



17 PARTNERSHIPS
FOR THE GOALS



SDG-17 PARTNERSHIP FOR THE GOALS

Sustainable Development Goal 17 (SDG 17) is the final goal among the 17 Sustainable Development Goals established by the United Nations as part of the 2030 Agenda for Sustainable Development. SDG 17 is titled "Partnership for the Goals," and it emphasizes the importance of collaboration and cooperation among governments, the private sector, and civil society to achieve the other 16 goals. This goal recognizes that addressing complex global challenges requires collective action and the involvement of various stakeholders.

Key elements and targets of SDG 17 include:

Strengthening Global Partnerships:

Strengthen domestic resource mobilization, including through international support to developing countries, to improve domestic capacity for tax and other revenue collection.

Implementing Official Development Assistance (ODA):

Developed countries to implement fully their official development assistance commitments, including the commitment by many developed countries to achieve the target of 0.7 percent of gross national income (GNI) for official development assistance to developing countries, and 0.15 to 0.20 percent of GNI to least developed countries.

Private Sector Engagement:

Mobilize additional financial resources for developing countries from multiple sources, including the private sector.

Promoting Technology Transfer:

Assist developing countries in attaining long-term debt sustainability through coordinated policies aimed at fostering debt financing, debt relief, and debt restructuring, as appropriate, and address the external debt of highly indebted

poor countries.

Capacity Building:

Adopt and implement investment promotion regimes for least developed countries.

Data, Monitoring, and Accountability:

Enhance North-South, South-South, and triangular regional and international cooperation on and access to science, technology, and innovation, and enhance knowledge-sharing on mutually agreed terms, including through improved coordination among existing mechanisms, in particular, at the United Nations level, and through a global technology facilitation mechanism.

Capacity Building Support to Developing Countries:

Promote the development, transfer, dissemination, and diffusion of environmentally sound technologies to developing countries on favorable terms, including on concessional and preferential terms, as mutually agreed.

Trade Facilitation:

Fully operationalize the technology bank and science, technology, and innovation capacity-building mechanism for least developed countries and enhance the use of enabling technology, in particular information and communications technology.

Policy Coherence:

Enhance international support for implementing effective and targeted capacity-building in developing countries to support national plans to implement all the Sustainable Development Goals, including through North-South, South-South, and triangular cooperation.



Data Availability:

Enhance capacity-building support to developing countries, including for least developed countries and Small Island developing States, to increase significantly the availability of high-quality, timely, and reliable data disaggregated by income, gender, age, race, ethnicity, migratory status, disability, geographic location, and other characteristics relevant in national contexts.

SDG 17 recognizes that achieving sustainable development requires a global partnership characterized by cooperation, collaboration, and a shared commitment to addressing common challenges. It emphasizes the need for enhanced financial and technical support to developing countries, as well as the importance of leveraging resources from multiple sectors and stakeholders. The goal also highlights the significance of data, technology transfer, and capacity building in fostering sustainable development worldwide.

The Sustainable Development Goals (SDGs) or Global Goals are a collection of 17 interlinked global goals designed to be a "blueprint to achieve a better and more sustainable future for all". The SDGs were set up in 2015 by the United Nations General Assembly (UN-GA) and are intended to be achieved by the year 2030. They are included in a UN-GA Resolution called the 2030 Agenda or what is colloquially known as Agenda 2030.

The 17 SDGs are: (1) No Poverty, (2) Zero Hunger, (3) Good Health and Well-being, (4) Quality Education, (5) Gender Equality, (6) Clean Water and Sanitation, (7) Affordable and Clean Energy, (8) Decent Work and Economic Growth, (9) Industry, Innovation and Infrastructure, (10) Reduced Inequality, (11) Sustainable Cities and Communities, (12) Responsible Consumption and Production, (13) Climate Action, (14) Life Below Water, (15) Life On Land, (16) Peace, Justice, and Strong Institutions, (17) Partnerships for the Goals.

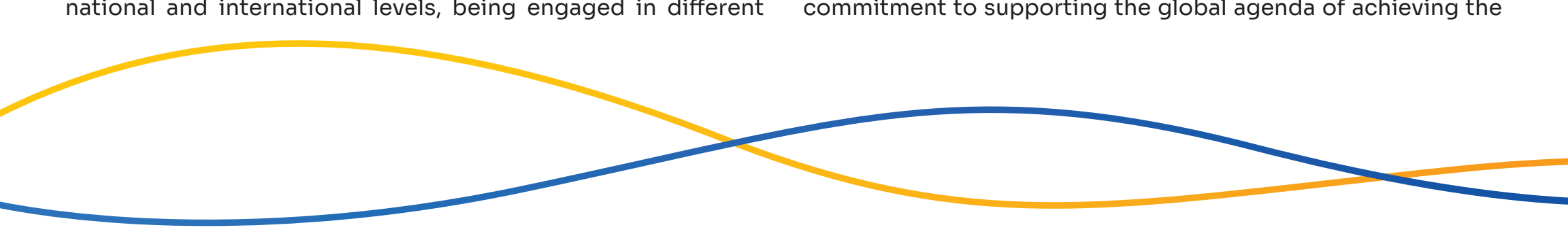
COMSATS University is actively contributing its role to achieve a better and more sustainable future for community at local, national and international levels, being engaged in different

SDGs.

COMSATS University Islamabad is directly involved in, or input into, national government or regional nongovernment organizations SDG policy development - including identifying problems and challenges, developing policies and strategies, modelling likely futures with and without interventions, monitoring and reporting on interventions, and enabling adaptive management.

The specific activities and initiatives related to Sustainable Development Goals (SDGs) conducted by COMSATS and reported in the SDG Report 2022 and Annual Report 2021-2022 include the establishment of the Centre for Climate and Sustainability: This center is dedicated to addressing the challenges of climate change and promoting sustainable development. It serves as a platform for research, policy development, and capacity building in these areas. Engagement with national government and non-government organizations: COMSATS actively participates in policy development related to SDGs at the national and regional levels. This involvement ensures that SDG targets and indicators are integrated into national development plans and strategies. These activities and efforts by COMSATS are reported in the SDG Report 2022 and the Annual Report 2021-2022, showcasing the organization's commitment to sustainable development and its contribution towards the achievement of the SDGs.

CUI actively participated in these cross-sectoral dialogues by attending various conferences that involved government representatives and non-governmental organizations (NGOs). During these dialogues, CUI engaged in discussions about the SDGs, sharing knowledge, experiences, and perspectives on how to effectively implement and monitor progress towards the goals. By participating in these dialogues, CUI contributed to the development of strategies and action plans that promote sustainable development and address key challenges related to poverty eradication, education, health, gender equality, climate change, and environmental sustainability, among others. CUI's involvement in these cross-sectoral dialogues demonstrates its commitment to supporting the global agenda of achieving the



SDGs by 2030.

The activities of the COMSATS Secretariat are coordinated through various mechanisms, such as regional meetings, working groups, and joint projects. These mechanisms facilitate collaboration, knowledge sharing, and joint action on issues related to sustainable development, including climate change, renewable energy, water and sanitation, food security, and health. One of the key functions of the COMSATS Secretariat is to promote South-South and North-South cooperation in science and technology. It facilitates exchange programs, scholarships, and research grants to promote collaboration among scientists, researchers, and institutions from different countries. This collaboration helps in leveraging resources, expertise, and knowledge for addressing the challenges and goals of sustainable development.

COMSATS has recognized the growing importance of Sustainable Development Goals (SDGs) and has integrated them into its activities, programs, and collaborations. The organization has organized several capacity-building activities to address the emerging trends in science and technology (S&T) and meet the needs of scientific communities in developing regions. Additionally, COMSATS has arranged events to raise awareness about SDGs, facilitate networking and knowledge sharing, and provide solutions and recommendations for addressing sustainability challenges.

COMSATS University Islamabad (CUI) has a strong focus on sustainable development and prioritizes the social, economic, and environmental aspects of it in its programs. The university has the flexibility to work across a wide range of technology fields. At the high end of the technology spectrum, COMSATS aims to build indigenous capacity and competence in emerging sciences and technologies. This could include areas such as artificial intelligence, biotechnology, nanotechnology, and other cutting-edge fields. To fulfill its objectives, COMSATS collaborates with national and international NGOs. They work together through student volunteering programs, research initiatives, and the development of educational resources. These collaborations aim to tackle the Sustainable Development Goals

(SDGs). Overall, COMSATS University Islamabad is committed to advancing sustainable development in all its programs and utilizes partnerships with NGOs to achieve this goal.

Contribution towards SDG-1: No Poverty

COMSATS University has published an SDG Report 2022 that reflects its commitment to addressing the 17 Sustainable Development Goals (SDGs). It's commendable that they have dedicated a separate report to SDG 1, which focuses on eradicating poverty. This underscores their dedication to advancing efforts toward poverty reduction and improving the quality of life for all individuals. By publishing this report, it is likely that COMSATS University is documenting its progress, sharing its achievements, and outlining future plans to contribute to the SDGs. This kind of transparency and accountability is crucial for monitoring and evaluating the effectiveness of initiatives related to sustainable development.

Certificate Distribution in Appreciation of VTI Trainees

An appreciation certificates distribution ceremony was arranged on September 27, 2022 for the trainees of Vocational Training Institute, Taxila, including four female and two male who successfully completed their two months on job training (internship) at CUI Wah Campus in different departments Library, Examination, Academic Sections and Services department. The Director Campus, Prof. Dr. Muhammad Abid, T.I., awarded interneers with appreciation certificates in recognition of their dedication and hard work. On the occasion the Principal, Vocational Training Institute, Taxila, Syed Muzaffar Hussain was also invited and appreciated his institution's efforts in



providing technical education to the low-income class students for the betterment of the community.

COMSATS University Islamabad's commitment to promoting socio-economic development through education, research, and outreach is commendable. Offering scholarship programs for international students is an important step in achieving this goal. The university's International Office plays a crucial role in managing these scholarship programs. COMSATS University Islamabad extends scholarships to students from various low-income countries, such as Bhutan, Nepal, Sri Lanka, Myanmar, Kenya, Gambia, Afghanistan, Senegal, and others. COMSATS University Islamabad's scholarship covers a subsidy on the tuition fee and stipend. Furthermore, The World Academy of Sciences (TWAS) has an agreement with COMSATS University Islamabad which offers Ph.D., Sandwich, and Postdoctoral Fellowships for developing countries, especially least-developed countries.

Conferences, Seminars, and workshops are the major sources of gathering new information and exchanging ideas on the trends in research, upcoming technologies, and much more. It is also a platform to network with people from various fields and benefit from their experience. CUI since its inception has arranged numerous conferences, seminars, and workshops for the benefit of its faculty, students, and staff as well as the community at large.

CUI, Student Startup and

Business Incubation Centre (SSBIC) has been established with the support of the Higher Education Commission of Pakistan, and the Promotion of Education in Pakistan Foundation, Inc. (USA). The goal of the program is the promotion of talented students' entrepreneurship and to enhance their practical learning experience at the university.

Scholarships for Flood Affected Students under USAID funded Merit and Needs based Scholarship Program at COMSATS University Abbottabad Campus

Recent devastating floods in Pakistan have caused unprecedented damage and loss to the livelihood of people in millions. The floods have impacted the infrastructures of public schools, colleges, and universities. For those students who are already enrolled in the universities and affected by the floods due to damage of households and means of earning, their prospects for the continuation of higher education are now minimal.

To support students who no longer can continue their university education due to the loss of livelihoods caused by recent floods, USAID funded under Merit and needs-based Scholarship program will provide financial support in their degree completion process.

COMSATS University has a report specifically focusing on SDG 2 - Zero Hunger. This shows the university's commitment to addressing important



COMSATS labour quota Scholarship 2022 and admission under Punjab Worker welfare board

<https://careerhelpportal.com/>

Deadline: July 27, 2022

COMSATS University Islamabad

Scholarship Opportunities for MS and PhD Studies

COMSATS University Islamabad (CUI) is one of the public sector ranking universities of Pakistan. It offers a wide range of academic programs at undergraduate and graduate levels. The CUI promotes scholarship and accords emphasis on carrying out quality research.

CUI invites applications from Pakistani and AJK nationals to pursue MS and PhD studies at its Islamabad Campus in the areas of Medical Imaging and Diagnostics using Artificial Intelligence. The scholarships are announced under HEC funded development project entitled "Medical Imaging and Diagnostics Lab, National Center of Artificial Intelligence NCAT".

MS Scholarships (3 Nos.)

- Students already enrolled in MS degree program at CUI Islamabad campus are eligible to apply.
- Candidates availing any other scholarship offer are not eligible to apply.
- The selected candidates will be given a living allowance of 20,000 p.m. as admissible under the rules, for a max. period of 18 months. No extension will be considered.

PhD Scholarships (3 Nos.)

- The applicants must either already be enrolled in the PhD program or should have applied for admission at CUI, Islamabad Campus as per CUI and HEC criteria at the time of interview.
- Students applying for admission must have passed the GAT exam.
- Candidates availing any other scholarship offer are not eligible to apply.
- The selected candidates will be given tuition fee waiver and a living allowance, as admissible under the rules, for a max. period of 36 months. No extension will be considered.

How to Apply

- Eligible candidates are advised to fill an online form at <https://rebrand.ly/MIDLApplication>.
- Candidates are also advised to send a soft copy of the following documents with a cover letter on email address mid-ncat@comsats.edu.pk
 - CV/Resume
 - Attested photocopy of CNIC
 - Attested photocopies of all educational degrees/testimonials
 - Most recent photograph
 - Attested copy of NTS (GAT-Subject) Result Card

Closing Date

- The closing date for application is **15 days** from the date of appearance of this advertisement in newspapers.
- Please clearly mention the Degree Program for which scholarship is applied in the subject of email.
- No hardcopy of application form is required at this stage. Only short-listed candidates will be called for interview for which TADA shall not be admissible.

Applications should be addressed to:
Principal Investigator, MID Lab, NCAT
COMSATS University Islamabad
(A public sector University of Ministry of Science & Technology)
Computer Science Department, Academic Block 2
Park Road, Tarlai Kalan, Islamabad. Tel: 011-9247000-5057
www.comsats.edu.pk

PID(I) 3411/20




USAID-funded Merit and Needs Based Scholarship Program

50% Scholarships are reserved for Female Students only



Undergraduate Scholarships for Flood 2022 Affected Students only

Recent floods in Pakistan have caused unprecedented damages to the infrastructures and livelihood of people in millions. Continuous loss of higher education for the students of universities who belong to flood affected districts has become a major concern and many are at risk of drop out due to unavailability of financial resources. USAID-funded Merit and Needs Based Scholarship Program provides scholarships to students from flood-affected districts nationwide since 2008. To support enrolled students of universities from the flood affected districts, the Program will provide scholarships for enrolled students to complete their university program.

Eligibility

- Students who are citizens of Pakistan and are currently enrolled in the undergraduate program at the time of application.
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Scholarship Coverage

- Tuition Fee
- Books and Supplies
- Living Allowance
- Health Insurance
- Travel Allowance
- Accommodation Allowance

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Park Road, Tarlai Kalan, Islamabad. Tel: 011-9247000-5057
www.comsats.edu.pk

Partner Universities / Institutions

The Scholarships are available at following Partner Universities/Institutions

| University/Institution | Program | Location |
|--|---------------|---------------------|
| COMSATS University Islamabad | Undergraduate | Islamabad |
| COMSATS University Abbottabad | Undergraduate | Abbottabad |
| COMSATS University Swat | Undergraduate | Swat |
| COMSATS University Peshawar | Undergraduate | Peshawar |
| COMSATS University Lahore | Undergraduate | Lahore |
| COMSATS University Karachi | Undergraduate | Karachi |
| COMSATS University Rawalpindi | Undergraduate | Rawalpindi |
| COMSATS University Faisalabad | Undergraduate | Faisalabad |
| COMSATS University Multan | Undergraduate | Multan |
| COMSATS University Sialkot | Undergraduate | Sialkot |
| COMSATS University Gujranwala | Undergraduate | Gujranwala |
| COMSATS University Sahiwal | Undergraduate | Sahiwal |
| COMSATS University Jhelum | Undergraduate | Jhelum |
| COMSATS University Hafizabad | Undergraduate | Hafizabad |
| COMSATS University Okara | Undergraduate | Okara |
| COMSATS University Rahim Yar Khan | Undergraduate | Rahim Yar Khan |
| COMSATS University Sanghar | Undergraduate | Sanghar |
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global issues and promoting sustainable development. The inclusion of all seventeen Sustainable Development Goals in the report also indicates a comprehensive approach towards achieving overall sustainability. This report will undoubtedly contribute significantly to raising awareness, assessing progress, and encouraging actions towards achieving SDG 2.

Contribution towards SDG-2 Zero Hunger

COMSATS University Islamabad has taken steps to address food wastage and proper disposal by forming a committee. To ensure effective management of food wastage in campus cafeterias, here are some key steps the committee can consider:

Waste Audits: Regularly conduct waste audits to measure the amount and types of food being wasted. This will help in identifying patterns and areas for improvement.

Menu Planning: Work with cafeteria staff to plan menus that minimize food waste. Consider offering options for smaller portion sizes and encourage students to take only what they can eat.

COMSATS University Islamabad provides student cafeterias that offer a variety of food items at economical prices. These cafeterias serve as a convenient dining option for students and staff on campus. To maintain the quality of food and ensure fair pricing, the university often establishes cafeteria and food committees.

The specific procedures and policies of these committees may vary from one campus to another and can evolve over time. The primary goal is to create a dining environment that is both affordable and of high quality for the university's community. Students and staff benefit from these committees by having access to safe and reasonably priced food options on campus.

COMSATS University Islamabad monitors the wastage of Food at campus during the reporting year 2022
72mt food has been wasted at its seven campuses

which is 35% less than the last year. Reduce in food waste shows the commitment of the university management to take measures for stopping the food wastage.


COMSATS University Islamabad is taking steps to ensure that students and lower-income staff have access to affordable and quality food. This initiative can play a significant role in addressing food insecurity among these groups and promoting a supportive and inclusive campus environment.

The faculty members of the Environmental Science Department at CUI Vehari and Abbottabad Campus are actively involved in research related to food security, food waste management, risk assessment, etc. Several research articles were published in this field. The knowledge generated is shared with students via lectures and is freely available to students.

COMSATS University has published an SDG 3 Report for 2022, which contains information related to the third Sustainable Development Goal (SDG), which focuses on ensuring healthy lives and promoting well-being for all at all ages. This goal aims to address various health issues and improve access to quality healthcare services. The specific content of the report would depend on COMSATS University's approach and priorities within the context of SDG 3. It includes information on efforts to reduce maternal and child mortality, combat infectious diseases, improve mental health services, promote healthy lifestyles, address non-communicable diseases, strengthen healthcare infrastructure, and enhance access to essential medicines.

Contribution towards SDG-3 Good Health and Wellbeing

According to the World Health Organization (WHO) Regional Office for Europe Copenhagen, "Universities can do many things to promote and protect the health of students and staff, to create a health-conducive working, learning and living environments". CUI management believed in the WHO statement. For this



purpose, CUI has up-to-date and well-managed sports grounds and indoor sports facilities on campus. Further, CUI management believed in community services. Therefore, on request, sports grounds and indoor facilities are often provided to the general public. These sports grounds and indoor facilities are provided free of cost for public service events. However, these grounds are also provided to the general public with minimal cost.



The campus has Cricket, Football, badminton, and basketball grounds for both male and female students. Also the gym and indoor game centers are open to students for health and sports activities. The student week is held in each semester offering healthy competition among students in co-curricular activities.



No Smoking Campus

CUI takes a strong stance against smoking, both for the well-being of its students and staff, as well as the overall safety of the university environment. CUI acknowledges the direct health risks posed by smoking, which can affect both smokers and non-smokers through passive smoking. This indicates the university's commitment to the well-being of its community. CUI's smoking ban extends to all areas within the university, including indoor and outdoor environments, as well as vehicles. This ensures a completely smoke-free campus. The imposition of a 10,000 PKR fine on smokers in case of policy violation demonstrates the seriousness with which CUI enforces its anti-smoking rules. Such penalties are meant to deter individuals from breaking the policy.



Health Care

COMSATS University Islamabad has arranged medical/health facilities at all of its campuses. In this regard, Medical Centre at CUI Islamabad was established in 2007 which maintains a formulary of life saving drugs and other essential drugs that are provided free of cost to the employees and students of CUI. There are three Medical Officers, two staff nurses and two nursing assistants. The services offered include consultation, first aid management/vital signs monitoring, nebulization, random blood

sugar testing with glucometer, E.C.G., dressings/cut wound stitched, securing haemostasis in case of bleeding from nose/deep wounds, stabilizing patients in case of hypo or hypertension/shock, counseling/psychotherapy, ambulance services, minor surgical procedures, three beds for observation (separate for Male & Female patients).

There are different types of emergencies dealt at CUI Islamabad medical centre few of which are minor emergencies, fainting/unconsciousness/fits, SOB (signs of breathlessness), minor RTA's (Renal Tubular Acidosis), chest pain (first aid before shifting to hospital), dehydration/vomiting, and allergies, etc. The medical center has the necessary medicines available in stock which are donated by different sources to CUI.



CUI, Abbottabad Campus has a well-equipped Medical Center and a qualified senior doctor to provide primary health care services and first aid in case of any on-campus emergency to students, staff, and faculty. Also, Ayub Teaching Hospital, which is a fully equipped hospital, is on a two minutes' drive from our campus. Following Facilities are available at campus:

- An observation room comprises four beds for minor emergencies
- Oxygen cylinder
- Oxygen concentrator
- Nebulizer

- Glucometer
- Stature
- Wheelchairs
- Minor wound stitching and dressings
- I/V and I/M injections for emergencies
- Ambulance

CUI has a Counselling and Wellness Centre (CWC). The CWC has specialized psychologists responsible for counseling faculty, staff, and students, for stress reduction free of cost.

A Medical Centre has been established in the CUI Wah Campus to provide emergency treatment to students and employees. A full time Female Doctor and experienced Dispenser has been engaged in Medical Centre. Medical Centre is equipped with all basic facilities. Moreover, two ambulances are also available for emergency.

Health Care at CUI Lahore

To provide first aid and medical facilities to students and faculty members, a Health Center has been established near the academic block under the supervision of a qualified Resident Medical Officer. The center focuses not only treatment, but also on health promotion and prevention through education and awareness. Student input and feedback is core to our mission.

Health Care at CUI Attock Campus

To meet the physical, mental and social challenges the campus has a medical center along with a medical officer and two nursing staff to provide the first aid and to fulfill the emergency requirements. Also the main district hospital and Rescue 1122 are very near to the campus and are approachable within 2 to 3 minutes.

The SDG 4 Report 2022 published by COMSATS University focuses on Sustainable Development Goal 4, which aims to ensure inclusive and equitable quality education and promote

lifelong learning opportunities for all. This report specifically highlights the university's efforts and initiatives in contributing towards this goal. The report begins with an introduction to the importance of quality education and its role in achieving sustainable development. It then goes on to provide an overview of COMSATS University's commitment to SDG 4 and its efforts in promoting education for all. The report further discusses various initiatives undertaken by the university to improve access to quality education. This includes scholarships and financial assistance programs for underprivileged students, the establishment of educational institutions in remote areas, and collaborations with international partners for knowledge exchange.

Contribution towards SDG-4 Quality Education

COMSATS University aims to ensure that every individual has access to quality education and opportunities for lifelong learning, contributing to the achievement of a sustainable future for all.

Constitution of Industrial Advisory Board

Industrial advisory board has been constituted on the advice of the Chairman Computer Science Department in order to minimize the industrial and academia gap. It provides support in expanding and strengthening mutually beneficial relationships with industry, present and former students, and government agencies. The Industrial Advisory Board (IAB) has a vital role in OBE system of Education. It can provide a platform for academia-industry interaction to explore opportunities for joint collaboration and identify potential employers and also it promote institute outreach in industrial community.



Investing in Quality, based on the ownership of Quality Assurance (QA) processes and Quality Enhancement (QE) practices for delivering high quality education, CUI envisages becoming a world premiere center of excellence for education, research and development. CUI has its own quality assurance regimen that reflects its strategic Vision 2030, follows the quality assurance program of the Higher Education Commission (HEC) for improved quality and research, and is also in strict accordance with the international quality assurance standards that facilitate CUI's participation in the world university rankings.

With Quality as its integer and Excellence in higher education as a qualitative strategic imperative, CUI manifested its progressive mission by establishing the Quality Enhancement Cell (QEC) in 2006, and since then, has taken bold initiatives to attain, manage and enhance quality at the institutional level in all its cadres as university management, academic and administration. The QEC, as an essential component of CUI management, is dedicated to an effective implementation of Quality Standards, processes of Quality Assurance and Management System, and continually reviewing the progress for enhancement of quality as per CUI Quality Policy. To create awareness about quality in the students, faculty and staff, QEC is continually involved in developing a quality mind set in the university at student, faculty, and management levels, so that a practicing quality culture is one of the best practices at CUI.

CUI QEC team at Principal Seat, in coordination with the Campus Quality Coordinators (CQC) in all the campuses, has been responsible for bringing realization to all stakeholders that the Quality Assurance program (a Continuous Improvement Process for improving quality in Teaching, Programs, Curricula and Research) is helpful in improving the quality of their professionalism towards the deliverance of quality education.

Comsats University Islamabad has a well-equipped library that is accessible to the entire community, including non-students. The availability of library resources to a wider audience can be a valuable asset to the community and promote lifelong learning.

The issuance of temporary library cards for non-students is a

common practice at CUI. These cards allow individuals who are not formally enrolled at the university to access the library's resources, including books, research materials, and academic databases. In this way, CUI extends the benefits of the university's library to the broader community.



As per COMSATS University Islamabad Act, 2018, the university shall be open to all persons of either gender and of whatever religion, race, creed, class, color, or domicile, and no person shall be denied the privileges of the university on the grounds of religion, race, caste, creed, class, color or domicile. Therefore, the university has a clear policy to ensure that all students have access to the facilities and activities, regardless of ethnicity, religion, disability, immigration status, or gender. In this regard, COMSATS University offers scholarships to disabled, needy, and Afghan refugees.

The Academic Excellence Certificates Distribution Ceremony of semester Fall-2021 was held on March 17, 2022 at new Campus Auditorium to acknowledge the merits of the students who

performed exceptionally well in Fall-2021.

The Director Campus, Prof. Dr. Muhammad Abid, T.I., has graced the ceremony as Chief Guest. He congratulated the high achievers students on their academic excellence and distributed certificates and scholarships among 95 students, secured first three positions at undergraduate level from all departments including Electrical and Computer Engineering, Civil Engineering, Mechanical Engineering, Computer Science, and Management Sciences in BS(EE), BS(CVE), BS(ME) BS(CS), BS(SE), BS(BBA) and BS(AF) programs. The head of departments, faculty members and other officials were also present on the occasion.



Sustainable Development Goal (SDG) 5 shows a commitment to gender equality and empowering women and girls. SDG 5 aims to achieve gender equality and empower all women and girls, addressing issues such as discrimination, violence, and unequal access to opportunities. By dedicating a separate report to SDG 5, COMSATS University demonstrates a comprehensive understanding of the challenges and progress made in this specific goal area. This focused report can provide detailed insights into the university's efforts, initiatives, and achievements related to promoting gender equality and women's empowerment. It is important to acknowledge and address gender disparities and inequalities to create a more

equitable society and foster sustainable development. By highlighting SDG 5 in its report, COMSATS University contributes to the global discourse and collective efforts towards achieving this vital goal.

Contribution towards SDG-5 Gender Equality

COMSATS University Islamabad Act, 2018, emphasizing the university's commitment to being open to individuals of all genders, religions, races, creeds, classes, colors, or domiciles. CUI has a policy to ensure equal access to facilities and activities for all students, regardless of factors such as ethnicity, religion, disability, immigration status, or gender.

Additionally, COMSATS University offers scholarships to disabled individuals, those in financial need, and Afghan refugees. This reflects the university's efforts to promote inclusivity and provide support to students facing various challenges. COMSATS University Islamabad Act, 2018, emphasizing the university's commitment to being open to individuals of all genders, religions, races, creeds, classes, colors, or domiciles. The statement also underscores the university's policy to ensure equal access to facilities and activities for all students, regardless of factors such as ethnicity, religion, disability, immigration status, or gender.

COMSATS University Islamabad has an open merit policy that allows women to compete for admissions and job opportunities without any gender bias.

COMSATS University Islamabad takes all measures to provide mentoring, scholarships, and all relevant access to its female students and staff, different activities were performed during 2022 to facilitate them for women's access schemes.

Certificate Distribution In Appreciation Of VTI Trainees

An appreciation certificates distribution ceremony was arranged on September 27, 2022 for the trainees of Vocational

Training Institute, Taxila, including four female and two male who successfully completed their two months on job training (internship) at CUI Wah Campus in different departments Library, Examination, Academic Sections and Services department. The Director Campus, Prof. Dr. Muhammad Abid, T.I., awarded interneers with appreciation certificates in recognition of their dedication and hard work. On the occasion the Principal, Vocational Training Institute, Taxila, Syed Muzaffar Hussain was also invited and appreciated his institution's efforts in providing technical education to the low-income class students for the betterment of the community. The Director Campus mentioned the role of vocational training and self-employment. He motivated them and mentioned that in future CUI Wah Campus will fully support the VTI students in providing on job training and putting the role of CUI Wah Campus in eliminating poverty and equipping the youth in making them self-sufficient. He further mentioned that CUI Wah Campus is also aligned with sustainable development goals (SDGs) to benefit the community gender based and in poverty alleviation. At the end the Director Campus assured cooperation in facilitating the students of VTI. The ceremony ended with a vote of thanks.



Training On Empowering Women In Geospatial Information Technology – 2022

Engr. Sumera Fahmi Khan from the Department of Civil Engineering/focal person of UNESCO Chair on Knowledge Systems for Integrated Water Resources Management (IWRM) attended the online training titled “Training on Empowering Women in Geospatial Information Technology – 2022 edition from August 16-19, 2022. The training was organized by the

International Centre for Integrated Mountain Development (ICMOD) and the Bangladesh Forest Department (BFD) within the framework of the SERVIR-HKH Initiative supported by the United States Agency for International Development (USAID) and National Aeronautics and Space Administration NASA).

The training aimed to train and enhance the capacity building of young female professionals on improved techniques to access the Hindu Kush Himalaya (HKH) region on the use of Earth observation (EO) data and geospatial information technology (GIT) to empower women and enable them to use EO data for different applications. This will support them in bridging the gender gap in the EO/GIT field and help to build the foundation for women's leadership in the EO/GIT sector in HKH region.

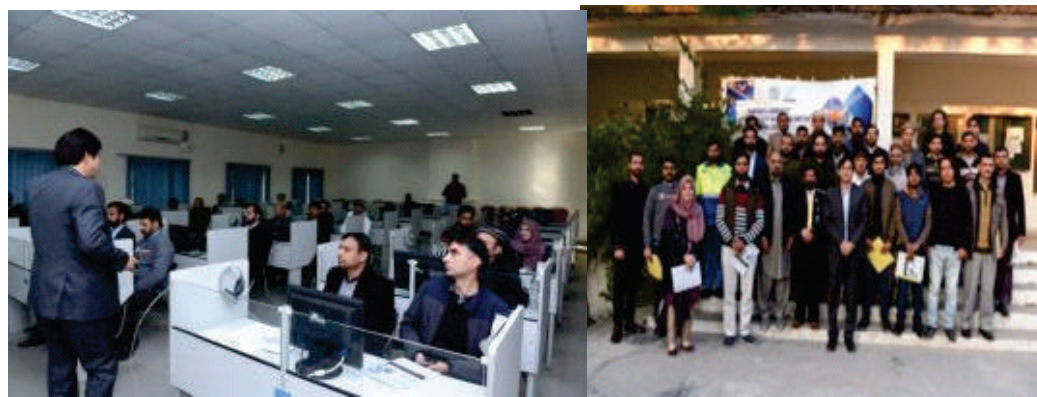
One-week training workshop on “Women's Participation in the Democratic Processes”

The Department of Development Studies, COMSATS University Islamabad (CUI), Abbottabad campus, organized a one-week training workshop on “Women's Participation in the Democratic Processes”. The workshop was funded by Shirkat Gah and supported by the Omar Asghar Khan Development Foundation (OADF). More than 300 students and faculty of the CUI, Abbottabad Campus, and local organizations attended the training workshop. The workshop emphasized the importance of democracy, democratic processes, the importance of election in a democracy, and ensuring gender inclusiveness in the election process.



Training workshop was organized by the (PITAC) in collaboration with COMSATS University Abbottabad Campus

One day training workshop was organized by the Pakistan Industrial Technical Assistance Center (PITAC) in collaboration with COMSATS University Islamabad, Abbottabad Campus on December 19, 2022. The event was sponsored by the Small and Medium Enterprises Development Authority (SMEDA) and National Business Development Program for Small and Medium Enterprises (SMEs). The participants of the workshop included representatives from the industries, faculty members of the university, and employees of relevant government departments. From COMSATS Abbottabad, faculty members from the Department of Environmental Sciences, Engineering, Pharmacy, and Biotechnology attended the event. The main training session focused on the prevention and management of various health, safety, and environment-related issues in various industrial units. Participants were given detailed training on various scenarios that can lead to major hazards and techniques to manage such accidents. The session concluded with a vote of thanks by the Campus Director, Professor Dr. Muhammad Maroof Shah. He emphasized the need for more such training at all workplaces to prevent accidents. The campus Director distributed the certificate of participation among the attendees of the training session.



COMSATS University has published a report on SDG 6 in their 2022 SDG Report. SDG 6 focuses on ensuring clean water and sanitation for all. It's commendable that we have dedicated a separate report specifically for this goal. This shows our commitment to addressing the challenges related to water and sanitation and their efforts in contributing to the achievement of SDG 6.

Contribution towards SDG-6: Clean Water and Sanitation

COMSATS University takes all measures to provide clean water and sanitation at its all campuses.

CUI has implemented measures to prevent polluted water from entering the water system, including addressing pollution caused by accidents and incidents on campus. The university has installed separate sieves for toilets, washrooms, and kitchens to ensure that solid waste and food waste do not mix with the water. This helps maintain the quality and cleanliness of the water supply.

The University provides free drinking water to students, staff, and visitors. To ensure the quality of the water, a reverse osmosis water filtration plant has been installed on campus. This plant helps purify the water, making it safe and suitable for consumption. Students, visitors, and employees at the university benefit from this facility. Reverse Osmosis water filtration plants installed on the campuses.

CUI follows building standards that aim to minimize water use. All the buildings on campus are designed and constructed in accordance with the standards set by the relevant regulatory authorities. These standards ensure that water-efficient practices and technologies are incorporated into the buildings, helping to reduce water consumption and promote sustainability. Dual flushes in the toilet are being used at university. Two-stage flush system toilets use about 20 percent less water per year than conventional one-flush-only toilets.

COMSATS University Islamabad has a dedicated horticulture section that is planned and maintained on a sustainable basis. The university focuses on planting indigenous local varieties of trees, shrubs, and ground cover that are well-suited to the climatic conditions and requirements of the area. The selection of plants includes less water-dependent species such as Cassia fistula Linn, Pongamia Pinata, Sapium, Silver Oak, Argun, Persian lilac, and Mountain Ebony. To oversee the horticulture affairs of the university, there is a dedicated horticulture society in place. This society ensures the proper care and maintenance of the university's horticultural areas.

Centre for Climate Research and Development of CUI focuses on mainstreaming climate change into development policy and community-based adaptation to climate change across the country. In this regard, CUI faculty engages in providing support for water conservation and improving the quality of water in university particularly and in the country as whole.

CCRD arranges different awareness campaigns on water conversion and reuse issues Awareness Brochures and banners to the University Water Utility and saving



CCRD CUI conducted the webinar on "Feasibility Study for Provision of Safe Drinking Water through Water Conservation (SDWC)" on 30th March 2022. The purpose of organizing this webinar is to share the outcomes of the ongoing feasibility study for the Provision of Safe Drinking Water through Water

Conservation (SDWC) with the D-8 member countries. To gather scientists, water experts, and academicians around the globe to exchange their views and experiences to address the key challenges/research gaps related to water.

Celebration of World Water Day 2022

UNESCO Chair on Knowledge Systems for Integrated Water Resource Management at CUI Wah celebrated World Water Day on March 31, 2022 at COMSATS University Wah Campus and organized a Seminar titled “Monitoring Climate Extreme Events through Remote Sensing and Modelling” followed by a Poster Competition with this year theme "Groundwater: Making the invisible visible".

The resource person Dr. Mukhtar Ahmed enlightened the participants about the impact of extreme climate events (ECE) on the agricultural sector of Pakistan using remote sensing techniques to predict scenarios to explore possible options to mitigate the effect of ECE and to achieve sustainable development goals.

A large number of students from schools, colleges and universities and professionals participated in the poster competition. The purpose of this competition was to raise awareness about groundwater. Groundwater is an important source of fresh water which is invisible but its impact is visible everywhere. Experts from academia and industry evaluated posters. Seminar and Poster competition supported the Chair effort to achieve the Sustainable Development Goal 6: Water and Sanitation for all. The winners and runners up of the poster competition for school category and university category were awarded cash prizes and certificates.



Project Meeting on Satpara Lake Sedimentation and Climate Modeling

The project meeting was held on December 22, 2021 under the chairmanship of the Director Campus/ UNESCO Water Chair on Knowledge Systems for Integrated Water Resources Management (IWRM), CUI Wah Campus, Prof. Dr. Muhammad Abid, T.I.,. Following members attended the meeting Dr. Mukhtar Ahmad, Assistant Professor, Department of Agronomy from Arid Agriculture University Rawalpindi, Dr. Muhammad Hasan Ali Baig, Associate Professor, Institute of Geo-Information & Earth Observation from Arid Agriculture University Rawalpindi, Dr. Munawar Ali Abbass, Assistant Professor, Department of Mathematics from University of Baltistan, Skardu. Dr. Zaheen Khan, Assistant Professor, Department of Geology from University of Baltistan, Skardu. Dr. Zakir Hussain, Assistant Professor, Department of Mathematics from University of Baltistan, Skardu. Dr. Salar Ali, Assistant Professor, Department of Environmental Sciences from University of Baltistan, Skardu. The said meeting was between the researchers from Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi (AAUR), the University of Baltistan, (UoB), Skardu and COMSATS University Islamabad (CUI) Wah Campus. Deliberations held on the planning taken to study the improvements in supply of irrigation water for Satpara Lake Sedimentation and Climate Modeling project as a multidisciplinary team. It was also decided to submit a joint research proposal to some related funding agencies under the UNESCO Water Chair on IWRM, PSF or HEC.



SDG 7 focuses on affordable and clean energy, and having a separate report for it shows a dedicated effort of COMSATS University Islamabad towards achieving this goal.

Contribution towards SDG-7: Clean Energy

Affordable and Clean Energy (SDG 7) is one of the 17 global goals established by the United Nations as part of the 2030 Agenda for Sustainable Development. SDG 7 focuses on ensuring access to affordable, reliable, sustainable, and modern energy for all. The goal recognizes the importance of energy in various aspects of development, including economic growth, environmental sustainability, and social well-being.

This goal recognizes the crucial role of affordable and clean energy in achieving sustainable development. Access to reliable and clean energy sources is essential for poverty eradication, economic growth, environmental protection, and improved quality of life. By addressing the targets outlined in SDG 7, countries can work towards ensuring that everyone has access to affordable, reliable, and modern energy services while promoting sustainable energy practices and reducing environmental impact.

All buildings at CUI's campuses are designed and constructed with a focus on energy efficiency parameters and compliance with standards issued by the Capital Development Authority (CDA) and the government of Pakistan. Energy-efficient buildings can help reduce energy consumption and lower environmental impact while also providing a more comfortable and sustainable environment for occupants.

CUI had planned to replace all conventional lights with LED lights which saved 95% energy as compared to conventional lights. CUI had installed 1700 No's LED Lights in the Year 2022.

Following are the recommendations to support energy conservation plan at CUI-Lahore campus level:

1. On-Campus Solar Energy
2. Solar Heating and Hot Water
3. Energy Efficiency in Campus Buildings

4. Sustainable Transportation

5. Energy Conservation

100 KW Solar Power Plant at Islamabad Campus was commissioned in September 2016. Per kWh CO₂ emission by Thermal Power Plant is 0.6 kg. Total Energy Produced by this plant up to August 2023 is 647,584 KW. This means that this Solar Power Plant has saved 355 tons of CO₂ emission during the period under consideration. One grown tree roughly absorbs 24 kg of CO₂ annually. The CO₂ emissions saved by this Power Plant are equal to 14,800 full-grown trees. 300 KW Solar Power Generation Facilities Installed at Sahiwal Campus. The commissioning date of the project is April 14, 2022. To date, the total units produced by this facility are 434,960 kWh. This means that this Solar Power Plant has saved 260 tons of CO₂ emission since its commissioning. CO₂ emissions saved by this Power Plant are equal to 10,874 full of trees.

The agreement for establishment of 400 kW solar power generation facility at Vehari Campus is signed on Nov. 2022. Tentative production in one year would be 584,000 kW.

CUI had installed Multi Digital Scroll System (MDS) Technology which is 30% energy efficient as compared to conventional air conditioning. Furthermore, Building Management Systems installed at all buildings of CUI, Islamabad campus has been installed resulting in efficient usage of energy consuming devices. Inverter A/C are installed where MDS system is not used. Power Factor Improvement Panel installed to Control Power Factor effected by inductive load.

COMSATS University has established Energy Research Center at CUI Lahore Campus, the mission of the Energy Research Center (ERC) is to develop actively smart energy-related programs, improve the quality of domestic talents in basic research and the development of smart energy, and promote sustainable development curricula with the Ministry of environment and Ministry of Science and Technology. ERC endeavors to improve and advance its commitment to renewable energy through education.

Seminar, titled “Heat Transfer Assessment of Micro Channel Heat Sinks with Different Shape Ribs”

The department of Mechanical Engineering in collaboration with ASHRAE arranged a seminar, titled “Heat Transfer Assessment of Micro Channel Heat Sinks with Different Shape Ribs” for undergraduate students in university campus on 17th March 2022 by Dr Zabd Ur Rehman Chair Mechanical Air University Islamabad.

The students of Mechanical Engineering attended the seminar. The speaker introduced students with micro and mini heat channel flows and their application as heat sink. During lecture students were informed in detail about application of phase change heat transfer modules for devices where area constrained is faced. Students enjoyed lecture as it was about application of their heat transfer concepts for solving real world problems. Heat sinks of micro processor were discussed in detail and its parametric study were also presented to students so that they can design optimized heat transfer modules in future.

Other parameters of heat transfer were also discussed in detail to converge student theoretical knowledge to take it as their final year project so it can be a solution provider to the industry and society. At last the speaker discussed about energy efficiency and responsibilities of an design engineer to progress in future.

At the end students had very fruitful interactive question answer session with the speaker. Students acknowledged the emergence of multidisciplinary stream and the importance of Heating, Cooling and Refrigeration systems in the field of Mechanical Engineering. The session ended with the Director, Prof. Dr. Muhammad Abid addressing to the students and presenting souvenir shield to the speaker.



Workshop on Energy Efficiency and Decarburization of Industries In Pakistan

In continuation of study conducted by the Centre for Industrial and Building Energy Audits on behalf of World Bank. The Director Campus/ UNESCO Chair on Knowledge Systems for Integrated Water Resources Management (IWRM), COMSATS University Islamabad, Wah Campus Pakistan attended the workshop on July 04, 2022 on Energy Efficiency and Decarbonization of Industries in Pakistan, organized by the World Bank at Serena Hotel Islamabad, Pakistan.



SDG 8 focuses on promoting sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all. It's excellent that COMSATS University has dedicated a separate report specifically for SDG 8. This shows their commitment towards advancing this particular goal and ensuring its progress is tracked and measured. By doing so, the university can contribute to the larger global efforts of achieving all seventeen Sustainable Development Goals.

Contribution towards SDG-8: Decent Work and Economic Growth

SDG 8 aims to ensure that economic growth is inclusive and benefits all segments of society. COMSATS University Islamabad believes that by focusing on decent work, job creation, and

supporting small businesses, it can contribute to building a sustainable and equitable national economy.

Further Living wage in Pakistan is not defined by the Government of Pakistan, however, the minimum wage is defined which is currently Rs 25,000/- per month. COMSATS University Islamabad has also notified minimum wage i.e. Rs 25,000 per month. An analysis of the gross salaries structure of CUI employees depicted that 100% of CUI employees have salaries more than the benchmark of minimum wage.

At CUI there are Unions/Associations from academic, administrative, and support staff aimed at working for the rights of employees. However, these Associations are not legally recognized by CUI.

1. International Staff as well as faculty including women are recognized and recruited at the university. The SOPs along with incentives for the recruitment of international staff are enclosed.
2. CUI follows labor laws in terms of working hours for its employees and offers overtime to staff-grade employees

Seminar on “How to Be an Entrepreneur”

The Department of Management Sciences and Eventix Society arranged a seminar on “How to be an Entrepreneur” on December 8, 2022. Mr. Ahmed, CEO of Mughlia Baithak, Wah Cantt, an alumni of CUI Wah Campus and a successful entrepreneur was a resource person of the seminar. The purpose of the event was to share important steps and techniques with students on “How to be an Entrepreneur”. The speaker discussed his experience and addressed the entrepreneur's abilities to develop and organize his limited resources, take initiative to handle uncertainties in order to make a successful entrepreneur. The experience of the resource person was very helpful for the students for their future professional endeavours. Students/faculty members from all departments of the University attended the seminar with interest. At the end the fruitful question answer session was also held to clear the fear of market conditions and misperceptions

among students regarding becoming an entrepreneur. The speaker motivated them to think and move forward with their own start-up ideas. The event was concluded by presenting a university souvenir to the guest speaker by the Head Management Sciences Department with a vote of thanks.



It's essential to clarify that modern slavery, also known as human trafficking, is a grave violation of human rights, and it is illegal and unethical. There is no practice of modern slavery at CUI. The University, as per policy, follows a minimum of 40 working hours a week which is clearly mentioned in the Employment Contracts. Staff Grade employees are given Overtime according to the rate approved for different grades. Further Efficiency and Discipline Statutes 2006 and Rules for Harassment, Sexual Harassment, and Abuse of Authority 2009 are notified and implemented in CUI. No one is allowed to exploit employees for personal gains, in the case of any volunteer work, people volunteer themselves. No one is allowed to exploit employees for personal gains, in the case of any volunteer work, people volunteer themselves, and no physical or any kind of threat If someone wants to leave the employment of CUI.

COMSATS University Islamabad is committed to gender equity and does not discriminate in terms of employee rights, pay, and privileges. Ensuring equal pay and treatment for all employees, regardless of their gender, is an important step towards creating an inclusive and fair work environment. Gender equity promotes diversity, equality, and overall well-being within the organization, and it's essential for fostering a positive workplace culture.

COMSATS University as a body possesses a process, which is part of the Act as well as policies. The grievance redressal process is there and besides policy documents, it is also mentioned in the employment contract. As per Employees Efficiency and Discipline Statutes 2006 clause 26(A), the

employee has the right to prefer an appeal within 30 days of the issuance of the order imposing the penalty to the appropriate appellate authority.

Employees can present their grievances related to their salaries, promotions, and others. There is a devised mechanism and notified committees to address this grievance.

One Day Entrepreneurial Training Activity

The Department of Management Sciences conducted an entrepreneurial training activity on June 2, 2022 for the undergraduate students of BBA and BAF under the guidance of Assistant Professor, Dr. Muhammad Yar Khan and Mr. Imran Mehmood. The students of Entrepreneurship and Project Planning & Management displayed their stalls to capitalize their theoretical and practical concepts. The focus of this entrepreneurial activity was to provide a platform to students for idea generation, screening and its implementation concept to fulfill the client demands as per available financial resources and to polish their marketing and management skills.



E-Rozgaar Training Program

The COMSATS University Islamabad, Wah Campus Center of E-Rozgaar Training Program is a joint Project of Punjab Information Technology Board (PITB), Government of Punjab was established

and providing hands on trainings since November 2017 with a aim to strengthen capacities of young generation by enhancing their technical digital skills and providing platform of freelancing to start their own businesses.

e-Rozgaar training center, COMSATS University Islamabad, Wah Campus, embarked SDG 8 and 4 with challenges of poverty reduction, providing quality education, removing economic barriers and improving the well-being of society by successfully trained over 1450 individuals so far without any gender discrimination.

This program is not just a training program but also a revolution that will help the youth in generating decent job/work and taking our Society and Pakistan to run in the race of future of work around the world and contributed in the wellbeing of the society.

Contribution towards SDG-9: Industry, Innovation and Infrastructure

COMSATS University published SDG Report 2022 containing all seventeen Sustainable Development Goals with a separate Report for SDG 9

SDG 9 plays a pivotal role in driving economic growth, fostering innovation, and creating sustainable infrastructure that benefits societies and economies around the world. Collaboration between governments, private sectors, and civil society is essential to achieving the targets outlined in this goal COMSATS University Islamabad realizes the importance of this development goal and focuses on building resilient infrastructure, promoting inclusive and sustainable industrialization, and fostering innovation. Achieving this goal is crucial for promoting economic growth, creating job opportunities, and ensuring environmental sustainability.

The Civil Engineering and Architecture departments of CUI are playing a vital role to implement the SDG 9 objectives in its academic programs and different campuses have arranged awareness activities about the industry, innovation and



infrastructure.

The Bachelors of Architecture program produces architects, who understand that architecture is an integral part of the society's arts, are knowledgeable about the global and regional issues and trends have deep understanding of their identity and the society and believe in the relevance of architecture towards a better future for all. We envisage a research based pedagogy in all subjects where students demonstrate their knowledge through examinations and in the form of research projects that synthesize the semester's work, in order to emphasize the skills of critical thinking and analysis acquired by students. The B. Arch curriculum has been designed to situate architecture within these broader and multi-faceted parameters and is taught through a holistic pedagogy.

Civil engineering is the oldest engineering discipline. It deals with the design, construction and maintenance of the physical and naturally built environment. It dates back when someone for the first time place a roof over his/her head and use trunk of tree to cross a river.

COMSATS University promoting the idea that, civil engineers do a lot more than design buildings and bridges. They can apply their Engineering skills in the aerospace industry, designing jetliners and space stations; designing of high rise and off-shore structures, perfecting the load-carrying capacity of a chassis and improving the crashworthiness of bumpers and doors; and they can be found in the ship building industry, the power industry, and many other industries wherever constructed facilities are involved. And they plan and oversee the construction of these facilities as construction managers.

Civil engineering is an exciting profession because at the end of the day you can see the results of your work, whether this is a completed bridge, a high-rise building, a subway station, or a hydroelectric dam.

The department of Civil Engineering at CUI Wah Campus offers a competitive four years degree program at the undergraduate level and at graduate level based on a comprehensive curriculum

designed in accordance with the HEC and PEC guidelines and in line with international standards. The programs aim to provide critical learning for a broad foundation in structures, environmental engineering, geotechnical, materials, water resources, and transportation. Considerable emphasis is placed on group-based, open-ended design projects to provide students with the necessary skills for creative teamwork and to prepare them professionally for diverse employment opportunities. Preparation for professional practice and graduate studies is accomplished through careful selection of technical electives. The civil engineering programs provide conducive and stimulating environment to both students and faculty.

Academic and Scientific Collaboration with Ajman University A delegation from COMSATS University Islamabad (CUI), headed by the worthy Rector CUI, Prof. Dr. Muhammad T. Afzal and Director CUI Wah Campus, Prof. Dr. Muhammad Abid, T.I., undertook a visit to Ajman University (AU), UAE from November 21 – 25, 2022 to ink memorandum of understanding (MoU) to establish joint academic and scientific cooperation between the two institutions.

During the visit, several meetings were held with notable personnel, including the Vice Chancellor of Academic Affairs, Prof. Khaled Assaleh, Dean, Graduate Studies and Research, Dr. Kamran Arshad and Executive Director Office of Institutional Planning and Effectiveness, Prof. Mustahsan Mir. The worthy Rector elaborated the international rankings that COMSATS University Islamabad (CUI) has earned in recognition of its excellence in teaching and research as well as its active engagement in internationalization efforts. Prof. Dr. Muhammad Abid, T.I., also provided updates on on-going research activities.

International Tall Building Modelling and Design Competition (ITBMDC)

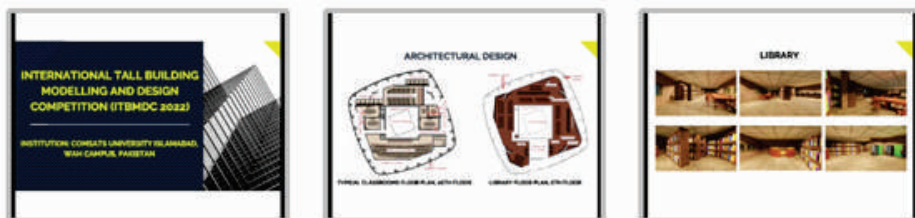
Students from the Department of Civil Engineering, COMSATS University Islamabad, Wah Campus participated in the International Tall Building Modelling and Design Competition



(ITBMDC) organized by University Technology Petronas (UTP), Malaysia and secured 2nd Position.

The event aims to shed new light on the meaning and value of tall buildings in modern society. The theme for the competition was to “Develop a digital model of a robust multi-storey Academic Block for Futuristic University Campus”. In this competition; students were tasked to model and design a tall building considering all the safety precautions in the post-covid era. The team submitted a report in a 10 minutes video showing all the parameters of design. Later, an online presentation was taken by the jury followed by a questions answer session in September, 2022. A team comprised of five students from BS (CVE)- 8th Semester, Hammad Shehzad, Muhammad Abdur Rahman Marghoob, Muhammad Abdullah Khan, Fariha Ahmed and Osama Ahmad under the supervision of Lecturer, Shahzadi Irum secured Silver Prize (2nd position) among the 29 teams from various countries. The cash prize of PKR.25,000/- was also awarded to the team. Teams from Pakistan, Jordan, Indonesia and Malaysia participated in the event.

International Tall Building Modelling and Design Competition (ITBMDC)



Capacity-Building seminar on "Preparing Yourself for the Software Industry"

The Career Development Cell (CDC), CUI Wah Campus in coordination with the Department of Computer Science has arranged a capacity-building seminar on "Preparing Yourself for the Software Industry" for the final year students on October 6, 2022. The aim of the seminar was to provide the knowledge to students on how to present their expertise to meet the growing capacity of digitization and to pursue a career in the software industry.

The In-charge CDC, Dr. Mushtaq Ahmad Bhatti and Head, Computer Science Department, Dr. Sheraz Anjum welcomed the guest speaker. The speaker CEO, ID-ware Group B.V. Denhagg Germany, Mr. Ali Hasnain Rizvi talked about the practices of the Hi-tech corporate world of the software industry and its share in the market. He highlighted that the future career path in an IT World demanded expertise that they have to prove to excel. At the end, a question answer session was also held to summarize the theme. The CUI Wah Campus souvenir was presented to the guest speaker with the vote of thanks.



The SDG 10 Report aims to shed light on the status, challenges, and progress made towards reducing inequality at both the national and international levels. It provides data, analysis, and recommendations to policymakers, stakeholders, and the general public in addressing this important goal. The report extensively covers various dimensions of inequality, such as income inequality, social inequality, and regional disparities. It examines the underlying causes and impacts of inequality, highlighting the linkages between social, economic, and environmental factors.

Contribution towards SDG-10: Reduced Inequalities

The idea behind SDG 10 is to create a world where opportunities and benefits of development are accessible to all, regardless of gender, age, race, socioeconomic status, or other factors. Reducing inequalities is seen as a fundamental aspect of sustainable development, contributing to social harmony, economic stability, and overall well-being.

COMSATS University developed its policies in line with the requirements of this goal. There is a uniform admission policy that is entirely non-discriminatory. According to COMSATS University Islamabad's Act of 2018, the University has maintained a nondiscriminatory admission policy, and as per clause 5 of the act "The university shall be open to all persons of either gender and of whatever religion, race, creed, class, color or domicile, and no person shall be denied the privileges of the University on the grounds of religion, race, caste, class, color or domicile".

COMSATS University Islamabad tracks the applications and admissions of under-represented groups through various systems and portals. The CU-online system, online admissions system, and the portal for admissions of international students are utilized for this purpose. CUI follows a merit-based recruitment policy for students, staff, and faculty. According to clause 5 of the COMSATS University Islamabad Act, the university is open to individuals of any gender, religion, race, creed, class, color, or domicile. The university does not discriminate against anyone based on these factors and ensures that no person is denied the privileges of the university on such grounds.

Several events were conducted during 2022 under the SDG 10

Celebration of World's Disable Day 2022

The COMSATS University Islamabad (CUI) Wah Campus jointly celebrated the International Day of Persons with Disabilities

2022 with Young's Muslim Inclusive Education System, Wah Cantt on December 2, 2022. The objective of this event was to spend some good time with the special children of "Young's Muslim Inclusive Education System" to show solidarity, reduce inequalities by raising awareness among youth towards their responsibility to special kids. This activity built the understanding among the students of CUI on mobilizing their support for the well-being of all those who are with any disability. The students arranged a painting and gaming stalls to make this day special for special children. The kids enjoyed face painting and playing games. The students presented the token of collection of funds to the Principal of Young's Muslim Inclusive Education System to as a support of CUI Wah Campus. The visiting group faculty and students of CUI Wah Campus were shown the art and craft made by the kids which are very impressive. At the end gifts were distributed among the special children by the CUI Wah Campus students. Young's Muslim Inclusive System appreciated the efforts of the students and management of the CUI and presented a souvenir to CUI Wah campus.



Motivational Talk on “Creating Differentiation Between Right And Wrong”

The CUI Wah Campus, "COMECS Society Pakistan-Wah Chapter" under the supervision of, Lecturer, Mrs. Sharmeen Shahid from Department of Mathematics and Lecturer, Mr. Muhammad Bilal from Department of Computer Science and SSBC organized a live session in collaboration with youth club on October 4, 2022. The seminar aimed to spread awareness among youth about their right or wrong.

Prof. Dr. Wasif Nisar, Dr. Mushtaq Bhatti and Dr. Mudassar Raza received the guest speaker Mr. Tuaha ibn Jalil, a prominent Motivational Speaker, Trainer, Life Coach & Country Head of Youth Club. The youth club ambitions to work for nurturing, mentoring, and guiding the youth to practice Islam with good understanding of Deen and Dunyah. The Director Campus, Prof. Dr. Muhammad Abid, T.I., appreciated the efforts of speaker, had an interactive meeting with him, and encouraged Youth Club of CUI Wah to organize such events in joint collaboration.

Sustainable Cities and Communities (SDG 11) is one of the United Nations' Sustainable Development Goals, aiming to make cities and human settlements inclusive, safe, resilient, and sustainable. Achieving the targets outlined in SDG 11 can have various positive effects on the environment, society, and the economy. Achieving SDG 11 involves collaboration between governments, local authorities, the private sector, and communities. This goal encourages sustainable urban planning, affordable housing, efficient public transportation, environmental protection, and resilience to natural disasters. By working towards these targets, cities can become more inclusive, environmentally friendly, and better equipped to handle the challenges of urbanization.

Contribution towards SDG-11: Sustainable Cities and Communities

CUI believes that affordable housing initiatives are a significant step toward creating a supportive and employee-centric work

environment. These efforts align with broader goals of responsible and sustainable business practices, contributing to the well-being of both individuals and the community as a whole. CUI provides an affordable accommodation to employees and students at subsidized rates.

Visit to the Department of Mechanical Engineering and the Department of Art and Design

The delegation comprised on the senior faculty members from the Department of Art and Design (DoAD), Chairperson/ Associate Professor, Ms. Farrah Mahmood, Associate Dean-Partnership from Cardiff Metropolitan University, UK, Dr. Fiaz Hussain and team visited the newly established Department of Art and Design, laboratories, drawing hall of Mechanical Engineering and other facilities available at COMSATS University Islamabad, Wah Campus on December 5, 2022. The delegation was accompanied by the Director Campus, In-charge Career Development Cell (CDC) and In-charge, Student Affairs. The team took keen interest and appreciated the facilities available at Mechanical Engineering Laboratories.



Seminar on “Performance evaluation of hot mixed asphalt through modifiers”

The Department of Civil Engineering organized a CPD seminar on “Performance evaluation of hot mixed asphalt through modifiers”, on November 24, 2022. Head, Civil Engineering Department, CUI Wah Campus welcomed the guest speaker,

Engr. Dr. Ghulam Yasin, Assistant Professor/Head, Department of Civil Engineering at MY University. He has a PhD degree in Civil Engineering from UET Taxila with a research focus on the “Performance Evaluation of Aged Asphalt Binder through Rejuvenators”. The guest speaker focussed on the performance-based evaluation of asphalt concrete at different environmental and loading conditions. To this end, this event presented the cracking and rutting potential of field cores obtained from the routes across M-2 motorway using modern mixture performance tests. Asphalt mixtures from the selected sections contained a wide variety of recycled materials, additives and virgin binder grades. This allowed for distinguishing good and bad performers and developing strategies to further boost their performance. At the end the CUI Wah Campus souvenir was presented to the guest speaker. The seminar ended with a vote of thanks

Student's Week Fall – 2022

The Student's Week Fall-2022 semester was conducted at CUI, Wah Campus from October 31 – November 04, 2022. Sports, extracurricular activities and showcase of regional cultures of Pakhtoon, Punjabi, Saraiki and Kashmiri were the part of student week. Students actively participated in Cricket, Football, Badminton, Table Tennis and Badminton, Indoor Games, E-Gamming, Dramatics and other competitions like Quiz, Calligraphy, Photography, Essay, Qirat and Naat competition. Inter cricket tournament was held among different departments in which faculty and staff members played and showed their enthusiasm. The Pet and Auto Shows captivate the attention of the audience and enjoyed a lot. At the closing of events, trophies, souvenirs and certificates were distributed among winners, runner-up teams, individual participants and organizers.



CPD seminar "Impact of Machine Learning in the Field of Civil Engineering"

One day CPD seminar "Impact of Machine Learning in the Field of Civil Engineering" was organized by the Department of Civil Engineering on October 13, 2022. The guest speaker, Dr. Muhammad Faisal Javaid, Head, Civil Engineering Department from COMSATS University Islamabad, Abbottabad Campus delivered seminar. The speaker has an experience of over 10 years in the structural modeling, analysis and design of buildings and other structures.



The speaker delivered the key features of application of machine learning and models of performance- based evaluation to build facilities under extreme loads. He shared real case studies and explained solutions of practical issues by using ML Techniques and demonstrated GeneXpro Tool 5.0 application. He also discussed the approaches involved to predict and understand the materials behaviors. At the end the CUI Wah Campus souvenir was presented to the guest speaker with the vote of thanks by the Head, Civil Engineering Department, Dr. Tahir Mehmood.

National Dialogue on GDI to GSI

The Director Campus, Prof. Dr. Muhammad Abid, T.I., attended the National Dialogue on Global Development Initiative (GDI) to Global Security Initiative (GSI) on October 6, 2022 at Marriott hotel Islamabad. The Dialogue was organized by the China Study Center of COMSATS University Islamabad and Islamabad Policy Research Institute (IPRI) The worthy Rector COMSATS University Islamabad, Prof. Dr. T. Afzal in his welcome note highlighted the role of GDI and GSI towards well-being and prosperity of people across the globe. The President, Islamabad Policy Research Institute, Amb. Dr. Raza Muhammad presented the introductory note and the keynote address was presented by the Member of

the Senate & Chairman, Senate Standing Committee on Defence, Government of Pakistan, Mr. Mushahid Hussain Syed. A part of the Dialogue, a meeting on mutual corporations was also held between the officials of Turkey and Shanghai Cooperation Organization (SCO).

Sports Week Spring 2022

CUI celebrated Sports Week from June 15- 17, 2022. The aim of the event was to groom the physical and mental health of the students. Cricket, Football, Volleyball and other indoor sports competitions were organized between different departments. Students actively participated in the sports events. The chief guest of the closing ceremony, Director Campus, Prof. Dr. Muhammad Abid, T. I., encouraged the students on their active participation and awarded trophies to the winning teams.



Seminar on Shear Strength of High Performance Concrete

The Department of Civil Engineering organized a CPD seminar on "Shear Strength of High Performance Concrete", on May 18, 2022. The Director Campus along with HoD Civil Engineering, CUI Wah Campus welcomed the guest speaker, Engr. Prof. Dr. Attaullah Shah, Vice Chancellor Karakorum International University (KIU), Gilgit, an expert in the area of academic leadership, financial



management and resource mobilization. Dr. Shah is the author of more than 100 publications and author of six books in the areas of Engineering Eco, High Strength Concrete, Disaster Management, and Construction Project Management. The Director Campus, Prof. Dr. Muhammad Abid, T.I., in his welcome note shared his vision of future avenues of mutual collaboration in providing quality education and research in the field of engineering.



Tree Plantation Drive Spring - 2022

The Tree Plantation Drive at COMSATS University Islamabad, Wah Campus was started and inaugurated by the Member of the Provincial Assembly Punjab (MPA), Malik Taimoor Masood Akbar on February 4, 2022. He planted a tree opposite to the Mechanical Block. On the behalf of Director Campus, Prof. Dr. Muhammad Abid, T.I., Sr. Manager Student Affairs Dr. Akmal Javaid planted a tree for heightening campus plantation drive. This event was organized by the Services Section under the supervision of Manager Services, Dr. Muhammad Nawaz. The Heads of Department, Section heads and staff members participated in the drive and planted trees.

Seminar on Engineering Entrepreneurship

Institute of Civil Engineers (ICE) UK student chapter at CUI Wah Campus, on behalf of Department of Civil Engineering, organized a seminar on Engineering Entrepreneurship on January 04, 2022.

Engr. Maqsood Ali Kamboh, CEO/President TSI Engineering Inc, California, USA was the guest speaker. Engr. Maqsood was warmly welcomed by the Director Campus, Prof. Dr. Abid and Head Civil Engineering Department, Prof. Dr. Saeed Ahmad. In his talk, Engr. Maqsood emphasized on the importance of doing own business instead of looking for jobs. Students of civil engineering department and Management Sciences department attended the seminar.



Responsible Consumption and Production" is the 12th goal among the Sustainable Development Goals (SDGs) established by the United Nations. SDG 12 aims to ensure sustainable consumption and production patterns. It addresses the need to do more with less and promotes the efficient use of resources while minimizing adverse environmental impacts throughout the life cycle of goods and services.

Digital Logic Design-based Semester Project

The purpose of a Digital Logic and Designed base semester project in the Computer Science department at COMSATS University Islamabad, Vehari is to provide students familiar with basic logic gates and their functions. In this event students of applied physics made projects related to multiple problems. The project were made using transistors, diodes, leds, sensors, and capacitors etc. Titles of the some of the good projects were Water level indicators, Heat sensor, Automatic Street Lights, Fire

Alarm Circuit, and Automatic Door Opening Circuits etc. The event was organized in DLD Lab of Computer Science Department on 12-January-2022



Contribution towards SDG-12: Responsible Consumption and production

COMSATS University, involves a combination of awareness campaigns, educational initiatives, and practical measures. Here are some potential activities that the university undertook to promote responsible consumption and production:

Awareness Campaigns:

CUI organized workshops, seminars, and awareness campaigns to educate students, faculty, and staff about the principles of responsible consumption and production.

By using various communication channels, including social media, posters, and newsletters, CUI shared information on sustainable practices, waste reduction, and resource efficiency.

Curriculum Integration:

Sustainability and responsible consumption topics are integrated into the university curriculum, across various disciplines, to ensure that students are exposed to these concepts in their academic studies.

Waste Management Initiatives:

COMSATS University Implements and promotes effective waste separation and recycling programs on campus. CUI encourages the reduction of single-use plastics and provide alternatives such as reusable water bottles and containers at all campuses. The CUI has set up for recycling bins across the campus and the service section raises awareness about the importance of waste reduction and proper disposal. COMSATS University Islamabad actively discourages the use of plastic within its premises. The university promotes environmentally friendly practices and encourages the reduction of plastic waste. The Cafeteria at COMSATS University Islamabad follows a sustainable approach by serving food in washable crockery. The use of disposable plates and glasses is not permitted, promoting environmental consciousness and reducing waste.

Green Campus Initiatives:

COMSATS University Implements energy-efficient practices, such as using renewable energy sources, and promoting energy conservation. The CUI management developed and maintained green spaces on each campus to enhance biodiversity and create a sustainable environment.

Partnerships and Collaborations:

CUI Collaborates with local businesses and organizations that follow sustainable practices to create partnerships that support responsible consumption and production. The University engages with industry experts through seminars or guest lectures to provide insights into sustainable business practices.

Career Fairs, where the potential employers meet with the students, provide best opportunity for both stakeholders to find the best for themselves, almost every year, a vibrant Career Fair is held at CUI campuses where students meet with the employers of their dream jobs and employers found the best human resource for their organizations thus creating a win-win relationship resulting into a prosperous, healthier communities.

Student Involvement:

CUI has established student-led sustainability clubs or societies to drive initiatives related to responsible consumption and production. These societies organize competitions or events that challenge students to come up with innovative ideas for sustainable solutions.

Seminar on Role of Engineers in HVACR Industry

The ASHRAE Student Branch Chapter, CUI Wah of Mechanical Engineering Department on December 23rd 2021 arranged a seminar on “Role of Engineers in HVACR Industry”. The seminar was delivered by Engineer Muhammad Riaz Baig. The seminar aims to provide a study on the importance of De Carbonized with Zero Energy environment in Buildings, Sustainability, Carbon Footprints, Green Buildings and adaptation of Leadership in Energy and Environment Design (LEED) standards. The speaker discussed the VRF (Variable Refrigerant Flow) System, which is placed on the backside of the New City Arcade shopping mall architecture facilities. The students from departments of Mechanical, Civil and Electrical engineering attended the seminar. At the end students had a very fruitful interactive question answer session with the speaker. Students acknowledged the emergence of multidisciplinary streams and the importance of Heating, Cooling and Refrigeration Systems in the field of Mechanical Engineering.

CELEBRATION OF WORLD WATER DAY

UNESCO Chair on Knowledge Systems for Integrated Water Resource Management (IWRM) at CUI Wah celebrated World Water Day on March 31, 2022 at COMSATS University Islamabad, Wah Campus and organized a Seminar titled “Monitoring Climate Extreme Events through Remote Sensing and Modelling” followed by a Poster Competition with this year theme "Groundwater: Making the invisible visible".

The resource person Dr. Mukhtar Ahmed, from Department of Agronomy, PMAS, Pakistan enlightened the participants about the impact of extreme climate events (ECE) on the agricultural sector of Pakistan using remote sensing techniques to predict scenarios to explore possible options to mitigate the effect of ECE and to achieve sustainable development goals.



Dr. Ghulam Abbas, Associate Professor, Department of Environmental sciences, Vehari campus participated in the Asia-Pacific Network for Global Change Research, Japan (APN) Proposal Development Training Workshop held in Colombo, Sri Lanka from November 29 to December 01, 2022. The activity enhanced the capacity of early-career scientists and practitioners in South Asia to develop competitive research proposals for funding. Additionally, the workshop provided a platform for strengthening the network of South Asian researchers and practitioners and provided opportunities for future collaboration in regional research activities of common interest in the region.

Research highlights at CUI Vehari Campus

During year 2022-2023 Department of Environmental Sciences faculty published 104 research papers in well reputed peer reviewed journals with cumulative impact factor of 316 and 230 citations. Faculty also wrote book chapters in eight books published by renowned publishers.

| Year | Total publications | Impact Factor | Citation | Category |
|-----------|--------------------|---------------|----------|-----------------|
| 2022-2023 | 104 | 316 | 230 | W=76, X=25, Y=3 |



Addressing climate change involves reducing greenhouse gas emissions, transitioning to sustainable energy sources, and adapting to the impacts that are already occurring. The Paris Agreement, adopted in 2015, is a significant international accord that falls under SDG 13. It aims to limit global warming to well below 2 degrees Celsius above pre-industrial levels, with efforts to limit the increase to 1.5 degrees Celsius.

Governments, businesses, communities, and individuals all play a crucial role in achieving SDG 13 by taking concrete actions to reduce their carbon footprint, enhance climate resilience, and contribute to a sustainable and low-carbon future. This may involve changes in energy production and consumption, land use practices, transportation, and the promotion of sustainable technologies and practices.

COMSATS University Islamabad takes all measures to address this goal and publishes a sustainability report on an annual basis. This report provides an overview of the university's efforts and initiatives towards sustainability, including environmental conservation, social responsibility, and economic impact. It serves as a transparent account of the university's progress and commitment to sustainable practices.

COMSATS University Islamabad conducts awareness-raising programs, hands-on training, and capacity-building activities from time to time. These activities are likely aimed at enhancing knowledge, skills, and awareness among individuals associated with the university about the Sustainable development goal Climate Action.

COMSATS University Islamabad measures the amount of low carbon used across the university. This suggests that the university has a system in place to track and monitor its energy consumption with a focus on reducing carbon emissions.

Gender and Climate Awards - Promoting the inclusion and leadership of women in climate action (November 1st, 2022)

International Training Workshop on Beidou Technologies and its applications in the Belt and Road Counties and Regions (19-20 September 2022) CUI organized a talk titled “Monitoring Drought in Pakistan: Teleconnections and Uncertainties in Changing Climate” in virtual capacity building workshop on Establishment of ECO-SDI to Combat the Challenge of Food Security in the ECO region, jointly organized by the Survey of Pakistan and Geological Survey of Pakistan in collaboration with Economic Cooperation Organization (ECO) on 5-7 July, 2022 at Survey Training Institute (STI), Islamabad.

7th International Water Conference 2022

7th International Water Conference 2022, held at PCRWR, on 29-30 December 2022 (Co-hosted by CCRD). The summary of the talk is as follows:

Essentially all the recent published works and reports related to

state of climate of Pakistan are indicative of the fact that the climate of Pakistan is changing its manifestations including the more frequent occurrence of extreme weather events, resulting in heat waves and floods. This tendency is witnessed in Summers of 2019 and 2022 in



Pakistan, as well as globally too. The current rate of warming in Pakistan is about 0.34 degree Celsius per decade, when averaged over recent 30 to 35 years. This means that starting from year 2000, by 2030, a more than 1.0 degree Celsius warming is predicted. By same reasoning, a 3.5 to 4.0 degree Celsius warming is predicted by 2099. This clearly indicates an overshoot of temperature limits (relative to 1.5 to 2.0 degree Celsius), as suggested in Paris agreement at COP 21.

CCIB Workshop on Bioenergy for Carbon Neutrality

COMSATS Joint Centre for Industrial Biotechnology (CCIB) holds workshop to discuss prospects of utilizing bioenergy as an alternative energy resource.

COMSATS Joint Centre for Industrial Biotechnology (CCIB) organized an online workshop on 'Bioenergy: A Road to Carbon Peaking and Carbon Neutrality' under its Joint R&D Group on Bioenergy. Held on 14th June 2022, the Workshop was aimed at

encouraging meaningful dialogue between scientists and exploring potential cooperation for joint R & D to meet industrial needs. Over a 100 scientists and researchers from



China, Egypt, Iran, Jordan, Pakistan, Tanzania, Thailand, and Türkiye participated in the Workshop.

Seminar on "Climate Change: Act Now" took place at the Video Conference Hall, Junaid Zaidi Library, COMSATS University Islamabad, on December 6, 2022. The event was organized by Dr. Jabir Hussain Syed, Tenured Associate Professor, from the Department of Meteorology at COMSATS University Islamabad (CUI), Islamabad Campus.

Air-Quality Monitoring System at COMSATS University Islamabad:

An ambient air-quality monitoring system, HAZ-SCANNER, has been acquired by Dr. Kalim Ullah, Chairman Department of Meteorology, through the NRPU HEC project. Data for student research work is collected using the HAZ-Scanner (HIM 6000), a real-time air quality monitoring station that measures trace-level gases, particulate matter, and atmospheric characteristics according to the guidelines of the European Union (EU) and the United States Environmental Protection Agency (US EPA). The HAZ-SCANNER system collects data on a minute-by-minute basis, providing a high-resolution perspective of temporal changes in pollutant levels.

This air-quality monitoring system directly supports SDGs by enhancing quality education. By incorporating this technology into student research, it provides hands-on experience and practical understanding of environmental challenges. Real-time monitoring empowers students to analyze air quality data, promoting informed, environmentally conscious individuals. This aligns with SDG4's goal of promoting education that addresses sustainability issues. Ultimately, integrating HAZ-SCANNER contributes to building a more environmentally aware society, aligning with broader global sustainability goals.

Sustainable Development Goal 14 (SDG 14) is one of the 17 global goals set by the United Nations as part of the 2030 Agenda for Sustainable Development. SDG 14 is focused on "Life Below Water" and aims to conserve and sustainably use the oceans, seas, and marine resources for sustainable development. The goal recognizes the critical role that oceans play in supporting

life on Earth and emphasizes the need to address various challenges related to marine ecosystems.

Contribution towards SDG-14: Life Below Water

COMSATS University Islamabad offers educational programs on freshwater ecosystems for local or national communities. These programs are likely designed to provide knowledge and awareness about the importance of freshwater ecosystems and their conservation. The university's initiative in offering such educational programs demonstrates its commitment to environmental education and community engagement.

COMSATS University Islamabad's environmental science department is actively involved in conducting educational outreach activities for local communities. Raising awareness about issues like overfishing, illegal, unreported, and unregulated fishing, as well as destructive fishing practices, is essential for promoting sustainable fishing practices and conserving marine ecosystems. Educational outreach activities can play a crucial role in engaging and empowering community members to become actively involved in addressing these environmental challenges.

COMSATS University Islamabad in collaboration with UNESCO, established a water chair at the university. The UNESCO Chair aims to enhance knowledge and understanding of integrated water resource management and foster cooperation among stakeholders in Pakistan. Through various awareness talks and events, the collaboration between Comsats University Islamabad and the UNESCO Chair seeks to educate students, faculty, and the wider community about the importance of sustainable water management and the need to adhere to the policies set by the government. By following the Water Policy 2018 and actively engaging with the UNESCO Chair, Comsats University Islamabad contributes to the national goal of ensuring water security and sustainable development in Pakistan.

PhD in Environmental Sciences and BS Agriculture Program at

CUI Vehari campus

PhD in Environmental Sciences, after NOC by HEC, will be offered from Spring 2023 semester and BS Agriculture has been approved by Academic Council.

Faculty Distinction Dr. Zia-Ul-Haq Khan, Assistant Professor, Department of Environmental Sciences has been awarded with Dr. Atta-Ur-Rehman Gold Medal (2022) by Pakistan Academy of Sciences for his wonderful achievements in the field of Chemistry for Scientists under 40 years age.

19th International Conference on Frontiers of Information Technology

19th International Conference on Frontiers of Information Technology held on December 12-13, 2022 at COMSTECH Secretariat, Islamabad, Pakistan under the umbrella of UNESCO Water Chair on Knowledge Systems for Integrated Water Resources Management (IWRM).

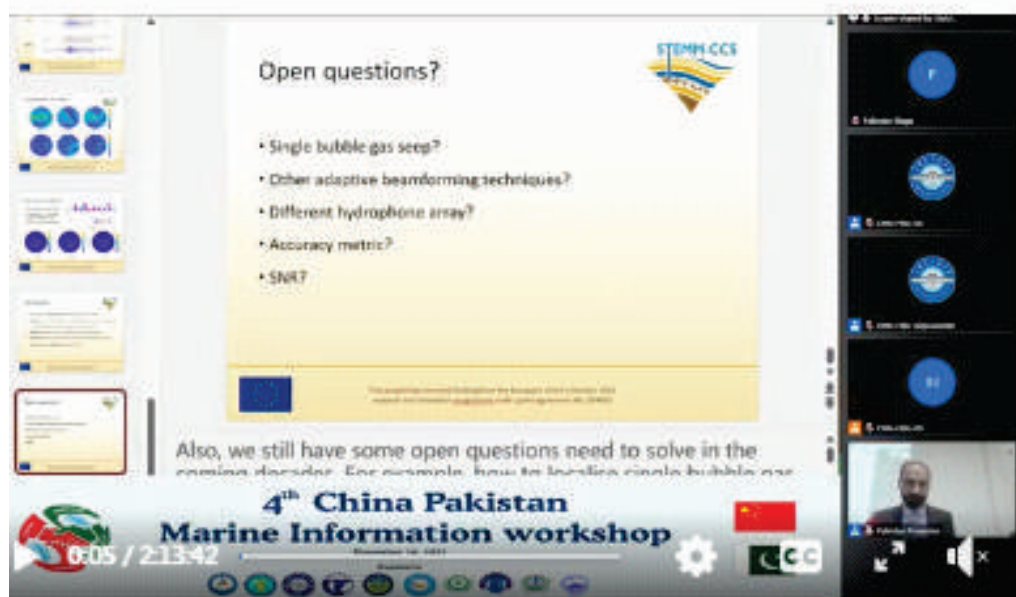
A two-day 19th International Conference on 'Frontiers of Information Technology' (FIT-2022), organized by COMSATS University Islamabad (CUI) started on Monday, December 12, 2022 at COMSTECH Secretariat, Islamabad. Minister, Planning and Development and Special Initiatives, Mr. Ahsan Iqbal Chaudhary and Executive Director COMSATS, Ambassador Dr. Mohammed Nafees Zakaria graced the occasion and inaugurated the COMSATS University Islamabad's 19th International Conference on Frontiers of Information Technology on Monday.

The 4th China Pakistan Marine Information Workshop (CPMI-2022)

The 4th China Pakistan Marine Information (CPMI-2022) was held in CUI Wah campus, on November 16, 2022 and was jointly organized by academic and research institutions from China and Pakistan; including COMSATS University Islamabad, FAST,

Pakistan Science Foundation, Pakistan Scientific & Technological Information Center, National Institute of Oceanography (Pakistan Partners), and Harbin Engineering University, China Association of Science & Technology, Chinese Society of Naval Architecture, and Heilongjiang Science and Technology Association (Chinese Partners). This was the fourth workshop of this series as part of the One Belt One Road initiative under China Pakistan Economic Corridor (CPEC) with this year's theme "Smart Ocean Informatics" with oral and poster presentations. The worthy Rector CUI, Prof. Dr. Muhammad T. Afzal was the chief guest. On behalf of Chairman, Pakistan Science Foundation (PSF), Dr. Miskatullah graced the opening ceremony as guests of honor.

China Pakistan Marine Information



Achieving these targets under SDG 15 is crucial for ensuring the health and sustainability of terrestrial ecosystems, protecting biodiversity, and promoting the well-being of present and future generations. It involves a collective effort from governments, businesses, communities, and individuals worldwide to address the complex challenges associated with land use and conservation.

Contribution towards SDG-15: Life on Land

Comsats University Islamabad, as an educational institution, may have initiatives and programs aimed at maintaining and extending existing ecosystems and their biodiversity. These efforts could include research, conservation projects, and educational campaigns focused on protecting threatened ecosystems and the plants and animals within them. COMSATS University Islamabad is working with local communities on the conservation of Ecosystems. CUI offers programs on flora and fauna like Fundamentals of Biology, Landscape Design, and natural resource management.

COMSATS University Islamabad offers programs related to the management of land for agriculture. These programs include disciplines such as soil science, environmental geology, soil and water conservation, and natural resource management. These fields of study focus on understanding and implementing sustainable practices for land use, soil health, water conservation, and the management of natural resources in agricultural settings. Additionally, COMSATS University Islamabad also provides consultancy services to the local farmers on postharvest of vegetables. This involves offering expertise and guidance on techniques and technologies to ensure the proper handling, storage, and preservation of vegetables after they have been harvested.

COMSATS University Islamabad offers programs focused on the conservation and restoration of land. These programs include disciplines such as soil and water conservation and natural resource management. These fields of study aim to develop strategies and techniques for the sustainable use and management of land resources, including soil and water, to prevent degradation and promote conservation.

World Environmental Day organized by Department of Environmental Sciences

Department of Environmental Sciences COMSATS University Abbottabad Campus organized a one-day event on world

environmental day. This day is specially celebrated to aware the people of environmental issues and this event. Environmental protection society Department of Environmental Sciences and collaboration with WASSA and WWF jointly organized the event mainly lead by the chairman Prof. Dr. Irshad, HoD, Dr. Faridullah and also convene with Dr. Malik Tahir Hayat, and advertising committee Dr. Shumaila, DOO Environmental Sciences Dr. Awais Arfeen, and their team. At this event, they invite some students from City School. They performed different activates about environmental issues. A quiz competition was also taken.

COMSATS University, Abbottabad Campus sign MoU with Water and Sanitation Services Company, Abbottabad (WSSCA) on Friday, July 29, 2022

At Department of Environmental Sciences COMSATS University Islamabad (CUI) – Abbottabad Campus a working Memorandum of Understanding (MoU) has been signed with Water and Sanitation Services Company, Abbottabad (WSSCA). The signing ceremony was held in CUI-Abbottabad campus on 29.07.2022 (Friday) in the Conference room of Admin Block from 11:00 am to 12:00 pm. CUI-Abbottabad campus-director Prof. Dr. Muhammad Maroof Shah and Chief Executive Officer (CEO) WSSCA-Abbottabad signed the document as the representatives of contributing organizations.

Maritime Security Workshop (MARSEW-5)

The Director Campus attended the fifth edition of Maritime Security workshop from December 7 – 10, 2022 at Pakistan Naval War College Lahore. This year the theme of the workshop was “Secure Seas – Prosperous Pakistan”. The workshop was divided into two phases. In the first phase of MARSEW-5 involved discussion on various maritime and maritime security related topics, in the second phase the field trip of Pakistan Navel's operational commands and coastal facilities of Creeks Area at Karachi was witnessed.



The Training Workshop on “Geospatial Techniques for Hydrological Resources” was organized by the Department of Meteorology, CUI, Islamabad, on June 22, 2022.

The Training Workshop on Geospatial Techniques for Hydrological Resources was an excellent educational experience that contributed to Pakistan's progress toward SDG 15. The training was conducted and organized by Mr. Irfan Mahmood, Research Assistant, Dr. Farooq Iqbal, Assistant Professor and Dr M Imran Shahzad, Tenured Associate Professor and Head Department of Meteorology. The program helped to strengthen participant's capacity to address difficult water management concerns and promote sustainable development by providing them with knowledge and skills in GIS approaches for hydrological resources.

COMSATS University Islamabad (CUI) actively participates in various local, regional, and national level committees and task forces. This includes attending meetings such as the National Assembly Standing Committee on Science & Technology, the Senate Standing Committee on Science & Technology, and the Standing Committee on Cabinet Secretariat. CUI provides advice and contributes to discussions in these forums. CUI letters regarding actionable points from the Senate Standing Committee on S&T meeting, comments from CPS on the Draft National Science, Technology & Innovation Policy, and the

Resource Enhancement Framework for Public Sector Universities.

Contribution towards SDG-16: Peace, Justice and Strong Institutions

The Centre of Policy Studies at COMSATS University Islamabad conducts research on a wide range of policy areas, including economic growth, trade, employment, income distribution, energy, environment, and social policy. It uses advanced economic modeling techniques to analyze the impacts of policy changes, assess their effectiveness, and identify potential risks and trade-offs.

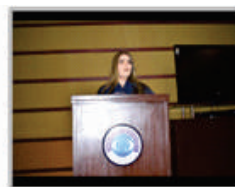
The Centre of Policy Studies also actively engages with key stakeholders, such as other academic institutions, industry organizations, and international organizations, to promote knowledge exchange and enhance the impact of its research. It regularly publishes research papers, reports, and policy briefs to disseminate its findings and recommendations.

The Centre for Policy Studies (CPS) is focused on facilitating collaboration and knowledge exchange between academia, research, and public policy-making. To effectively achieve this objective, the CPS brings together a diverse team comprising of academicians, scholarly researchers, and policy practitioners.

CPS Seminar on “Pakistan's being on the Cusp of South Asia, Central Asia and Middle East: Pearl, Perils and Pitfalls; crisis and Opportunities”

CPS, COMSATS University Islamabad organized a seminar on June 28th, 2022, titled “Pakistan's being on the Cusp of South Asia, Central Asia and Middle East: Pearl, Perils and Pitfalls; crisis and Opportunities.” Head CPS Dr. Ghulam Shabbir, in his opening remarks said that Pakistan being the fulcrum of three grand regions has a wide potentials of integrating socio-economic and cultural strengths of these belts, yet as a community we are like

those who forget way amidst shifting sand dunes of the desert. Former Naval Chief, Admiral (R) Zafar Mahmood Abbasi said Pakistan has become like a ship adrift amidst the stormy waves of sea. We must resurrect the vision of Iqbal and Jinnah to set the dimension afresh. Senior seasoned politician Syeda Abida Hussain said we have achieved several milestones, yet we need scientific and technological education more advanced and equal to the needs of the time. She said socio-economic disparities and class system is a great hurdle in the way of our progress and prosperity. Head CPS in his closing remarks said the major strength of communities lies in common aspirations, history and cultural values. The geography of Arabian Peninsula was such a valueless entity that the Persia and Byzantine never bothered to conquer them, but when they were united on the ideology of Islam within thirty years of their splendid career, they destroyed the corrupt socio-economic structure of both empires and assumed the wheel of history. Geographies are peaceful abodes of communities, but the recurrent pattern of history suggests when communities forget their history and ideology, their geographies forget them.



“Jinnah: The Modifier of World Map and History, the Creator of Islamic State”

CPS, CUI held a seminar titled “Jinnah: The Modifier of World Map and History, the Creator of Islamic State” on December 27th, 2022. Head CPS Dr. Ghulam Shabbir said that creation of Pakistan was the second foremost achievement of Muslims in Islam's 14 centuries career after the establishment of an Islamic state of Madina. Iqbal dreamt Pakistan for the realization of Islam's socio-political and economic ideals which Arab imperialism had forestalled. Though astonishingly swift conquests of early Islam expanded the political domain of Islam, still it was on the cost of democratization and economic organization of the community.

He said the creation of Pakistan suits to both Muslims and Hindus. Whereas Muslims would be able to remove the stamp of Arab imperialism from the Islam this very land would serve as a steel frame against any aggression from the North West corridor for India's defense. Iqbal single handedly reoriented the apologetic, West-ridden, porcupine posture or at best serving the history of others attitude of Ali-Garh Movement and All India Muslim League with such a vigor and fervor that Islam became a rallying cry of Indian Muslims. His was a genuine restatement of Islam derived from the Quran and Sunna, Sufi metaphysics of Ghazali, Ibn Taimiyya, Sheikh Sirhindi and Shah Wali Allah.

