



# PARTNERSHIPS FOR THE GOALS



Strengthen the means of implementation and revitalize the global partnership for sustainable development

Goal 17 is crucial for enhancing the means of implementation and revitalizing global partnerships for sustainable development. These partnerships are essential for effectively implementing the Sustainable Development Goals (SDGs) and ensuring that progress is made across all areas, particularly in advancing child rights and well-being.

## Industry- Academia Partnership with NewTech Pipes Islamabad

The DME established relationship in submitting a proposal to NewTech Pipes for arranging internships and industrial visits for students to NewTech Pipes. During their visit the faculty members examined the manufacturing of pressure pipes like HDPE, PVC, MDPE, EC, PPRC and fittings along with the frequent problems that are encountered by various facilities and production plant on Jan 03, 2023 under the guidance of Mr. Asim bin Kazim. The visitation team included Dr. Atta ur Rehman Shah (Associate Professor/Head of DME), Dr. Shoaib Naseem (Assistant Professor), Dr. Shakeel Afzal (Assistant Professor), Mr. Arsalan Hussain (Lecturer) and Mr. Bilal Nutkani (Lab Engineer).

## Joint Collaboration and Cooperation

The Memorandum of Understanding (MoU) was inked between COMSATS University Islamabad and the Benazir Bhutto Shaheed University of Technology and Skill Development (BBSUTSD) Khairpur Mirs, Pakistan on June 06, 2023. On behalf of CUI, the in-charge Campus, signed the MoU to promote the future collaboration in the area of education, research and innovations, and both institutions recognize the importance of academic partnerships for enhancing the quality of higher education and for fostering mutual interests.

## Team Attended the Training and Project Meeting at University of Lorraine, France

The SAFE-Rural-Health program is Erasmus + funded Project and under its umbrella Faculty team from CUI Wah

Campus consisting of Prof. Dr. Ehsan Ullah Munir, Dr. Tassawar Iqbal, Dr. Saima Gulzar Ahmed, and Dr. Kashif Ayyub, and SAFE-RH Student team consisting of Mr. Ahmad Hassan (MS-CS), Muhammad Ali Arif (BS-CS) from Department of Computer Science, CUI Wah Campus attended Training and Project Meeting at University of Lorraine, France from November 11-20, 2023. Prof. Dr. Ehsan Ullah Munir presented progress of CUI Wah Campus team on respective Pilot. He further highlighted current achievements, challenges and future about Maternal and Fetus pilot of SAFE-RH. Dr. Saima Gulzar Ahmed along with students demonstrated Belt for Fetus Health Monitoring developed by CUI Wah Campus team. Dr. Kashif Ayyub presented Mobile Application developed for SAFE-RH Project and Dr. Tassawar Iqbal presented progress with respect to deliverables and milestones mitigated. All the partners appreciated the achievements of CUI Team.

CUI is committed to knowledge-sharing through quality education and actively engages the community by offering skills development programs. This includes hands-on training sessions, workshops, and seminars designed to enhance employability and professional skills.

Additionally, internships are provided to diploma holders and vocational trainers, allowing them to gain practical experience and improve their professional capabilities. The focus on poverty reduction extends to empowering women by creating equal opportunities for them to excel in their chosen fields.



Through these initiatives, COMSATS University aims to strengthen economic conditions, improve living standards, and ultimately contribute to the overarching goal of eradicating poverty.

A team of AIAA students Chapter from the Department of Mechanical Engineering

(DME), CUI Wah Campus participated in and won RC plane flying competition Taakra'23 by the University of Central Punjab. The event was held from February 23-26, 2023, in which 14 teams from across the country showcased their skills and expertise in building and flying RC planes. The teams were first judged based on their knowledge related to aerodynamics, electronics, and principles of flight. The team "Ascenders of CUI Wah Campus emerged victorious with an impressive flight time of 18 minutes. The team was composed of Mr. Usama Javed and Mr. Usama Akram, and the project was supervised by Assistant Professor, Dr. Muhammad Shoaib Naseem



To further its goals in poverty reduction, COMSATS University actively invests in capacity-building initiatives. On August 31, 2023, Ms. Sadia Nawaz, the In-charge of the Student Financial Aid Office (SFAO), attended a training session on the "Scholarship Management System" as part of the USAID-funded Merit and Needs-Based Scholarship Program (MNBS). This training equips staff with the necessary tools to effectively manage scholarship applications and resources, ultimately enhancing the university's ability to support deserving students from low-income families.

By improving the efficiency of scholarship management, CUI aims to provide more opportunities for students to access quality education, thereby contributing to poverty alleviation and promoting sustainable development.



Hands-on Training on the Implementation of Scholarship Management System

## Blood Donation Camp

The Pakistan Red Crescent Society (PARC) organized a Blood Donation Camp at CUI on May 23, 2023. More than one hundred volunteers showed interest in donating blood out of which 91 blood units were collected for saving the lives of critical patients in emergency who fighting against dread diseases. The donor students and employees' aim are to serving the humanity and to save many precious lives.



The Disaster Management Committee (DMC) organized a training session to provide first-aid training to first-semester students in the BBA and BSAT programs. This initiative aimed to equip students with essential skills to manage unforeseen catastrophic events effectively. The session was conducted in collaboration with the Red Crescent Society of Islamabad.

The mantra "First aid is better than late aid" emphasizes the importance of timely intervention in emergencies. Therefore, enhancing awareness and support for first-aid training is crucial, and more sessions like this should be organized regularly to prepare students for any emergencies they may encounter in the future.



## Character Building at CUI Wah

To spread the knowledge on the practical implementations and wellbeing of the principles needed to be followed in our daily lives considering the Seerat of Prophet Muhammad (PBUH). The Department of Electrical and Computer Engineering on April 6, 2023, organized a seminar on character building through Seerat un-Nabi S.A.W. The Guest Speaker, renowned scholar of Islamic studies, Assistant Professor and Head of

the Department at Riphah International University Islamabad. Dr. Hafiz Waqas Khan delivered a very comprehensive lecture on the Life and Times of Prophet Muhammad S.A.W. He addressed important aspects of Seerat un-Nabi S.A.W considering Qur'an affecting today's society with the special emphasis on character building.

## Skills Development Rising by Lifting Others - Seerat Exhibition

On October 5, 2023, the Department of Electrical and Computer Engineering, in collaboration with the Qirat & Naat Society of CUI, Al-Madina Islamic Research Centre (MIRC), and Nibras Institute, organized an educational exhibition focused on the life and teachings of the Holy Prophet Muhammad (SAWW).

Visitors were provided insights into the character and mission of the Holy Prophet, highlighting his significant role in Islamic history and the understanding of Islam. To inspire a deeper appreciation of the Prophet's Seerah, the exhibition featured a variety of artifacts, interactive presentations, and multimedia elements designed to engage attendees.

This initiative aimed to encourage learning about the Prophet's life, teachings, and the historical context in which he lived. The event saw a strong turnout, with many students, faculty, staff, and representatives from civil society in attendance.



On July 12, 2023, the Outreach Program Committee at CUI Wah Campus organized an informative awareness session. The event began with a warm welcome from Dr. Ambreen Shahnaz, who introduced the Outreach Program team, speakers, and event logistics.

Dr. Yaar Khan, the Convener of the Outreach Program Committee, shared insights into the fundamentals of the UN Sustainable Development Goals (SDGs), outlining the committee's objectives and initiatives.

Ms. Nabila Raheem, a professional clinical psychologist, addressed adolescent development and emphasized the importance of mental

health for socialization, as well as common causes of mental illness.

Dr. Hira Khan, a medical professional, provided valuable tips on maintaining a healthy lifestyle and precautionary measures for staying active. Additionally, Dr. Rukhsana Sheikh, a renowned gynaecologist, discussed reproductive health as an integral aspect of overall physical, mental, and social well-being.



## Rescue 1122 Training to Students on May 23, 2024

Under the directives of Dr. Ayaz Khan, Director General Rescue 1122 Khyber Pakhtunkhwa, and Mr. Arshad Iqbal, Regional Director North, and under the supervision of District Emergency Officer Mr. Arif Khattak and Training Wing In charge Mr. Malik Kamran, the Rescue 1122 team from Abbottabad provided training to the students of COMSATS University Abbottabad Campus. The training covered the services of Rescue 1122, first aid, basic firefighting, and disaster response. The Rescue Training Wing team conducted practical exercises in first aid and firefighting for the students.

District Emergency Officer Mr. Arif Khattak and COMSATS University Director MERIT.PROF.DR. IMTIAZ ALI KHAN also participated in the training session. Mr. Arif Khattak provided a comprehensive overview of the services offered by Rescue 1122. He invited the students of COMSATS University Abbottabad Campus to visit the Rescue District Office and Station, an invitation which was graciously accepted by MERIT.PROF.DR. IMTIAZ ALI KHAN. On this occasion, MERIT.PROF.DR. IMTIAZ ALI KHAN appreciated the services of Rescue 1122 Abbottabad and thanked the Rescue team.



## Problem Solving Contributes to Personal Development

A seminar Conducted on —How to Choose Right Career, Life Purpose and Soft Skills Development.” on October 23, 2023. The guest speaker Malik Saram Hadi, CEO EPIC delivered an effective talk on Purpose of life, soft skills and career development with students. The event aimed to raise awareness about mental and physical health. Keynote speaker Dr. Gul-e-Lita, a professional Clinical Psychologist, discussed leadership, adolescent development, and the importance of mental health. Dr. Hira Khan, a medical professional, provided valuable insights on physical health.

## An Awareness Session and Teaching/Recreational Activities at Orphanage, Wah Cantt

The Department of Civil Engineering and Outreach Program Committee of CUI Wah Campus jointly organized an awareness session, teaching and recreational activities at Orphanage, Al-Ummat Trust, Wah Cantt on November 16, 2023. The aim of the event was to conduct community services for the children of the Orphanage including both recreational and teaching activities and to foster an interest in community services and cultivating a mindset of reciprocity among the students and special children. Dr. Muhammad Yar Khan, Associate Professor, Management Sciences and Convener Outreach Program Committee of CUI Wah Campus briefed the audience regarding the scope and commitment of CUI Wah Campus in providing professional services for the betterment of the community. An awareness session was delivered by the Medical Officer, Dr. Hira Khan. She briefed the special children about self-hygiene and well-being. Practical demonstrations and engaging activities were included to make the learning experience enjoyable for the children. As a gesture of goodwill, faculty and students distributed gifts among the special children. Each child received a personalized gift, carefully selected to bring smiles and joy.



| QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2023 |  |                              |                      |                                 |                          |                               |                                   |
|--|--|------------------------------|----------------------|---------------------------------|--------------------------|-------------------------------|-----------------------------------|
| ENGINEERING & TECHNOLOGY                     | COMPUTER SCIENCE & INFORMATION SYSTEMS | ECONOMICS & BUSINESS STUDIES | NATURAL SCIENCES     | BUSINESS AND MANAGEMENT STUDIES | HEALTH & SOCIAL SCIENCES | ARTS & HUMANITIES             | BIOLOGICAL SCIENCES               |
| 267  | 251-300                                | 301-350                      | 451-500              | 401-450                         | 201-250                  | 2                             | 3                                 |
| 2  | 2                                      | 2                            | 2                    | 4                               | 2                        | 2                             | 3                                 |
| MATHEMATICS                                  | ACCOUNTING & FINANCE                   | ENVIRONMENTAL SCIENCES       | CHEMICAL ENGINEERING | PHYSICS & ASTRONOMY             | CHEMISTRY                | PHILOSOPHY, LINGUISTICS & LAW | AGRICULTURE, FORESTRY & FISHERIES |
| 251-300                                      | 301-330                                | 401-450                      | 351-400              | 301-350                         | 351-400                  | 351-400                       | 351-400                           |
| 3  | 2                                      | 3                            | 3                    | 2                               | 2                        | 2                             | 2                                 |

COMSATS University Islamabad (CUI) is dedicated to building adaptive capacity for educational goals and advancing the Sustainable Development Goals (SDGs) through quality higher education. A key focus is on empowering women, enabling them to become active participants in society. CUI provides a platform for students to enhance their skills through knowledge-sharing activities, fostering personal development and encouraging them to contribute positively as engaged members of their communities.

## Seminar on Beyond the Code: Exploring Diverse Careers in Computer Science

On September 14, 2023, the Department of Computer Science, along with the ACM Student Chapter at CUI Islamabad Campus, organized a successful seminar that drew a full audience and an enthusiastic response from Computer Science students.

Guest speakers Lecturer Mian Muhammad Talha and Ms. Maha Rasheed from the Department shared their industry experiences and highlighted exciting opportunities available to students. The seminar concluded with an engaging discussion session and a Q&A, further enriching the attendees' knowledge and insights into the field.



## Quality Assessment

The team of National Computing Education Accreditation Council (NCEAC) visited CUI at Islamabad campus on February 27, 2023, for the conduct of an accreditation audit of BS(CS) intake batches of Fall 2018, Spring 2019, and Fall 2019 and BS(SE) Fall 2018, Spring 2018 and Spring 2019. The Pakistan Engineering Council (PEC) conducted OBE based Re-Accreditation visit for BS Civil Engineering on June 23, 2023. The in-charge Campus gave a presentation regarding CUI and facilities and infrastructure for imparting quality education to students and highlighted research and future development plans.

## IELTS Preparation

A seminar on —IELTS Preparation was arranged by ASHRAE Society of Department of Mechanical Engineering CUI Wah Chapter. Dr. Ayyaz Qadeer, Assistant Professor, Management Sciences Department was the resource person. The students were guided IELTS basics, exam details. He explained different tips of getting higher bands.



## Industrial Open House and Career Job Fair

COMSATS University Islamabad (CUI), Wah Campus organized Open House and Job Fair on June 8, 2023, for the graduating students of Spring Semester 2023. In this event, more than 600 graduating students showcased their 237 Final Year Projects (FYPs), from the six different disciplines, Electrical & Computer Engineering, Civil Engineering, Mechanical Engineering, Computer Science, Software Engineering, and Management Sciences. More than 145 companies participated, shortlisted, interviewed graduating students, and offered jobs. Judges from industry and academia evaluated these projects, appreciated, and guided them with their valuable input. Industrial and academic representatives, faculty, and students visited and inspected the flagship projects. Prof. Dr. Shahid Mahmood Baig, S.I., Chairman, Pakistan Science Foundation (PSF) graced the occasion as the Chief Guest. In his opening remarks,

he emphasized on the importance of the industry-Academia partnership inculcating scientific research work environment in the country which is vital for the prosperity of Pakistan.



### Workshop on Mastering Sustainable Development Goals (SDGs) and its importance

The Department of Mechanical Engineering in collaboration with ASME CUI Chapter arranged a workshop on October 26, 2023. The talks were delivered by Sher Shah Khan Bangash, CEO Skillistan, Maryam Akhtar, Green Lady Movers Envoy, and Anum Ameer, CEO ARTY. The speakers introduced the 17 SDGs of the United Nations, their role in society, and their importance in Mechanical Engineering Projects. The speakers also had an interactive session with the students about each SDG.

### PhD Scholars Successfully Passed their PhD defense

Ms. Rabia Saleem successfully defended her PhD Thesis titled “Machine Learning Based Analysis of Agricultural Images for the Detection of Diseases” supervised by Dr. Jamal Hussain Shah and Co-supervised by Professor, Dr. Muhammad Sharif.

Mr. Mushtaq Khan successfully defended his PhD Thesis titled “Energy Efficient MAC Layer Mechanism for the Internet of Things”, supervised by Tenured Professor, Dr. Nadir Shah and Co-supervised by Professor, Dr. Wasif Nisar

Mr. Muhammad Bilal successfully defended his PhD Thesis titled “Emergency Message Dissemination and Delivery in Beacon Oriented v2v Networks” supervised by Prof. Dr. Ehsan ullah Munir.

Mr. Asim Ali successfully defended his PhD Thesis titled “Highly Dispersive Substitution Box (S-Box) Design”, supervised by Professor, Dr. Wasif Nisar and Co-supervised by Professor, Dr. Ehsan ullah Munir.

Ms. Maryam Murtaza successfully defended her PhD Thesis titled “ Fine-Grained Visual Analysis of Fashion Images using Deep Learning”, supervised by Associate Professor, Dr. Mussarat Yasmin.

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### Conference On Building the Workforce for The Future

Assistant Professor, Dr Ambreen Shahnaz from the Department of Management Sciences attended the conference "Building the Workforce for the Future" on 29-30 Nov. 2023 organized by the Pak-US Alumni Network (PUAN) of the US Mission, held at Marriott, Islamabad, and reflects a successful and insightful gathering. The event brought together a diverse group of professionals, educators, and alumni who have benefited from various US exchange programs, fostering a platform for dialogue and networking. Keynote speakers, including notable figures from both Pakistani and US educational and professional sectors, emphasized the importance of skill development, technological adaptation, and innovative thinking in preparing the workforce for future challenges. Interactive sessions and workshops focused on practical strategies for integrating advanced technologies and entrepreneurial skills into Pakistan's workforce development.



The event also highlighted PUAN's commitment to strengthening Pak-US relations through educational and professional exchanges, underscoring the importance of international collaboration in addressing global workforce challenges. The enthusiastic participation and positive feedback from attendees underscored the event's success in providing valuable insights and fostering connections that contribute to the ongoing development of Pakistan's workforce.



### Winning the Project Funding under US Incubation Program

The collaboration between BIC-CUI and the US RAIN Catalyst to empower women entrepreneurs in Pakistan is a significant step toward fostering innovation and supporting local talent.

Ms. Kiran Rashid's project on the design and fabrication of a high-energy ball mill for synthesizing nanoparticles is particularly noteworthy. By focusing on additive manufacturing and addressing the need for locally produced materials, her work not only contributes to technological advancement but also reduces reliance on imports, which is vital for Pakistan's industrial growth.

Empowering women like Ms. Rashid in STEM fields can have a transformative impact on society, encouraging more women to pursue careers in engineering and technology. This project is a great example of how targeted support can lead to tangible advancements and inspire future generations of women in science and entrepreneurship.

### Celebration of International Women Day

To uplift women's accomplishments and to highlight the success of bright and ambitious female scholarship awardees of USAID Merit and Needs Based Scholarship Program (MNBSP), the student of MS (CS) from CUI Wah Campus Ms. Laraib Fatima Talib appreciated and treated as a special case on her exceptional skills of intelligence and adds her success story of the USAID Scholarship Program on the occasion of the International Women Day on March 7, 2023 The event was organized by the Higher Education Commission (HEC) and the United States



of America Mission to Pakistan. The USAID Merit and Needs Based Scholarship Program motivates the young women to access higher education to achieve academic and professional milestones.

### All Pakistan Inter University Bilingual Declamation Contest Gender Equality – 2023

Ms. Reemal Imtiaz from the Department of Computer Science has secured the 2nd position in All Pakistan Inter University Bilingual Declamation Contest 2023 held at HEC on May 4, 2023, Islamabad. She participated in the English contest on the theme, 'My Constitution - Guarantee of My Freedoms', organized to celebrate the 50th anniversary of the Constitution of Islamic Republic of Pakistan by the Higher Commission of Pakistan (HEC). Federal Minister for Law and Justice Azam Nazeer Tarar was the Chief Guest of the event. On the occasion the Chairman HEC, Dr. Mukhtar Ahmed, Executive Director HEC, Dr. Shaista Sohail and other dignitaries congratulated the winners and emphasized on the role of leaders and teachers in nation building. The Vice Chancellor, Faculty Members and large number of students from All Pakistan Inter University Bilingual Declamation Contest Gender Equality - 2023 different universities attended the event.



### Outreach to Communities

Dr. Ambreen Shahnaz, Assistant Professor from Department of Management Sciences conducted the training session titled "Cascading Knowledge: Sharing My Experience as an OPEN Alumni on Availing Exchange Programs" on May 24, 2023, at WISE School and College (TRUST) Wah Cantt. The training was aimed to implement the outreach activities of CUI, Wah Campus and to highlight personal experiences, knowledge sharing, and encouraged others to participate in professional development programs. The event was well-attended by 25 female School Teachers and Principals.

### Training on Gender Equity and Leadership Roles for Women

In-charge, Student Financial Aid Office (SFAO) Ms. Sadia Nawaz, attended the two day workshop on —Gender Equity and Leadership Roles for Women , organized by the USAID funded Merit and Need Based Scholarship program from July 31 – August 1, 2023. The workshop aimed enhances the leadership capacity of women to lead and to grab equal opportunities of leadership for emerging women leaders in the academic sphere.

The UNESCO Chair on Knowledge Systems for (IWRM) organized a one-day Workshop on the Hydrological Modelling Application of SWAT on February 28, 2023 in collaboration with the Department of Civil Engineering. The resource person, member IWRM / Lecturer, Engr. Summera Fahmi from the Department of Civil Engineering shared her knowledge and expertise on Hydrological modelling techniques to identify the watersheds, Soil, and Water Assessment Model (SWAT) of the Gilgat, Pakistan to study, water quality, sediment and effects of climate change. The researchers from the CUI Abbottabad, PCRWR and Workshop on Hydrological Modelling Application of SWAT Clean Water and Sanitation Ensure Availability and Sustainable Management of Water and Sanitation for graduate/ undergraduate students from CUI attended the workshop. The UNESCO Chair on Knowledge Systems for Integrated Water Resources Management (IWRM), Prof. Dr. Muhammad Abid, T.I., in his closing remarks emphasized on the capacity building in the adaptation of improving technologies in research and development.



### Celebrations of World Water Day - 2023

In recognition of World Water Day an annual United Nations (UN) observation day held on every March 22 arranged a seminar on "Accelerating Change for Water Security in a Changing Climate: Innovative Solutions for Improved Resilience" on March 16, 2023. The aim

of the seminar is to build the attention of society on the importance of water security and sustainable management of freshwater resources, and the effects of climate change on our livelihood. This year, the theme of the World Water Day is "Accelerating Change". The speaker Dr Amjad Masood, Senior Scientist, an expert in Hydrology and Climate Change at Basin Scale in Water Resources and Glaciology Section of Global Change Impact Studies Centre (GCISC), Islamabad, Pakistan. He highlighted the issues faced by Pakistan due to climate change. The Chief Guest of the seminar was the Vice Chancellor of the University of Wah, Prof. Dr. Jameel Un Nabi. In his remarks he appreciated the importance of water as a natural resource, and it uses in our daily lives. He encouraged the youth to take an initiative to save water and avoid its wastage in daily usage for the betterment of the community. The closing remarks presented by the UNESCO Chair on Knowledge Systems for IWRM/ Director Campus. He discussed the future need of wastewater recycling that freshwater makes up only 2% of the total water on Earth, which humans use every day.



### One Day Hands on Workshop on Introduction to R

This hands-on workshop held on November 23, 2023, designed to empower the participants with practical skills by creating their familiarity with the RStudio, operations, functions, and manipulation of plots data, combining verbs using pipes and data visualization. The resource person, member UNESCO Chair on Knowledge Systems for IWRM, Engr. Summera Fahmi Khan shared her knowledge and expertise with the participants. She deliberates by analysing and predicting weather patterns affecting climate change, unravelling intricate patterns and trends within complex environmental datasets considering Pakistan's environment.

### Waterwise Summit: Unveiling Solutions through Youth Voices

The UNESCO Chair on Knowledge Systems for Integrated Water Resources

Management (IWRM), CUI Wah Campus with the theme to —Respect Water - Respect Life , organized the —Waterwise Summit: Unveiling Solutions through Youth Voices, on November 29, 2023. The event addresses and spreads awareness on water is life, saving water, climate change, flooding and disaster causes affecting humanities. The students demonstrated through artwork (Posters and Documentaries) and engaged the community to express their vision in debates. The contestants' speeches are very fruitful and helpful in conveying their ideas in favor of saving water, avoiding wastage, disasters faced and its long-term impacts on human life. Waterwise Summit: Unveiling Solutions through Youth Voices Clean Water and Sanitation the Chief Guest of the event was Ms. Kiran Anwar, Senior Research Officer from Pakistan Council of Research in Water Resources (PCRWR). In her remarks she appreciated the efforts of the students for sharing their visions for a water secure future.



### Seminar on Impact of Climate Change on Glacier Melting & Glacial Lake Outburst Floods (GLOFs) – Implications for Mountain Agriculture and Water Security

The seminar was arranged on September 28, 2023 under the platform of UNESCO Water Chair on Knowledge Systems for Integrated Water Resources Management (IWRM) in collaboration with the Department of Civil Engineering. The speaker, Tenured Professor, Dr. Adnan Ahmad Tahir from the Department of Environmental Sciences, CUI, Abbottabad Campus, specialized in the hydrological and hydrodynamic modeling with a special focus on climate change,

land use land cover, snow and glacier dynamics, and hydrological regime using in-situ and remote sensing data. The speaker significantly delivered his research on the climate change impacts on glacier melting, discussing the outburst lakes pattern at Hunza and Karakorum, greenhouse gases causing rapid increase in Hispar, Shispar, and Siachen glacier melting and its implication on mountain agriculture. Rising temperatures disrupt snow melting patterns and the entire water flow cycle damages human lives and briefed measures taken for water security.

### Pakistan Water Week 2023 - themed “Transformative Pathways for Water and Food System in a Climate Resilient Pakistan”

Team members from UNESCO Chair on Knowledge Systems for IWRM and from the Department of Civil Engineering Engr. Sarmad Manzoor and Engr Waleed Tariq, nominated to attend the Pakistan Water Week 2023 jointly organized by the PCRWR and IWMI Pakistan, with a focused on two key events, a three-day International Conference from December 4- 6 2023.

Followed by a two-day National Workshop from December 7-8, 2023 based on the theme —Transformative Pathways for Water and Food System in a Climate Resilient Pakistan. Pakistan being highly vulnerable to climate change requires sustainable development, strategic decision making for best utilization of its natural resources. The conference fostered discussions on three thematic areas, including: a. Transformation for sustainable and climate resilient solutions b. Politics, policy, and institutions- good governance and strengthening capacities c. Technologies and innovations- responding to the climate change.



### National Exhibition December 7 - 8, 2023

The students of CUI under the platform of UNESCO Chair on Knowledge Systems for Integrated Water Resources Management (IWRM), CUI participated in

the National Workshop organized by the Pakistan Council of Research in Water Resources (PCRWR) in the activities during Pakistan Water Week - 2023 with the focus on the future of Transformative Approaches. A total of fifteen students participated in the Poster Competition and seven Short Documentaries were presented by CUI students. Pakistan Water Week 2023 - themed “Transformative Pathways for Water and Food System in a Climate Resilient Pakistan” Team members from UNESCO Chair on Knowledge Systems for IWRM and from the Department of Civil Engineering Engr. Sarmad Manzoor and Engr Waleed Tariq, nominated to attend the Pakistan Water Week 2023 jointly organized by the PCRWR and IWMI Pakistan, with a focused on two key events, a three-day International Conference from December 4- 6 2023 followed by a two-day National Workshop from December 7-8, 2023 based on the theme —Transformative Pathways for Water and Food System in a Climate Resilient Pakistan . Pakistan being highly vulnerable to climate change requires sustainable development, strategic decision making for best utilization of its natural resources. The conference fostered discussions on three thematic areas, including: a. Transformation for sustainable and climate resilient solutions b. Politics, policy, and institutions- good governance and strengthening capacities c. Technologies and innovations- responding to the climate change Ms. Nasira Zahid from Department of Computer Science, CUI Wah Campus got Second Position in the Poster Competition among the 50 posters made by other universities and college students. The students highlight the importance of water and related emerging issues in a graphical form to create awareness among the audience.



Energy Research Centre, COMSATS University Islamabad, situated at its beautiful Lahore campus, has taken the year 2022 as an opportunity to grow in terms of capacity building within and outside the Centre, enhance industrial and organizational networking and relations, provide consultancy and continue the tradition of research and

development in the form of funded projects, lab development and peer-reviewed impact factor journal publications. ERC continues to contribute in various sectors and intends to play its part in R&D as well as policy formulation in the context of energy and environment for Pakistan. The of Central Asia Regional Economic Cooperation (CAREC) region's energy demand is expected to grow to 30 % by 2030, including electricity as the major resources of consumption. At present Pakistan, which is a member country of CAREC, is faced with challenges of Climate Change and its impact, witnessed through devastating floods in 2022, and high-cost fuels for industrial, transport and residential applications. With the present critical economic situation of our country, the need for the inclusion of renewables was never as critical, as it is today, since these offer a clean, affordable and alternative solution to energy, especially electricity generation and efficient energy utilization in all sectors. Therefore, ERC continues to generate knowledge through R&D solutions for the research community, in the form of graduate research thesis, IF publications, and testing lab development. Moreover, ERC continues to provide consultative advice to the local industry and HEIs. ERC has contributed to develop national SDG 7 policy to translate the universal SDGs into national goals and targets for effective domestic implementation. ERC has developed a Comprehensive Campus Energy Plan to 100% clean and green energy, which focuses on renewable energy production, conservation measures, and cost savings, followed by promoting sustainability and climate change mitigation through projects that would reduce or curb greenhouse gas. On the same lines, as in previous years, in 2022, ERC signed MoU's with industries such as, EPTEck from Faisalabad, on the national scale, and on the international front, ERC played a pivotal role in an international CUI MoU with UFJF, Brazil, to collaborate with National Institute of Science and Technology in Electric Energy – INERGE. INERGE is a research institute formed by researchers from UFJF, UNIFEI, UFRJ, UFF, UFSJ and UFABC, in Brazil. The institute operates in the area of Electric Energy through the development of scientific and technological research with international quality standards. ERC strives to play its role in the enhancement of academic activities related to energy and has contributed in preparing feasibility reports, and proposals for various academic programs, including BS & MS Energy Systems Engineering,

Postgraduate Diplomas, workshops, short courses and trainings. With the global challenge of Climate Change, reducing Carbon footprint and pledge to limit global warming to 1.5° C by nations in COP27, the role of research Centres such ERC has become significant, and ERC aims to strive towards such goals in coming years through R&D

The centre will serve as a catalyst for innovation in integrated energy technologies through collaborative and interdisciplinary research. Its objective is to provide research oriented, efficient and eco-friendly solutions and professional services, related to energy issues, for socio-economic growth in the national as well as global perspective. ERC's mission is to enable capacity building of future scientific leaders, managers and engineers in the energy sector through continuing professional development activities.

CUI Lahore is making valuable contributions to the field of clean energy through education and training. By organizing technical courses, webinars, and seminars, they can help bridge the knowledge gap and foster a greater understanding of renewable energy technologies. This approach not only empowers current students but also engages working professionals, promoting a culture of continuous learning and innovation in the energy sector.

Such initiatives can significantly raise awareness about clean energy solutions, encourage sustainable practices, and potentially inspire new projects and collaborations in the community. ERC also conducted a short course. The detailed is given below: -

**Energy Research Centre (ERC)**  
**CUI Lahore Campus**

Offers online short course (0.5 CPD Points) on **SOLAR PV SYSTEM DESIGN, INTEGRATION AND BUSINESS**

**WHY TO ATTEND THIS COURSE**

Solar PV System is the fastest growing energy market in the world. This seminar will develop a deep understanding of PV system. It covers all theoretical and practical aspects of Solar PV system which are required by an engineer to install its hardware. Secondly this training will include the most used software for PV system design i.e. Helioscope. This software is developed by FOLSOM labs that includes all the features of PVsyst and adds the basic design functionality of AutoCad and SketchUp, allowing solar design engineers to do a complete design with one package.

**CONTENTS**

- Basics of solar PV
- Practical Implementation requirements.
- Types of inverters, panels and switch gears available in the market.
- PV system design requirements for stand alone, hybrid and grid-tie system.
- Creating Preliminary project in Helioscope.
- Designing with multiple field segment obstruction and shading analysis.

**WHO SHOULD ATTEND**

- Research Students
- Public and private sector solar power industry managers & officers.
- Design Engineers

**REGISTER NOW**  
<http://bit.ly/ercpcpd2>

**FEE SUBMISSION**

|                |   |
|----------------|---|
| Account Title  | HBL CIIT: CPD Fund                          |
| Account Number | 2305-70000826-03                            |
| Fee            | 500 PKR(UG Students)<br>1000 (Professional) |

**Venue**  
Online

**Date & Time**  
27th May  
2023  
10:00 am  
to  
02:00 pm

**Instructor**  
Dr. Yaqoob Javed

**Energy Research Centre (ERC), CUI Lahore**  
Offers short course(0.5 CPD Points) on

**Modern Power Systems and Role of Renewable Energy**

**Why to attend this course**

This Course introduces the Series of CPD Short Courses on Renewable Energy Technologies. The course will provide insight into new and revolutionized power systems with the integration of renewables and discuss the pros & cons of Renewable Energy integration within the grid. Performance of conventional and modernized power systems will be evaluated. Climate Change Impacts on Modern Power Systems will also be highlighted.

**Contents**

- Renewable power generation and clean energy technologies
- Distributed energy resources and storage
- Modern power system operation and planning
- Power system protection and automation in energy management systems
- Transmission technologies in modern power systems
- Modern power grid devices, sensors and wireless technologies
- Load management and customer participation

**Who should attend**

- Aspiring new entrants & professionals in the field of Renewable Energy Technologies
- Graduate Students interested in R&D work relevant to Modern Power Systems & Renewables
- Industry professionals interested in integrating renewables in their Industrial Power Systems.

**Register Now**  
<http://bit.ly/ercpcpd2>

**Fee Submission**

|                |   |
|----------------|---|
| Account Title  | HBL CIIT: CPD Fund                            |
| Account Number | 2305-70000826-03                              |
| Fee (PKR)      | 1000 (Professionals)<br>500 (CUI UG Students) |

**Venue**  
CUI Lahore Campus

**Date & Time**  
Wednesday  
17th May  
2023  
04:00 pm  
to  
08:00 pm

**Instructors**  
Dr. Sobia Baig  
Dr. Fawad Azeem

**For Info**  
Email at  
[info.erc@cui-lahore.edu.pk](mailto:info.erc@cui-lahore.edu.pk)

**Energy Research Centre (ERC)**  
**CUI Lahore Campus**

Offers short course (0.5 CPD Points) on **WIND ENERGY AND WIND TURBINES**

**WHY TO ATTEND THIS COURSE**

- To learn about a growing industry
- To explore career opportunities
- To understand the economic benefits of wind energy
- To contribute to a sustainable future
- Wind energy is a key component of the transition to a more sustainable energy future, and attending a short course on wind energy and wind turbines can help participants better understand how they can contribute to this important goal

**CONTENTS**

- Introduction to Wind Energy: Wind Energy Resource
- Wind Turbine Technology
- Wind Turbine Design
- Wind Turbine Materials
- Wind Turbine Installation and Operation
- Wind Energy Policies and Regulations
- Wind Energy and the Environment

**WHO SHOULD ATTEND**

- Aspiring new entrants & professionals in the field of Renewable Energy Technologies
- Graduate Students interested in R&D work relevant to Wind Power Systems & Renewables
- Industry professionals interested in updating their knowledge on wind turbines

**REGISTER NOW**  
<http://bit.ly/ercpcpd2>

**FEE SUBMISSION**

|                |   |
|----------------|---|
| Account Title  | HBL CIIT: CPD Fund                        |
| Account Number | 2305-70000826-03                          |
| Fee            | 500 PKR(Students)<br>1000 (Professionals) |

**Venue**  
CUI Lahore Campus

**Date & Time**  
Friday  
9 June  
2023  
04:00 pm  
to  
08:00 pm

**Instructor**  
Dr. Tareq Manzoor  
Associate Professor  
ERC

**For Info**  
Email at  
[info.erc@cui-lahore.edu.pk](mailto:info.erc@cui-lahore.edu.pk)

## Strategic Partnerships - Industry Academia Linkages

On February 16, 2023, a senior-level delegation meeting was held between COMSATS University Islamabad (CUI) and the National Aerospace Science and Technology Park (NASTP) in Rawalpindi, facilitated by the Career Development Cell (CDC) at CUI. The meeting aimed to explore opportunities for enhancing Industry-Academia linkage and to create a collaborative network of academicians to address industrial challenges and strengthen research activities.

During the discussions, various collaboration modes were considered, including CUI offering consultancy services to develop scientific procedures and processes aimed at increasing productivity. Additionally, it was proposed that an Industrial Chair for NASTP would be established at CUI, further solidifying the partnership and enhancing research

capabilities



### COMSATS Projects and Career Expo Fall 2023 - 21st December 2023 at EE Lawn COMSATS University Islamabad.

Under the auspices of the esteemed Rector, Dr. Sajid Qamar, today, on December 21, 2023, Dr. Sohail Asghar, the In charge of Islamabad Campus, accompanied by the Heads of Departments, toured each stall, fostering a positive exchange of energy.



### BIZ BUZZ" Business-Idea Competition

The Department of Management Sciences organized the event "BIZ BUZZ" Business-Idea Competition on November 30, 2023, aimed to provide a platform for business graduates to showcase their talent. The competition encouraged participants to present new, innovative, and challenging business ideas for societal improvement. This marked the 8 episodes of the competition, featuring 15 teams that passionately competed and presented their inventive concepts.



### A One - Day Career Counselling Workshop - The Launch Pad

To prepare and equip the final year students with essential skills to enter professional lives after graduation. Many students from Computer Science and Management Sciences attended the Workshop spanning a diverse set of sessions on writing CV/Cover Letter, Professional Dress, Office Manners, and Job-Hunting Tips. Team Building activities and Mock Interviews were the main feature of the workshop. It spanned various sessions and activities delivered by invited Alumni and Guests. The workshop was designed to prepare the students not only for a smooth transition from their student lives into their professional lives but also to stay afloat and successful in the workplace.



### Career Opportunities Open for All at CUI Wah 2023

COMSATS University Islamabad (CUI), Wah Campus organized an Open House and Job Fair on December 28, 2023 for the graduating students of Fall-2023 from the Department of Management

Sciences (MS) and Computer Science (CS). Graduating students showcased their final year projects (FYPs). The participating 60 plus industries keenly observed the talent of students exhibited in 115 projects (108 from CS and 7 from MS departments). The companies conducted detailed interviews of all graduating students and 74 (59 from CS and 15 from MS) students were offered jobs and remaining were offered internship positions.

The event was inaugurated by Mr Ammar Jaffri former Additional Director General, Federal Investigation Agency (FIA) and CEO of Digital Pakistan. The Chief Guest highlighted the importance of updating the curriculum in accordance with the industry needs. The Campus Director, Prof. Dr. Muhammad Abid, T.,I. welcomed the participating industry at CUI Wah Campus. He emphasized the collaborative synergy between industry and academia, highlighting the mutual benefits that accrue to students through real-world experience and practical training.

Mr. Muhammad Kamal Yamin, alumni from the Management Sciences Department and Mr. Muhammad Saeed Butt, Senior Manager BMW Germany, Alumni from the Computer Science Department shared their success stories, experience, and the role of CUI Wah Campus in their success. In the closing session, Mr. Asim Hamza Gillani, Director Projects, Pakistan Software Export Board (PSEB) was the Chief Guest. He highlighted the need for an Industry-Academia partnership which is a dire need of the era. The Chief Guest also shared details of internship opportunities provided by PSEB The Chief Guest of the closing ceremony and Director Campus congratulated the winners and runner-up teams of the FYPs and distributed prize money and certificates to the winners and runners-up of final-year projects.



### Seminar On Importance of Engineering Dynamics in Industries

The Department of Mechanical Engineering arranged a Seminar on "Importance of Engineering Dynamics



and its application in practical life and in industries” on January 5, 2023, under the category of department specific skills. Engr. Touqeer Iqbal from the Pakistan Ordnance Factories was the resource person of the seminar.



The seminar provided comprehensive knowledge regarding engineering dynamics and its application in industries. The resource person elaborated the targets of industries in contemporary epoch and the need for fresh engineers to develop skills to succeed in the industry.

This seminar was arranged for the students for BS (ME) third semester. DME faculty and students thanked Engr. Touqeer Iqbal for such an interactive session. Dr. Atta Ur Rehman Chairperson/Head, Department of Mechanical Engineering presented a souvenir to the resource person. The resource person also exchanged POFs Souvenir to the Head of department on behalf of Pakistan Ordnance Factories (POF).

## Industrial Exposure

During the semester students from different departments visited different industrial places to integrate theoretical knowledge into practical. The practical knowledge teaches students to put theory into practice to get their selves familiar with industry.



Industrial Visit to Gadoon Textile Mill KPK

Industrial Visit – Silver Lake Foods LIMITED



Industrial Visit at National Institute of Electronics

Industrial Visit ECE Students to High Voltage and Short Circuit Lab



A Field Trip to Sangani Water Treatment Plant

Study Trip to Pakistan Railways

## Infrastructure Development

A delegation from COMSATS University Islamabad (CUI) visited FAST National University of Computer and Emerging Sciences, Islamabad Campus The delegation comprising on Incharge Campus, Prof. Dr. Samina Nawab, HoD Mechanical Engineering, Dr. Atta ur Rehman, Tenured Prof. Dr. Muhammad Iqbal, Additional Registrar, Dr. Jawwad Ahmad and Network Administrator, Mr. Bilal Masood visited FAST Islamabad and have meeting with the Dr. Waseem Shahzad, Director of NUCES-FAST Islamabad Campus on December 05, 2023. The delegation had a campus tour and appreciated the infrastructure, facilities and services provided.



## Inauguration of New Academic Block –1

The Honourable Rector, COMSATS University Islamabad (CUI), Prof. Dr. Sajid Qamar, inaugurated the new Academic Block of the Electrical and Computer Engineering Department on November 17, 2023. The Dean, Faculty of Engineering, Dean, Faculty of Business Administration, Director, CUI Attock Campus, Principal Officers, Head of Departments and Section, Senior faculty members, and Contractors were also present on the occasion. The worthy Rector along with Principal Officers inspected the newly renovated building designed with state-of-the-art infrastructure and the latest facilities for the Department of Electrical & Computer Engineering and Mathematics. The Director Campus, Prof. Dr. Muhammad Abid, (T.I) thanked the Rector CUI and other guests for their participation in this event.



COMSATS University Islamabad upholds a uniform and non-discriminatory admission policy as outlined in its Act of 2018. Clause 5 emphasizes that the university is open to all individuals, regardless of gender, religion, race, creed, class, colour, or domicile. This ensures that no one is denied access to the university's privileges based on these criteria.

To support this commitment, COMSATS utilizes various systems to track applications from under-represented groups. Platforms like the CU online system and the international admissions portal facilitate effective management and tracking of admissions, ensuring that these groups are given due consideration in the application process.

The university also adheres to a merit-based recruitment policy for students, staff, and faculty, reinforcing its dedication to inclusivity and fairness in its admissions practices.

## WMS-CUI Joint Seminar on "Threat of Cybercrimes: Growing Vulnerabilities of Societies"

In a dazzling symphony of intellect and insight, the symposium on the "Threat of Cybercrimes: Growing Vulnerabilities of Societies" took centre stage at the vibrant COMSATS University Islamabad. This tech spectacle, orchestrated by the FDA in collaboration with the Federal Ombudsman, was more than an event – it was a voyage into the labyrinth of technology-induced challenges and opportunities. The event was held on November 30, 2023, at EE Auditorium Hall, COMSATS University Islamabad.

Discussion Highlights: The discussion unfolded like a thrilling plot: Madam Fauzia, the protagonist, championed children's rights, calling for media seminars as beacons of awareness. Dr. Qasim, the vigilant guardian, warned of the app permissions abyss, advocating for education on safe mobile usage. Ms. Asma, the cyber sleuth, cautioned against the alluring unknown, urging resistance to the siren call of shady links. Dr. Shabana, the wise sage, declared education as the ultimate weapon against cybercrime, with academia as its wielder. Mr. Amar Jaffri, the visionary, extolled the importance of AI and language mastery, a potent arsenal against the digital unknown. Mr. Farooq, the gatekeeper, revealed PTA's shield against unethical URLs, as he sounded the alarm on rising child abuse trends. Conclusion: In the final crescendo, the symposium concluded with a collective

vow to combat cyber threats. The insights gained were not mere notes; they were the anthem of a resilient Pakistan navigating the digital storm. The event proved that in the face of evolving challenges, collaboration and awareness will be the guiding stars in our digital constellation. The symposium wasn't just an event; it was an ode to empowerment in the digital age



### Basic Social Media Tools/Beyond the #Hashtag June 8, 2023

Faculty Development Academy in collaboration with Registrar office organized a 1 – day training on 'Basic Social Media Tools/Beyond the #Hashtag' on June 8, 2023. The workshop was arranged in SSBC and there were 31 participants from different departments of CUI Islamabad. This workshop was designed to cover page management and content management of Facebook and Instagram. Dr. Omer and Ms. Hania from Management Sciences department were the resource persons for this training. The program started at 1100 AM and lasted for 02 hours. This workshop was the first of its kind which was arranged to bring all the members on one platform so that the image of CUI should be reflected in a concordant and unanimous way. Dr. Omer started the workshop by briefly introducing himself and his co-trainer, Ms. Hania. Firstly, they both clarified the idea of having this topic for training. The basic purpose of this workshop was to bring harmony in the marketing pages and campaigns of all departments so that they augment each other via web pages of Islamabad campus and boost the viewership. Ms Hania elaborated about the communication loopholes which are lying in each of our departments.



The basic idea is that if the communication with our clients is weak, it will cause adverse affects on our admissions and thus leading to a drastic decline in enrolments.

The trainer then highlighted the significance of 'strategy' for basic social media tools. Currently most of the departments are running their own marketing pages, but there is no uniformity or consistency. Moreover, there are many pages designed with the same names e.g. CUI and the searcher are not sure about the authenticity of the pages. This problem must be sorted out in order to enhance the profile and efficiency of CUI campuses. Another issue which we are facing is that the departments have made their official pages with personal accounts. Once a member leaves the organization, that page also stops working.

### Sports And Wellness Facilities

Sports are the vital part of any educational process. The campus has Cricket, Football, badminton, and basketball grounds for both male and female students. Also, the gym and indoor game centres are open to students for wellness, recreational and sports activities. The indoor gym is equipped with state-of-the-art exercise machines and highly professional instructors, facilitating all who come seeking physical and mental fitness. Among all the CUI campuses only Islamabad campus has the cricket ground of international standard and Islamabad campus has the Honor to organize 1st Inter campuses T-20 Cricket tournament in March 2012. In 2013 Islamabad campus extended its outdoor sports facilities by establishing Football ground, multipurpose court for Volleyball and Tennis.



COMSATS University Islamabad has a Counselling & Wellness Centre (CWC) that offers consultative services for psychological and emotional issues faced by students and staff. The CWC provides essential support and guidance to help individuals address their mental health concerns.

In addition, the university has a Career

Development Centre (CDC) that provides impartial and confidential advice to all visitors, including those with disabilities. The CDC aims to assist students and alumni in making informed career decisions by offering a range of resources and services to support their career development.

These initiatives reflect the university's commitment to the well-being and professional growth of its community member.

Quality teaching methodologies are becoming increasingly vital in higher education, particularly in Pakistan, where the effectiveness of teaching directly impacts students' ability to apply their knowledge to real-world challenges. Passionate teachers who engage in continuous learning contribute significantly to this process.

Recognizing the importance of high-quality education, COMSATS University Islamabad established the Faculty Development Program (FDP) in 2004, which evolved into the Faculty Development Academy (FDA) in 2011. The FDA aims to promote quality teaching methodologies and empower educators to become catalysts for societal change.

The Academy provides both pre-service and in-service training for faculty and their support staff. It organizes training sessions, workshops, and seminars led by experts tailored to the specific needs of participants. These initiatives create an engaging learning environment that enhances morale and fosters a desire for ongoing education.

The FDA has received positive feedback regarding the quality of its training, course content, and logistics, leading to requests for repeated sessions. Operating under the motto "Enabling Decisions for Tomorrow," the FDA continues to play a crucial role in enhancing the skills and knowledge of educational professionals at COMSATS and beyond.



The seminar titled "Climate-Induced Drought Patterns in Pakistan: Variability, Trends, and Global Teleconnections" was presented by Dr. Muhammad Latif,

Assistant Professor, Department of Meteorology, CUI, Islamabad, on October 25, 2023. The event was jointly organized by Quaid-i-Azam University (QAU), the Chinese Academy of Sciences (CAS), the Higher Education Commission of Pakistan (HEC), the China-Pakistan Joint Research Center on Earth Sciences (CPJRC), and the Pakistan Academy of Sciences at QAU.

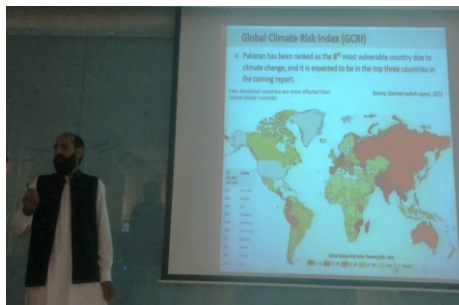
It provided participants with valuable insights into the complex dynamics of droughts and an understanding of how climate change drives drought variability in Pakistan, focusing on the influence of global climate patterns such as El Niño and La Niña. By examining long-term trends and large-scale atmospheric teleconnection patterns, the seminar highlighted the importance of monitoring and predicting drought conditions to enhance climate resilience. This aligns with SDG 13: Climate Action, as it equips participants with the knowledge and tools to assess climate risks, mitigate drought impacts, and support disaster risk reduction efforts. It also emphasized collaborative planning and informed decision-making to strengthen adaptation strategies for climate-induced challenges.



The seminar titled “South Asian Summer Monsoon and Climate Change Impacts in Pakistan: Insights from 2022” was presented by Dr. Muhammad Latif, Assistant Professor, Department of Meteorology, CUI, Islamabad, on June 9, 2023. The seminar was organized by the Department of Meteorology, CUI, Islamabad Campus.

It significantly contributes to this goal through its emphasis on environmental education. By raising awareness of the South Asian summer monsoon's behaviour and its changing patterns due to climate change, the seminar serves as an important educational effort. It informs local communities and policymakers about the associated risks and impacts, thereby facilitating the development of effective adaptation strategies. Furthermore, if the university collaborates with NGOs and local government agencies (e.g., PMD) focused on climate adaptation and disaster management, the seminar can act as a

platform for sharing valuable findings. This integration of scientific insights into community-level climate action programs enhances collaborative efforts, ultimately promoting resilience and sustainability in the face of climate challenges in Pakistan. While the seminar does not directly link to SDG 13.2.1: Low-carbon energy tracking, it emphasizes the need for climate-resilient energy systems in Pakistan.



A workshop on Emerging Trends & Technologies: Carbon Capture and Storage, Climate Change and Net Zero was jointly organized by COMSATS University Islamabad (CUI)- Pakistan, on August 21, 2023, at CUI. Cranfield University, UK, and several institutions from Pakistan including NUST, GIKI, NEO, University of Karachi, and Okara University have joined hands as partner institutions with the CUI- Wah Campus for this event. The Workshop was funded by the British Council, Islamabad under Pak-UK Education Gateway Mobility Partnership for Faculty. Dr Adnan Syed, Lecturer, Surface Engineering Precision Centre Cranfield University, UK presented the opening remarks. Mr. Mubbashir Sheikh Higher Education Programme Manager, British Council Pakistan presented the mobility program objectives and aims of establishing higher education linkages between Pakistan and UK to explore cutting-edge research and contributing towards the attainment of the Sustainable Development Goals 13 and 14. Dr. Nasir Ahmad team lead from NUST, Pakistan also highlighted the importance of this mobility grant. The Executive Director, COMSATS, and Ambassador, Dr. Mohammad Nafees Zakaria was the chief guest at the inaugural session of the workshop. He expressed that carbon emission is becoming more dangerous for Pakistan as this is a powerful source of climate change and disasters in the region. In his remarks, the Rector CUI, Prof. Dr. Sajid Qamar, extended his gratitude for organizing this workshop at CUI and organizing it successfully to strengthen the scientific collaboration between the British Council, Higher Education Institutions of Pakistan and UK.



### Seminar on Green Composite Materials: A Sustainable Alternative to Plastic for a Greener Future

The Department of Mechanical Engineering (DME) and the student chapter of the American Society of Mechanical Engineers (ASME) on December 14, 2023, jointly organized a seminar on "Green Composite Materials: A Sustainable Alternative to Plastic for a Greener Future" The event was a part of CPD licensed under the Pakistan Engineering Council. The resource persons were Dr. Atta ur Rehman Shah, Associate Professor/ HoD DME at CUI Wah Campus and Prof. Dr. Abdul Shakoor from the University of Engineering and Technology Peshawar.

Dr. Atta ur Rehman provided a comprehensive insight on green composite materials as environment friendly alternatives to synthetic plastics. He discussed the significance of their applications and the growing demand, highlighting the sustainable role of biodegradable substances in industrial production.

Prof. Dr. Abdul Shakoor shared his innovative research on the development of biopolymer composites for structural applications, presenting experimental findings on the thermal, mechanical, and viscoelastic analyses of PLA-wood and PLA-talc composites.



The Tree Plantation Drive 2023 was inaugurated at COMSATS University Islamabad (CUI), by the Director Campus, Prof. Dr. Muhammad Abid, T.I., on June 27, 2023. The Director Campus, Head of Departments/Sections, Faculty members, Officers, and Staff members participated and planted Silver Oaks trees beside the Football Ground walls.

The aim of the plantation drive was to keep the Campus Green & Clean, reduce air pollution, mitigate climate change, and fight against global warming.



The seminar titled “Research and Career Opportunities in Meteorology and Climate Science in Pakistan” was presented by Dr. Muhammad Latif, Assistant Professor, Department of Meteorology, CUI, Islamabad, on January 6, 2023. The seminar was organized by the Department of Meteorology, CUI, Islamabad Campus.

It provides learners with essential insights into meteorology and climate science in Pakistan. By focusing on research and career opportunities, the seminar directly supports promoting higher education in climate-related disciplines and enhancing student's skills in this critical area. Furthermore, it contributes to SDG 13 by promoting an understanding of climate change impacts and adaptation strategies among participants. The seminar also encourages collaboration between educational institutions and local NGOs, facilitating the integration of scientific knowledge into community-level initiatives. Overall, this event serves as a vital platform for empowering future professionals to tackle climate challenges and pursue sustainable solutions in Pakistan.



A training workshop titled “Geospatial Techniques to Understand the Urban Architecture and Planning” was

conducted by Dr. Muhammad Rizwan Mughal, Assistant Professor, Department of Meteorology, CUI, Islamabad, on December 27, 2023. The workshop was organized by the Department of Meteorology, CUI, Islamabad Campus. It encompassed both theoretical instruction and hands-on training exercises, focusing on building capacity to foster understanding of the latest tools and methods for analyzing and visualizing urban data using geospatial technologies. Moreover, the workshop highlighted how geospatial technology can support sustainable and resilient urban development by addressing complex challenges such as land use, transportation, and land control.



The International Water Management Institute (IWMI) established a “Water, Environment & Agriculture Societies’ Consortium” and held its second meeting on March 14, 2023. The meeting brought together 21 representatives from 11 universities across Punjab province and the federal capital. Dr. Umair Bin Nisar, Assistant Professor in the Department of Meteorology at COMSATS University Islamabad, represented CUI, starting the session with a brief introduction to the university. He delivered a presentation outlining ongoing initiatives and provided a comprehensive overview of key focus areas.

Rel This meeting addresses SDG 13: Climate Action .The projects discussed at

the IWMI meeting illustrate the critical role universities can play in advancing multiple SDGs. The biogas project aligns with SDG 13 (Climate Action) by reducing greenhouse gas emissions and promoting renewable energy. Additionally, the groundwater exploration projects in the twin cities and mountainous regions contribute to SDG 6 (Clean Water and Sanitation) by ensuring sustainable water management and protecting freshwater resources. These initiatives also support SDG 15 (Life on Land) by addressing land degradation and desertification, which are closely linked to water scarcity. Through collaboration and knowledge sharing, universities can significantly impact the achievement of these interconnected SDGs and promote sustainable development efforts.



Dr. Muhammad Imran Shahzad, Head/Chairman of the Department of Meteorology, CUI, presented his research on coastal remote sensing at the “2023 International Conference on Climate Change and Disaster Risk” held in Islamabad from October 25-27, 2023. The conference aimed to explore the impact of climate change on natural disasters, reduce disaster risk, and raise public awareness about disaster prevention and mitigation. It was organized by the China-Pakistan Joint Research Center on Earth Sciences (CPJRC) in collaboration with the International Association for Hydro-Environment Engineering and Research (IAHR), the Pakistan Academy of Sciences (PAS), and Quaid-i-Azam University (QAU).

This conference addresses SDG 13: Climate Action .The discussions on climate change and its impact on natural disasters directly support efforts to inform and collaborate with local governments for disaster risk reduction and climate adaptation strategies. By raising public awareness, the conference encourages community engagement in sustainable practices that enhance urban resilience, thereby contributing to SDG 13. Moreover, the emphasis on coastal remote sensing promotes the sustainable management of marine ecosystems and raises awareness about

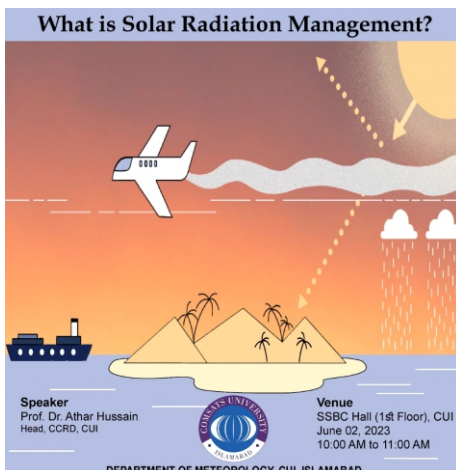
preserving aquatic resources, aligning with SDG 13's goal of maintaining healthy oceans and marine environments. Ultimately, by sharing research findings and strategies, the conference contributes to global efforts to combat climate change and its associated impacts, which is central to achieving SDG 13. This collective engagement is essential for developing effective policies to mitigate the adverse effects of climate change, thereby contributing to the achievement of these SDGs.



Prof. Dr. Athar Hussain, Principal Investigator of the project titled “Impact of Solar Radiation Management and Climate Change on Malaria Dynamics in South Asia”, funded by the UK-based The DEGREES Initiative, aims to better understand how Solar Radiation Management (SRM) could affect the redistribution of malaria in South Asia, including Iran, Afghanistan, India, Nepal, Bangladesh, and Bhutan, from February 2023 to February 2024. This study marks the first attempt to assess the impacts of SRM on a vector-borne disease in the region. By extending Prof. Athar's research group's efforts, the project seeks to establish a network of professionally trained local experts in the field of regional climate change and health in Pakistan. The results will be disseminated at the district level—the fundamental administrative tier for the healthcare system in Pakistan. The project aims to promote engagement with a diverse set of national stakeholders, ensuring that relevant climate-health nexus information is made available to policymakers, thereby helping to bridge the communications gap regarding SRM.

The seminar directly addresses SDG 13 by exploring innovative strategies for mitigating climate change impacts. By discussing SRM techniques, Prof. Dr. Athar Hussain provided participants with insights into potential climate intervention methods that could help manage global warming. The seminar emphasized the importance of understanding the risks and benefits associated with SRM, promoting informed discussions on climate adaptation strategies. This aligns with

global efforts to enhance resilience against climate change and improve public understanding of climate-related issues, thereby contributing to sustainable climate action.



The Geospatial Science Society, Department of Meteorology has conducted a Climate Change Awareness Walk, on 20th May 2023 under Green Youth Movement (GYM) club for Climate Change awareness. The aim of the event was to draw awareness to the adverse impact of climate change to Pakistan. Many students and Faculty & staff of COMSATS participate in this event.

**Relevance to SDG: This seminar addresses SDG 13:** Climate Action (Indicators 13.3.1). This event emphasizes the urgent need to combat climate change and its impacts. By organizing a Climate Change Awareness Walk, the society aimed to educate participants about the adverse effects of climate change on Pakistan, particularly in a region vulnerable to climatic shifts. Engaging students, faculty, and staff cultivates a sense of community responsibility and empowers individuals to act. Raising awareness is a crucial step in mobilizing collective efforts to address climate change, encouraging sustainable practices, and contributing to national and global initiatives aimed at achieving climate resilience.

### Fifth China Pakistan Marine Information Workshop (CPMI 2023) at Sanya, China

The Director Campus Prof. Dr. Muhammad Abid, T.I., along with Assistant Professor, Dr. Barkat Ullah on the invitation of Harbin Engineering University (HEU) China attended the 5th China - Pakistan Marine Information Workshop (CPMI 2023) at Sanya, China, held from December 8 – 11, 2023. Prof. Dr. Muhammad Abid delivered keynote on —A Framework Approach to Strengthen Higher Education in the Field of Marine Information and Engineering

and Dr. Barkatullah delivered his talk on —Dynamic Modelling and Analysis of Steady State Spiraling Motion Control of an Underwater Glider. A detailed presentation regarding CUI and its way forward for continued joint research related to Marine Engineering and Sciences was given by Prof. M. Abid in the Round Table Discussion.



During CPMI, several MoUs were also signed by HEU with NUCES, University of Karachi, NIMA. The workshop was very fruitful in exploring and strengthening the collaboration between HEU and Pakistani institutions, researchers in the field of Marine Information and Technology.

In recognition to his outstanding contribution for signing MoU with HEU, as a founding member of CPMI and organizing first four consecutive CPMI jointly with HEU, hosting HEU students under students exchange program at CUI Wah Campus for two semesters, development of MS curriculum on Underwater Acoustic Communication, Prof. M. Abid was also awarded —Special Contribution Award by HEU.



### Water Informatics and Communication Technical Session offered in 20th International Conference on Frontiers of Information Technology (December 11– 12, 2023) at Islamabad, Pakistan

Water Informatics and Communication Technical Session was held on December 11, 2023 during 20th International Conference on Frontiers of Information Technology at COMSTech Secretariat, Islamabad, Pakistan. This session was chaired by Assistant Professor, Dr. Shahzad Saleem from FAST, Islamabad.

Three invited talks were presented 1. Key Technologies and Applications of Underwater Acoustic Communication and Networks delivered online by Liu Songzuo, College of Underwater Acoustic Engineering, HEU, China. 2. A Fully Connected Neural Network Driven UWA Channel Estimation for Reliable Communication by Muhammad Adil, Liu Songzuo, Suleman Mazhar, Mansoor Jan, Asfand Yar Khan and Muhammad Bilal. 3. Machine Learning – based Multi-Path Reliable and Energy -efficient Routine Protocol for Underwater Wireless Sensor Networks by Zahid Ullah Khan, Muhammad Aman, Wazir ur Rehman, Faran Khan, Tooba Jamil and Rahat Hashim.



## Ocean Connects the World

To promote the exploration and protection of the ocean and boost the development of marine engineering, jointly organized by Mechanical and Vehicle Engineering Division of Chinese Academy of Engineering, Science and Technology Committee of China State Shipbuilding Corporation Limited, and jointly organized by Systems Engineering Institute of China State Shipbuilding Corporation Limited, China Ship Research and Development Academy, Pilot National Laboratory for Marine Science and Technology (Qingdao), and Harbin Engineering University, the International Conference on Marine Equipment & Technology and Sustainable Development (ICMETSD), was organized in Beijing, China on March 31 and April 1, 2023. During the conference, the Presidents' Forum was organized to discuss and exchange views on the cultivation of marine talents and the future development of ocean, innovation and international cooperation on ocean science and technology, and the development trend of cutting-edge marine science and technology, in order to strengthen exchange and cooperation among China and foreign universities in the field of shipbuilding and ocean, comprehensively improve the competency and level of universities in serving the global ocean governance, and provide intellectual and technological support for global ocean governance. During his talk he mentioned that

Pakistan is located along the Arabian Sea and offers great potential for marine-based activities in Education and Technology for shipping, fisheries, aquaculture & tourism. Hence development of sustainable marine equipment and technology can play a significant role in unlocking the potential of Pakistan's marine sector while ensuring its long-term viability. Above mentioned developments can not be ensured to be sustainable without Capacity building in Marine Engineering and Sciences degrees at BS, MS and PhD levels and through Specialized Courses.



## Keynote address on “Need of Computer Aided Engineering for Real World Engineering Problems” with focus on the integrated water and sediment flow simulations

The keynote on “Need of Computer Aided Engineering for Real World Engineering Problems” with focus on the integrated water and sediment flow simulations was delivered by the Director Campus/ UNESCO Chair on Knowledge Systems for Integrated Water Resources Management in 1st International Multidisciplinary Conference on Emerging Trends in Engineering Technology 2023 held from May 9 – 11, 2023. In his address he emphasized on energy efficient building designs to target the SDG 11 —Sustainable Cities and Communities for safe human settlements.



He focused on the integrated water and sediment flow simulations through tunnels and reservoirs for life predictions, optimum renewable energy systems, industrial trusses and lightweight hybrid structure, flood and drought modeling

using RS and GIS tools and others with respect to Big Data, AI and Machine Learning and others to enable the role of water management resources in interlinked SDG 6 and 13 for Clean Water and Sanitation and Climate Action

## Workshop on Cyber-Harassment: "Prevention and Laws" Event Report

Harassment, held on 21st July 2023. The workshop, organized by Dr. Muneeba Shakil (Assistant Professor, Clinical Psychologist, MS Clinical Psychology Program Coordinator) at Department of Humanities, COMSATS University Islamabad, Lahore Campus, took place from 11:00 am to 1:00 pm, with an esteemed guest speaker, Ms. Rukhsana Tauheed, Assistant Director of the FIA Cybercrime Circle in Lahore.

### Event Highlights

The workshop addressed the pressing issue of cyber-harassment and the significance of preventive measures and legal frameworks to combat this growing concern in today's digital world. Ms. Rukhsana Tauheed's extensive experience and expertise in investigating cybercrime cases, particularly cyber-harassment, provided valuable insights to all attendees.

The workshop covered a range of crucial topics, including:

**Understanding Cyber-Harassment:** Attendees gained insights into the various forms and manifestations of cyber-harassment, such as cyberbullying and online stalking.

**Impact and Consequences:** The workshop delved into the psychological and emotional impact of cyber-harassment on victims and the broader society.

**Prevention Strategies:** Participants learned about practical steps that individuals and organizations can take to safeguard against cyber-harassment incidents.

**Legal Aspects:** The legal framework surrounding cyber-harassment, including relevant cybercrime laws and their application to different scenarios, was discussed in detail.

**Reporting and Seeking Help:** The workshop educated attendees about the appropriate channels for reporting cyber-harassment incidents and seeking assistance from law enforcement agencies.

## Audience Profile

The workshop welcomed a diverse group of participants, including students, educators, parents, and candidates interested in admission in COMSATS. Their active engagement and enthusiasm contributed to the success of the event.



## ICPB 2023

We are pleased to invite you to a multidisciplinary “International Conference on Peace Building: Policies, Research, and Strategies” on March 15-16, 2023. The conference is primarily being organized to invite international and national 'experts, social scientists, researchers, and policy makers at the platform of COMSATS University Islamabad, Lahore campus to share their views and research, to plan strategies and policies for promotion of peace. This conference is designed to promote peace building by encouraging multi-disciplinary research, education and training from social sciences disciplines including psychology, sociology, political science, international relations, history, religious studies, language, literature, applied linguistics, law, media and communication etc. This would address issues on peace and tolerance and violent and non-violent conflicts resolution; and the experts will brainstorm ideas about how to promote peace in society and prevent violence and destructive conflicts.



## Faculty Development Academy is organising a Seminar on “Threats of Cybercrime: Growing Vulnerabilities of Societies” on Thursday, 30 November 2023.

FDA conducted a 3-day workshop for the

Staff College Quetta on 'Development of MCQs Based System'. The participants were illuminated with knowledge and were showed the CUI Islamabad campus. They also had the privilege to visit the Nano-labs of CUI

FDA COMSATS is organizing a seminar on "Innovation & Entrepreneurship for Startups". It is specifically arranged for the faculty and students of CUI Islamabad Campus. Be a part of it and benefit yourself.

### Seminar on Innovation & Entrepreneurship for Startups May 12, 2023 (10:00 am to 12:00 noon)

#### MEET OUR TRAINER

Dr. Mario B. Curatolo is an accomplished management training consultant with an overall international experience of 25 years in Europe, South East Asia and the Middle East where he consolidated a track record in the development and implementation of organizational change programmes. He has an all-round British education with a joint Honours BA in Economics and Sociology (Keele University), an MA in European Economic Studies (Exeter University) and a PhD in Economics (University of Wales-Aberystwyth). He is the founder and CEO of his own firm M&C Management Business Consultants, S&C LLC in a niche-based training consultancy focused on improving company executives' performance through training actions in the areas of Leadership Development, Coaching, Organizational Instructional Strategic Planning and Change and Project Management. Mario is a multi-cultural (he has lived and worked in Spain, the UK, Italy, Switzerland, Thailand, China, Pakistan, India the US and Venezuela) and a multi-lingual (he speaks Italian, Spanish and English) training consultant committed to help CEOs, Executives, start-up managers and Businesspeople understand how to work effectively in a global cultural business context.

**Dr. Mario B. Curatolo**  
C.E.O of Management Business Consultants (MBC)  
Switzerland



FDA CUI

## One Day Symposium on Emerging Trends in Language Research: Interdisciplinary Approaches to Theoretical and Applied Linguistics

Department of Humanities at COMSATS University Islamabad, Lahore Campus organized a One Day Symposium on Emerging Trends in Language Research: Interdisciplinary Approaches to Theoretical and Applied Linguistics. Dr. Sara Khan (Lecturer) convened and materialized the concept of the event and Dr. Saima Chatta, Mr. Muhammad Asif Ikram, Ms. Maryam Jehangir, and Ms. Huma Ejaz provided support in media coverage, refreshments, moderating of panel sessions and opening and closing of the event. The event was attended by the students of BS and MS English Language and Literature. Ms. Shazia Aziz (Assistant Professor), Mr. Samar Kamal Fazli (Assistant Professor), and Dr. Aasia Nusrat (Associate Professor) also graced the event with their worthy participation. The opening and closing of the symposium were graced with motivating and worthy remarks by Dr. Musferah Mehfooz, Head of the Department and Dr. Shameem Fatima, Chairperson, Department of Humanities, respectively. This symposium turned out to be a cohesive collection for linguistic research that falls outside the traditional bounds of sociolinguistics and applied linguistics. With the understanding that theoretical stances and ideas about human behavior can and do cross over disciplinary boundaries, the panel sessions in the symposium will concentrate on the fact that linguistics and language research sit at the

intersection of humanities and the social sciences. Each of the panel session aims to present new connections and fresh viewpoints to contribute to the interdisciplinary inquiry into the nature of human language. The panel speakers and session chairs that presented their views on the theme of the event were as follows:

1. Iram Amjad (Assistant Professor, English at Higher Education Department, Lahore)
2. Tabassum Saba (Assistant Professor, Department of English Language and Literature, University of Lahore)
3. Khalid Ahmed (Associate Professor, Department of English, University of Central Punjab)
4. Muhammad Islam (Assistant Professor, Department of English Language Teaching & Linguistics, University of Punjab)
5. Muhammad Umer Azim (Assistant Professor, English at Higher Education Department, Lahore)
6. Zafar Iqbal Bhatti (Associate Professor, Department of English, Minhaj University, Lahore Campus)

The Symposium contributed to the better understanding of languages (individually), of language (as a collective human ability), and of their speakers and helped to better understand how society functions and how to improve it, and this is the domain of study of linguistics. The event highlighted that the foundations of linguistics begin with descriptions of the sounds and structures of many languages, from languages of global exchange spoken by millions to local dialects spoken in remote corners of the world. Finally, the symposium helped the students of BS and MS English Language and Literature connect different academic disciplines to the study of language and to the everyday use of the English language.



## E-commerce Workshop Conducted By COMSATS IT Center

COMSATS IT Centre organized a 3-4 hours Workshop on Ecommerce on Thursday, January 5, 2023. A total of 38-42 participants registered for this workshop. Dr. Maroof Shah (Director COMSATS Abbottabad) distributed certificates among all participants.

### Workshop Contents

What is Ecommerce?

Types of Ecommerce

Popular Ecommerce Websites

What is Drop shipping & Print on Demand

Print on Demand websites & examples

Overview of Daraz.pk, Shopify, WordPress-WooCommerce

Designing Product Images using Canva

Setup Ecommerce Website using Shopify



## Creative Seminar on the Evolution and Scope of Animation

A seminar on Creative Seminar on the Evolution and Scope of Animation was organized by Abbott Wolf Studios in collaboration with the Coordination Office and the Computer Science Department CUI, Abbottabad Campus was held on 10th June 2023. The event aimed to provide valuable insights into the world of animation and its significance in various industries.

The seminar commenced promptly at 11:30 a.m. with an introduction by the event coordinator, highlighting the purpose and objectives of the seminar. The New Auditorium, with its spacious seating capacity, was an ideal venue for hosting such an event. The arrangement of seating, stage, and audio-visual equipment ensured a conducive environment for both the speakers and the audience. The lineup of topics and speakers for the seminar was carefully curated to cover different aspects of animation and showcase the expertise of

renowned professionals in the field. The seminar topics and speakers were as follows:

**Starting Speaker:** "Scope of Animation in Freelancing" by Aitzaz Khan, Influencer, CEO at TechKor: Aitzaz Khan, a respected influencer and CEO at TechKor, initiated the seminar by discussing the vast opportunities available in animation freelancing. He shared his experiences and provided valuable insights on how participants could leverage their skills to establish a successful career path in freelancing.

**Second Speaker:** "Overseas Career Opportunities in Animation" by Wajahat Awan, Founder at DeAxprou: Wajahat Awan, the visionary founder of DeAxprou, took the stage next to inspire the attendees with invaluable insights into global career prospects in animation. He highlighted the potential for international opportunities and shared success stories to motivate participants to explore new avenues for professional growth.

**Third Speaker:** "Animation in the Media & Entertainment Industry" by Dr. Raja Kashif Janjua, Media Consultant, Anchor, and Analyst: Dr. Raja Kashif Janjua, a renowned media consultant, anchor, and analyst, captivated the audience with his in-depth knowledge of animation in the media and entertainment industry. He shed light on the role of animation in shaping the media landscape, emphasizing its relevance in captivating audiences and enhancing storytelling.

**Fourth Speaker:** "The Evolution of Animation" by Prof. Zafar Iqbal, Professor, and HoD at Pak-Austria Fachhochschule: Prof. Zafar Iqbal, a distinguished professor and Head of the Department at Pak-Austria Fachhochschule, took the participants on an intriguing journey through the remarkable evolution of animation. He showcased how animation has transformed over the years and its impact on various industries, ranging from film and television to advertising and education.

**Fifth Speaker:** "Animation Process & Q&A for Upcoming Course" by Umar Jalal, Animator, Founder at Abbottwolf Studios: Umar Jalal, an accomplished animator and the founder of Abbott wolf Studios, concluded the seminar by guiding participants through the animation process. He shared his expertise, provided practical insights, and addressed the audience's queries regarding an upcoming course, ensuring a comprehensive understanding of the animation field.

The seminar concluded with an engaging ending ceremony, during which the speakers were honoured for their valuable contributions. Shields were

presented to each speaker by COMSATS University Islamabad Abbottabad Campus as a token of appreciation, recognizing their expertise and dedication to the field of animation. Furthermore, a representative from Abbott Wolf Studios expressed gratitude and presented souvenirs to Dr. Mazhar Ali, Head of the Computer Science Department, and Mr. Ibrahim Ahmad, Head of the Coordination Office. This gesture acknowledged their pivotal role in supporting the event and ensuring its successful organization. The Creative Seminar on the Evolution and Scope of Animation was a resounding success, providing students and participants with a comprehensive understanding of animation and its impact on various industries. The lineup of speakers, carefully chosen topics, and the collaboration between Abbott Wolf Studios, the Coordination Office, and the Computer Science Department played vital roles in the success of the event.

The seminar not only enriched participants' knowledge but also created an environment for networking and fostering connections between industry professionals and aspiring animators. Attendees expressed their appreciation for the opportunity to learn from experts in the field and left the seminar inspired and motivated to pursue their passions in animation. We extend our heartfelt gratitude to all the speakers for their valuable insights, the participants for their active engagement, and the organizers for their meticulous planning and seamless execution of the seminar. The success of this event set a precedent for future endeavours in the field of animation at COMSATS University Islamabad Abbottabad Campus.





# PUBLICATIONS

| Publications Title  | First Author   | Publisher                      | Impact Factor | Weblink   |
|---|--|--------------------------------|---------------|---|
| Artificial Intelligence and Stochastic Optimization Algorithms for the Chaotic datasets | F. Wang, A. Sohail, W. K. Wong, Q. U. Azim, S. Farwa, M. Sajad | World Scientific               | 3.665         | <a href="https://doi.org/10.1142/S0218348X22401752">https://doi.org/10.1142/S0218348X22401752</a> |
| Trade potential of Pakistan with the South Asian Countries: A gravity model approach.   | Shah Masood Kakar, Nabila Khurshid, Maqsood Haider             | National Cheng Kung University | 4             | NULL  |

Total Publications :02

Overall **3412 research publications** were published by COMSATS faculty in all seventeen SDGs most of them are published in High Impact Factor Journals COMSATS faculty always strive for excellence and quality work and is leaving a positive impact on the society in general and to globe at large , the summary of the research publication is mentioned below:

## Summary of Publications relevant to Sustainable Development Goals

| SDG Name  | Total Publications |
|---|--------------------|
| No Poverty (SDG 1)                              | 12                 |
| Zero Hunger (SDG 2)                             | 107                |
| Good Health and Wellbeing (SDG 3)               | 1025               |
| Quality Education (SDG 4)                       | 341                |
| Gender Equality (SDG 5)                         | 15                 |
| Clean Water and Sanitation (SDG 6)              | 169                |
| Affordable and Clean Energy (SDG 7)             | 341                |
| Decent Work and Economic Growth (SDG 8)         | 95                 |
| Industry, Innovation and Infrastructure (SDG 9) | 915                |
| Reduced Inequalities (SDG 10)                   | 11                 |
| Sustainable Cities and Communities (SDG 11)     | 72                 |
| Responsible Consumption and production (SDG 12) | 116                |
| Climate Action (SDG 13)                         | 114                |
| Life Below Water (SDG 14)                       | 1                  |
| Life on Land (SDG 15)                           | 53                 |
| Peace, Justice and Strong Institutions (SDG 16) | 14                 |
| Partnership for the Goals (SDG 17)              | 11                 |
| <b>Total</b>                                    | <b>3412</b>        |

## Summary of Research Project in Different SDGs

| Relevant SDGs                                   | Cost of Projects in Millions |
|---|------------------------------|
| SDG 1: No Poverty                               | 8.3                          |
| SDG 3: Good Health and Well-being.              | 10.13                        |
| SDG 9: Industry, Innovation, and Infrastructure | 8.11                         |
| SDG 2: Zero Hunger                              | 8.7                          |
| SDG 12: Responsible Consumption and Production  | 10.73                        |
| SDG 15: Life on Land                            | 40.17                        |
| SDG 13: Climate Action                          | 22.77                        |
| SDG 4: Quality Education                        | 1.98                         |
| SDG 11: Sustainable Cities and Communities      | 1                            |
| SDG 7: Affordable and Clean Energy              | 4.58                         |
| SDG 5: Gender Equality                          | 9.7                          |
| SDG 8: Decent Work and Economic Growth          | 0.15                         |
| SDG 14: Life Below Water                        | 0.6                          |
| <b>Total</b>                                    | <b>126.92</b>                |

