



SDGs @ CUI Wah Campus

Volume 2 January — June 2023

Newsletter



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The COMSATS University Islamabad (CUI), Wah Campus was established in 2001 since then engaged in performing leading role in providing higher education in the areas of Management Sciences, Computer Science, Electrical and Computer Engineering, Civil Engineering, Mechanical Engineering and Mathematics. It has modern infrastructure, highly qualified faculty members, state of the art labs. CUI Wah is fully equipped to handle the dynamics of the fast-paced IT and Engineering industry.



CUI Wah Campus has become one of the major leading higher education institution in the reign of Wah Cantt. Pakistan. CUI Wah Campus understands the importance of skilled and highly qualified faculty in getting academic excellence. CUI Wah Campus has more than 86 PhD Faculty, including 12 Professors and 27 Associate Professors. In the last three months faculty has contributed 44 research publications.

CUI Wah Campus is continuously improving and its faculty dedicated in imparting quality education. The student enrollment as of June 2023 is 3144 and more than 10,000 students have been passed out.

This year the ground breaking ceremony for the construction of Academic Block-I (125000 sqft covered area) was an important milestone for the Campus's growth. It was a momentous occasion that symbolized the University's dedication to academic excellence and a commitment to the betterment of society through quality education and hands on trainings.



1

No Poverty*End Poverty in all its forms everywhere***Sustainable Gains in Poverty Reduction through Educational Incentives**

CUI Wah Campus, Students Financial Aid Office (SOFA) is actively engaged in providing assistance to the children belonging to low income families and want sustainability in education to stand up on their own feet. The department provides guidance to deserving students in applying and winning different need-based scholarships, merit-based fellowships, educational loans and teaching assistantships to fight against poverty.

CUI Wah Campus believes in, knowledge-sharing through quality education and engages the community to provide a platform for skills development by arranging hands on trainings, workshops and seminars for them.



Internships were provided to diploma holders and vocational trainers to enhance their professional skills to help them to become successful. Focuses on poverty reduction and improving life standards with the aiming to strengthen the economic conditions and empower the women by giving equal opportunities to excel.

Skills are the Key from Education to Reduce 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,

Students see themselves as Agent of Change

Equipping students with knowledge and skills gives them greater access to opportunity and help them in reducing poverty.

The Academic Excellence Certificates Award Ceremony was held on March 30, 2023, to acknowledge and honor the position holder students of Fall-2022 from the Department of Mechanical Engineering, Civil Engineering, Computer Science, Management Sciences, and Electrical and Computer Engineering. The Director Campus Prof. Dr. Muhammad Abid, T.I., as a Chief Guest and Heads of Department distributed acknowledgement and merit certificates among 121 position holders who secured the first three positions having a minimum 3.50 SGPA.



3 Good Health and Well-Being



Ensures Healthy Lives and Promote Well-Being for all at all Ages

Personal Development through Vocational Trainings

The Director Campus on March 30, 2023 distributed the acknowledgment certificates among 15 internees of Vocational Training Institute (VTI) Taxila in recognition of successfully completion of two month on job training at CUI Wah Campus. Internship opportunity is provided with the aim to enhance the technical skills of trainees for their personality and capacity building to help them in getting job.



Helping others brings Good Vibes



The Pakistan Red Crescent Society (PARC) organized a Blood Donation Camp at CUI, Wah Campus 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 is to serving the humanity and to save many precious lives.

Character Building @ CUI Wah

To spread the knowledge on the practical implementations and well-being of the principles needed to be followed in our daily lives in light of 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 in light of Qur'an affecting today's society with the special emphasis on character building.



4

Quality Education



Ensure inclusive and equitable quality



Global Recognition based on the UN SDG's



Welcome to New Intake -Spring 2023



The Orientation Ceremony for new intake of Spring - 2023 semester was arranged at CUI, Wah Campus by the Student Affairs Office. The HoDs and concerned departments of Computer Science and Management Sciences congratulated and welcomed the fresh intake, who were selected after fulfilling the admissions criteria. They briefed them on the semester system, academic policies and campus regulations to facilitate them to get them familiar with the Campus academics and administrative operations.

The concerned DCO's briefed the newcomers on the department and relevant semester plan. The help desk was established for the hostel and transport services. The students accompanied with parents have given a tour of the campus facilities.

Quality Assessment

The team of National Computing Education Accreditation Council (NCEAC) visited CUI Wah 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 Director Campus gave a presentation regarding CUI and CUI Wah Campus facilities and infrastructure for imparting quality education to students and highlighted research and future development plans.



Workshop to Write an Academic Report using Overleaf

Dr. Khalid Ibrahim arranged a Workshop for Final Year Project (FYP) students on May 30th 2023 to explain managing and writing activities of FYP with collaborative online platform Overleaf.

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.

Dr. Ayyaz Qadeer conducted an interactive session. At the end Dr. Atta ur Rehman Chairman/Head of Department of Mechanical Engineering presented a souvenir to the resource person.



Competitions Contribute in Quality Education

Visio Spark - 2023

This year 19th episode of the mega national level IT event was arranged , More than 900 students from 35 renowned universities/institutes across Pakistan participated in fifteen different IT and Electrical Engineering related Competitions organized by the Department of Computer Science and Department of Electrical and Computer Engineering, CUI, Wah Campus on March 18, 2023.

Prof. Dr. Akram Shaikh, Director General, Pakistan Scientific and Technological Information Center (PASTIC) as a Chief Guest of the opening ceremony introduced the role of PASTIC and highlighted IT and IET is the leading sector where freelancers and entrepreneurs by using reverse engineering can manufacture competitive products with latest technological resources and can play pivotal role for the socio economic growth of Pakistan.



The Chief Guest at the Closing Ceremony Mr. Raza Ahmed Sukhera, Director Skills and Capacity Development from Pakistan Software Export Board (PSEB) appreciated students for exhibiting their strong skills of IT and participation and encouraged them to learn more to excel in digital economy with IT and IT enabled services and develop indigenous solutions to benefit the Software Industry.



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.



Mr. Junaid Alam, CEO of VOLT Pro Engineering and an alumni of the Electrical & Computer Engineering Department of CUI Wah shared his experience of becoming a successful entrepreneur. In the closing ceremony, Dr. Majid Babar Bhatti, Executive Director of the National Information Technology Board (NITB), a seasoned ICT strategist, and expert in Cyber Security Risk Management, Digital Transformation, and Service Delivery was the Chief Guest. He highlighted the need for Industry-Academia partnerships. He was impressed by the quality of all exhibited projects. The Director Campus, Prof. Dr. Muhammad Abid, T.I., thanked PASTIC, PSEB and NITB for taking interest in students' project and encouraging them with their ministries support.

ExclTe Cup 2023



A group of 23 students from the Department of Computer Science participated in ExclTe Cup 2023 organized by Capital University of Science and Technology (CUST), Islamabad on May 27, 2023. The students got runner-up positions in quiz competitions and 1st & 3rd in table tennis. The team consisting of Mr. Osman Javed, Mr. Muhammad Ammad Ismail, and Mr. Taha Asghar participated in a quiz competition and secured runner-up prizes. Mr. Muhammad Ali Nawaz Malik secured the top position and Mr. Umair Ahmed 3rd position in the table tennis competition.

COMSATS Mathematical Olympiad (CMO)

The COMSATS Mathematical Olympiad (CMO) was organized annually by the Department of Mathematics, COMSATS University Islamabad, Wah Campus under the flagship of UNESCO Chair on Knowledge Systems for Integrated Water Resources Management (IWRM). This event was conducted from February 06 – March 14, 2023 with the purpose to foster an interest of Mathematics in high level students to improve their problems solving skills through giving them a platform to participate and compete in this national level competition.

This year over 900 high level students from 28 colleges of Punjab and KP Provinces attended the preparatory/ training and career counseling sessions. In next step 890 participants appeared in the written test and the top five participants were selected for the final quiz.



In the opening session the event report was presented by the Head of the Department of Mathematics, Dr. Shabieh Farwa. The Chairman Pakistan Science Foundation (PSF), Prof. Dr. Shahid Mahmood Baig, S.I., as **Chief Guest** has graced the occasion.

The Chairman, Department of Mathematics, Prof. Dr. Sarfraz Ahmad, Deputy General Manager, Mr. Qamar Nisar and Head of HR and Administration Mr. Fayyaz Hussain Hashmi from Cherat Packaging, Ghulam Faruque Group of Companies and respected College Principals, Mathematics Teachers and FSc. students from different colleges attended the closing ceremony.



The Director Campus/ UNESCO Chair on Knowledge Systems for IWRM Prof. Dr. Muhammad Abid, T.I., in his closing remarks shared his deepest appreciation on the efforts of all participants for competing and toppers for gaining winning experience. He thanked the Chief Guest, Guests, respective college principals for their presence. He acknowledged the efforts of organizers and faculty members of the Department of Mathematics for arraigning and conducted the event in befitting manner.



Defense of PhD Students from the Department of Management Sciences

Three PhD students successfully passed their PhD defense with details as follows:

1. **Mr. Abbas Khan** successfully defended his PhD Thesis titled **"The Nexus of Crude Oil, Natural Gas, Electricity Prices with the Equity Market and Industrial Production: Evidence from US and Pakistan"**, supervised by Assistant Professor, Dr. Muhammad Yar Khan and Co-supervised by Associate Professor, Dr. Abdul Qayyum Khan.
2. **Mr. Shoaib Shafique** successfully defended his PhD Thesis titled **"Sales performance of politically skilled salesperson through internal and external relational ties"** supervised by Associate Professor, Dr. Amer Rajput.
3. **Ms. Zartashia Hameed** successfully defended her PhD Thesis titled **"Time Varying Long Range Dependence in Crypto Currency Market"**, on May 22, 2023 under the supervision of Associate Professor, Dr. Khurram Shafi.



Certificates of Appreciation



To motivate and appreciate the efforts of students the certificate distribution ceremony was held on March 30, 2023. Mr. Usama Javed and Muhammad Usama Akram were awarded with the certificates in recognition of winning the 1st position at national level in **"Head Start Robotics Competition"**, organized by the University of Central Punjab, TAAKRA Competition and Mr. Danish Shahid, was awarded in recognition of winning the 2nd Position, in ASME efx "Elevator Pitch Competition", from the Department of Mechanical Engineering.

Ms. Reemal Imtiaz was awarded with the certificate of appreciation in winning the 3rd position in the category English Debate Competition from the Department of Computer Science in the first round of the "Inter-university Bilingual Declamation Competition" arranged by the Higher Education Commission of Pakistan on March 22, 2023.



5

Gender Equality



Achieve gender equality and empower all women and girls

Winning the Project Funding under US Incubation Program

To Empower Pakistani Women Entrepreneurs, BIC-CUI in collaboration with US Regional Accelerator & Innovation Network (RAIN) Catalyst, OREGON, executed a fully funded project competition in January 2023. Ms. Kiran Rashid from the Department of Mechanical Engineering participated and won the competition for her project titled **"Design & Fabrication of High Energy Ball Mill for the Synthesis of Nanoparticles"**. The main idea of her project is to make nanoparticles for additive manufacturing such as SLMS 3D Printers which Pakistan is importing for its industries and labs.



Enthusiasm in Learning

Assistant Professor, Dr. Ambreen Shahnaz from the Department of Management Sciences successfully attended the TESOL International Conference held at Portland, Oregon, USA from March 21-24, 2023 on English Language Teaching (ELT).

She actively participated in the various sessions and presented and demonstrated her enthusiasm in learning and contributing in the field of ELT. She established a network and built valuable connections with a team of fellow professionals to establish and learn from their experiences.



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 - 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 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.



UNESCO Chair on Knowledge Systems
for Integrated Water Resources Management
COMSATS University Islamabad (CUI),
Wah Cantt, Pakistan



The establishment of UNESCO Chair on Knowledge Systems for Integrated Water Resources Management (IWRM) at COMSATS University Islamabad, Wah Campus is an honor. Since its inception in 2014, renewed in 2018 and now renewed in 2023 for another four years.

UNESCO Chair on Knowledge Systems for IWRM, emphasize contributing in improving the community livelihoods and well-being by playing its role in 6 Sustainable Development Goals (SDGs) i.e. 4,5,6,7,13 and 14 out of 17 interlinked global call of action to alleviate poverty, improving the lives through providing quality education, promoting gender equality, spreading awareness on the sustainable management of water resources and access to safe water and sanitation for all.

The UNESCO Chair on IWRM is involved participating in UNESCO programs to strengthen the south-south and south-north cooperation, promoting an integrated system of research, conducting hands-on workshops, conferences on water resources management, facilitating high-level international collaboration for researchers and teaching students and staff of the university and other institutions in Pakistan with those in other parts of the world. The Chair mandate is to attain the following SDGs

- ☐ **SDG 5 Promote Gender Equality and Empower Women**
- ☐ **SDG 6 Clean Water and Sanitation**



6 Clean Water and Sanitation



Ensure Availability and Sustainable Management of Water and Sanitation for

Workshop on Hydrological Modelling Application of SWAT

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. Sumera 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



graduate/ undergraduate students from CU Wah Campus 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.

8

Decent Work and Economic Growth

Promote Sustained, Inclusive and Sustainable Economic Growth, Full and Productive

Strategic Partnerships - Industry Academia Linkages

A senior-level delegation meeting was held between COMSATS University Islamabad, Wah Campus and National Aerospace Science and Technology Park (NASTP), Rawalpindi on February 16, 2023 in the coordination of the Career Development Cell (CDC), CUI Wah Campus to explore the possibilities of promoting the Industry-Academia linkage to establish a cluster of academicians to provide solution of industrial problems and to strengthening research activities. Various modes of collaboration were explored. It was discussed that CUI Wah Campus would provide Consultancy Services to develop procedures, processes, and implementation to ensure increased productivity on a scientific basis and an Industrial Chair of NASTP will be established at CUI Wah Campus.



In-continuation the Software Development House (SDH), National Aerospace Science and Technology Park (NASTP) visited CUI Wah Campus on March 10th, 2023 to further strengthen the industry academia linkages.

The Director Campus, Prof. Dr. Muhammad Abid, T.I., along with In-charge Career Development Cell, Dr. Mushtaq Ahmad Bhatti welcomed the team of NASTP comprising the Chief Director Software Development House (SDH)/ Air Cmdr Amir Azim, Wing Cmdr, Amir Raza and Wing Cmdr, Mehmood Ahmad. The team had a meeting with the HoD Computer Science, Dr. Sheraz Anjum, HoD E&CE, Dr. Muhammad Naeem and HoD Mechanical Engineering, Dr. Attah ur Rehman and with a group of active researchers from the department of Computer Science, Electrical and Computer Engineering, Civil Engineering and Mechanical Engineering to discuss the ecosystem of essential elements required to nurture design, research, development and innovation in the field of web securities,



computer vision and intelligence, digital designing, networking and cyber securities. The vision and research productivity of different ongoing research projects were presented by the respective principal investigators.



9

Industry , Innovation and Infrastructure



Build Resilient Infrastructure, Promote inclusive and sustainable Industrialization and Foster

Ground Breaking Ceremony of New Academic Block –1

The ground breaking ceremony for the construction of New Academic Block-1 (125,000 sqft) was held on April 12, 2023 at CUI Wah Campus. The Honorable Rector CUI, Prof. Dr. T. Afzal inaugurated the construction works by lifting the curtain from the plaque. On the occasion Director Campus, Prof. Dr. Muhammad Abid, T.I., members CUI Syndicate, Department / Section Heads, Faculty Members, representatives from the NESPAK and the construction company were present.

The ground breaking ceremony for the construction of Academic Block-I was an important milestone for the Campus's growth. It was a momentous occasion that symbolized the University's dedication to academic excellence and a commitment to the betterment of society.



Industrial Venture

A team from Air Weapons Complex (AWC), Director, Dr. Asim Nisar, General Manager, Nabeel Mukhtar, and Assistant Manager, Ms. Shaista Ejaz visited CUI Wah Campus on February 14, 2023. The Director Campus, Prof. Dr. Muhammad Abid, T.I., and In charge ORIC, Professor Dr. Nadia Nawaz welcomed the guests. A detailed discussion was made on the modalities to work jointly on different activities of research and development. In the end, the team visited the state-of-the-art laboratories of the Department of Mechanical Engineering which they appreciated and showed keen interest in establishing future research collaboration with CUI Wah Campus.



International Collaborations for Sustainability

The Director Interdisciplinary Research Center, CUI Wah Campus, Prof. Dr. Muhammad Abid, T.I., had meeting with Dr Li Ziwei, Vice Dean (Deputy Director) of the Office of International College Office of Global Engagement, Northwestern Polytechnical University, China on April 9, 2023.

Both parties discussed the future framework of renewal of Memorandum of Understanding established between Northwestern Polytechnical University (NPU), China and COMSATS Institute of Information Technology, Islamabad.

It was established that COMSATS University Islamabad (CUI) will conduct capacity building in research, faculty and student exchange, admissions and scholarships for CUI Students for the higher studies at NPU. Dr. Li appreciated the role of COMSATS in promoting research and innovation culture.



Patent



Congratulations to Dr. Khalil Afzal : International Patent (Korean) entitled "Clustered Stationary Vehicles-based Vehicular Networking and Computing System " Patent Number: 10-2509279 Registration Date 08-03-2023 is granted to Dr. Muhammad Khalil Afzal, Associate Professor from the Department of Computer Science. Many Congratulations to Dr. Khalil Afzal on his success from all the Family of CUI, Wah Campus.

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 (POF), Wah Cantt 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 particular skills to succeed in the industry.



Engineering CAPSTONE

CUI, Wah Campus participated in "The Pakistan Engineering Council held the 3rd Engineering Capstone Expo-2023" held on January 12, 2023, at Pak-China Friendship Center, Islamabad. Three teams from the Department of Mechanical Engineering and two from the Department of Civil Engineering exhibited their FYPs. Dr. Ayaz Ahmad, ECE Department as the focal person of the event, and FYP coordinators and supervisors: Dr. Hammad Salah Uddin, Dr. Adnan Nawaz, Dr. Rana Faisal Tufail, and Dr. Fazal Um Minallah was attended the event. The projects of CUI Wah students were appreciated by the Jury members and the visitors.



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 Sangjani Water Treatment Plant



Study Trip to Pakistan Railways



13 Climate Action



Take urgent action to combat climate change and its impacts

1st International Conference about COP27 Climate Change & Food Security

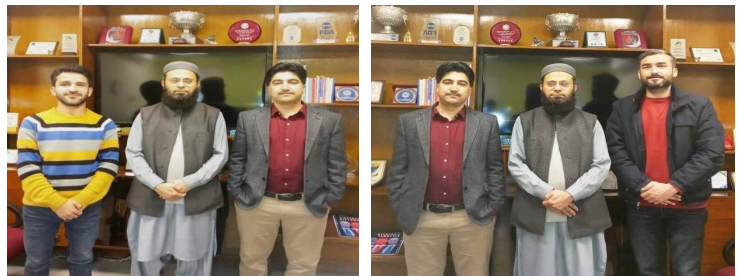


The Director Campus/UNESCO Water Chair on Knowledge Systems for Integrated Water Resources Management (IWRM), Prof Dr. Muhammad Abid, T.I., delivered the keynote address titled **“Sedimentation –Threat to Dams and Food Security”** in the 1st International Conference about COP27 Climate Change & Food Security on February 15, 2023 organized by the Arid Agriculture University Rawalpindi, Department of Agronomy, Rawalpindi.

He highlighted that dam sedimentation becoming a serious threat for the sustainability of irrigation and addressed the problems framed in water management, flood control, and production of energy. He emphasized in Investigating the methods of removing sedimentation and the need to mapped storage fed irrigation for the well-being.

Satpara Lake Sedimentation and Climate Modeling Project

The Director Campus/ UNESCO Water Chair on Knowledge Systems for integrated Water Resources Management (IWRM), CUI Wah Campus, chaired the meeting of the project team led by Assistant Professor, Dr. Munawar Ali Abbass from the Department of Mathematics, University of Baltistan (UoB), Sakardu on February 17, 2023. In continuation, the progress, good ideas, suggestions and future plan of activities of Satpara Lake Sedimentation and Climate Modeling project was discussed. Dr. Munawar briefed that two research papers were submitted.



The Chair has shown his satisfaction on the progress of the project and appreciated the work done by all team members.

Tree Plantation Drive - 2023



The Tree Plantation Drive 2023 was inaugurated at COMSATS University Islamabad (CUI), Wah Campus 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.



14

Life below Water



Conserve and Sustainably use the Ocean, Seas and Marine Resources for Sustainable Development

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.

Prof. Dr. Muhammad Abid, T.I., Director CUI Wah Campus delivered his Keynote on "Marine Education and Technology for Sustainable Development in Pakistan". 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.



17 Partnerships for the Goals



Strengthen the Means of Implementation and Revitalize the Global Partnership for Sustainable Development

Research Grants

The CUI Wah Campus has won two **Research Grants** under the project titled “**PAK-UK Education Gateway Mobility Partnership Grant for Faculty**”, for advancing the international partnerships with world renowned universities of UK for the year 2023-24.



Prof. Dr. Muhammad Abid, T.I., as an expert from the Department of Mechanical Engineering along with co - partner Assistant Professor , Dr. Muhammad Shoaib Naseem won, in collaboration with Cranfield University , UK , funded by British Council.



Dr. Muhammad Khalil Afzal, Associate Professor from the Department of Computer Science, won in collaboration of Edge Hill University, UK, funded by British Council.

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 there 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 Director Campus, Prof. Dr. Muhammad Abid ,T.I., 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.

Lecturer, Arif Hussian from Benazir Bhutto Shaheed University of Technology and Skill Development, (BBSUTSD), Khairpur Mirs, Sindh, visited COMSATS University Islamabad, Wah Campus on June 21, 2023. The purpose of the visit was to explore avenues of mutual collaboration between the two institutions under the signed MoU.

The visiting faculty had meetings with the research teams of the Electrical & Computer Engineering and Mechanical Engineering Departments and discussed various collaborations to strengthen Labs and Joint Research.

Academic Collaboration





COMSATS University Islamabad
Wah Campus

FALL
2023
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Bachelor Of Science

- Computer Science
- Software Engineering (Non-Eng)
- Business Administration
- Accounting & Finance
- Civil Engineering
- Mechanical Engineering
- Electrical Engineering
- Computer Engineering

Master Of Science

- Mechanical Engineering
- Electrical Engineering
- Civil Engineering
- Computer Science
- Management Sciences
- Banking and Finance
- Business Administration
- Project Management
- Mathematics

BS | MS | PhD

ADMISSION SCHEDULE

Application submission deadline	August 10, 2023
NTS Test Dates	August 04, 2023 August 20, 2023
Merit List Display	August 25, 2023

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