mark about the whole system. At the same time availability of quality, and faculty is also the main issue. There are several applicants with local/foreign degrees but few have in-depth knowledge of their discipline. Many aspirant teachers do not realize that of all the hard jobs around, one of the hardest is being a good teacher. There is also a bright side to the picture; some institutions are working very efficiently. These institutions upgrade their programmes, and curricula regularly, impart technical and soft skills and develop confidence

in students to compete in the market. It is the need of the hour that every institution should focus on market-driven courses and improve the quality of courses and faculty. Recently, HEC has devised a new undergraduate policy which is a good initiative and addresses some issues like student grooming, soft-skill development, and entrepreneurial drive, but still, we have to do a lot. Especially, the concept of a practical learning lab is very good, I expect that it will help to bridge the gap between conventional education and market skill and improve the employability of the graduates. At the same time, students should also realize that there is no shortcut to success and in this era of technology, they have access to global resources so they should continuously equip themselves with the latest developments in their field.

What role does a dean play in the smooth running of the department?

Within the university, a dean is responsible for strategic planning and budgets; leading faculty through curricular evolution and programme development; hiring exceptional faculty, and fostering a climate of excellence and connectedness between the faculty, and other academic and non-academic units of the university.

The Dean provides an academic vision for the faculty and assist the Vice Chancellor in Academic Affairs. Deans have academic and managerial, responsibilities for a faculty. Deans ensure the quality of instruction, monitor academic integrity, confer degrees, and are responsible for admissions, and academic progress. They are responsible for the ethical conduct of research and for establishing and maintaining a culture of compliance and integrity among faculty, staff, and students. They provide direction for the education, training, and implementation of university policies and procedures.

Capital University of Science and Technology is a student-centric university. I, as a dean, always keep the students first and plan and propose a change in curriculum or educational practices

when it is in the interest of students. I believe in an open-door policy and students can visit any time to discuss their issues. The smooth running of a faculty is possible through teamwork; it means connecting with the head of departments, programme managers and faculty, and staff. Moreover, compassion is essential to develop a good bond among team members and helps in gaining the trust of the faculty at large. I think I am lucky that I have a very competent management team. As dean, I work with the faculty, staff, and students to cultivate a climate of intellectual excitement and creative vitality to achieve a shared vision. Moreover, through consultation, efforts are made to encourage curricular and pedagogical innovation, facilitate and support diversity and ensure alignment with the university's vision.

Finally, as a dean, I participate in faculty recruitment, retention, and development as well as oversee the development of the programmes and curriculum. These efforts are accomplished within the framework of shared responsibility among faculty and management to realize mission-driven outcomes.

What necessary steps do you take to maintain the integrity and efficiency of the Management and Social Sciences Faculty?

At CUST, we believe in the principles of academic integrity because the goals of teaching, learning, and research can only be accomplished in environments in which ethical standards are upheld. We are committed to three fundamentals: honesty, trust, and fairness. Honesty is a prerequisite for the full realization of trust, and fairness. We have published academic policies that send a clear message that falsification of data, lying, cheating, fraud, theft and other dishonest behaviors are unacceptable. These policies are strictly followed and necessary actions are taken against the persons involved. Trust is developed by setting clear and consistent academic standards, that apply these standards fairly. Trust is promoted by faculty who set clear guidelines for assignments,

projects, and evaluation of student work. Fair, accurate, and impartial evaluation plays an important role in educational processes, and fairness with respect to grading and assessment is essential to the establishment of trust. Consistent and just responses to dishonesty and integrity breaches help to establish an environment of fairness. Similarly, we promote ethical conduct in all aspects of the research process including conflicts of interest, data acquisition, management, sharing and ownership, publication practices, responsible authorship, and collaborative research and reporting. The departmental research ethics committee ensures that the standards are followed in letter and spirit.

What are your short-term and long-term goals?

Strategic planning is critical to the development and growth of every organization. The primary objective of a university is the holistic development of students so that they can gain expertise in their relevant fields. As a dean, my task is to devise and ensure successful execution of strategy and keep it align with the university's vision and mission. Therefore, the strategic planning at the Faculty of Management and Social Sciences revolves around various initiatives.

The survival and sustainability of any organization lie in its growth; the growth of the faculty is not only focused on attracting new and better-quality students for the existing programmes but also on designing and offering new programmes that can meet the changing requirement of the market. The Faculty of Management and Social Sciences is highly responsive to cope with the changes in a dynamic market. The faculty continuously evaluates and improves its existing programmes as well as offers new programmes too. The new programmes in pipeline include BS Business Analytics, MS Psychology, MS English, and MS Business Analytics.

Research activities are valued by the students, faculty, and business community. The Faculty of Management and

Social Sciences has a good blend of academicians and professionals trained from well-reputed foreign and domestic universities. They bring insights and research skills into the classroom and provide quality business education. The impact factor of papers published in the current year is more than 130. The university encourages and rewards basic scholarly research.

An educational institution is known for the product that it produces; if students get recognition in the market and get success in their careers, it creates a good reputation for the faculty and the university. The prime aim of the faculty is to produce career-ready graduates who are competitive in the market and responsible in society. For this purpose, various steps are planned including improvement in the quality of curriculum and faculty, focus on enhancing student competencies through skill-based workshops, increasing student exposure to the market through business projects, and career counseling.

The faculty recognizes the importance of liaison between industry and academia. It is a critical pathway toward significant opportunities for experiential learning and job placement. The university provides a vibrant forum for industrial experts, regulators, faculty members, and policymakers to share their special insights and ideas. The faculty is aimed

to engage with the corporate sector to enable the faculty to become an active partner in the area of collaborative research, executive education, and human resource development. Various arrangements have been made in collaboration with ICCI, RCCI, NIC, PSX, SECP, and PMI. Finally, the objective of the faculty is to transform lives for the benefit of the society. This is achieved through the creation and dissemination of knowledge that contributes to the well-being of the society. New courses in the domain of Corporate Social Responsibility, Managerial Ethics, Public Policy etc., have been introduced. It is aimed to instill a spirit of volunteerism in youth to make them realize the importance of their role in the betterment of society and in eradicating social evils.

What tools/strategies do you use to stay organized?

Organizing your work is the foundation of success in every area of your life. In order to stay organized, we follow a structured approach in the Faculty of Management and Social Sciences. The first step is setting short-term and long-term goals. The five years strategic plan is prepared where year-wise targets are set. The Faculty of Management and Social Sciences prepared its first strategic plan in 2016 and the second in 2021

with a focus on improving the quality of education and research, employability, and sustainability. New programmes and courses and skill sets were identified by engaging stakeholders from the corporate sector. BS Accounting and Finance programme was offered in 2017, BS Psychology in 2018, and BS English in 2021. Now, MS Accounting and Finance is Scheduled in 2022, and MS Psychology in 2023. Similarly, many new courses like Business Analytics, Financial Analytics, digital marketing, Marketing, analytics, and HR Analytics, have been designed and introduced to prepare business graduates for the future. When specific targets are set with milestones and a timeline, these help to organize work into more manageable tasks. To make sure that we achieve our goals in time, we track our progress. This is done through periodical reviews. Another important tool is to create a to-do list every week which contains import tasks that we have to complete within a week. It helps maintain productivity throughout the week. I would like to add that it is key to focus on what is important. You cannot do all things individually so assign tasks to your team members keeping in view their expertise. Finally, for young graduates, I would like to add that organized people are not born organized, they have to cultivate healthy habits, which then help them to stay organized.

Inter-University Sports Event

Students from the Department of Civil Engineering participated in an inter-university event 'HITECH Olympiad' organized by HITEC University, Taxila on June 08, 2022. The students participated in a number of recreational activities including snooker, badminton, scavenger hunt, table tennis, e-gaming etc. The event provided the students with opportunity to represent themselves and Capital University of Science and Technology at inter-university level. Furthermore, it provided them a platform to polish their skills by competing with the students from other universities. At the end, participants were awarded with certificates.



CUST ICONS

Dr. Aamer Iqbal Bhatti

Dean, Office of Research, Innovation and Commercialization

Why did you join the field of Electrical Engineering, and why did you become a researcher?

In my early days, I liked Physics and had a keen interest in it. I wanted to go for graduation and higher studies in Physics, but my father advised me to go for something that was more relevant to the current job market and also relevant to Physics, so as Electrical Engineering was a branch closest to Physics and was the current need of the hour, it made me persevere it.

Well, regarding research when I started my carrier in Pakistan, I did not start from the academics. I was initially in a government organization and then moved to another American design house working in Islamabad. After spending five to six years there, I realized that there is a dire need for good Electrical Engineering researchers in Pakistan. I thought it would be better if I put my energy and focus to carry out quality research either in defense or industry. That is how I ended up focusing on research, trying to excel it.

What made you go above and beyond to demonstrate yourself as the best researcher in academia, and why was it important?

Well, you need to have some basic IQ, and a few other basic things to go beyond normal or average. First, your internal motivation and passion drive you to do something. When you have passion for something, working becomes very clear when you have belief in it and you know that this is something you can do, pursue and excel in. So, my passion and dedication for research is the reason behind my success.

The second thing is perseverance because whenever we chase something we always face many hurdles. Whenever you focus on something that has never been done before, you face a lot of

problems as most of the time you do not have a mentor to face those hurdles so you need to persevere. So, I will answer this question in two words: motivation and drive.

How do you manage your research work with other major administrative responsibilities as a faculty member at CUST?

First of all, I have made strict timetables and made proper schedule for my meetings and other work. Basically, whatever I schedule for the first two hours of my day I give it my total attention and dedi-



cation so I prefer to put the most important tasks at the start of my schedule. These tasks are mostly to be performed in an organized way. The first two hours in the morning are my precious hours and I reserve them. I prioritize my time and work. I try to arrange my meetings in the afternoon because by then I am already done with my important works of the morning. I make weekly schedule having most important tasks for Mondays and Tuesdays and then less important ones for the end of the week. Also, I try to keep one day reserved for some external visits to conduct viva, some Ph.D. exam, or some seminars in some other institute. Moreover, I try to keep my meeting hours restricted to

one-hour as that is a time limit a person can truly concentrate with a fresh mind. I believe that after one hour it becomes a waste of time, and this is a golden rule that I learnt from my professors in Hong-kong. Thus, I will also say that it is not only you who manages things but you also have to teach your colleagues and students to manage time and get there on the appointed time. I also use google calendar frequently and also suggest others to write every detail on the calendar and manage their meeting time and other activities on it.

Can you explain a little bit about the research you are currently doing?

Most of us have cars and we all must know how they work. The engine needs petrol, you fill it with petrol and it gets burnt and some source boosts the car. Now if you look at the technology of engine thirty years ago, it was all based on mechanical work. There was no electronics involved but in the current cars, there are about forty computer chips installed in a car. Now this means that our engines are now controlled by these computer chips. So, because my main area of research is Computer Programming, therefore I focus on different kinds of programmes/chips that goes into the car computers. Twenty years ago, electronic cars came which were known as the EFI cars, and now every car is an EFI car. So, my group works on the computers of those cars which studies how should they be programmed, do they work smoothly, what are the challenges and what are the faults, and how to run a car so that minimum petrol is consumed. We have also started working on the treatments for cancer with Electrical Engineering in collaboration with the Biosciences department.

What would you suggest to the emerging researchers to improve their research skills, and why it is

so important to boost their career in academia as well as in industry?

I would suggest them to read a lot to improve their research skills because that is the only way through which we can learn and explore more and more. Looking at the next part of the question,

I would say that when you talk about the industry, here comes action while in academia teachers' main focus is on theory. Unfortunately, most of our academia does not focus on doing things practically, but if you go to industry, it becomes essential to apply what you learn. Working with industry makes you

understand more about your work. I would suggest that practical implementation of any theory in the industry is also very important way to understand your field which would ultimately boost the career as a student and as a professional.

CUST ICONS

Mr. Fida Hussain

Director, Quality Enhancement Cell

What type of interventions HEC has introduced to improve the Quality Assurance of HEIs in Pakistan?

HEC, since the beginning, adopted a systematic process towards implementation of agenda which outlined Access, Quality and Relevance as the key components. To address these challenges, a comprehensive strategy was outlined that identifies the core strategic aims for the improvement: (i) Faculty Development, (ii) Improving Access, (iii) Excellence in Learning and Research, and (iv) Relevance to National Priorities.

Realizing the challenges of management and sustainability of these strategic quality incentives, HEC established Quality Assurance Division in 2003 as a permanent structure for developing policies, criteria, mechanism, standards and also improving already developed policies and introducing instrumental changes in the quality of academics and management of HEIs, with the objective to bring them at par with international standards. Quality Assurance Framework provides academic guidance to the HEIs in the area of faculty, curriculum, teaching and research. Initiatives taken under the framework helps HEIs to improve their teaching, research and governance. These policy steps were implemented in HEIs across the country under the following phases:

Phase I: Developing QA Criteria and Guidelines

Phase II: Developing Internal Quality Assurance (IQA) System

Phase III: Developing External Quality Assurance (EQA)

What innovative strategies are adopted by the QEC to improve the teaching and learning process at CUST?

Capital University of Science and Technology (CUST) has always been in the forefront to comply and adapt to the best practices in the field of quality education and faculty development. Quality Enhancement Cell (QEC) at CUST is taking deliberate steps to bring about continual improvement and review quality standards and quality of teaching and learning across the departments.

- Online Peer Review Process
- Face-to-Face Classroom Peer Observation
- Best University Teacher Award (BUTA)
- Professional Development Center
- Institutional Professional Development Framework
- Research Excellence Framework
- Survey Instruments Revision

Tell us about the advantages of QEC in Higher Education Institutions?

The standards of quality of higher edu-



Apart from the strategies and policies outlined by the HEC and other regulators, QEC at CUST has adopted the following quality practices in line with the national, international and industrial demands and compatibility. The purpose of all these interventions is to improve the quality of faculty and overall teaching and learning environment of the institution.

cation in Pakistan needs to be improved significantly to achieve the goals of competitiveness with international standards and to create the foundations of knowledgeable economy and compatibility. To improve the quality of higher education and to move university education to meet international standards in the provision of high-quality teaching, learning, research and service, HEC established

Quality Enhancement Cells (QECs) in HEIs as a special feature of QA programme of Pakistan higher education system. QEC is mandated to ensure academic improvements, faculty development, and student-centered outcomes. QEC is responsible to develop, implement and monitor IQA and EQA policies in the HEIs under the guidelines of QAA, and act as focal point between the institution, HEC, and other regulatory bodies. QEC has to maintain and develop university quality assurance processes and methods of evaluation to affirm that the quality of provisions and the standard of awards are being maintained. QEC usually conducts academic audits to ascertain the standards and quality of teaching, learning and management in each subject area through various surveys as well as alumni and employee feedbacks. The quality assessment results, received through the survey instruments, help review the structure of existing programmes being offered by the university. It also provides guidance to the respective departments to streamline their programme objectives in line with the vision and mission of the university.

What are the difficulties you have been facing as Director QEC in while maintaining quality standards for an improved teaching and learning environment?

Capital University of Science and Technology is fully committed towards implementation of QA policies as per the requirements of HEC. Quality Enhancement Cell at CUST has always been proactive towards continuous quality improvement in teaching, student learning, and administrative support mechanism. QEC follows and implements all the set procedures for external and internal quality assurance as per the requirements of regulatory bodies within the university. In order to instill and pursue best quality assurance practices in line with the university's vision and mission, and through cooperative and professional aptitude of the Vice Chancellor, senior management including Deans, HoDs and faculty, QEC is striving hard to enhance the quality of teaching and learning in each subject area through regular systematic monitoring and feedback systems. CUST has allocated a separate yearly budget, allowing the QEC to catalyze their activities and execute the capacity building operations of the university faculty and administrative staff. QEC is planning to reduce the execution time of various surveys and minimize the efforts of faculty and students through automation of the feedback system, by introducing online survey portal.

What Quality practices have been

followed for curriculum development and programme evaluation at CUST?

Capital University of Science and Technology (CUST) follows scientific, research-based curriculum review process. All the programmes of CUST are accredited from their respective accreditation councils, under Outcome Based Education (OBE) system for which a comprehensive Curriculum Quality Improvement (CQI) process is in place and practiced. The curriculum review process is carried out in two levels through feedbacks received from students, alumni and employers based on three cycles assessment including Class Learning Outcome (CLO) assessment, Programme Learning Outcome (PLO) assessment and Programme Education Outcome (PEO) assessment. The first level of revision takes place at course level that includes reviewing CLOs, course contents, teaching methods, course activities etc. The second level is the programme level review that includes reviewing PLOs, programme roadmap, adding courses etc. Through CQI process, the results of the existing practices within the department are regularly evaluated and an action plan for future improvement is generated and acted upon.

SOCIETY IN FOCUS GENIX

GENIX is the society of the Department of Bioinformatics and Biosciences, Faculty of Health and Life Sciences. This society provides a platform for the students of the Bioinformatics and Biosciences department, enabling them to organize and participate in curricular and co-curricular activities. The objective of this society is to allow students to explore their hidden talents as well as discuss, through workshops, seminars and conferences, issues primarily relevant to society.

This platform is also utilized to conduct capacity-building workshops and seminars for students. Through GENIX, the

department organizes welcome and farewell get-togethers for incoming and outgoing students as well as for the alumni of the department. GENIX provides opportunities for students to nurture, develop and express their creative talents. Dr. Erum Dilshad is the current Patron of the society; she is looking after the society since 2018. The other members of the society include Mr. Faizan Naeem and Ms. Summaya Ijaz. The current president of the society is Ms Laiba Hashmi from BS Biotechnology programme.

Mission

To fuel student learning and to build important life skills such as social and leadership, which can enrich a student's

academic experience.

Abbreviation

- G: Guidance
- E: Enthusiasm
- N: Nature
- I: Inspiration
- X: Exhibition of right attitude

Scope of GENIX Society

- Awareness Campaign
- Educational Trip
- Seminars
- Career Counselling
- Conference
- Workshop
- Clean and Green Environment

CLUB IN FOCUS

CUST Arts and Literary Club

CUST Arts and Literary Club (CALC) strives to promote literature, arts, music, debates, photography, and dramas. With the vision to revive the lost residues of performing and visual arts with passion, CALC aims to encourage creativity and imagination and to peruse the delicate tinges of different facets of these arts. It aims to boost the confidence and personality of students. In addition, overlooking the literary and arts aspect, the club intends to provide a common ground to form new friendships, stimulate confidence, exchange views, and encourage a friendly environment to endorse the beauty of different ideas. It provides opportunities for everyone to be part of a diverse community in which they can enjoy, learn, participate and preserve the lost residues of literature and performing arts. The club works diligently under the supervision of its patron, Mrs. Qurat ul Ain Jalil.

Vision

To promote students' visual and performing arts and literary competencies through systematized platform for extra-curricular activities.

Mission

To create opportunities for everyone to be the part of a diverse community in

which they can enjoy, learn, participate, and preserve the lost residues of literature and visual and performing arts.

Achievements/ Milestones

CUST Arts and Literary Club has

- CALC organized more than fifteen events in a single semester in the academic year 2021-2022.
- The members of CALC participated in the National Literary Festival 2022, organized by the National University of Science and Technol-



achieved tremendous success in its very first tenure as a student society. The achievements include:

- CALC became the first student club at CUST to launch its own constitution document in line with the university rules and regulations.
- CALC was able to achieve 70+ student memberships this year.

ogy, Islamabad where one of the members, Ms. Sarah Saqib bagged first position in the English Elocution contest.

- CALC organized 'All CUST Student Mushaira' where more than fifty students from different universities of Rawalpindi and Islamabad participated.



FACULTY INDUCTION

Oct 2021 to Jul 2022

S #	Name	Designation	Highest Degree	Area of Specalization	University
Faculty of Engineering					
Department of Electrical Engineering					
1	Mr. Abdur Rauf	Junior Lecturer	MS -2010	Electrical Control Engineering	NUST, Rawalpindi
Department of Mechanical Engineering					
1	Dr. Ghulam Asghar	Assistant Professor	PhD-2021	Materials Science and Engineering	Shanghai Jiao Tong University, China
Department of Civil Engineering					
1	Dr. Salman Ali Suhail	Assistant Professor	PhD-2021	Geotechnical and Earth Resource Engineering	Asian Institute of Technology, Bangkok (AIT), Thailand
2	Mr. Muhammad Waqas Malik	Lecturer	MS-2017	Structural Engineering	NUST, Islamabad
3	Mr. Muhammad Zaheer	Associate Lecturer	MS-2021	Civil Engineering	NUST, Islamabad
4	Mr. Naseem Ali	Associate Lecturer	MS-2021	Civil Engineering	UET, Taxila
Faculty of Computing					
Department of Computer Science					
1	Ms. Asifa Kanwal	Associate Lecturer	MS-2020	Computer Science	CUST, Islamabad
2	Mr. M. Zeeshan Sabir	Lecturer	MS-2018	Information Security	Riphah Int. Uni. Islamabad
3	Mr. Mohsin Khan	Lecturer	MS-2020	Computer Science	Ghulam Ishaq Khan Institute of Science and Tech, Topi, Swabi, KP
4	Mr. Fahad Majeed	Associate Lecturer	MS-2021	Computer Science	UET, Taxila
5	Ms. Sara Durrani	Associate Lecturer	MS-2021	Computer Science	FAST, Islamabad
6	Mr. Hashim Ayub	Associate Lecturer	MS-2021	Computer Science	National Uni. of Computer & Emerging Science FAST, Islamabad
Department of Software Engineering					
1	Ms. Afsheen Masood	Lecturer	MS-2017	Software Engineering	Military College of Signals (MCS), NUST
2	Ms. Arusa Kanwal	Associate Lecturer	MS-2019	Information Security	NUST, Islamabad
3	Ms. Sara Durrani	Associate Lecturer	MS-2021	Computer Science	FAST, Islamabad
4	Sheikh Badar Ud Din Tahir	Associate Lecturer	MS-2021	Computer Science	Air University, Islamabad
Department of Mathematics					
1	Dr. Abid Kamran	Assistant Professor	PhD-2020	Mathematics	CUST, Islamabad
2	Mr. Waqar Younas	Lecturer	MPhil-2018	Mathematics	CUST, Islamabad
3	Mr. Azhar Rauf Khan	Lecturer	MPhil-2016	Mathematics	IU, Islamabad
4	Mr. Muhammad Iqbal	Lecturer	MS-2014	Islamic Business and Finance	Riphah Int. Uni. Islamabad
Department of Bioinformatics & Biosciences					
1	Dr. Sania Riaz	Assistant Professor	PhD-2016	Molecular Biology	Uni. of the Punjab, Lahore

2	Mr. Sami Ullah Jan	Senior Lecturer	MS-2015	Plant Biotechnology	NUST, Islamabad
Faculty of Pharmacy					
Department of Pharmacy					
1	Mr. M. Sulaiman	Lecturer	MPhil-2018	Molecular Pharmacology	Abbottabad Uni. Havellian
2	Mr. Sohail Riaz	Lecturer	MPhil-2018	Pharmacy Practice	Uni. of Balochistan
3	Dr. Fazlullah Khan	Assistant Professor	PhD-2019	Pharmacology and Toxicology	Tehran University of Medical Sciences
Faculty of Management & Social Sciences					
Department of Management & Social Sciences					
1	Mr. Iftikhar Ali Janjua	Principal Lecturer	MS-2012	Finance	Riphah Int. Uni. Islamabad
2	Mr. Faraz Ali Shah	Senior Lecturer	MS-2019	Management Sciences	SZABIST, Islamabad
3	Ms. Javeria Khalid	Lecturer	MS-2019	Management Sciences	Riphah Int. Uni. Islamabad
4	Dr. Mudassar Ali	Assistant Professor	PhD-2021	Business Administration	HARBIN Institute of Technology
Department of Accounting & Finance					
1	Mr. Muhammad Aksar	Senior Lecturer	MS-2015	Management Sciences Finance	Riphah Int. Uni. Islamabad
2	Ms. Saddaf Adalat	Lecturer	MS-2016	Finance	CUST, Islamabad
Department of Psychology					
1	Ms. Rabia Batool	Lecturer	MS-2017	Clinical Psychology	Bharia Uni. Islamabad
2	Ms. Irum Noureen	Lecturer	MPhil-2019	Psychology	QAU, Islamabad

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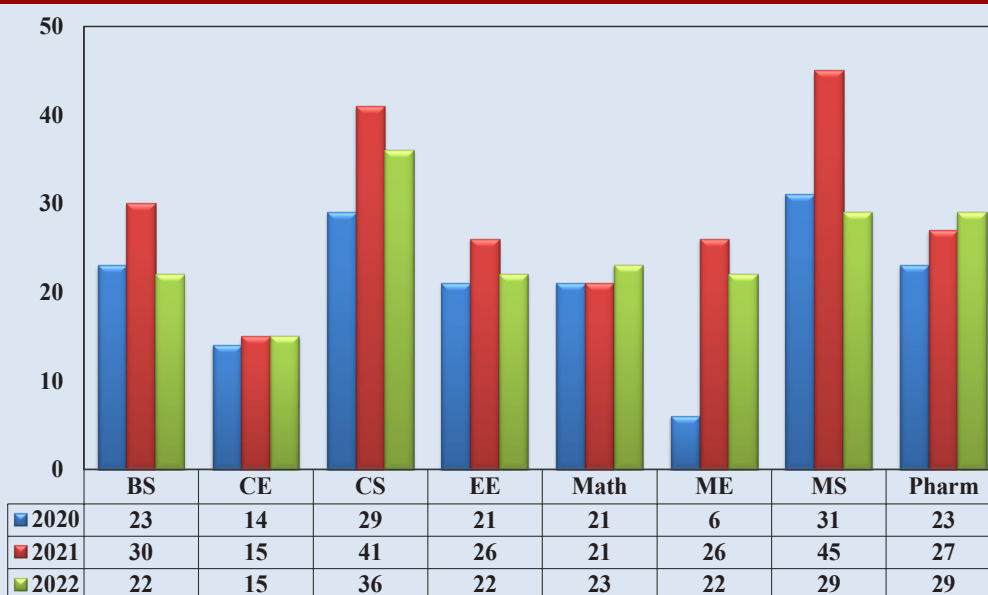
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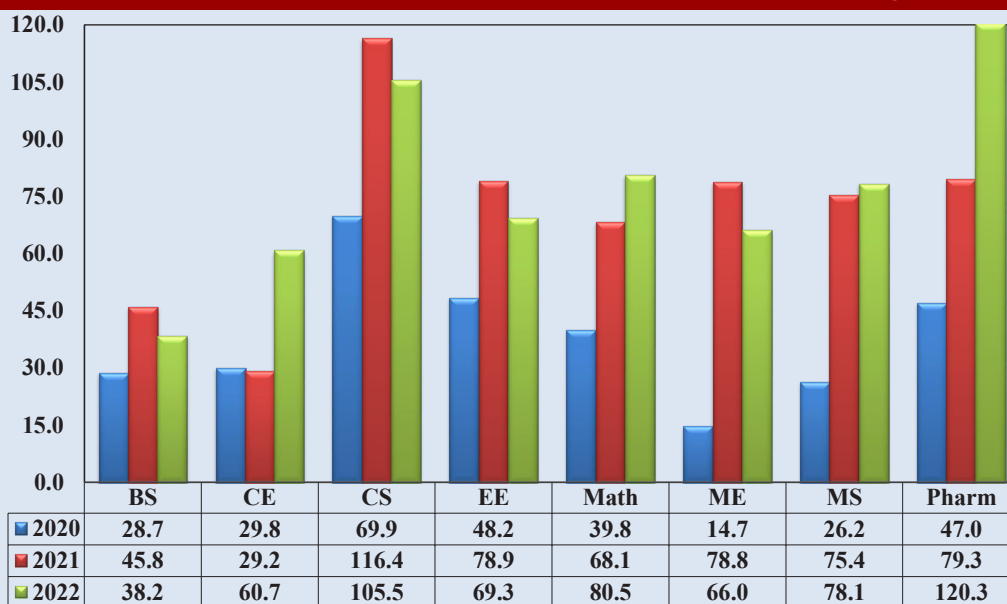
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